SOUTH AFRICAN BUREAU OF STANDARDS

STANDARDS CATALOGUE 2013

SOUTH AFRICAN NATIONAL STANDARDS AND RELATED PUBLICATIONS

COMPLETE TO 2013-\$' !&\$

(Available on CD-ROM at R 120,00 excluding VAT) (Also available for free downloading at www.sabs.co.za/index.php?page=standardsmisc)

Published by SABS Standards Division 1 Dr Lategan Road Groenkloof S Private Bag X191 Pretoria 0001 Tel: +27 12 428 7911 Fax: +27 12 344 1568 www.sabs.co.za ©SABS



This publication replaces the Standards Catalogue of February 2013.

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George Pauer Electronic Publishing Officer Standards Sales and Promotions Private Bag X191 Pretoria 0001

Fax: +27 12 428-6066 Tel.: +27 12 428-6128 Email: <u>george.pauer@sabs.co.za</u>

The Standards Division reserves the right to have SABS auditors verify compliance with SABS copyright rules. Persons, companies or organizations that violate SABS copyright may be subject to prosecution.



Dear Reader,

All our national standards have been redesignated as SANS (South African National) standards, as opposed to SABS standards. While this has necessitated some numbering changes of existing standards, the change is a necessary one, and any inconvenience to users has, we hope, been kept to a minimum. The new numbering system will also be much simpler and clearer than before. Old standards' numbers will not fall away immediately, but will run in parallel with the new numbering system for at least 5 years during which time both sets of designations will be legally valid.

The 2013 edition of the Catalogue therefore still contains references to both SANS and SABS numbers.

The physical renumbering and changing of the "look and feel" of around 7 FH€ standards is a mammoth task. For some time, therefore, it will be necessary for us to continue to deliver standards to you that bear the SABS numbers and that include references to SABS-numbered standards. Please rest assured that these standards are just as valid as the newer, SANS-numbered standards that will eventually take their place over the next few years.

A full list of the numbering changes has been published as Government Notice No. 1373, in Government Gazette No. 24002 of 8 November 2002, and is available for consultation at our offices.

Catalogue 2013

Contents	Page
Foreword	2
How to use the Catalogue	2
Numerical list of standards	2
How to order	4
Standards Information	6
The South African Bureau of Standards in brief	7
The offices of the South African Bureau of Standards	8
South African national and related standards described	9
SANS standards	
Numerical list of standards (white pages) NUM	
Subject structure (yellow pages) ICS-	

REL-1

WD-1

I-1

STANDARDS CATALOGUE 2013 ISBN 978-0-626-283++-3 © SABS Standards Division Printed in South Africa

Related standards (white pages)

Withdrawn standards (blue pages)

Alphabetical index (green pages)

Foreword

This Catalogue lists, in numerical order, all standards and related publications approved by the Standards Approvals Committee of SABS Standards or published by the Standards Division of the SABS. Notice is given in the *Government Gazette* of the approval of new standards and of changes to existing standards.

To assist in updating the Catalogue, information on new, amended, withdrawn or reaffirmed standards and on related publications is also published as the *SABS Standards Bulletin* which is issued monthly on the Standards website at www.sabs.co.za/index.php?page=standardsbulletin.

The hard copy version of the Catalogue as well as the CD-ROM version is published quarterly. An abridged version of the Catalogue, which is updated every month, is available on the Standards website at www.sabs.co.za/index.php?page=standardsmisc.

How to use the Catalogue

Numerical list of standards

This is the principal section of the Catalogue containing the following information for each publication:

- Standard number in the format of New designation (Old designation)
- Year of publication
- Date reaffirmed
- Title
- Edition number
- Page format
- Price group
- Harmonization
- ICS number
- Abstract
- Amendments

The example shows the type of information available.

	STANDARD DESIGNATION (INCLUDING IDENTICAL INTERNATIONAL REFERENCE)			ENCE)	
		YEAR OF PUBLICATIO	N		
		DATE RE	AFFIRMED		
			DOCUMENT FOR	RMAT/NUMBER OF PAG	ES/LANGUAGE
		/			
SABS NUMBER	SANS 105-B02:1994	l / ISO 105-B02:1994 (2	004-04-30)		
	(SABS ISO 105-B02)	:1994)			
	Textiles - Tests for o	colour fastness Part B	02: Colour fastness to	artificial light	
EDITION NUMBER	Ed 1.00	A4 20p EN		Gr 10 <	PRICE GROUP
		PDF 20p EN			
	ISO 105-B02:1994, I	DT		59.080.01	ICS NUMBER
	Specifics a method f	or dotormining the reais	toppo of the colour of to	wtilog of all kinds and in	
ADSTRACT	all forms to the action	of an artificial light sou	rce representative of na	tural davlight (D65) The	
	method is also applic	able to white (bleached	or optically brightened)	textiles.	
	Am 1 (International)	1000 08 04	Am 2 (International) 2	001 10 07	
	Am T (International),	1999-08-04	Am 2 (International), 2	001-12-07	

STANDARDS CATALOGUE 2013

Standard number

Gives the alphanumeric reference number of the standard which consists of a prefix (as given below) and the number that has been allocated to the specific publication. Standards are listed in the following order:

SANS	South African National Standard
ARP	Recommended practice
NRS	Rationalized user specification
CKS	Co-ordinating specification
VC	Compulsory specification (technical regulation)
PIESA	Power Institute of East and Southern Africa

Year of publication

Gives the year in which the standard has been issued. In some cases of adoptions of international or other foreign standards, the year of issue of the source document is given.

In the case of some consolidated standards the date of the latest amendment is allocated to the standard.

Date reaffirmed

Gives the date on which the standard has been reaffirmed.

Title

Gives the title of the standard.

Edition number

Indicates the edition of the standard. In the case of consolidated editions, the number of amendments to the base document is indicated by a decimal figure after the edition number, e.g. ed. 1.2 means the first edition has two incorporated amendments.

Page format, number of pages, language

Gives the format, number of pages and language in which a publication has been published. All SANS standards are published in English, and certain standards are also available in Afrikaans.

Price group

Gives the price code of each standard. Details of price codes are given in the section *How to place your order*.

Harmonization

Gives the reference number, year of issue and relationship to a corresponding international, regional or other foreign national standard. The relationship is indicated as follows:

Relationship	Meaning
idt	A Standards Division publication
(identical)	equivalent to the international standard
	in technical content, structure and
	wording.
mod	A Standards Division publication is
(modified)	modified in relation to the international
	standard if technical deviations are
	clearly identified and explained.
neq	A Standards Division publication
(not	related to or based on the international
equivalent)	standard, but not equivalent in
	technical content and structure.
	Changes have not been clearly
	identified.

ICS number

Lists the publications according to their ICS (International Classification for Standards) number. The ICS system groups publications by subject matter.

Abstract

Gives an abstract of the contents of the publication.

Amendments

Lists the amendments (and the date of approval of each amendment) that have been issued since publication of the standard.

Chronological numbering of collective amendments is not linked to the specific standard but to the numbering of the collective groups of standards they refer to.

Subject structure

The *Subject structure* (yellow pages) is a hierarchical classification which consists of three levels. Level 1 covers broad fields of activity in standardization. Each field (printed in upper-case characters) contains a two-digit notation, e.g.

11 HEALTH CARE TECHNOLOGY

The fields are subdivided into groups (level 2). The notation for a group consists of the field notation and a three-digit group number separated by a point, e.g.

11.040 Medical equipment

A number of groups are further divided into sub-groups (level 3). The notation of a sub-group consists of the group notation and a two-digit number separated by a point, e.g.

11.40.30 Surgical instruments and materials

standards classified List of by subject

The List of standards classified by subject (pink pages) contains the following bibliographic information:

- ICS number and field description
- Standard number
- Year of publication _
- Title
- Page number referred to in Numerical list of standards

Related standards

The list of Related standards (grey pages) lists the international, regional and other foreign national standards with which SANS standards have been harmonized, in alphanumerical order. For each entry the corresponding SANS standard and the ICS subject classification, under which the standard can be found in the List of standards classified by subject, are given.

Withdrawn standards

The list of Withdrawn standards (blue pages) gives, for each entry, the date of withdrawal of the standard and, when relevant, the references to the standard(s) by which this standard had been replaced.

Alphabetical index

The Alphabetical index is presented in the green pages section of the Catalogue. Opposite each index entry is given the reference number of the standard(s), the page number on which each standard can be found in the Numerical list of standards, and the ICS subject classification under which each standard can be found in the List of standards classified by subject.

How to order

To purchase SANS standards, or other national or international standards, contact our Standards Sales office at the following address:

SABS Standards Division

Office address

1 Dr Lategan Road Groenkloof PRETORIA

Postal address		Private Bag X191 PRETORIA 0001
Telephone	National: International:	(012) 428-6883 + 27 12 428-6883
Fax	National: International:	(012) 428-6928 + 27 12 428-6928
Email		sales@sabs.co.za

sales@sabs.co.za

Webstore (online purchasing of SANS standards for immediate downloading or for hard copy despatch): www.sabs.co.za/index.php?page=standardspurchase.

Our Regional SABS offices also accept orders for all national standards.

Orders for International Standards should be placed at Standards Sales, Pretoria.

Group system for pricing

The Standards Division publications listed in this Catalogue are priced according to group numbers. Prices are subject to alteration without notice.

The following list gives the selling price for each group, excluding VAT.

Group 1	R22,00
Group 2	R32,00
Group 3	R47,00
Group 4	R57,00
Group 5	R72,00
Group 6	R90,00
Group 7	R111,00
Group 8	R129,00
Group 9	R147,00
Group 10	R175,00
Group 11	R213,00
Group 12	R240,00
Group 13	R266,00
Group 14	R297,00
Group 15	R329,00
Group 16	R356,00
Group 17	R386,00
Group 18	R407,00
Group 19	R428,00
Group 20	R447,00
Group 21	R468,00
Group 22	R525,00
Group 23	R591,00
Group 24	R662,00
Group 25	R737,00
Group 26	R796,00

Discount: Students and educational bodies are offered a 50% discount on publications required for educational purposes. Students' orders must be accompanied by evidence of registration for 2013 at an educational establishment.

These prices do not include handling costs. Please note that:

In the Republic of South Africa:

- a) handling charges will be levied as follows:
 - Value R800,00 and less R80,00 + VAT
 - Value R801,00 and more 10% + VAT;
- b) speed service (priority mail): price on enquiry;

c) delivery by courier must be arranged personally by the purchaser.

For foreign countries:

handling costs will be levied on all consignments in accordance with Post Office tariffs or courier costs.

Notification services

SABS Standards Division offers two standards notification services. The client's private collection of South African national standards can be kept current by subscription to the **SANS Notification Service.** The client's private collection of international and foreign national standards can be kept current by subscribing to the Standards Information Centre's Private List Updating Service, **INFOPLUS**. Contact details for these services follow under the sections *Standards Sales* and *Standards Information*.

Standards in electronic format

Apart from paper standards, the Standards Division has the following products and services with regard to standards in electronic format (eStandards). Price is determined according to the enhancements added, as well as the number of standards and users.

1. Webstore

Online purchasing of SANS standards for immediate downloading or for hard copy despatch: www.sabs.co.za/index.php?page=standardspurchase.

2. eStandards via email

Electronic standards (in PDF) are sent to customers in South Africa and overseas via email. These standards are available for use on one computer only and only one printout is permitted. On receipt of payment we will forward the standard(s) to you. Electronic standards are priced slightly higher due to handling costs.

3. Preselected CD-ROM products

CD-ROM products of popular standards or series of standards. Examples include:

- SANS 1186: Symbolic safety signs Parts 1 to 5.
- SANS 1200 set (Standardized Specification for Civil Engineering Construction) and SANS 2001 set (Construction Works).
- SANS 9001, Quality management systems Requirements.
- SANS 10120 (set): Code of practice for use with standardized specifications for civil engineering and contract document.
- SANS 10142, The wiring of premises Part 1: Lowvoltage installations.
- SANS 10142, The wiring of premises Part 2: Medium-voltage installations above 1 kV a.c. not exceeding 22 kV a.c. and up to and including 3 000 kW installed capacity.
- SANS 10228, The identification and classification of dangerous goods for transport.
- SANS 10400, The application of the National Building Regulations.
- SANS 14001, Environmental management systems Requirements with guidance for use.
- SANS 16001, HIV and AIDS management systems General requirements.
- SANS 19011, Guidelines for quality and/or environmental management systems auditing.
- Collection of Automotive Standards (Full Collection).
- Collection of Dangerous Goods Standards.
- Collection of Mandatory Standards for Vehicle Test Stations.
- Collection of standards on Gaming Equipment (SANS 1718 series).
- Collection of standards relating to Lifts, Escalators and Passenger Conveyors.
- Electrical Installation Rules First and Second Papers.
- Specialized Electrical Installation Codes First and Second Papers.
- Standards Catalogue 2010.
- The SANS 9000 family of standards on Quality Management Systems.
- The SANS 14000 family of standards on Environmental Management Systems.
- The SANS 9000 and SANS 14000 families of standards on one CD-ROM.

4. Self-selected CD-ROM products

The Standards Division also provides a self-selected CD-ROM service to customers, which allows the customer to contact our Standards Sales office with his request, after which a price and date of completion will be supplied and work on the production of the CD-ROM will commence. In the case of single standards or collections without value-added features, the CD-ROM will be ready within a few days. CD-ROM collections with value-added features, however, will take longer.

5. CD-ROM updating service

Our updating service ensures that our customers have the latest and most current electronic standards.

STANDARDS CATALOGUE 2013

- a) Customers qualify for the updating service by paying an annual fee and will receive updated CD-ROMs in February, May, August and November (only if the standards on the CD-ROM have been revised, amended, replaced or withdrawn). A watermark is added to each file to highlight copyright and networking rules.
- b) The updating fees are valid for one year and are revised annually.

6. Subscription service (Complete Collection)

This service is useful for large companies requiring the complete collection of standards, with quarterly updates.

- a) An annually renewable agreement is drawn up and signed by both parties.
- b) Customers receive a flash drive containing the Complete Collection of standards. The collection is updated in February, May, August and November.
- c) An unlimited number of staff members of a company or organization will have concurrent viewing access to the standards.
- d) The company or organization may make any number of printouts of the standards, as long as the standards remain within the premises of the company/organization.

A subscription service to preselected and self-selected collections of standards, which includes quarterly updates, is also available.

7. Copyright exploitation agreements

Companies who wish to use extracts from SANS standards or refer to complete SANS standards in their documents or commercial products must contact the Standards Division. Individual cases are evaluated and, if applicable, an agreement stating the permission and determining royalty payments is drawn up.

Contact the George Pauer for further information (tel. +27 12 428-6128) or send email to <u>george.pauer@sabs.co.za</u>. Information can be obtained from the SABS website:

www.sabs.co.za/index.php?page=standardscopyright.

Standards Information

Standards issued by national and international standards organizations and by certain other standardizing bodies are held by the Standards Information Centre and are available for reference at the SABS head office, 1 Dr Lategan Road, Groenkloof, Pretoria.

Standards are not available on loan, but the Centre is pleased to deal with personal, telephonic, or email enquiries about the contents of available local and foreign standards and to provide lists of national standards on specific subjects. The Standards Information Centre has been appointed the national enquiry point in terms of the World Trade Organization Agreement on Technical Barriers to Trade, also referred to as the WTO/TBT Enquiry Point.

For information about standards and technical regulations worldwide, contact our Standards Information Centre at the following address:

Standards Information Centre

Office address	1 Dr Lategan Road Groenkloof PRETORIA
Postal address	Private Bag X191 PRETORIA 0001
Telephone	National: (012) 428-6666 International: + 27 12 428-6666
Fax	National: (012) 428-6928 International: + 27 12 428-6928
Email	info@sabs.co.za

South African cities where libraries hold complete sets of SABS Standards Division publications

Bloemfontein	Public Library; University of the Orange Free State Library
Cape Town	JW Jagger Library (University of Cape Town); South African Bureau of Standards; South African Library
Durban	South African Bureau of Standards; University of Natal Library
Germiston	Community Library
Johannesburg	Public Library; University of the Witwatersrand Library (Warten-weiler); SEIFSA
Pietermaritzburg	Natal Society Library
Port Elizabeth	South African Bureau of Standards; University of Port Elizabeth Library
Potchefstroom	Ferdinand Postma Library (University for CHE)
Pretoria	CSIR; Merensky Library (University of Pretoria); South African Bureau of Standards; National Library of South Africa

The South African Bureau of Standards in brief

The history of standardization in South Africa

While the concept of standardization may be an old one, the idea of the organized preparation of standards is comparatively new. Early in the present century the importance of standards had already been understood in overseas countries. In England, especially, industrial development had in many cases given rise to complicated conditions which could be controlled and simplified only by the introduction of standardization, and as a result, the British Engineering Standards Committee was established in 1901. This committee later became the British Engineering Standards Association and still later, the British Standards Institution.

In South Africa the first attempts at standardization can be traced to the last decade of the previous century with the development of the gold-mining industry and the importation of engineering and mining equipment. The diversity of types and sizes of the equipment, especially, created a need for standardization.

In an attempt to simplify its purchases, the Transvaal Chamber of Mines appointed a committee in 1905 to consider the standardization of machinery and other materials. This committee established eight subcommittees to deal with the following: pipes and fittings; shafting; mine materials; tracks and rails; mill materials; building and structural materials; weights and measures; and glass fittings and wire ropes. Little progress was made and the committee eventually ceased to function.

In June 1906, the Chemical, Metallurgical and Mining Society of South Africa appointed a committee to study the standardization of battery screening. In 1897, a committee of the same society had investigated the results of bullion assays obtained by South African and overseas assayers and, as an outcome of the investigations, a standard method of melting, sampling and assaying was arrived at and published.

In 1908, the President of the Transvaal Institute of Mechanical Engineers suggested to his council that a committee be formed to consider the testing of portland cement for which a specification had been issued in 1904 by the British Engineering Standards Association. The first meeting of the committee, then called the Committee for the Standardization of South African Materials, was held in August 1909. One of the principal objects was to consider how existing standard specifications for materials might be modified to suit the climatic conditions of South Africa, particularly with regard to portland cement, the manufacture of which was becoming an important South African industry.

In 1911, the name of this committee was changed to the South African Engineering Standards Committee and a few years later came the important decision to act as the South African branch of the British Engineering Standards Association. In 1934, the British Standards Institution approached its branches in the Dominions with a view to their becoming national bodies. The South African body, known as the South African Standards Institution, became the recognized standardizing body in this country. The institution's main object was the co-ordination of efforts of producers and users to improve and standardize engineering and industrial materials.

The South African Standards Institution, which, like its predecessor, was staffed by voluntary workers and subsisted on donations, at this time fully realized that the introduction of standardization into the rapidly developing industries of the country could be carried out efficiently only by a paid staff of technical men working on a full-time basis. What was needed was both an Act of Parliament and adequate financial support from the Government. Thus the Standards Act, 1945 (Act 24 of 1945), whereby the South African Bureau of Standards (SABS) was established, was passed by Parliament. This Act has seen a number of revisions and is currently effective as Act 29 of 1993, referred to by its short title as the Standards Act. In terms of the Act, the SABS is controlled by a Council appointed by the Minister of Trade and Industry and is known as the Council of the South African Bureau of Standards.

The objects of the South African Bureau of Standards

The objects of the South African Bureau of Standards are set out as follows in section 3 of the Standards Act, 1993 (Act 29 of 1993):

- To obtain membership of foreign or international bodies having any objectives similar to an objective of the SABS;
- b) to obtain the co-operation of State departments, local authorities, other public bodies, representatives of any branch of commerce and industry and other persons;
- c) to administer schemes with regard to accredited laboratories;
- d) to assess quality systems and to administer the certification by such systems thus assessed;
- e) to assess the competence of, and to accredit, quality practitioners;
- f) to test precision and measuring instruments, gauges and scientific apparatus in order to determine their accuracy, and to calibrate them;
- g) to examine, test or analyse articles, materials and substances;

STANDARDS CATALOGUE 2013

- h) to supply reference materials for specific purposes;
- to furnish reports and issue certificates in connection with examinations, tests, analyses, calibrations and assessments carried out by the SABS, subject to the conditions it may consider expedient;
- j) to supply information and guidance;
- k) to compile and issue recommended practices as a supplement to a relevant standard;
- to issue as a national standard a specification, code of practice or standard method, and to administer schemes based thereon;
- m) to control the use of distinctive marks, certification marks, marks of proof and marks of authenticity;
- n) to assist a person or State department in the preparation and framing of any document which embodies characteristics similar to those of a standard; and

 o) to perform, in so far as it is not repugnant to or inconsistent with the provisions of any Act of Parliament, such functions as the Minister may assign to the SABS so as to promote and maintain standardization and quality regarding commodities and the rendering of services.

SABS Standards Division's Vision and Mission Statements

VISION

To be a leading standardization body.

MISSION

To provide standards which improve the competitiveness of South Africa, and which provide the basis for consumer protection, health, safety and environmental issues.

The offices of the South African Bureau of Standards

City	Street address	Postal address	Tel. No.	Fax No.
Pretoria	1 Dr Lategan Rd	Private Bag X191	(012) 428-7911	(012) 344-1568
(Head Office)	Groenkloof	Pretoria		
		0001		
Bloemfontein	34 Victoria Rd	PO Box 20265	(051) 447-4408	(051) 430-3485
	Willows	Willows		
		9320		
Cape Town	Liesbeek Park Way	PO Box 615	(021) 681-6700	(021) 681-6701
	Rosebank	Rondebosch		
		7701		
Durban	15 Garth Rd	PO Box 30087	(031) 203-2900	(031) 203-2907
	Waterval Park	Mayville		
		4058		
East London	1 Teichmann Place	PO Box 5156	(043) 736-2351/52/53	(043) 736-1175
	Sunnyridge	Greenfields		
		East London		
		5208		
Port Elizabeth	30 Kipling Rd	PO Box 3013	(041) 391-8400	(041) 391-8427
	Kensington	North End		
		6056		
Richards Bay	Suite 2	PO Box 413	(035) 788-0290	(035) 788-0977
	Quay Walk Building	Richards Bay		
	Tuzi Gazi	3900		
	Small Craft			

South African national and related standards described

South African national standards

One of the most important objects of the Standards Division of the SABS is to issue national standards, where the term "standard" is used generically to refer to a specification, code of practice or standard method. A specification may be a description of a product or commodity, or a description of the manner of manufacture, in which case the components, material or substance, characteristics and other relevant aspects are typically included.

As far as product specifications are concerned, the procedure followed in regard to the development of a standard is as follows:

On being approached with a request for the preparation of a standard, the Standards Division refers the request to, or appoints, a technical committee representative of manufacturers, distributors, purchasers, government departments, independent bodies and experts. In collaboration with the standards officers of the Standards Division, and using a consultation and consensus-building process, the technical committee considers the national need for such a standard and, if sufficient need exists, drafts a proposed standard for the product concerned. The draft is then circulated widely in South Africa and internationally for comment. After the comment period of 60 days the committee reviews its proposed standard in the light of the comments received and then only is the standard submitted for approval.

In commerce and industry the three groups mainly concerned are the producers, the distributors and the purchasers.

Manufacturers are sometimes forced to sacrifice the most economical production volume and to produce not only their own particular design of a commodity but also that of a competitor in order to achieve sales, this policy resulting in a large number of small production runs. The distributor on the other hand has to tie up capital in numerous variations of each commodity, while the purchaser in fact only wants a commodity that works, is easily replaceable and economical. Unnecessary variety leads to the fragmentation of the market to the detriment of all concerned. Distributors find that most of the sales are drawn from about 20 per cent of the variety of manufactured commodities.

Such a situation results in a waste of time, material, labour and capital. Control is difficult because the manufacturers are seldom able to approach or influence the distributors and purchasers, and the distributors cannot easily approach or influence either the manufacturers or the purchasers, yet these three important groups have a common interest and their well-being is interdependent.

The Standards Division strives to bring about the necessary concord by drawing up specifications that have two main objectives. The first objective is rationalization,

i.e. reducing unnecessary variety, and the second objective is the establishment of standards of quality and performance.

As a result of the longer production runs made possible, the use of a product specification offers the manufacturer a means of reducing production costs, and therefore of achieving economies of scale. This also contributes to industrial stabilization: because of the sure market for commodities made to specification, manufacturers may be able to keep their workers employed during periods of low demand, knowing that the commodities manufactured during these periods will be absorbed in busier times.

The purchaser also gains because, when commodities are produced in conformity with a prescribed standard, the requisite quality and optimum advantage of the unit cost ratio of production are achieved.

Compulsory specifications (VC)

In terms of section 22(1)(a) of the Standards Act, the Minister of Trade and Industry may, on the recommendation of the SABS Council, declare a specification which has been set and issued as a standard or a provision of such a standard to be a compulsory specification in order to promote and maintain standardization and quality if safety, health, consumer protection or the environment is concerned. The compulsory specification is administered on behalf of the Minister by the SABS Regulatory Division, and the administration costs are recovered from levy pavers in terms of the Regulations relating to the payment of levy and the issue of sales permits in regard to compulsory specifications, published by Government Notice No. R999 of 3 May 1985. The code VC is used solely for administrative purposes within the SABS and the only correct reference is the number and date of the Government Notice in terms of which the specification was declared compulsory.

Standardization and co-ordination of purchases (CKS)

The Government, recognizing that standardization would contribute significantly to conservation of capital and the promotion of locally manufactured commodities, instructed the Department of Trade and Industry to implement a policy of standardization and co-ordination of purchases by government departments, semi-government organizations and provincial and local authorities in the Republic of South Africa.

The Central Standardization Committee (CSC) was appointed in 1958 and was instructed to implement this policy, which, inter alia, concerns the preparation and use of CKS specifications. This responsibility of the CSC was taken over by the Department of Trade and Industry in 1991. CKS specifications are used in the purchase, under contract, of commodities not covered by South African national standards.

Recommended practices (ARP)

A recommended practice (ARP) is prepared for use in instances where there is need for a set of recommendations to facilitate the execution of a particular task or procedure. It disseminates information for the promotion of standardization in a field in which a national standard would be inappropriate and it may serve to complement a national standard.

An ARP is of a lower status than, and consequently does not take precedence over, a national standard. Although it has no legal standing *per se*, it may be used for contractual purposes. An ARP is not a standard as defined in the Standards Act and does not qualify in terms of section 31 for incorporation into any standard or legislation.

Rationalized user specifications (NRS)

Power Institute of East and Southern Africa (PIESA)

These specifications are examples of specifications prepared by organizations other than the Standards Division, and contain performance and quality requirements. If after a specific period of implementation such an action is deemed advisable, such specifications may be used by a Technical Committee as source documents for conversion into national standards.

SANS 1-1:2012 Standard for standards Part 1: The	development of South African Natio	nal Standards
Ed 3.00 A4.31p EN		Gr 0
PDF 31p EN		01.120
Details the process for the developme the Standards Act, 2008 (Act No. 8 of the staff of the SABS Standards Divisi	nt and amendment of South African Na 2008). Not intended to provide detailed on.	ational Standards in accordance with the provisions of section 23(2) of d internal SABS procedures since these are generally required only by
SANS 1-2:2007		
Standards for standards Part 2: Rec	uirements for the recognition of Sta	andard Development Organizations (SDOs) in South Africa
Ed 1.00 A4 12p EN	-	Gr 0
PDF 12p EN		01.120
Describes underlying principles for the the preparation of national standards a own style.	recognition of Standards Developmer and other normative documents. Stans	nt Organizations (SDOs) other than Standards South Africa (StanSA) ir SA still reserves the right to publish these documents according to its
SANS 2:2009		
(SABS 2)		
Lead-acid starter batteries		
Ed 7.00 A4 25p EN		Gr 10
PDF 25p EN		29.220.20; 43.060.50
Specifies the characteristics of lead-action for starting and igniting internal combuting	id batteries of nominal voltage 12 V, c stion engines, for lighting, and for auxi	commonly called "starter batteries". Used primarily as a power source iliary equipment of internal combustion engine vehicles.
SATS 2:2012		
The development of normative docu	ments other than South African Nat	tional Standards
Ed 1.00 A4 10p EN		Gr 5
PDF 10p EN		01.120
Outlines the procedure for the develop	ment of normative documents other th	nan South African National Standards.
SANS 4:2008 (SABS 4) Locks, latches, and associated furn	iture for doors (Domestic Type)	
Ed 3.03 A4 20p EN		Gr 8
PDF 20p EN		91.060.50
Provides definitions that clarify the rele performance, minimum security, and c furniture sets	evant terms and descriptions used, and ertain essential dimensions of lever- a	d lays down requirements for the type, construction, finish, and pin-tumbler mechanism locks and latches including lock, latch and
Am 1(National), 1980-08-01	Am 2(National), 1991-02-01	Am 3(National), 2008-05-23
SANS 11:2007 (2012-06-01)		
(SADS TT)	NC-II) components for external rain	nwater systems
Ed 1 02 A4 15p EN	vo-o) components for external rail	Gr 7
PDF 15p EN		23 040 20: 23 040 45
Covers unplasticized poly(vinyl chlorid in-column or in-duct applications).	e) (PVC-U) rainwater system compone	ents of different types and intended for external applications (other than
Am 1(National), 2001-08-20	Am 2(National), 2007-03-30	
SANS 13:2008 (SABS 13)		
Wax polish, solvent-based, for floor	s and furniture	
Ed 2.03 A4 9p EN		Gr 5
PDF 9p EN		71.100.40; 75.140
Covers two forms, i.e. liquid and paste (asphalt), semi flexible vinyl (vinyl-asb	, of solvent-based wax polish suitable estos), flexible vinyl, linoleum, and rub	for use on furniture and floors, other than those of thermoplastic ber.
Am 1(National), 1989-08-01	Am 2(National), 2004-07-02	Am 3(National), 2008-08-15
SANS 14:1994 / ISO 49:1994 (2009-1 (SABS ISO 49)	2-11)	
Malleable cast iron fittings threaded	l to ISO 7-1	
Ed 1.00 A4 43p EN		Gr 12
PDF 43p EN		23.040.40
Specifies requirements for the design transmission of fluids and gases up to	and performance of malleable cast iron the limits of pressure and temperature	n threaded pipe fittings that are intended for general purposes for the especified in this standard.

Cor 1(International), 2003-12-05

SANS 15:2008 (SABS 15) Wax emulsion polich for floors and fur	nituro	
Ed 2.02 A4 9p EN	niture	Gr 5
PDF 9p EN		71 100 40: 75 140
Covers wax emulsion paste polish and two polish containing an organic solvent) thos Am 1(National), 1991-02-01	o types of wax emulsion liquid polish sui e of thermoplastics (asphalt), semi-flexit Am 2(National), 2004-07-30	table for use on furniture and floors other than (in the case of ole vinyl (vinyl-asbestos), flexible vinyl, linoleum, and rubber. Am 3(National), 2008-08-15
SANS 16:2007 / ISO/IEC 10116:2006		
Information technology - Security technology	niques - Modes of operation for an n-l	bit block cipher
Ed 2.00 A4 48p EN		Gr 12
		35.040
Establishes five modes of operation for an Cor 1(International), 2012-02-24	oplications of an n-bit block cipher. The r	nodes provide protection of data confidentiality.
SANS 17:2005 (2011-02-04) Glass and plastics in furniture		
Ed 1.00 A4 16p EN		Gr 7
PDF 16p EN		81.040.30; 97.140
Covers the requirements for safety glass a	and plastics used in the construction of f	urniture.
SANS 18-1:2003 / ISO/IEC 10118-1:2000 Information technology - Security techn Ed 1.00 A4 11p EN PDF 11p EN) (2009-08-28) niques - Hash-functions Part 1: Gener	al Gr 6 35.040
Specifies hash-functions and is therefore arbitrary strings of bits to a fixed-length st requirements, that are common to all the	applicable to the provision of authenticat rings of bits, using a specified algorithm. other parts of ISO/IEC 10118.	tion, integrity and non-repudiation services. Hash-functions map This part contains definitions, symbols, abbreviations and
SANS 18-2:2011 / ISO/IEC 10118-2:2010 Information technology - Security technology) niques - Hash-functions Part 2: Hash-	functions using an n-bit block cipher
Ed 2.00 A4 36p EN PDF 36p EN		Gr 11 35.040
Specifies hash-functions which make use algorithm is already implemented.	of an n-bit block cipher algorithm. They	are therefore suitable for an environment in which such an
SANS 18-3:2007 / ISO/IEC 10118-3:2004	l (2011-09-23)	
Information technology - Security technology	niques - Hash-functions Part 3: Dedic	ated hash-functions
Ed 2.00 A4 112p EN		Gr 16
		35.040
Specifies dedicated hash-functions, i.e.,sp iterative use of a round-function. Also spe Am 1(International), 2007-07-27	pecially designed hash-functions. The hat cifies seven distinct round-functions, giv	sh-functions in this part of ISO/IEC 10118 are based on the ing rise to distinct dedicated hash-functions.
SANS 18-4:2003 / ISO/IEC 10118-4:1998 Information technology - Security techn	3 (2009-08-28) niques - Hash-functions Part 4: Hash-	functions using modular arithmetic
Ed 1.00 A4 27p EN PDF 27p EN		Gr 10 25.040
Specifies two hash-functions which make messages of arbitrary but limited length to function. Thus, the hash-code is easily sc	use of modular arithmetic. These hash- a hash-code whose length is determine aled to the input length of any mechanis	functions, which are believed to be collision-resistant, compress ad by the length of the prime number used in the reduction- m (e.g. signature algorithm, identification scheme).
SANS 19:2007	n of mobile grange	
Fd 1 01 A4 41p EN		Gr 11
PDF 41p EN		53.020.20
Covers provisions for the inspection, testin new mobile cranes. Am 1(National), 2007-11-09	ng and examination of mobile cranes in	use. Does not cover the inspection, testing and examination of

SANS 20 (SABS 20	:2008 0)		
Primary	zinc		
			Gr 6
EU 2.01	PDF 11p EN		77.120.60
Specifies Am 1(Nat	five grades of primary zinc in tional), 2008-12-12	the form of ingots	
SANS 21	-1:2009 / EN 115-1:2008	ve Part 1. Construction and installa	tion
			0+ 15
Eu 1.00	PDF 92p EN		91.140.90
Applies to escalator manufact	o new escalators and moving v s and moving walks when they curer. Does not deal with hazar	valks (pallet or belt type). Deals with a vare used as intended and under cond ds arising from seismic activities.	Il significant hazards, hazardous situations and events relevant to ditions of misuse which are reasonably foreseeable by the
SANS 22	2) 2)		
Glazed c	eramic wall tiles and fittings		
Ed 2.03	A4 11n FN		Gr 6
20 2.00	PDF 11p EN		91.100.23
Covers gl inorganic	lazed ceramic wall tiles and fitt materials.	ings produced from any suitable com	bination of intimately mixed clays, shales, flints, feldspars, or other
Am 1(Na	tional), 1985-02-01	Am 2(National), 1986-08-01	Am 3(National), 2005-03-18
SANS 23	-4:2003 / EN 10223-4:1998 (2	009-05-29)	
Steel wir	e and wire products for fend	es Part 4: Steel wire welded mesh f	fencing
Ed 1.00	A4 14p EN		Gr 7
	PDF 14p EN		77.140.65
Specifies character i.e. wire v	requirements for steel wire we ristics of welded mesh fencing velded at right angles to one a	elded mesh fencing of which there are supplied as rolls or panels and coating nother.	many types for a variety of applications. It specifies the general gs, properties and tolerances. It covers only orthogonal welded mesh
SANS 24 (SABS 24	2 008 4)		
Soft sold	lers		
Ed 4.01	A4 12p EN		Gr 6
	PDF 12p EN		25.160.50
Specifies each soft Am 1(Nat	requirements for 23 soft solder solder alloy, and identify relational), 2008-07-18	er alloys,identified by the alloy number ed alloys.	s S1 to S23. Annexes C and D give guidance as to the typical use of
SANS 25	:2008		
(SABS 25	5)		
Zinc allo	y ingots for die-castings		
Ed 2.01	A4 9p EN		Gr 5
	PDF 9p EN		77.150.60
Covers tv Am 1(Nat	vo grades of zinc die-castings tional), 2008-07-18	alloy in the form of ingots.	
SANS 26	:2008		
(SABS 26	6)		
Zinc allo	y die-castings		
Ed 2.01	A4 13p EN		Gr 6
	PDF 13p EN		77.120.60
Covers th well as pa Am 1(Nat	ne chemical composition of 2 g acking and marking of ingots a tional), 2008-07-18	rades of zinc alloy for ingots and die-ond die-ond die-castings are included.	castings made from them. Some physical properties of die-castings as
SANS 27 (SABS EI	′ :2008 / EN 10202:2001 N 10202)		
Cold red	uced tinmill products - Elect	rolytic tinplate and electrolytic chro	pmium/chromium oxide coated steel
Ed 2.00	A4 49p EN	-	Gr 12
	г ur 49р EN		25.220.40; 77.140.50

Specifies requirements for tinmill products in the form of sheets or coils for subsequent cutting into sheets, consisting of single and double reduced low carbon mild steel products electrolytically coated with either tin (tinplate) or chromium/chromium oxide (ECCS). Applies to coils and sheets cut from coils in nominal minimum widths of 600 mm.

Cor 1(International), 2008-05-30

Standards South Africa Catalogue 2013

SANS 28:2010	
Metal ties for cavity walls	
Ed 4.01 A4 18p EN	Gr 7
PDF 18p EN	77.140.01; 91.060.10
Covers the dimensional and material requirements of metal ties suitable for walls h masonry walling constructed to dimensionally co-ordinated sizes. Am 1(National), 2010-02-12	aving cavity widths of up to the largest likely to be found in
SANS 29:2011 (SABS 29)	
Articles made of precious metals	
Ed 4.00 A4 12p EN PDF 12p EN	Gr 6 39 060: 77 120 99
Specifies the range of fineness and the composition of precious metals, and lays d metals.	lown requirements for the marking of articles made of precious
SANS 31:2007 / EN 10204:2004 (SABS EN 10204)	
Metallic products - Types of inspection documents	
Ed 2.00 A4 11p EN	Gr 7
Specifies the different types of inspection documents supplied to the purchaser, in of all metallic products e.g. plates, sheets, bars, forgings, castings, whatever their the product specifications which specify the technical delivery conditions of the pro-	accordance with the requirements of the order, for the delivery method of production. This document is used in conjuction with ducts.
SANS 32:1997 / EN 10240:1997 (2004-10-15) (SARS EN 10240)	
Internal and/or external protective coatings for steel tubes - Specification for	hot dip galvanized coatings applied in automatic plants
Ed 1.00 A4 11p EN	Gr 8
PDF 11p EN	23.040.10; 25.220.40; 77.140.75
Specifies the requirements and tests for hot dip galvanized coatings applied to stee installations, including water intended for human consumption and other application Am 1(National), 2000-05-04	el tubes hot dip galvanized in automatic plants for gas and water ns, e.g. scaffold tubes and structural hollow sections.
SANS 33:2007	
(SABS 1833)	
Equipment for use in industrial rope access work	Cr. 5
PDF 8p EN	13.340.99
Describes the requirements for equipment used for industrial rope access work. Am 1(National), 2006-10-06 Am 2(National), 2007-11-16	
SANS 38:2008	
(SABS 38)	
Metallic naphthenates for timber preservation	
PDF 12p EN	Gr 6 71.100.50
Covers metallic naphthenate concentrates and solutions of metallic naphthenate set Am 1(National), 1983-06-01 Am 2(National), 1983-08-01	uitable for the preservation of timber. Am 3(National), 2008-03-28
SANS 39:2006 / ISO 407:2004 (2011-02-11) (SABS ISO 407)	
Small medical gas cylinders - Pin-index yoke-type valve connections	
Ed 2.00 A4 28p EN	Gr 10
PDF 28p EN	11.040.10; 23.020.30; 23.040.40
Applies to pin-index yoke-type valve connections with a maximum working pressure cylinders (5 L or below) used for patient care, including therapeutic, diagnostic and treatment.	e (filling pressure at 15 °C) of 200 bar for small medical gas prophylactic applications, in hospitals and for emergency
SANS 40:2009 (SABS 40)	
Manually operated medium-vacuum sterilizers (autoclaves)	
Ed 2.03 A4 19p EN PDF 19p EN	Gr 8
Covers dimensional, constructional, and safety requirements for steam- and electric	ically heated, manually operated medium-vacuum sterilizers

(autoclaves) for use in hospitals and other medical institutions. Am 1(National), 1975-05-01 Am 2(National), 1977-06-01 Ar

Am 2(National), 1977-06-01Am 3Standards South Africa Catalogue2013

Am 3(National), 2009-08-14

SANS 43:2008 / ISO 540:2008 (SABS ISO 540) Hard coal and coke - Determination of ash fusibility Ed 2.00 A4 17p EN	Gr 8
PDF 17p EN	75.160.10
Specifies a method of determining the characteristic fusion temperatures of ash in	
SANS 44:2009 / ISO 544:2003 (SABS ISO 544) Welding consumables - Technical delivery conditions for welding filler mater markings Ed 2.00 A4 15p EN	Gr 8
Specifies technical delivery conditions for filler materials for fusion welding. It does	25.160.20 not apply to auxiliaries such as shielding gases.
SANS 47:2007 (SABS 47) Coal-tar type disinfectant liquids (black and white) Ed 3.01 A4 20p EN PDE 20p EN	Gr 8
Specifies requirements for two types of coal-tar disinfectants that are miscible with for the evaluation of coal-tar type disinfectants for general use. Black fluid consists point tar acids. White fluid consists of emulsified phenolic compounds Am 1(National), 2007-06-15	water and intended for use on inanimate surfaces. Is intended of a solubilized crude phenol fraction prepared from high boiling
SANS 49:2011 (SABS 49) Edible gelatin Ed 3.02 A4 23p EN PDF 23p EN	Gr 9 67 220 20
Covers requirements for the manufacture of gelatin. Am 1(National), 2007-08-17 Am 2(National), 2011-09-16	
SANS 50:2011 / ISO 562:2010 (SABS ISO 562) Hard coal and coke - Determination of volatile matter Ed 2.00 A4 15p EN PDF 15p EN	Gr 8
Specifies a method of determining the volatile matter of hard coal and of coke. It is	not applicable to brown coals and lignites.
SANS 51:2008 / ISO 580:2005 (SABS ISO 580) Plastics piping and ducting systems - Injection-moulded thermoplastics fittin heating Ed 2.00 A4 11p EN PDF 11p EN	ngs - Methods for visually assessing the effects of Gr 7 23 040 45
Specifies two methods for assessing the effects of heating on injection-moulded th method B, using a liquid bath.	ermoplastics pipe fittings - method A, using an air oven, and
SANS 52:1981 / ISO 622:1981 (2012-04-20) (SABS ISO 622) Solid mineral fuels - Determination of phosphorus content - Reduced molybo Ed 1.00 A4 7p EN	lophosphate photometric method Gr 6
PDF 7p EN Specifies a reduced molybdophosphate photometric method for the determination Two methods for taking the phosphorus into solution are specified, namely extract of the coal or coke, by acid, to remove carbonaceous matter. Am 1(National), 2006-06-30	75.160.10 of the total phosphorus content of hard coal, lignites and coke. on from the coal or coke ash with acid or by repeated oxidation
SANS 53:2005 / ISO 636:2004 (2011-02-18) (SABS ISO 636)	
Welding consumables - Rods, wires and deposits for tungsten inert gas weld Ed 2.00 A4 18p EN PDF 18p EN	ling of non-alloy and fine-grain steels - Classification Gr 8 25.160.20
Specifies requirements for classification of rods and wires in the as-welded conditigas welding of non-alloy and fine grain steels with a minimum yield strength of up	on and in the post-weld heat-treated condition for tungsten inert to 500 MPa or a minimum tensile strength of up to 570 MPa.

Standards South Africa Catalogue 2013

SANS 54:2009 / ISO 188:2007 Rubber, vulcanized or thermoplastic - Accelerated ageing and heat resistance	e tests
Ed 2.00 A4 24p EN	Gr 10
PDF 24p EN	83.060
Specifies two methods of accelerated ageing or heat resistance tests on vulcanized	d or thermoplastic rubbers.
SANS 58:2010 (SABS 58) Coiled wire for automatic baling machines	
Ed 2.02 A4 9p EN PDF 9p EN	Gr 5 55 040: 77 140 25: 77 140 65
Requirements for materials, strength and finish of wire, the winding and strapping of Am 1(National), 2008-03-28 Am 2(National), 2010-10-08	of coils and the strength of strapping ties are laid down.
SANS 61-1:2009 / ISO 10245-1:2008 Cranes - Limiting and indicating devices Part 1: General	
Ed 2.00 A4 14p EN	Gr 7
PDF 14p EN	53.020.20
Specifies general requirements for limiting and indicating devices for cranes that ar environment. These devices restrict operation or provide the operator or other pers	re applicable to loads and motions, performance and the ons (or both) with operational information.
SANS 62-1:2012 (SABS 62-1)	
Steel pipes Part 1: Pipes suitable for threading and of nominal size not excee	ding 150 mm
Ed 3.02 A4 18p EN PDE 18p EN	Gr 7
Covers the requirements for two classes (medium and heavy-based on wall thickne ends and of nominal size in the range 8 mm to 150 mm.	ess) of welded and seamless steel pipes with screwed or plain
Ain (National), 2000-02-20 Ain 2(National), 2012-00-22	
SANS 62-2:2009 (SABS 62-2) Steel pipes Part 2: Screwed pieces and pipe fittings of nominal size not excer	edina 150 mm
Ed 3.01 A4 17p EN	Gr 7
PDF 17p EN	23.040.10
Covers the requirements for two classes (medium and heavy - based on wall thickr fittings of nominal size in the range 6 mm to 150 mm. Am 1(National), 2009-06-05	ness) of welded and seamless steel screwed pieces and pipe
SANS 63:2013 (SABS 63)	
Ed 5.05 A4 13p EN	Gré
PDF 13p EN	97.160
Covers thirteen types of woven blankets, twelve with a raised finish and one of a ceAm 1(National), 2007-06-01Am 2(National), 2008-03-07Am 4(National), 2009-10-09Am 5(National), 2013-03-15	ellular type. Am 3(National), 2008-10-10
SANS 68:2003 / ISO 10282:2002 (2008-01-18) Single-use sterile rubber surgical gloves - Specification	
Ed 1.00 A4 14p EN PDF 14p EN	Gr 7 11.140:83.140.99
Specifies requirements for packaged sterile rubber gloves intended for use in surgi	cal procedures to protect the patient and the user from cross-
Cor 1(International), 2008-01-18	
SANS 69:2004	
Framework for setting and implementing national ambient air quality standar	ds
Ed 1.00 A4 25p EN PDF 25p EN	Gr 9 13.040.20

Defines the basic principles of a strategy for ambient air quality in South Africa, to avoid, prevent or reduce harmful effects on human health and the environment as a whole, taking into account technical, economic, social, political and strategic considerations.

SANS 70:2004 (2010-01-15) (SABS SM 70) Conditioning of textiles and standard temperate atmosphere for determining Ed 3.00 A4 3p EN	their physical and mechanical properties Gr 2		
PDF 3p EN	59.080.01		
Specifies a method for the conditioning of textile samples and specifies the standa mechanical properties.	ard temperate atmosphere for determining their physical and		
SANS 71:2010			
Inspection and testing of vehicle hoists			
Ed 1.01 A4 13p EN PDF 13p EN	Gr 6		
Contains provisions for the inspection and testing of existing fixed-wheel supportir apply to vehicle jacks, trolley jacks, car stackers and vehicle roll-over equipment. Am 1(National), 2010-08-27	ng, axle supporting and frame supporting vehicle hoists. Does not		
SANS 77:2008 (SABS 77)			
Wooden handles for brooms, hay-forks, and rakes (including general require	ements for other wooden handles for tools)		
Ed 3.03 A4 21p EN	Gr 8		
PDF 21p EN	53.120; 79.080		
Covers detailed requirements for one grade of wooden handles for brooms, hay-for handles for tools.	orks, and rakes and general requirements for other wooden		
Am 1(National), 1981-03-01 Am 2(National), 1983-02-01	Am 3(National), 2008-06-27		
SANS 79:2004 (2010-01-15) (SABS SM 79)			
Textiles - Mass per unit area of conditioned fabrics			
Ed 4.01 A4 8p EN	Gr 5		
FDF op EN	17.060; 59.080.30		
Specifies three alternative procedures for determining the mass per unit area of w non-woven fabrics, composite fabrics and narrow fabrics, that have been condition Am 1(National), 2004-12-10	oven fabrics (including those of the stretch type), knitted fabics, ned in the standard atmosphere for testing.		
SANS 80:2004 (2010-01-15) (SABS SM 80)			
Mass (oven-dry plus conventional allowance) per unit area of textile fabrics,	free from non-fibrous material		
Ed 4.00 A4 5p EN PDF 5p EN	Gr 3 17.060; 59.080.30		
Specifies a method for the evaluation of the mass (oven-dry plus conventional allo material.	owance) per unit area of textile fabrics, free from non-fibrous		
SANS 81:2004 (2010-01-15) (SABS SM 81)			
Width of a textile fabric sample			
Ed 3.00 A4 2p EN PDF 2p EN	Gr 1 59.080.30		
Specifies a method for the determination of the width of a textile fabric sample.			
SANS 82:2004 (2010-01-15) (SABS SM 82)			
Width of a textile fabric in a piece or roll			
Ed 3.00 A4 2p EN PDF 2p EN	Gr 1		
Specifies a method for the measurement of the width of a textile fabric in a piece	or roll.		
SANS 83:2007 (2012-04-05) (SABS SM 83)			
Length of a textile fabric sample			
Ed 3.00 A4 3p EN	Gr 3		
Specifies a method for the determination of the length of a textile fabric sample.	59.080.30		
·			

SANS 84 (SABS SI	:2005 (2010-02-26) M 84)	
Length o	f fabric in a piece or roll	
Ed 4.00	A4 2p EN PDF 2p EN	Gr 2 59.080.30
Specifies	a method for the determination of the length of fabric in a piece or roll.	
SANS 85 (SABS SI	:2007 (2012-04-05) M 85)	
Thicknes	s of wool fabrics	
Ed 3.00	A4 4p EN	Gr 3
	PDF 4p EN	59.080.30
Specifies	a method for the determination of the thickness of wool fabrics.	
SANS 92 (SABS 92	: 2008 2)	
Bitumino	ous roofing felt	
Ed 5.01	A4 19p EN	Gr 8
	PDF 19p EN	91.060.20; 91.100.50
Covers tw Am 1(Nat	vo types of bituminous roofing felt suitable for use in waterproofing and ir tional), 2008-03-14	n the construction of built-up roofs.
SANS 94	-1:2003 / EN 1492-1:2000 (2011-03-25)	
Textile sl	lings - Safety Part 1: Flat woven webbing slings, made of man-made	e fibres, for general purpose use
Ed 1.00	A4 32p EN	Gr 11
	PDF 32p EN	53.020.30
Specifies webbing s 450 mm.	the requirements related to safety, including methods of rating and testi slings, with or without fittings, made of polyamide, polyester and polyprop inclusive.	ng single-, two-, three-, four-leg and endless sewn flat woven pylene man-made fibre webbing in the width range of 25 mm to
Am 1(Inte	ernational), 2011-03-25 Cor 1(International), 2011-03-25	
	0.0002 / EN 1400 0.0000 (0011 02 05)	
SANS 94 Toxtilo el	-2:2003 / EN 1492-2:2000 (2011-03-25) lings - Safety Part 2: Poundelings made of man-made fibres for gen	oral nurnoso uso
	A4 27n EN	Gr 10
Lu 1.00	PDF 27p EN	53.020.30
Specifies and two-,	the requirements related to safety, including methods of rating and testi three-, and four-leg roundsling assemblies, with or without fittings, made	ng roundslings up to 40 tonnes working load limit (in straight lift) e of polyamide, polyester and polypropylene.
Am 1(Inte	ernational), 2011-03-25 Cor 1(International), 2011-03-25	
SANS 95	-1:2009 / EN 840-1:2004	
Mobile w	vaste containers Part 1: Containers with 2 wheels with a capacity up	to 400 I for comb lifting devices, dimensions and design
Ed 1.00	A4 18p EN PDE 18p EN	Gr 8
		13.030.40
Specifies devices.	dimensions and design requirements of mobile waste containers with 2	wheels, with capacity up to 400 I to be used by comb lifting
SANS 95	-2:2009 / EN 840-2:2004	
Mobile w	aste containers Part 2: Containers with 4 wheels with a capacity up	to 1 300 I with flat lid(s), for trunnion and/or comb lifting
devices -	Dimensions and design	· · · · · ·
Ed 1.00	A4 18p EN	Gr 8
	PDF 18p EN	13.030.40
Specifies trunnion a	dimensions and design requirements of mobile waste containers with 4 and/or comb lifting devices.	wheels, with flat lid(s) and capacity up to 1 300 l to be used by
SANS 95 Mobile w	-3:2009 / EN 840-3:2004 vaste containers Part 3: Containers with 4 wheels with a capacity up	o to 1 300 I with dome lid(s), for trunnion and/or comb
lifting de	VICES - DIMENSIONS and design	
⊨a 1.00	PDF 21p EN	ୟ୮ ୬ 13 030 40
Specifies	dimensions and requirements of mobile waste containers with 4 wheels	with dome lid(s) and capacity up to 1 300 I to be used by
trunnion a	and/or comb lifting devices.	
	-	

SANS 95-4:2009 / EN 840-4:2004 Mobile waste containers - Part 4: Containers with 4 wheels with capacity up t wide comb lifting device - Dimensions and design	to 1 700 I with flat lid(s), for wide trunnion or BGand/ or	
Ed 1.00 A4 19p EN PDF 19p EN	Gr 9 13.030.40	
Specifies dimensions and design requirements of mobile waste containers with 4 wheels, with flat lid(s) and capacity up to 1 700 I to be used by wide trunnion or BG-lifting device and/or wide comb lifting devices.		
SANS 95-5:2009 / EN 840-5:2004 Mobile waste containers Part 5: Performance requirements and test methods	3	
Ed 1.00 A4 29p EN	Gr 10	
Gives the test methods for mobile waste containers according to EN 840-1 to EN 8 the designation SANS 95-1 to SANS 95-4). Gives the levels to be reached during t containers with capacities up to 1 700 l.	340-4 (published in South Africa as an identical adoption under tests after they have been done. Applies to mobile waste	
SANS 95-6:2009 / EN 840-6:2008 Mobile waste containers Part 6: Safety and health requirements		
Ed 1.00 A4 11p EN	Gr 7	
PDF 11P EN	13.030.40	
South Africa as an identical adoption under the designation SANS 95-1 to SANS 9 Am 1(International), 2009-12-04	5-4), not including hazardous wastes containers.	
SANS 96:2006 (2012-08-17)		
Ed 1.00 A4.9p EN		
PDF 9p EN	13.230; 29.260.20	
Covers the sampling (batch testing) procedure and compliance requirements for exmanufactured, distributed, supplied or imported under a recognized product certific	xplosion-protected apparatus of certified design not cation scheme.	
SANS 97:2012 (SABS 97) Electric cables - Impregnated paper-insulated metal-sheathed cables for rated assisted cables)	d voltages 3,3/3,3 kV to 19/33 kV (excluding pressure	
Ed 7.01 A4 46p EN	Gr 11	
PDF 46p EN	29.060.20; 29.240.20	
Specifies the construction, materials, dimensions and test requirements for single- sheathed cables that have copper or aluminium conductors and lead, lead alloy or voltages from 3,3/3,3 kV up to 19/33 kV. Am 1(National), 2012-12-14	core and three-core impregnated paper-insulated metal- corrugated seamless aluminium sheaths, and that have rated	
SANS 98:2012		
Ingredient labelling of cosmetic products	Gr 6	
PDF 14p EN	71.100.70	
Specifies ingredient labelling requirements for cosmetic products in South Africa. Am 1(National), 2012-04-13		
SANS 99:2008 (SABS 99) White chalks		
Ed 3.00 A4 9p EN	Gr 5	
PDF 9p EN	97.180	
specifies the requirements for soit, hard and soit dust-free white chaiks.		
SANS 101:2009 White metal designated WM 6		
Ed 1.01 A4 7p EN	Gr 5	
PDF 7p EN	77.120.60	
Covers a grade of white metal designated WM 6, according to its average tin conte Am 1(National), 2009-09-11	ent.	

Standards South Africa Catalogue 2013

SANS 102:2009 White metal designated WM 15 Ed 1.01 A4 7p EN PDE 7p EN	Gr 5	
Covers a grade of white metal designated WM 15, according to its average tin cont Am 1(National), 2009-09-11	tent.	
SANS 103:2009		
White metal designated WM 30		
Ed 1.01 A4 7p EN PDF 7p EN	Gr 5 77.120.60	
Covers a grade of white metal designated WM 30, according to its average tin cont Am 1(National), 2009-09-11	tent.	
SANS 104:2009 White metal designated WM 40		
Ed 1.01 A4 7p EN	Gr 5	
PDF 7p EN	77.120.60	
Covers a grade of white metal designated WM 40, according to its average tin cont Am 1(National), 2009-10-02	tent.	
SANS 105-A01:2010 / ISO 105-A01:2010 (SABS ISO 105-A01)		
Textiles - Tests for colour fastness Part A01: General principles of testing		
Ed 2.00 A4 19p EN PDF 19p EN	Gr 9	
Provides general information about the methods for testing colour fastness of textil methods are pointed out, several terms are defined, an outline of the form of the m methods are discussed.	es for the guidance of users. The uses and the limitations of the ethods is given and the contents of the clauses constituting the	
SANS 105-A02:1993 / ISO 105-A02:1993 (2012-03-16) (SABS ISO 105-A02)		
Textiles - Tests for colour fastness Part A02: Grey scale for assessing change	e in colour	
Ed 1.00 A4 5p EN PDF 5p EN	Gr 5 59.080.01	
Describes the grey scale for determining changes in colour of textiles in colour fast the scale is given as a permanent record against which newly prepared working sta compared.	ness tests, and its use. A precise colorimetric specification of andards and standards that might have changed can be	
oor 2(international), 2000-01-20		
SANS 105-A03:1993 / ISO 105-A03:1993 (2012-03-16) (SABS ISO 105-A03)		
Textiles - Tests for colour fastness Part A03: Grey scale for assessing stainin	g Cr 5	
PDF 5p EN	59.080.01	
Describes the grey scale for determining staining of adjacent fabrics in colour fastn scale is given as a permanent record against which newly prepared working standa Cor 2(International), 2006-07-28	less tests, and its use. A precise colorimetric specification of the ards and standards that might have changed can be compared.	
SANS 105-A08:2003 / ISO 105-A08:2001 (2008-08-22)		
Textiles - Tests for colour fastness Part A08: Vocabulary used in colour meas	surement	
Ed 1.00 A4 9p EN PDE 9p EN	Gr 6	
	01.040.59; 59.080.01	
the context and scope of ISO 105.	out ISO 105. The definitions are intended to be used only within	
SANS 105-B01:1994 / ISO 105-B01:1994 (2012-04-05) (SABS ISO 105-B01)		
Textiles - Tests for colour lastness Part buil: Colour lastness to light: Daylight		
PDF 13p EN	59.080.01	
Specifies a method intended for determining the resistance of the colour of textiles	of all kinds and in all forms to the action of davlight. It allows the	
use of two different sets of blue wool references, the results of which may not be id Am 1(International), 2001-01-19 Am 1(National), 2006-04-07	lentical.	

(SABS ISO 105-B02) Textiles - Tests for colour fastness Part B02: Colour fastness to artificial light: Xenon arc fading lamp test Ed 1.00 A4 20p EN Gr 10 PDF 20p EN 59.080.01 Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to the action of an artificial light source representative of natural daylight (D65). The method is also applicable to white (bleached or optically brightened) textiles. Am 1(International), 1999-08-04 Am 2(International), 2001-12-07 SANS 105-B04:1994 / ISO 105-B04:1994 (2009-05-22) (SABS ISO 105-B04) Textiles - Tests for colour fastness Part B04: Colour fastness to artificial weathering: Xenon arc fading lamp test Gr 8 Ed 1.00 A4 12p EN PDF 12p EN 59.080.01 Specifies a method for determining the resistance of the colour of textiles of all kinds, except loose fibres, to the action of weather as determined by exposure to simulated weathering conditions in a cabinet equipped with a xenon arc lamp. This method can be used to determine if a textile is wet light-sensitive. SANS 105-B05:1993 / ISO 105-B05:1993 (2008-08-22) (SABS ISO 105-B05) Textiles - Tests for colour fastness Part B05: Detection and assessment of photochromism Ed 1.00 A4 7p EN Gr 7 PDF 7p EN 59.080.01 Specifies a method for detecting and assessing change in colour, after brief exposure to light, of coloured textiles which change in colour on exposure to light but which virtually return to their original shade when stored in the dark. SANS 105-C10:2007 / ISO 105-C10:2006 (2012-03-16) Textiles - Tests for colour fastness Part C10: Colour fastness to washing with soap or soap and soda Ed 1.00 A4 11p EN Gr 7 PDF 11p EN 59.080.01 Describes five methods intended for determining the resistance of the colour of textiles of all kinds and in all forms to washing procedures, from mild to severe, used for normal household articles. SANS 105-D01:2011 / ISO 105-D01:2010 (SABS ISO 105-D01) Textiles - Tests for colour fastness Part D01: Colour fastness to drycleaning using perchloroethylene solvent Ed 2.00 A4 10p EN Gr 6 PDF 10p EN 59.080.01 Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to drycleaning using perchloroethylene solvent. This test covers colour fastness to drycleaning only. SANS 105-D02:1993 / ISO 105-D02:1993 (2009-01-30) (SABS ISO 105-D02) Textiles - Tests for colour fastness Part D02: Colour fastness to rubbing: Organic solvents Ed 1.00 A4 6p EN Gr 6 PDF 6p EN 59.080.01 Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms, except loose fibres, to the combined action of rubbing and of organic solvents used in spot-cleaning, i.e. localized "spotting" carried out by hand. SANS 105-E01:2011 / ISO 105-E01:2010 (SABS ISO 105-E01) Textiles - Tests for colour fastness Part E01: Colour fastness to water

Ed 2.00 A4 10p EN Gr 6 PDF 10p EN 59.080.01

Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to immersion in water.

SANS 105-E02:1994 / ISO 105-E02:1994 (2012-03-16)

SANS 105-B02:1994 / ISO 105-B02:1994 (2009-05-22)

(SABS IS	O 105-E02)
Textiles ·	- Tests for colour fastness Part E02: Colour fastness to sea wate
Ed 1.00	A4 6p EN PDF 6p EN

Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to immersion in sea water. **Cor 1(International), 2003-09-19**

Gr 5

•	33.000.01
an undyed polyamide adjacent fabric which may be use yamide adjacent fabric under test are assessed against hich are available from a specified source. tional), 2006-04-07	ed for the assessment of staining in colour fastness tes a polyamide reference adjacent fabric, using a polyam

Standards South Africa Catalogue 2013 NUM - 12

Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to the action of active chlorine in

59.080.01

Ed 2.00 A4 9p EN	Gr 6
PDF 9p EN	59.080.01
Specifies a method for determining the resistance of the	e colour of textiles of all kinds and in all forms to the action of human perspiration.
SANS 105-E05:2011 / ISO 105-E05:2010	
Textiles - Tests for colour fastness Part E05: Colour	fastness to spotting: Acid
Ed 3.00 A4 8p EN	Gr 6
PDF 8p EN	59.080.01
Specifies a method for determining the resistance of the mineral acids.	e colour of textiles of all kinds and in all forms to the action of dilute solutions of organic and
SANS 105-E06:2008 / ISO 105-E06:2006	
Textiles - Tests for colour fastness Part E06: Colour	fastness to spotting: Alkali
Ed 2.00 A4 8p EN	Gr 6
PDF 8p EN	59.080.01
Specifies a method for determining the resistance of the	e colour of textiles of all kinds and in all forms to the action of dilute alkaline solutions.
SANS 105-E07:2011 / ISO 105-E07:2010	
Textiles - Tests for colour fastness Part E07: Colour	fastness to spotting: Water
Ed 2.00 A4 8p EN	Gr 6
PDF 8p EN	59.080.01

Textiles - Tests for colour fastness Part E03: Colour fastness to chlorinated water (swimming-pool water)

concentrations such as are used to disinfect swimming-pool water (break-point chlorination).

Textiles - Tests for colour fastness Part E04: Colour fastness to perspiration

Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to spotting by water.

SANS 105-F01:2001 / ISO 105-F01:2001 (2012-02-10)	
(SABS ISO 105-F01)	

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Textiles - Tests for	^r colour fastness Par	t F01: Specification for	or wool adjacent fabric

Ed 1.00	A4 9p EN	Gr 6
	PDF 9p EN	59.080.01
0	and the design of a discount following the state of the s	and a second of state being the second

Specifies an undyed wool adjacent fabric that may be used for the assessment of staining in colour fastness tests. The staining properties of the wool adjacent fabric under test are assessed against a wool reference adjacent fabric, using two wool dyed reference fabrics and one cotton dyed reference fabric, all of which are available from a specified source.

Am 1(National), 2006-04-07

SANS 105-F02:2009 / ISO 105-F02:2009

SANS 105-E03:2011 / ISO 105-E03:2010

SANS 105-E04:2009 / ISO 105-E04:2008

Ed 2.00 A4 10p EN

(SABS ISO 105-E04)

PDF 10p EN

•••••••		
Textiles - Tests for colour fastness Part F02: Specification for cotton and viscose adjacent fabrics		
Ed 1.00	A4 9p EN	Gr 6
	PDF 9p EN	59.080.01
Specifies The stair	s an undyed cotton (and an undyed viscose) adjacen ning properties of the cotton (and viscose) adjacent f	t fabric which may be used for the assessment of si abric under test are assessed against a cotton (and

taining in colour fastness tests. a viscose) reference adjacent fabric, using a cotton dyed reference fabric, all of which are available from a specified source.

SANS 105-F03:2001 / ISO 105-F03:2001 (2012-02-10) (SABS ISO 105-F03)

Textiles - Tests for colour fastness Part F03: Specification for polyamide adjacent fabric Gr 6

Ed 1.00 A4 8p EN PDF 8p EN

Specifies sts. The staining properties of the poly nide dyed reference fabric, both of wh

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SANS 105-F04:2001 / ISO 105-F04:2001 (2012-02-10) (SABS ISO 105-F04)

Textiles - Tests for colour fastness Part F04: Specification for polyester adjacent fabric

Ed 1.00 A4 8p EN PDF 8p EN Gr 6 59.080.01

> Gr 6 59.080.01

Specifies an undyed polyester adjacent fabric which may be used for the assessment of staining in colour fastness tests. The staining properties of the polyester adjacent fabric under test are assessed against a polyester reference adjacent fabric, using a polyester dyed reference fabric, both of which are available from a specified source.

Am 1(National), 2006-04-13

SANS 105-F05:2001 / ISO 105-F05:2001 (2012-02-10) (SABS ISO 105-F05)

Textiles - Tests for colour fastness Part F05: Specification for acrylic adjacent fabric

- oxtinoo		of opcomodition for a	
Ed 1.00	A4 8p EN		
	PDF 8p EN		

Specifies an undyed acrylic adjacent fabric which may be used for the assessment of staining in colour fastness tests. The staining properties of the acrylic adjacent fabric under test are assessed against an acrylic reference adjacent fabric, using an acrylic dyed reference fabric, both of which are available from a specified source.

Am 1(National), 2006-04-07

SANS 105-F06:2000 / ISO 105-F06:2000 (2008-03-14)

(SABS ISO 105-F06)

Textiles - Tests for colour fastness Part F06: Specification for silk adjacent fabric

Ed 1.00	A4 10p EN	Gr 7
	PDF 10p EN	59.080.01

Specifies an undyed silk adjacent fabric which may be used for the assessment of staining in colour fastness tests. Am 1(National), 2008-03-14

SANS 105-F07:2001 / ISO 105-F07:2001 (2012-02-10)

(SAB2 IS	SO 105-F07)	
Textiles	- Tests for colour fastness Part F07: Sp	pecification for secondary acetate adjacent fabric
Ed 1.00	A4 8p EN	Gr 6
	PDF 8p EN	59.080.01

Specifies an undyed secondary acetate adjacent fabric which may be used for the assessment of staining in colour fastness tests. The staining properties of the secondary acetate adjacent fabric under test are assessed against a secondary acetate reference adjacent fabric, using a secondary acetate dyed reference fabric, both of which are available from a specified source. **Am 1(National), 2006-04-07**

SANS 105-F09:2009 / ISO 105-F09:2009

Textiles - Tests for colour fastness Part F09: Specification for cotton rubbing cloth

Ed 1.00	A4 9p EN	Gr 6
	PDF 9p EN	59.080.01

Specifies a cotton rubbing cloth which can be used for the assessment of staining in colour fastness to rubbing tests. The staining properties of the cotton rubbing cloth under test are assessed against a cotton rubbing cloth reference fabric, using a cotton dyed reference fabric, both of which are available from a specified source.

SANS 105-F10:1989 / ISO 105-F10:1989 (2010-04-30)

(SABS ISO 105-F10)

Textiles - Tests for colour fastness Part F10: Specification for adjacent fabric: Multifibre

Ed 1.00	A4 8p EN	Gr 7
	PDF 8p EN	59.080.01

Establishes general requirements for undyed multifibre adjacent fabrics which may be used for assessment of staining in colour fastness test procedures. The multifibre adjacent fabrics exhibit standardized staining properties. Am 1(International), 2010-04-30

SANS 105-J01:2003 / ISO 105-J01:1997 (2009-01-30)

Textiles - Tests for colour fastness Part J01: General principles for measurement of surface colour

Ed 1.00 A4 15p EN PDF 15p EN

Is designed as a reference document to support the proper measurement of the colour of specimens by instrumental means as required in many parts of ISO 105.It describes general concepts and problems associated with reflectance colour measurement. Annex A specifies techniques and specimen handling procedures.

Gr 8

59.080.01

SANS 105-J03:2010 / ISO 105-J03:2009 Textiles - Tests for colour fastness Part J03: Calculation of colour differences	3
Ed 2.00 A4 15p EN	Gr 8
PDF 15p EN	59.080.01
Provides a method of calculating the colour difference between two specimens of the provides a means for establishing the ratio of differences in lightness to chroma and	he same material, measured under the same conditions. Also d to hue.
SANS 105-N01:1993 / ISO 105-N01:1993 (2009-01-30) (SABS ISO 105-N01)	
Textiles - Tests for colour fastness Part N01: Colour fastness to bleaching: Hy	ypochlorite
Ed 1.00 A4 5p EN PDF 5p EN	Gr 6 59.080.01
Specifies a method for determining the resistance of the colour of textiles of all kind sodium or lithium hypochlorite in concentrations normally used in commercial blead materials.	is and in all forms to the action of bleaching baths containing thing. Is applicable mainly to natural and regenerated cellulose
SANS 105-X05:1994 / ISO 105-X05:1994 (2009-06-26) (SABS ISO 105-X05)	
Textiles - Tests for colour fastness Part X05: Colour fastness to organic solve	ents
Ed 1.00 A4 6p EN	Gr 6
	59.080.01
Specifies a method for determining the resistance of the colour of textiles of all kind	is and in all forms to organic solvents.
SANS 105-X11:1994 / ISO 105-X11:1994 (2012-03-16) (SABS ISO 105-X11)	
Textiles - Tests for colour fastness Part X11: Colour fastness to hot pressing	
Ed 1.00 A4 6p EN	Gr 5
	59.080.01
Specifies a method for determining the resistance of the colour of textiles of all kinc Tests are given for hot pressing when the textile is dry, when it is damp and when it Am 1(National), 2006-04-07	is and in all forms to ironing and to processing on hot cylinders. t is wet.
SANS 105-X12:2006 / ISO 105-X12:2002 (2012-03-16) (SABS ISO 105-X12)	
Textiles - Tests for colour fastness Part X12: Colour fastness to rubbing	
Ed 3.00 A4 8p EN	Gr 6
	59.080.01
Specifies a method for determining the resistance of the colour of textiles of all kinc rubbing off and staining other materials. It is applicable to textiles made from all fibr whether dyed or printed.	is, including textile floor coverings and other pile fabrics, to res in the form of yarn or fabric, including textile floor coverings,
SANS 105-X16:2004 / ISO 105-X16:2001 (2010-02-26) Textiles - Tests for colour fastness Part X16: Colour fastness to rubbing - Sm	all areas
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	59.080.01
Specifies a method for determining the resistance of the colour of textiles to rubbing areas, smaller than is possible to test with the apparatus described in SANS 105-X	g off and staining other materials where the singling out of 12/ISO 105-X12 (SABS ISO 105-X12), is required.
SANS 106:2009 White metal designated WM 66	
Ed 1.01 A4 7p EN	Gr 5
PDF 7p EN	77.120.60
Covers a grade of white metal designated WM 66, according to its average tin cont Am 1(National), 2009-10-02	ent.
SANS 107:2009 White metal designated WM 72	
Fd 1 01 A4 7n FN	Gr 5
PDF 7p EN	77.120.60
Covers a grade of white metal designated WM 72, according to its average tin cont Am 1(National), 2009-10-02	ent.

SANS 108:2009 White metal designated WM 80		
Ed 1.01 A4 7p EN		Gr 5
PDF 7p EN		77.120.60
Covers a grade of white metal designa Am 1(National), 2009-10-02	ated WM 80, according to its average ti	n content.
SANS 109:2009		
Ed 1 01 A4 75 EN		Cr. F
PDF 7p EN		77.120.60
Covers a grade of white metal designation Am 1(National), 2009-09-11	ated WM 84, according to its tin content	t.
SANS 110:2011 (SABS 110)		
Sealing compounds for the building	g industry, two-component, polysulp	hide base
Ed 1.04 A4 26p EN		Gr 9
Covers 2 types a pouring grade and a	a un grada. Paquiramante includo raci	91.100.50
peel, adhesion in peel after ultraviolet	radiation through glass, hardness, wea	ther resistance, packing and marking.
Am 1(National), 1976-08-01 Am 4(National), 2011-02-04	Am 2(National), 1977-06-01	Am 3(National), 1990-08-01
SANS 111:2009 / ISO 835:2007		
Laboratory glassware - Graduated p	pipettes	
Ed 1.00 A4 17p EN PDF 17p EN		Gr 8 17 060: 71 040 20
Specifies metrological and construction	nal requirements for graduated pipette	s.adequate for general laboratory purposes.
SANS 112:2009 / ISO 648:2008 (SABS ISO 648)	me ninettes	
Ed 2.00 A4 13p EN	ne pipettes	Gr 7
PDF 13p EN		71.040.20
Specifies metrological and construction marks, both of which are adequate for	nal requirements for volumetric pipette: general laboratory purposes.	s with one mark (total delivery) and for volumetric pipettes with two
SANS 113:1976 / ISO 383:1976 (201 (SABS ISO 383)	1-02-11)	
Laboratory glassware - Interchange	able conical ground joints	
Ed 1.00 A4 8p EN		Gr 7
Charifies the acceptial competition	iromanta far interabangaability in ralati	/1.040.20
Am 1(National), 2005-07-08	inements for interchangeability in relation	on to four series of conical ground glass joints for laboratory use.
SANS 114:1978 / ISO 384:1978 (201 (SABS ISO 384)	1-02-11)	
Laboratory glassware - Principles of	f design and construction of volume	etric glassware
Ed 1.00 A4 18p EN PDF 18p EN		Gr 9 71 040 20
Sets out principles for drawing up spe Am 1(National), 2005-08-05	cifications for articles of volumetric glas	ssware.
SANS 115:2009 / ISO 385:2005		
Laboratory glassware - Burettes		
Ed 1.00 A4 17p EN PDF 17p EN		Gr 8
Provides metrological and constructio	nal requirements for an internationally a	acceptable series of burettes, suitable for general laboratory purposes
	,	,

SANS 116:2007		
(SABS 116)		
Liquid antiseptics containing substit	uted phenolics	
PDF 13p EN		Gr 6 11.080.20
Specifies requirements for antiseptic liq emulsifying agent.	uids containing halogenated phenols	s (or other substituted phenols) with or without pine oil and an
Am 1(National), 2007-12-14		
SANS 117:1975 / ISO 1769:1975 (2011 (SABS ISO 1769)	-02-11)	
Laboratory glassware - Pipettes - Col	our coding	
Ed 1.00 A4 5p EN PDF 5p EN		Gr 4 71.040.20
Specifies a system of colour coding for nominal capacities and units of sub-divi Am 1(National), 2005-08-05	one-mark pipettes for identification c sion.	f nominal capacities, and for graduated pipettes for identification of
SANS 120:2009		
(SABS 120)		
Stemming for use in blasting		
Ed 2.00 A4 9p EN		Gr 5
		71.100.30
Covers stemming as used in blasting pr	ocedures, applies to all types of ster	nming products and provides for use in different environments.
SANS 121:2011 / ISO 1461:2009 (SABS ISO 1461)		
Hot dip galvanized coatings on fabric	ated iron and steel articles - Spec	ifications and test methods
Ed 2.00 A4 21p EN PDF 21p EN		Gr 9 25.220.40
Specifies the general properties of coati castings) in a zinc melt (containing not r	ngs and test methods for coatings a more than 2 % of other metals).	pplied by dipping fabricated iron and steel articles (including certain
SANS 122:2007 (2012-06-08) (SABS 122)		
Pressure-sensitive adhesive tapes fo	r electrical purposes (Metric units)
Ed 1.03 A4 35p EN	· · · · · · · · · · · · · · · · · · ·	, Gr 10
PDF 35p EN		29.035.20; 83.140.01
Covers two types of pressure-sensitive properties. The tapes have a base or ba plasticized and stabilized, and coated o preparation to effect application.	adhesive tapes for holding, binding a ucking consisting of an extensible film n one side with a non-corrosive pres	and insulating purposes that require tapes that have specific electrical n of polyvinyl chloride or a copolymer of polyvinyl chloride, suitably sure-sensitive adhesive that requires no heating, wetting, or other
Am 1(National), 2001-07-06	Am 2(National), 2002-06-21	Am 3(National), 2007-02-16
SANS 123:1981 / ISO 865:1981 (2012- (SABS ISO 865)	10-05)	
Slots in platens for projection weldin	g machines	
Ed 1.00 A4 4p EN		Gr 4
PDF 4p EN		25.160.30
Specifies requirements for dimensions, Am 1(National), 2006-09-15	pitch and location of T-slots on plate	ens for projection welding machines.
SANS 124:2009		
White metal designated WM 90		
		Gr 5
		//.120.60
Govers a grade of white metal designate Am 1(National), 2009-09-11	a wini 90, according to its average	in content.
SANS 125:1997 / ISO 925:1997 (2012- (SABS ISO 925)	03-23)	
Solid mineral fuels - Determination o	f carbonate carbon content - Grav	imetric method
Ed 1.00 A4 10p EN		Gr 6
PDF 10p EN		75.160.10
Specifies a gravimetric method of deter	mining the carbon in the mineral carl	conates associated with solid mineral fuels.

Am 1(National), 2006-06-30

SANS 126:1989 / ISO 924:1989 (2012-04-05) (SABS ISO 924)	
Coal preparation plant - Principles and conventions for flowsheets	
Ed 1.00 A4 10p EN PDF 10p EN	Gr 6 73.040; 73.120
Sets out principles and conventions for use in the preparation of basic process and Am 1(National), 2006-06-30	equipment flowsheets for the design of a coal preparation plant.
SANS 128:1998 / ISO 1042:1998 (2008-08-01) (SABS ISO 1042)	
Laboratory glassware - One-mark volumetric flasks	
Ed 2.00 A4 13p EN PDF 13p EN	Gr 8 17.060; 71.040.20
Specifies requirements for an internationally acceptable series of one-mark volume adjustment, volumetric accuracy and capacity are considered and the series of cap dimensions and inscription are defined.	tric flasks, suitable for general laboratory purposes. The basis of acities given. The limits of volumetric error, the construction and
SANS 130-1:2007 / ISO 1167-1:2006 (2012-06-15) Thermoplastics pipes, fittings and assemblies for the conveyance of fluids - I 1: General method	Determination of the resistance to internal pressure Part
Ed 1 00 A4 15p EN	Gr 8
PDF 15p EN	23,040,20: 23,040,45
Specifies a general test method for determining the resistance to internal hydrostat fittings and piping systems for the transport of fluids.	ic pressure at a given temparature of thermoplastics pipes,
SANS 131:2011 / ISO 1171:2010 (SABS ISO 1171)	
Solid mineral fuels - Determination of ash	
Ed 2.00 A4 11p EN	Gr 7
PDF 11p EN	75.160.10
Specifies a method for the determination of the ash of all solid mineral fuels.	
SANS 132:2009 / ISO 1170:2008 (SABS ISO 1170)	
Coal and coke - Calculation of analyses to different bases	
Ed 2.00 A4 12p EN PDF 12p FN	Gr / 75 100 10
Gives equations that allow analytical data relating to coal and coke to be expressed	l on various different bases in common use.
SANS 133:1993 / ISO 1213-1:1993 (2007-09-21)	
(SADS ISO 1213-1) Solid mineral fuels - Vocabulary Part 1: Terms relating to coal preparation	
Ed 1 00 A4 25n EN	Gr 10
PDF 25p EN	01.040.75; 75.160.10
Defines terms commonly employed in coal preparation. Am 1(National), 2007-09-21	
SANS 135:2011 / ISO 1456:2009 (SABS ISO 1456)	
Metallic and other inorganic coatings - Electrodeposited coatings of nickel, n plus nickel plus chromium	ickel plus chromium, copper plus nickel and of copper
Ed 3.00 A4 32p EN	Gr 11
PDF 32p EN	25.220.40
Specifies requirements for decorative nickel, nickel plus chromium, copper plus nic applied to iron, steel, zinc alloys, copper and copper alloys, and to aluminium and a enhanced corrossion resistance. It does not specify the surface condition required l applicable to coatings on sheet, strip or wire in the non-fabricated form or threaded	kel and copper plus nickel plus chromium coatings that are aluminium alloys, to provide an attractive appearance and by the basis metal prior to the coating process, and is not fasteners or coil springs.
SANS 136:2008 / ISO 1458:2002 (SABS ISO 1458)	
Metallic coatings - Electrodeposited coatings of nickel	
Ed 2.00 A4 22p EN	Gr 9
PDF 22p EN	25.220.40

Specifies requirements for decorative nickel electrodeposited coatings that are applied to iron and steel, to zinc alloys, to copper and copper alloys, and to aluminium and aluminium alloys to provide an attractive appearance and corrosion resistance. Several classes of coatings are provided that differ in thickness. Guidance is given in selecting the coating class appropriate to the service conditions to which the coated product will be exposed.

Standards South Africa Catalogue 2013 NUM - 17

SANS 137:2009	
(SABS 137)	
Ed 1 01 A4 20n EN	Gr 8
PDF 20p EN	25.160.50
Covers soft solders (in the form of wire or ribbon) containing one Am 1(National), 2009-02-20	or more cores of non-corrosive flux.
SANS 138:2009	
(SABS 138)	
Resin cored solders (highly activated)	
PDF 10p EN	25.160.50
Covers soft solders (in the form of wire or ribbon) containing one Am 1(National), 2009-02-20	or more cores of highly activated flux.
SANS 140-1:1997 / ISO 140-1:1997 (2010-11-12) (SABS ISO 140-1)	
Acoustics - Measurement of sound insulation in buildings ar with suppressed flanking transmission	nd of building elements Part 1: Requirements for laboratory test facilities
Ed 1.00 A4 26p EN	Gr 10
PDF 26p EN	91.120.20
Lays down specifications concerning laboratory test facilities for s facilities with suppressed radiation from flanking elements; and/o Am 1(International), 2005-04-01	sound insulation measurements of building elements. It applies to laboratory test r structural isolation between source and receiving rooms.
SANS 140-2:1991 / ISO 140-2:1991 (2012-08-17)	
(SABS ISO 140-2) Acoustics - Measurement of sound insulation in buildings an application of procision data	nd of building elements Part 2: Determination, verification and
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	91.120.20
Specifies procedures for assessing the uncertainty in the acousti identical adoption under the designation SANS 140-3) to ISO 140 Am 1(National), 2006-12-15 Cor 1(International), 2	cal measurements described in ISO 140-3 (published in South Africa as an)-9 due to random and systematic influences. 006-12-15
SANS 140-3:1995 / ISO 140-3:1995 (2010-11-12) (SABS ISO 140-3)	
Acoustics - Measurement of sound insulation in buildings ar sound insulation of building elements	nd of building elements Part 3: Laboratory measurements of airborne
Ed 1.00 A4 31p EN	Gr 11
PDF 31p EN	91.120.20
Specifies a laboratory method of measuring the airborne sound elements and façades, except those classified as small building Am 1(International), 2005-05-20	nsulation of building elements such as walls, floors, doors, windows, façade elements.
SANS 140-4:1998 / ISO 140-4:1998 (2012-08-17)	
(SABS ISO 140-4) Acoustics - Measurement of sound insulation in buildings ar insulation between rooms	nd of building elements Part 4: Field measurements of airborne sound
Ed 1.00 A4 29p EN	Gr 10
PDF 29p EN	91.120.20
Specifies field methods for measuring the airborne sound insulat sound field conditions in both rooms, and for determining the pro Am 1(National), 2006-12-01	on properties of interior walls, floors and doors between two rooms under diffuse tection afforded to the occupants of the building.
SANS 140-5:1998 / ISO 140-5:1998 (2012-08-17) (SABS ISO 140-5)	
Acoustics - Measurement of sound insulation in buildings an insulation of facade elements and facades	nd of building elements Part 5: Field measurements of airborne sound
Ed 1.00 A4 29p EN	Gr 10
PDF 29p EN	91.060.10; 91.120.20
Specifies two series of methods (element methods and global me whole facades, respectively. The element methods aim to estimate estimate the outdoor/indoor sound level difference under actual t	thods) for measurement of the airborne sound insulation of facade elements and the the sound reduction index of a facade element. The global methods aim to raffic conditions.

Am 1(National), 2006-12-01

SANS 140-7:1998 / ISO 140-7:1998 (2012-08-17) (SABS ISO 140-7) Acoustics - Measurement of sound insulation in buildings and of building elements Part 7: Field measurements of impact sound

insulation of floors		
Ed 1.00 A4 22p EN PDF 22p EN	Gr 9 91 060 30: 91 120 20	
Specifies field methods for measuring the impact sound insulation properties of building floors by using a standard tapping machine. It is applicable to bare floors and also to floors with coverings. The results obtained can be used to compare the impact sound insulation properties of floors and to compare the apparent impact sound insulation of floors with specified requirements. Am 1(National), 2006-12-01		
SANS 140-8:1997 / ISO 140-8:1997 (2006-12-01) (SABS ISO 140-8)		
Acoustics - Measurement of sound insulation in buildings and of building reduction of transmitted impact noise by floor coverings on a heavyweigh	elements Part 8: Laboratory measurements of the t standard floor	
Ed 1.00 A4 20p EN PDF 20p EN	Gr 10 91,120,20	
Specifies a method for measuring the acoustic properties of floor coverings from the view-point of reducing impact noise transmission. The purpose is to establish a method for determining the noise reducing value of a floor covering under standard test conditions. The test is limited to the specification of procedures for the physical measurement of sound originating from an artificial source (standard tapping machine) under laboratory conditions and is not directly related to the subjective significance of the results.		
SANS 140-11:2005 / ISO 140-11:2005 (2010-11-12) Acoustics - Measurement of sound insulation in buildings and of building reduction of transmitted impact sound by floor coverings on lightweight re	elements Part 11: Laboratory measurements of the eference floors	
Ed 1.00 A4 37p EN PDF 37p EN	Gr 11 91 120 20	
Specifies methods for measuring the acoustic properties of floor coverings from the viewpoint of reducing impact sound transmission. The purpose is to establish a method for determining the impact sound insulation of a floor covering under standard test conditions. The test is limited to the specification of procedures for the physical measurement of sound originating from an artificial impact source (tapping machine) under laboratory conditions and is not directly related to the subjective significance of results. This standard is applicable to all floor coverings, whether single or multi-layered, as installed on lightweight floors.		
SANS 140-14:2005 / ISO 140-14:2004 (2010-11-12) Acoustics - Measurement of sound insulation in buildings and of building field	elements Part 14: Guidelines for special situations in the	
Ed 1.00 A4 36p EN PDF 36p EN	Gr 11 91,120,20	
Concerns field measurements of airborne sound insulation and impact sound insulation, and is to be used as a supplement to SANS 140-4 and SANS 140-7. It contains guidelines on sound insulation measurements in special situations in the field not directly covered by SANS 140-4 and SANS 140-7.		
SANS 141:2006 (2012-12-14)		
Glass-reinforced polyester (GRP) laminates		
Ed 2.02 A4 50p EN	Gr 11	
PDF 50p EN	59.100.10	
Specifies the material requirements for 2 types of factory-made glass-reinforcedpressures not exceeding 100 kPa. Does not cover swimming pool shells.Am 1(National), 2001-09-17Am 2(National), 2006-10-13	I polyester (GRP) laminates produced by contact moulding at	
SANS 142:2012 (SABS 142)		
Narrow elastic fabrics and strip Ed 2.03 A4 14p EN PDF 14p EN	Gr 6 59.080.30	
Specifies performance requirements for narrow woven, knitted and braided elas Col 1(National), 1999-04-16 Am 1(National), 2001-06-25	tic fabrics and for narrow elastic in strip form. Am 2(National), 2012-05-10	
SANS 143:2007		
Lidocaine (lignocaine) hydrochloride and noradrenaline (norepinephrine) injection for dental use		
Ed 3.01 A4 12p EN	Gr 6	
PDF 12p EN	11.060.10; 11.120.10	
Specifies requirements for a sterile solution (in water for injections) of lidocaine dental use. Am 1(National), 2007-05-25	(lignocaine) hydrochloride and noradrenaline (norepinephrine) for	

Standards South Africa Catalogue 2013 NUM - 19

(SABS ISO 1463)	
Metallic and oxide coatings - Measurement of coating thickness - Microscop	ical method
Ed 2.00 A4 16p EN	Gr 8
PDF 16p EN	17.040.20
Describes a method for the measurement of thickness of metallic coatings, oxide microscopical examination of cross-sections using an optical microscope.	layers, and porcelain or vitreous enamel coatings, by
SANS 147:1986 / ISO 1763:1986 (2012-02-17) (SABS ISO 1763)	
Carpets - Determination of number of tufts and/or loops per unit length and	per unit area
Ed 1.00 A4 5p EN	Gr 5
	59.080.30
Specifies a method for the determination of the number of tufts or loops (or both) carpets the pile of which consists of uniformly spaced tufts or loops (or both). Am 1(National), 2006-04-07	per unit length and per unit area of a carpet, and applies to
SANS 148-1:2007 / ISO 148-1:2006	
Metallic materials - Charpy pendulum impact test Part 1: Test method	
Ed 1.00 A4 25p EN	Gr 10
	77.040.10
Specifies the Charpy pendulum impact test method for determining the energy ab	sorbed in an impact test of metallic materials.
SANS 148-2:2011 / ISO 148-2:2008 Metallic materials - Charpy pendulum impact test Part 2: Verification of testi	ng machines
Ed 1.00 A4 44p EN	Gr 12
PDF 44p EN	77.040.10
Covers the verification of the constructional elements of pendulum-type impact test strikers used for pendulum impact tests carried out, for instance, in accordance w under the designation SANS 148-1).	sting machines. Applicable to machines with 2 mm or 8 mm ith ISO 148-1 (published in South Africa as an identical adoption
SANS 149:2009	
Absorbent cotton wool and cotton-and-viscose wool products	
Ed 2.04 A4 11p EN	Gr 6
PDF 11p EN	11.040.30; 59.080.99
Specifies requirements for three types of cotton wool or cotton-and-viscose wool p swabs and suitable for hospital or domestic use.	products in the form of balls, compressed discs and compressed
Am 1(National), 1994-11-01 Am 2(National), 1999-11-19 Am 4(National), 2009-05-29 Am 2(National), 1999-11-19	Am 3(National), 2004-08-27
SANS 150:1986 / ISO 1765:1986 (2012-02-17) (SABS ISO 1765)	
Machine-made textile floor coverings - Determination of thickness	
Ed 1.00 A4 5p EN	Gr 5
PDF 5p EN	59.080.60
Specifies a basic method for the determination of the thickness of machine-made construction exist, these should be tested separately if possible. This method form coverings and the result of this test by itself cannot be used as an indication of the coverings. Am 1(National), 2006-04-07	textile floor coverings. Where areas of different thickness or as an integral part of other methods of test for textile floor e quality of the product. Applies to all machine-made textile floor
SANS 151:2012	
Fixed electric storage water heaters	
Ed 7.00 A4 54p EN	Gr 12
PDF 54p EN	91.140.65; 97.100.10
Specifies the characteristics of thermostatically controlled fixed electric storage was operation on a.c. supplies at voltages not exceeding 250 V for single phase and 4	ater heaters intended for indoor and outdoor domestic use and for 80 V for other appliances.

SANS 153:2012 (SABS 153) Electric stoves, cooking tops, ovens, Ed 4.09 A4 28p EN PDF 28p EN	grills, and similar appliances	Gr 9 97.040.20	
Covers constructional, electrical, and physical requirements for electric stoves, cooking tops, ovens (other than microwave ovens), grills, and similar appliances, whether built-in, fixed, stationary, or portable, operating at voltages up to and including 250 V single phase or up to and including 440 V three phase.			
Am 1(National), 1986-06-01 Am 4(National), 1994-06-01 Am 7(National), 1997-06-30	Am 2(National), 1989-02-01 Am 5(National), 1994-07-01 Am 8(National), 2006-08-18	Am 3(National), 1993-07-01 Am 6(National), 1996-05-13 Am 9(National), 2012-07-27	
SANS 154:2005 (2012-09-21) (SABS 154)			
Electric cooking plates and surface u	nit heaters		
Ed 3.03 A4 21p EN		Gr 8	
PDF 21p EN		97.040.20	
Specifies the characteristics of electric cooking plates of the enclosed and sheathed-element types, and surface unit heaters, for operation at voltages not exceeding 250 V to earth and intended for use in electric stoves, cooking tops and hot plates for culinary purposes. Covers circular cooking plates of diameter not less than 80 mm and not more than 220 mm, and rectangular cooking plates of longest length not less than 175 mm and not more than 225 mm.			
Am 1(National), 1996-05-13	Am 2(National), 1999-08-13	Am 3(National), 2005-04-08	
SANS 155:1999 / ISO 1766:1999 (2012 (SABS ISO 1766)	-02-17)		
Textile floor coverings - Determinatio	n of thickness of pile above the substr	rate	
Ed 1.00 A4 6p EN PDF 6p EN		Gr 5 59 080 60	
Specifies a method for the determination of the thickness of pile above the substrate of a textile floor covering. Applies to all textile floor coverings with pile capable of being shorn from the substrate, but not to textile floor coverings of varying pile thickness or density, unless the areas can be measured separately. Am 1(National), 2006-03-24			
SANS 156:2007 (SABS 156)			
Moulded-case circuit-breakers			
Ed 3.03 A4 42p EN PDF 42p EN		Gr 11 29.120.50	
Covers single-pole and multi-pole air-break circuit-breakers, assembled as an integral unit in a supporting and enclosing moulded case of insulating materials, for current ratings up to and including 1 000 A and for alternating voltages up to and including 660 V and direct voltages up to and including 600 V.			
Am 1(National), 1987-03-01	Am 2(National), 2000-06-09	Am 3(National), 2007-09-28	
SANS 158:2012 (SABS 158)			
Electrical appliances for heating liqui	ds		
Ed 4.05 A4 11p EN PDE 11p EN		Gr 6	
		97.040.50; 97.100.10	
Specifies the constructional and perform applicable to electric ironing machines.	nance requirements for hand-held electric	frons that are intended for household or similar use. Not	
Am 1(National), 1994-11-01 Am 4(National), 2003-06-20	Am 2(National), 1995-11-27 Am 5(National), 2012-11-30	Am 3(National), 2000-05-11	
SANS 159:2012 (SABS 159)			
Electric irons for household or simila	r use		
Ed 3.02 A4 10p EN PDF 10p EN		Gr 5 97.060	
Specifies the constructional and perform	nance requirements for hand-held electric	irons that are intended for household or similar use. Not	
applicable to electric ironing machines. Am 1(National), 2006-03-10	Am 2(National), 2012-11-30		

NUMERICAL LIST OF STANDARDS		
SANS 160:2008 (SABS 160) Electric room heaters Ed 3.05 A4 9p EN PDF 9p EN	Gr 5 97.100.10	
Specifies the characteristics of electric room heaters of the portable and fixed typeAm 1(National), 1996-05-13Am 2(National), 1999-06-25Am 4(National), 2006-09-15Am 5(National), 2008-06-27	s. Am 3(National), 2000-05-11	
SANS 161-1:1995 / ISO 1873-1:1995 (2012-06-15) (SABS ISO 1873-1) Plastics - Polypropylene (PP) moulding and extrusion materials Part 1: Desig Ed 1.00 A4 11p EN PDF 11p EN	nation system and basis for specifications Gr 7 83 080 20	
Establishes a system of designation for polypropylene (PP) thermoplastic material, to all propylene homopolymers, to copolymers of propylene with a content of other containing at least 50 % (m/m) of aforementioned polymers. Am 1(National), 2007-02-23	, which may be used as the basis for specifications. Is applicable 1-olefins of less than 50 % (m/m), and to blends of polymers	
SANS 161-2:1997 / ISO 1873-2:1997 (2007-02-23) (SABS ISO 1873-2) Plastics - Polypropylene (PP) moulding and extrusion materials Part 2: Prepa Ed 1.00 A4 10p EN PDF 10p EN	ration of test specimens and determination of properties Gr 8 83.080.20	
Specifies the methods of preparation of test specimens and the test methods to be extrusion materials. Gives requirements for handling test material and for condition before testing.Am 1(International), 2002-03-08Am 1(National), 2007-02-23	e used in determining the properties of PP moulding and ing both the test material before moulding and the specimens	
SANS 162:2008 / ISO 10286:2007 (SABS ISO 10286) Gas cylinders - Terminology Ed 3.00 A4 43p EN	Gr 12	
PDF 43p EN Establishes the terminology used in the field of gas cylinders. Also gives definitions	01.040.23; 23.020.30 s relating to pressures and gases.	
SANS 163-1:1992 / ISO 10304-1:1992 (2006-11-17) (SABS ISO 10304-1) Water quality - Determination of dissolved fluoride, chloride, nitrite, orthopho chromatography of ions Part 1: Method for water with low contamination Ed 1.00 A4 17p EN PDF 17p EN	Gr 9	
Specifies a method for the determination of fluoride, chloride, nitrite, orthophospha Am 1(National), 2006-11-17	te, bromide, nitrate and sulfate in water with low contamination.	
SANS 163-2:1995 / ISO 10304-2:1995 (2006-11-17) (SABS ISO 10304-2) Water quality - Determination of dissolved anions by liquid chromatography on intrate, nitrite, orthophosphate and sulfate in waste water Ed 1.00 A4 23p EN	of ions Part 2: Determination of bromide, chloride, Gr 10	
PDF 23p EN Specifies a method for the determination of the dissolved anions bromide, chloride Am 1(National), 2006-11-17	13.060.50 , nitrate, nitrite, orthophosphate and sulfate in waste water.	
SANS 164-0:2012 Plug and socket-outlet systems for household and similar purposes for use i Ed 1.02 A4 8p EN PDF 8p EN	n South Africa Part 0: General and safety requirements Gr 5 29.120.30	
Covers specific requirements for plugs, fixed or portable socket-outlets and socket current not exceeding 16 A and a rated voltage not exceeding 250 V, intended for I South Africa. Am 1(National), 2007-11-30 Am 2(National), 2012-05-25	-outlet adaptors, with or without earthing contact, with a rated household and similar purposes either indoors or outdoors in	

Standards South Africa Catalogue 2013 NUM - 22
SANS 164-1:2012 (SABS 164-1) Plug and socket-outlet systems for he	ousehold and similar purposes for use	n South Africa Part 1: Conventional system, 16 A 250 V
		0.7
PDF 18p EN		Gr / 29 120 30
Covers the rating and dimensions of cor similar purposes, for use in South Africa	nventional 16 A 250 V a.c. plug and socke I.	et-outlet system and socket-outlet adaptors for household and
Am 1(National), 2007-11-30	Am 2(National), 2012-12-14	
SANS 164-2:2012 (SABS 164-2)		
Plug and socket-outlet systems for he	ousehold and similar purposes for use	in South Africa Part 2: IEC system, 16 A 250 V a.c.
Ed 3.01 A4 23p EN PDF 23p EN		Gr 9 29 120 30
Covers the rating and dimensions of the purposes, for use in South Africa. Am 1(National), 2012-04-20	IEC 16 A 250 V a.c. plug and socket-out	let system and socket-outlet adaptors for household and similar
SANS 164-3:2013 Plug and socket-outlet systems for he a.c.	ousehold and similar purposes for use	e in South Africa Part 3: Conventional system, 6 A 250 V
Ed 1.02 A4 18p EN		Gr 7
		29.120.30
Covers the rating and dimensions of the similar purposes, for use in South Africa Am 1(National), 2007-11-30	conventional 6 A 250 V a.c. plug and so l. Am 2(National), 2013-03-15	cket-outlet system and socket-outlet adaptors for household and
SANS 164-4-2013		
Plug and socket-outlet systems for he	ousehold and similar purposes for use	in South Africa Part 4: Dedicated system, 16 A 250 V a.c.
Ed 1.02 A4 24p EN		Gr 9
PDF 24p EN		29.120.30
Covers the rating and dimensions of the system, having a nominal voltage of 250 Am 1(National), 2007-11-30	 16 A dedicated plug and socket-outlet sy V a.c. in household and similar applicati Am 2(National), 2013-03-15 	vstem for the connection of equipment to a dedicated supply ons in South Africa.
SANS 164-5:2007 (2012-05-10)		
Plug and socket-outlet systems for he A 250 V a.c., with cord, for connection	ousehold and similar purposes for use n of class II equipment	in South Africa Part 5: Two-pole, non-rewirable plugs, 2,5
Ed 1.01 A4 7p EN		Gr 5
Covers the rating and dimensions of two	a note non rewireble pluge reted at 2 E A	29.120.30
and similar purposes, for use in South A Am 1(National), 2007-11-30	frica.	220 V a.c., for connection of class if equipment for household
SANS 164-6:2010 Plug and socket-outlet systems for he for connection of class II equipment	ousehold and similar purposes for use	in South Africa Part 6: Two-pole systems, 16 A 250 V a.c.,
Ed 1.03 A4 14p EN		Gr 6
PDF 14p EN		29.120.30
Covers the rating and dimensions of two equipment for household and similar pu	p-pole plugs and socket-outlets, rated at 1 rposes in South Africa.	6 A 250 V a.c., without earthing contact, for connection of class II
Am ((National), 2000-07-11	AIII 2(National), 2003-10-03	Am Sinalional), 2010-12-09
SANS 169:2006 (2011-08-15) (SABS SM 184)		
Free alkali content and free acid cont	ent of light coloured soap products	
Ed 2.00 A4 5p EN		Gr 4
PDF 5p EN		71.100.40
Specifies a method for the determination	n of the free alkali content and free acid c	ontent of light coloured soap products.

SANS 171:2009 (SABS SM 552) Glassware and equipment for microbiological tests	
Ed 2.01 A4 6p EN	Gr 4
PDF 6p EN	07.100.10; 71.040.10
Specifies glassware and equipment for microbiological tests in cases where the ite might influence the results of the tests. Am 1(National), 2009-11-06	ems are available in different types and where the choice of type
SANS 174:1992 / ISO 1513:1992 (2007-06-29)	
(SABS ISO 1513)	
Paints and varnishes - Examination and preparation of samples for testing	
Ed 1.00 A4 9p EN PDE 9n FN	Gr /
Deals with the sampling and testing of paints, varnishes and related products. Spe sample as received for testing, and the procedure for preparing a test sample by b consignment or bulk of paint, varnish or related product, the samples of the produ 1512.	ecifies both the procedure for preliminary examination of a single blending and reduction of a series of samples representative of a ct to be tested having been taken in accordance with SABS ISO
Cor 1(International), 2002-05-23 Am 1(National), 2007-06-29	
SANS 175:2006 / ISO 1514:2004 (2012-03-02) (SABS ISO 1514)	
Paints and varnishes - Standard panels for testing	
Ed 2.00 A4 25p EN	Gr 10
	87.040
Specifies several types of standard panel and describes procedures for their prepageneral methods of test for paints, varnishes and related products.	aration before painting. These standard panels are for use in
SANS 176:1973 / ISO 1517:1973 (2006-07-21) (SABS ISO 1517)	
Paints and varnishes - Surface-drying test - Ballotini method	
PDF 6p EN	Gr / 87.040
Specifies a method for determining the surface-drying characteristics of a coating chemical reaction of its components. Not intended to apply to stoving products. Am 1(National), 2006-07-21	of a paint or varnish which dries by the action of air or by
SANS 177:2004 / ISO 1519:2002 (2009-03-13) (SABS ISO 1519)	
Paints and varnishes - Bend test (cylindrical mandrel)	
Ed 2.00 A4 14p EN	Gr 7
PDF 14p EN	87.040
Specifies an empirical test procedure for assessing the resistance of a coating of metal substrate (or both), when subjected to bending round a cylindrical mandrel u	paint, varnish or related product to cracking or detachment from a under standard conditions.
SANS 178:2006 / ISO 1524:2000 (2012-06-15) (SABS ISO 1524)	
Paints, varnishes and printing inks - Determination of fineness of grind	0.7
Ed 2.00 A4 11p EN PDF 11p EN	Gr / 97.040
Specifical a method for determining the finances of grind of points, inke and relate	07.040
Specifies a method for determining the interiess of grind of paints, links and related	a products by use of a suitable gauge, graduated in micrometres.
SANS 179:2007 (SABS 179) Mutter slath	
Ed 2.01 A4 10p EN	Gr 5
PDF 10p EN	59.080.30
Covers two types, each comprised of two classes of mutton cloth suitable for use Am 1(National), 2007-05-25	in cleaning and for use in covering carcasses.
SANS 180.2004 (2009-04-09)	
(SABS 180)	
Primary cells and batteries	
Ed 3.01 A4 7p EN	Gr 5
PDF /p EN	29.220.10

Specifies requirements for primary cells and batteries based on any electrochemical system. Am 1(National), 2004-12-03

Standards South Africa Catalogue 2013 NUM - 24

SANS 181:2004		
Thermostats for electric storage wate	r heaters	
Ed 3.00 A4 13p EN		Gr 6
PDF 13p EN		17.200.20; 91.140.65
Covers stem type and externally mounted heaters. They are provided with over-ten and current ratings not exceeding 30 A.	ed type thermostats of the air-break typ nperature protective devices and are in	e for use in thermostatically controlled electric storage water tended for use in circuits at voltages not exceeding 250 V to earth
SANS 182-1:2008 (SABS 182-1)		
Conductors for overhead electrical tra	ansmission lines Part 1: Copper wire	s and stranded copper conductors
Ed 1.02 A4 18p EN		Gr 7
PDF 18p EN		29.240.20
Covers uninsulated, non-alloyed copper overhead transmission lines and overhead Am 1(National), 2001-05-25	(in the annealed or in the hard-drawn c ad service connectors. Am 2(National), 2008-09-19	ondition) in the form of single wires and stranded conductors for
SANS 182-2:2008		
Conductors for overhead electrical tra	ansmission lines Part 2: Stranded al	uminium conductors
Ed 1.04 A4 15p EN		Gr 7
PDF 15p EN		29.240.20
Covers material and constructional requi Am 1(National), 1980-02-01 Am 4(National), 2008-05-09	irements for uninsulated, stranded hard Am 2(National), 1980-05-01	-drawn aluminium conductors for overhead transmission lines. Am 3(National), 2001-06-25
SANS 182-3-2003 (2000-05-22)		
(SABS 182-3)		
Conductors for overhead electrical tra	ansmission lines Part 3: Aluminium o	conductors, steel reinforced
Ed 1.05 A4 18p EN		Gr 7
PDF 18p EN		29.240.20
Applies to uninsulated stranded hard-dra Am 1(National), 1978-08-01 Am 4(National), 2001-08-08	awn aluminium conductors, steel reinfor Am 2(National), 1980-02-01 Am 5(National), 2003-05-16	rced, for overhead transmission lines. Am 3(National), 1990-02-01
SANS 182-4:2008		
(SABS 182-4)		
Conductors for overhead electrical tra	ansmission lines Part 4: Copper-cove	ered steel wire for telecommunication purposes
Ed 1.02 A4 13p EN		Gr 6
PDF 13p EN		29.240.20
Applies to copper-covered steel wire in the overhead transmission lines for use in terms of the transmission lines for use in the transmission	he form of single wires of 30 % and 40 elecommunication.	% nominal conductivity, and three grades of breaking strength, for
Am I(National), 2001-08-08	Am 2(National), 2008-09-19	
SANS 182-5:2008 (SABS 182-5)		
Conductors for overhead electrical tra	ansmission lines Part 5: Zinc-coated	steel wires for conductors and stays
Ed 1.03 A4 20p EN PDF 20p EN		Gr 8
	in the former of strade where and strain	
wires, stay wires, earth conductors and b Am 1(National), 1990-02-01	pinding and jointing wires. Am 2(National), 2001-04-06	Am 3(National), 2008-09-19
SANS 183-2011	-	
(SABS 183)		
The production of sorghum beer		
Ed 2.02 A4 22p EN		Gr 8
PDF 22p EN		67.160.10
Covers the production and quality of sore Am 1(National), 2007-07-06	ghum beer. Am 2(National), 2011-11-18	

SANS 184:1973 (1999-02-19) (SABS SM 667) The determination of peeling load of c	lirect moulded footwear	
Ed 1 00 A5 th EN Loose-leaf		Gr 1
PDF 1p EN		61.060
Specifies a method for the determination	of the peeling load of direct moulded fo	otwear.
SANS 185:2013 (SABS 185)		
Immersion-type heating units for elec-	trical appliances	
Ed 3.03 A4 29p EN PDF 29p EN		Gr 9 97.100.10
Specifies requirements for five types of r water or non-corrosive aqueous solution:	eplaceable immersion-type heating units s at d.c. voltages of not less than 42 V a	s intended for use in portable electrical appliances for heating nd at a.c. voltages of not more than 240 V per phase to earth and
Am 1(National), 1996-03-25	Am 2(National), 2005-12-23	Am 3(National), 2013-02-22
SANS 186:2003 (2013-03-15) (SABS 186)		
Energy regulators for electric heating	units	
Ed 3.01 A4 11p EN		Gr 6
PDF 11p EN		29.120.50; 97.100.01
Specifies requirements for energy regula have rated currents not exceeding 20 A 0,95 at voltages between 220 V and 250	tors for electric heating units for househ and that are suitable for use in a.c. circu V between phase and neutral conducto	old and similar use. Covers class I and class II regulators that its for substantially resistive loads with a power factor not less than rs.
Am 1(National), 2003-04-04		
SANS 187:2007 (2012-06-29) (SABS 187)		
Butyl rubber sheet (for waterproofing)		
Ed 1.03 A4 11p EN PDF 11p EN		Gr 6 83.140.10; 91.120.30
Covers butyl rubber sheet intended for the waterproofing of buildings. Gives require dimensional stability, water absorption a	ne lining of canals and dams, for the colle ments for workmanship, dimensions, res nd ageing characteristics.	ection, conveyance and storage of water, and for the sistance to ozone, tensile stress-strain properties, tear strength,
Am 1(National), 1973-08-01	Am 2(National), 1984-06-01	Am 3(National), 2007-03-16
SANS 189:2010 (SABS 189)		
Short-link steel chain (medium-tolera	nce)	
Ed 4.02 A4 21p EN		Gr 8
		53.020.30
strength grades 4, 5, 6 and 8.	y welded medium-tolerance short-link st	eel chain ranging in size from 4 mm to 50 mm (inclusive), of
Am 1(National), 2006-12-08	Am 2(National), 2010-12-09	
SANS 190-1:2008		
(SABS 190-1) Expanded motel Port 1: Sheete and pl	ataa	
Expanded metal Part 1. Sheets and pi	ales	Gr 6
PDF 13p EN		77.140.50
Covers expanded metal sheets or plates Am 1(National), 2008-01-25	for general use.	
SANS 190-2:2008 (SABS 190-2)		
Expanded metal Part 2: Building prod	ucts	
Ed 1.02 A4 12p EN		Gr 6
PDF 12p EN		77.140.50
Covers 8 types of building product made Am 1(National), 1988-08-01	from expanded metal and intended for a Am 2(National), 2008-01-25	use as a plaster base or as a reinforcing medium for brickwork.

SANS 191:2011 (SABS 191) Cast steel gate valves Ed 2.02 A4 11p EN PDF 11p EN	Gr 6 23.060.30: 77.140.80
Covers material and constructional requirements for flanged cast steel gate valves mm nominal bore), intended for use in waterworks, mining, and industrial application and the temperature of the fluid will not exceed 50 °C).	with rising or non-rising spindles (of size up to and including 350 ons (in which the pressure difference will not exceed 2,5 MPa
SANS 192:2010 (SABS SM 822) Pesticides: Biological evaluation of the efficacy and toxicity of molluscicides Ed 2.00 A4 10p EN PDF 10p EN	Gr 5
Specifies testing methods for the biological evaluation of the efficacy and toxicity o	f molluscicides against common garden snails and slugs.
SANS 193:2004 (SABS 193) Fire dampers Ed 2 01 A4 16p EN	Gr 7
PDF 16p EN	13,220,10
Specifies requirements for fire dampers and test methods for the determination of t gases at high temperatures. Am 1(National), 2004-04-23	the resistance of fire dampers to fires and to the passage of
SANS 195:2006 (2012-04-26) (SABS SM 827) Sampling of aggregates	
Ed 2.01 A4 5p EN	Gr 4
PDF 5p EN	91.100.15
Describes methods to determine the sampling of aggregates. Am 1(National), 2006-08-25	
SANS 196:2007 (SABS 196)	
Orthopaedic padding	
Ed 3.00 A4 10p EN PDF 10p EN	Gr 5 11.040.30; 59.080.99
Specifies requirements for five types of orthopaedic padding.	
SANS 197:2006 (2012-03-23) (SABS SM 828)	
Preparation of test samples of aggregates	
Ed 2.01 A4 2p EN	Gr 2
PDF 2p EN	91.100.15
Describes a method for the preparation of test sample of aggregates. Am 1(National), 2006-09-15	
SANS 198:2012 (SABS 198)	
Functional-control valves and safety valves for domestic hot and cold water s Ed 5.01 A4 20p EN PDF 20p EN	supply systems Gr 8 23.060.40
Specifies the characteristics of functional-control valves and safety valves of size n and cold water supply systems and suitable for static inlet pressures of up to 2 000 Am 1(National), 2012-03-16	not exceeding 25 mm for use in conjunction with domestic hot) kPa and nominal working pressures of up to 600 kPa.
SANS 199:2009	
(SABS 199)	
Shut-off valves for refillable liquefied petroleum gas cylinders	
Ed 2.00 A4 27p EN	Gr 9
	23.060.40
Specifies requirements for design, specification and type testing of dedicated LPG LPG cylinders from 0,5 L up to 150 L water capacity.Includes references to associa fixed automotive installations.	cylinder valves specifically for use with transportable refillable ated equipment for vapour or liquid service.Does not apply to

SANS 200:2008 (SABS 200) Copper alloy ingots and castings		0- 11
PDF 41p EN		77.120.30
Covers 39 copper alloys in the form of in physical requirements are specified when Am 1(National), 1983-03-01	gots for remelting or in the form of cast re relevant, and the suitability of each a Am 2(National), 1983-11-01	ings. The composition of the alloys is laid down, mechanical and Illoy for 4 casting processes is indicated. Am 3(National), 2008-11-21
SANS 201:2008 (SABS SM 829)		
Sieve analysis, fines content and dust	content of aggregates	
Ed 2.02 A4 15p EN		Gr 7
PDF 15p EN		91.100.15
Specifies a method for determining the p and correct use of sieves is also describe	article size distribution of coarse and fi ed.	ne aggregates down to 75 um, by means of sieving. The handling
Am 1(National), 2002-03-25	Am 2(National), 2008-02-15	
SANS 202:2006 (2012-07-27) (SABS SM 830)		
Chloride content of aggregates		
Ed 2.00 A4 4p EN		Gr 3
Specifies a method for the determination	of the oblogide content of aggregates	91.100.15
specifies a method for the determination	of the chloride content of aggregates.	
SANS 203:2007 (SABS SM 1158)		
Bactericidal and algaecidal efficacy of	swimming pool chemicals	
Ed 2.00 A4 10p EN		Gr 5
PDF TOP EN		07.100.20; 13.060.70
Specifies a presumptive test for the evaluation both) in swimming pool water.	uation of the efficacy of swimming pool	chemicals recommended for the control of bacteria or algae (or
SANS 204:2011		
Energy efficiency in buildings		
Ed 1.00 A4 63p EN		Gr 14
Specifies the design requirements for en	ergy efficiency in buildings and of servi	91.140.01; 91.140.10 ces in buildings with natural environmental control and artificial
ventilation or air conditioning systems.		
SANS 205:2009 / ISO 6118:2006 Road vehicles - Elastomeric cups and fluid (service temperature 70 °C max)	seals for cylinders for hydraulic bra	king systems using a non-petroleum base hydraulic brake
Ed 2.00 A4.21p EN		Gr 9
PDF 21p EN		43.040.40
Specifies performance tests of brake cup	os and seals for hydraulic braking syste	ms for road vehicles.
SANS 206:2009 / ISO 6119:2006 Road vehicles - Elastomeric seals for temperature 120 °C max.)	hydraulic disc brake cylinders using	a non-petroleum base hydraulic brake fluid (Service
Ed 2.00 A4 15p EN		Gr 8
PDF 15p EN		43.040.40
Specifies the performance test methods	and requirements for elastomeric seals	s used in road vehicle disc cylinders.
SANS 207:2011		
The design and construction of reinfo	rced soils and fills	
Ed 1.01 A4 243p EN PDF 243p FN		Gr 19
Gives guidelines and recommendations f	or the application of reinforcement tech	93.U2U

Gives guidelines and recommendations for the application of reinforcement techniques to soils and to other fills. It is written in a limit state format and guidelines for safety margins are provided in terms of partial material factors and load factors for various applications and design lives. Am 1(National), 2011-08-19

SANS 208:2012	seed natural das (CNG) vehicle filling s	stations
Ed 1.01 A4 43p EN PDF 43p EN		Gr 11 75.060
Covers the design and installation of com to filling stations (having fast-fill or slow-fi Am 1(National), 2012-03-02	pressed natural gas (CNG) vehicle filling I fuel dispensers or both) supplied with n	stations operating at pressures not exceeding 300 bar. It applies ormally distributed natural gas.
SANS 211:2010 / CISPR 11:2010 (SABS CISPR 11)	mont - Padio fraguonov dicturbanco o	baractoristics - Limits and mothods of massurament
Ed 4.01 A4 55p EN PDF 55p EN		Gr 16 33.100.10
Applies to industrial, scientific and medica appliances designed to generate and/or u disturbances in the frequency range of 9 Am 1(International), 2010-06-17	al electrical equipment operating in the front se locally radio-frequency energy. Cover kHz to 400 GHz.	equency range 0 Hz to 400 GHz and to domestic and similar s emission requirements related to radio-frequency (RF)
SANS 212:2009 / CISPR 12:2009 (SABS CISPR 12)	on onginon. Podio disturbance obere	otoxistics Limits and matheds of massurement for the
protection of off-board receivers	on engines - hadio disturbance chara	Gr 13
PDF 56p EN		33.100.01
Gives limits that are designed to provide residential environment. Am 1(International), 2009-05-08	protection for broadcast receivers in the f	requency range of 30 MHz to 1 000 MHz when used in the
SANS 213:2011 / CISPR 13:2009 (SABS CISPR 13) Sound and television broadcast receiv measurement	ers and associated equipment - Radio	disturbance characteristics - Limits and methods of
Ed 4.00 A4 44p EN PDF 44p EN		Gr 12 33.100.10
Applies to the generation of electromagne and from associated equipment. Specifies kHz to 400 GHz.	etic energy from sound and television rec s limits for the control of disturbance from	eivers for the reception of broadcast and similar transmissions a such equipment. The frequency range covered extends from 9
SANS 214-1:2009 / CISPR 14-1:2009 (20 (SABS CISPR 14-1))12-04-05)	
Electromagnetic compatibility - Requir Ed 3.01 A4 78p EN PDF 78p EN	ements for household appliances, ele	ctric tools and similar apparatus Part 1: Emission Gr 14 33.100.10
Applies to the conduction and the radiatic switching or regulating devices, unless th Am 1(International), 2009-06-12	n of radio-frequency disturbances from a e r.f. energy is intentionally generated or Am 2(International), 2012-04-05	ppliances whose main functions are performed by motors and intended for illumination.
SANS 214-2:2009 / CISPR 14-2:2008 (SABS CISPB 14-2)		
Electromagnetic compatibility - Requir Product family standard	ements for household appliances, electronic strains and the second strains and the se	ctric tools and similar apparatus Part 2: Immunity -
PDF 21p EN		33.100.20
Deals with the electromagnetic immunity electric toys and electric tools, the rated v and neutral, and 480 V for other apparatu Am 1(International), 2002-03-01	of appliances and similar apparatus for h roltage of the apparatus being not more t s. Immunity requirements in the frequenc Am 2(International), 2009-05-08	ousehold and similar purposes that use electricity, as well as han 250 V for single-phase apparatus to be connected to phase cy range 0 Hz to 400 Hz are covered.
SANS 215:2009 / CISPR 15:2009 (SABS CISPR 15) Limits and methods of measurement of Ed 4.02 A4 52p EN PDF 52p EN	f radio disturbance characteristics of	electrical lighting and similar equipment Gr 13
Applies to the emission (radiated and con and/or distributing light intended for illumi	ducted) of radiofrequency disturbances f nation purposes, and intended either for	rom all lighting equipment with a primary function of generating connection to the low voltage electricity supply or for battery
Am 1(International), 2007-04-13	Am 2(International), 2009-05-15	

SANS 216-1-1:2011 / CISPB 16-1-1:20	10	
Specification for radio disturbance at measuring apparatus - Measuring apparatus	nd immunity measuring apparatus and paratus	methods Part 1-1: Radio disturbance and immunity
Ed 3.01 A4 80p EN PDF 80p EN		Gr 16 17.220.20: 33.100.01
Specifies the characteristics and perform Requirements are also provided for spe this standard refers to both EMI receive	nance of equipment for the measuremen cialized equipment for discontinuous dist rs and spectrum analyzers.	t of radio disturbance in the frequency range 9 kHz to 18 GHz. urbance measurements. The term "measuring receiver" used in
Am 1(International), 2011-05-27	Cor 1(International), 2011-05-27	
SANS 216-1-2:2007 / CISPR 16-1-2:20 Specification for radio disturbance as measuring apparatus - Ancillary equi	06 (2009-05-08) nd immunity measuring apparatus and pment - Conducted disturbances	methods Part 1-2: Radio disturbance and immunity
Ed 1.02 A4 78p EN PDF 78p EN		Gr 14 17.220.20: 33.100.20
Specifies the characteristics and perform 9 kHz to 1 GHz. Specifications for ancill current injection on cables.	nance of equipment for the measuremen ary apparatus are included for artificial m	t of radio disturbance voltages and currents in the frequency range ains networks, current and voltage probes and coupling units for
Am 1(International), 2004-10-01	Am 2(International), 2007-04-13	Cor 1(International), 2009-05-08
SANS 216-1-3:2005 / CISPR 16-1-3:20 Specification for radio disturbance as measuring apparatus - Ancillary equi Ed 2.00 A4 33p EN	04 (2011-03-04) nd immunity measuring apparatus and pment - Disturbance power	methods Part 1-3: Radio disturbance and immunity
PDF 33p EN		17.220.20; 33.100.20
Is designated a basic standard, which s power in the frequency range 30 MHz to Cor 1(International), 2006-09-01	pecifies the characteristics and calibration 1 GHz.	n of the absorbing clamp for the measurement of radio disturbance
SANS 216-1-4:2010 / CISPR 16-1-4:20 Specification for radio disturbance at measuring apparatus - Antennas and	10 (2011-04-08) nd immunity measuring apparatus and test sites for radiated disturbance me	methods Part 1-4: Radio disturbance and immunity asurements
PDF 103p EN		17.220.20; 33.100.20
Specifies the characteristics and perform Specifications for antennas and test site Cor 1(International), 2011-04-08	mance of equipment for the measuremen as are included.	t of radiated disturbances in the frequency range 9 kHz to 18 GHz.
SANS 216-1-5:2004 / CISPR 16-1-5:20 Specification for radio disturbance at measuring apparatus - Antenna calib Ed 1.00 A4 52p EN PDF 52p EN	03 (2009-11-20) nd immunity measuring apparatus and ration test sites for 30 MHz to 1 000 MI	methods Part 1-5: Radio disturbance and immunity Hz Gr 13 17.220.20; 33.100.20
Specifies the requirements for calibration site verification procedure and site comp theory of antennas and site attenuation	n test sites, used to perform antenna cali oliance criteria. Further information on ca is provided in informative annexes.	brations, as well as the test antenna characteristics, calibration libration site requirements, test antenna considerations and the
SANS 216-2-1:2011 / CISPR 16-2-1:20 Specification for radio disturbance and disturbances and immunity - Conduct Ed 2.01 A4 80p EN	10 nd immunity measuring apparatus and ted disturbance measurements	methods Part 2-1: Methods of measurement of Gr 15
PDF 80p EN		17.220.20; 33.100.01
Specifies the methods of measurement disturbance phenomena in the frequence Am 1(International), 2011-03-18	of disturbance phenomena in general in y range 9 kHz to 30 MHz.	the frequency range 9 kHz to 18 GHz and especially of conducted
SANS 216-2-2:2010 / CISPR 16-2-2:20 Specification for radio disturbance and disturbances and immunity - Measure	10 nd immunity measuring apparatus and ement of disturbance power	methods Part 2-2: Methods of measurement of
Ed 2.00 A4 47p EN		Gr 13
PDF 47p EN		17.220.20; 33.100.20
Specifies the methods of measurement	of disturbance power using the absorbing	g clamp in the frequency range 30 MHz to 1 000 MHz.

Gr 19

17.220.20; 33.100.20

SANS 216-2-3:2011 / CISPR 16-2-3:2010
Specification for radio disturbance and immunity measuring apparatus and methods Part 2-3: Methods of measurement of
disturbances and immunity - Radiated disturbance measurements

Ed 3.01 A4 97p EN PDF 97p EN

Specifies the methods of measurement of radiated disturbance phenomena in the frequency range 9 kHz to 18 GHz. Am 1(International), 2011-02-24

SANS 216-2-4:2004 / CISPR 16-2-4:2003 (2009-11-20) Specification for radio disturbance and immunity measuring apparatus and methods Part 2-4: Methods of measurement of

disturbances and immunity - Immunity measurements Ed 1.00 A4 25p EN Gr 10 PDF 25p EN 17.220.20: 33.100.20

Specifies the methods of measurement of immunity to EMC phenomena in the frequency range 9 kHz to 18 GHz.

SANS 216-3:2010 / CISPR/TR 16-3:2010 Specification for radio disturbance and immunity measuring apparatus and methods Part 3: CISPR technical reports

SANS 21	6-4-1:2009 / CISPB/TB 16-4-1:2009			
Contains specific technical reports and information on the history of CISPR. Over the years, the CISPR prepared a number of recommendation and reports that have significant technical merit but were not generally available.				
	PDF 261p EN			33.100.20
Ed 2.00	A4 261p EN			Gr 23
			• • • •	•

Specification for radio disturbance and immunity measuring apparatus and methods Part 4-1: Uncertainties, statistics and limit modelling - Uncertainties in standardized EMC tests Gr 17

Ed 2.00 A4 118p EN PDF 118p EN

Gives guidance on the treatment of uncertainties to those who are involved in the development or modification of CISPR electromagnetic compatibility (EMC) standards. In addition, useful background information is provided for those who apply the standards and the uncertainty aspects in practice. This part is limited to all the relevant uncertainty considerations of a standardized EMC compliance test.

SANS 216-4-2:2012 / CISPR 16-4-2:2011

Specification for radio disturbance and immunity measuring apparatus and methods Part 4-2: Uncertainties, statistics and limit			
modellin	g - Measurement instrumentation uncertainty		
Ed 2.00	A4 59p EN	Gr 13	
	PDF 59p EN	17.220.20; 33.100.20	
~			

Specifies the method of applying measurement instrumentation uncertainty (MIU) when determining compliance with CISPR disturbance limits. The material is also relevant to any EMC test when interpretation of the results and conclusions reached will be impacted by the uncertainty of the measurement instrumentation used during testing.

SANS 216-4-3:2007 / CISPR/TR 16-4-3:2007

Specification for radio disturbance and immunity measuring apparatus and methods Part 4-3: Uncertainties, statistics and limit modelling - Statistical considerations in the determination of EMC compliance of mass-produced products Gr 11

Ed 2.01 A4 37p EN PDF 37p EN

Deals with statistical considerations in the determination of EMC compliance of mass-produced products. Am 1(International), 2007-04-13

SANS 216-4-4:2008 / CISPR/TR 16-4-4:2007

Specification for radio disturbance and immunity measuring apparatus and methods Part 4-4: Uncertainties, statistics and limit modelling - Statistics of complaints and a model for the calculation of limits for the protection of radio services Ed 2.00 A4 62p EN Gr 15

PDF 62p EN

Contains a recommendation on how to deal with statistics of radio interference complaints. Furthermore, it describes the calculation of limits for disturbance field strength and voltage for the measurement on a test site based on models for the distribution of disturbances by radiated and conducted coupling, respectively.

Applies to radio noise from overhead power lines and high-voltage equipment which may cause interference to radio reception. The frequency

SANS 218-1:2010 / TR CISPR 18-1:2010

range covered is 0,15 MHz to 300 MHz.

Radio interference characteristics of overhead power	lines and high-voltage equipment Part	1: Description of phenomena

Ed 2.00 A4 72p EN PDF 72p EN Gr 14

33.100.01

17.220.20; 33.100.20

17.220.20; 33.100.20

17.220.20; 33.100.20

SANS 218-2:2010 / TR CISPR 18-2:2010 Radio interference characteristics of overhead power lines and high-voltage procedure for determining limits	equipment Part 2: Methods of measurement and
Ed 2.00 A4 73p EN PDE 73p EN	Gr 14
Applies to radio noise from overhead power lines and high-voltage equipment whi range covered is 0,15 MHz to 300 MHz. A general procedure for establishing the I is recommended, together with typical values as examples, and methods of meas	ch may cause interference to radio reception. The frequency imits of the radio noise field from the power lines and equipment urement.
SANS 218-3:2010 / TR CISPR 18-3:2010 Radio interference characteristics of overhead power lines and high-voltage generation of radio noise	equipment Part 3: Code of practice for minimizing the
Ed 2.00 A4 47p EN PDF 47p EN	Gr 12 33 100 01
Applies to radio noise from overhead power lines and high-voltage equipment whi from power line carrier signals. The frequency range covered is 0,15 MHz to 300 M	ch may cause interference to radio reception, excluding the fields MHz.
SANS 220:2009 (SABS 220)	
Dissolved acetylene cylinders	
Ed 3.02 A4 12p EN PDF 12p EN	Gr 6 23.020.30
Covers requirements for seamless or welded steel cylinders, porous substance, s cylinders. Details of inspections and tests applicable to prototype cylinders, routine Am 1(National), 1991-10-31 Am 2(National), 2009-05-08	olvent and valves, and for performance and marking on finished e tests and records required during manufacture are given.
SANS 222:2009 / CISPR 22:2008 (SABS CISPR 22)	
Information technology equipment - Radio disturbance characteristics - Lim	its and methods of measurement
Ed 6.00 A4 79p EN PDF 79p EN	Gr 14
Gives procedures for the measurement of the levels of spurious signals generated 400 GHz for both class A and class B equipment.	d by the ITE and specifies limits for the frequency range 9 kHz to
SANS 223:2012 (SABS 223)	
Writing equipment - Coloured chalks and pastels	
Ed 3.02 A4 18p EN PDF 18p EN	Gr 7 97 180: 97 195
Specifies requirements for coloured chalks (soft and dust-free) and pastels, interce Am 1(National), 2006-10-20 Am 2(National), 2012-04-05	ded for use in schools.
SANS 224:2010 / CISPR 24:2010 (SABS CISPR 24)	
Information technology equipment - Immunity characteristics - Limits and m	ethods of measurement
Ed 2.00 A4 45p EN	Gr 12
PDF 45p EN	33.100.20; 35.020
Applies to information technology equipment (ITE) as defined in CISPR 22 (publis designation SANS 222). Procedures are defined for the measurement of ITE and frequency range from 0 Hz to 400 GHz.	hed in South Africa as an identical adoption under the limits are specified which are developed for ITE within the
SANS 225:2008 / CISPR 25:2008 (2009-03-27) Vehicles, boats and internal combustion engines - Radio disturbance charac protection of on-board receivers	cteristics - Limits and methods of measurement for the
Ed 2 00 A4 82n EN	Gr 15
PDF 82p EN	33.100.10
Contains limits and procedures for the measurement of radio disturbances in the f electronic/electrical component intended for use in vehicles, trailers and devices. Cor 1(International), 2009-03-27	frequency range of 150 kHz to 2 500 MHz. Applies to any
SANS 226:2009 (SABS 226)	
Water taps (metallic bodies)	
Ed 5.02 A4 21p EN PDF 21p EN	Gr 8
Covers requirements for four classes of screw-down and non-screw-down metallic	c water taps and stopcocks of sizes up to and including 50 mm for
the supply of water at temperatures not exceeding 75 °C. Am 1(National), 2004-10-29 Am 2(National), 2009-11-27	

SANS 227:2007		
(SABS 227)		
Ed 4.04 A4 24p EN		Gr 9
PDF 24p EN		91.100.15; 91.100.25
Covers burnt clay masonry units for use requirements for shape, appearance, tex for water absorption, water-soluble salts, units per square metre of walling and exp Am 1(National), 1990-04-01 Am 4(National), 2007-05-18	in masonry walling (engineering, facing a ture, colour, dimensions, warpage, com and moisture expansion and information planatory notes on efflorescence. Am 2(National), 1992-03-01	and non-facing). Lays down a classification system. Includes pressive strength, efflorescence and soundness; methods of test n on compressive strength of engineering units, the usage rate of Am 3(National), 2002-05-31
SANS 228:2007		
Absorbent cotton wool		
Ed 4.00 A4 9p EN		Gr 5
	<i>.</i>	11.040.30; 59.080.99
Specifies requirements for three grades	of absorbent cotton wool.	
SANS 232:2012 (SABS 232)		
Detergent for industrial dishwashing e	equipment	
Ed 3.03 A4 17p EN PDE 17p EN		Gr 7
Specifies the requirements for different to	vpes of detergent for use in industrial dis	71.100.40, 97.040.40
with the detergent are of stainless steel. Am 1(National), 2000-08-04	Not intended for cleaning crockery that h Am 2(National), 2003-02-28	has on-glaze decoration. Am 3(National), 2012-12-14
SANS 235:2008 (2012-12-07)		
(SABS 235)		
Ed 3.00 A4.9p EN		Gr 5
PDF 9p EN		71.100.40; 71.100.70
Specifies requirements for soap for gene	ral cleaning, for dish washing and laund	ry use, and for personal hygiene.
SANS 236:2008		
(SABS 236)		
Ed 3.00 A4 8p EN		Gr 5
PDF 8p EN		71.100.40
Covers filled bar soap for general cleanir	ng, but not for personal hygiene.	
SANS 237:2008 (2012-12-07)		
(SABS 237)		
Ed 3.00 A4 9p EN		Gr 5
PDF ['] 9p EN		71.100.40; 71.100.70
Specifies requirements for toilet soap for	personal hygiene but not speciality soa	ps such as transparent soap, medicated soap and seawater soap.
SANS 238:2008 (SABS 238)		
Liquid toilet soap		
PDF 9p EN		Gr 5 71.100.40; 71.100.70
Specifies the requirements of liquid toilet	t soap, for personal hygiene and that is s	uitable for use in liquid toilet soap dispensers.
SANS 240:2008		
Carbolic soap		
Ed 3.00 A4 10p EN		Gr 5
PUF TUP EN	oon for noroonal humings	71.100.40; 71.100.70
opecilies the requirements for carbolic s	oap ior personal nygiene.	

SANS 241-1:2011 Drinking water Part 1: Microbiological, physical, aesthetic and chemical determinands

Ed 1.00 A4 15p EN PDF 15p EN Gr 7

13.060.20

Specifies the quality of acceptable drinking water, defined in terms of microbiological, physical, aesthetic and chemical determinands, at the point of delivery. Water that complies with this part of SANS 241 is deemed to present an acceptable health risk for lifetime consumption (this implies an average consumption of 2 L of water per day for 70 years by a person that weighs 60 kg). Water services institutions and water services intermediaries ensure that water provided by them complies with the numerical limits in this part of SANS 241. Water services institutions and water services intermediaries monitor and maintain monitoring programmes informed by the routine monitoring programme and risk assessment processes described in SANS 241-2.

SANS 241-2:2011

Drinking water Part 2: Application of SANS 241-1

Ed 1.00	A4 2	5p EN	۱.						Gi	r 9		
	PDF	25p I	ΞN						13	.060.2	20	
					 	 	~ • • • •	 				

Prescribes how to achieve the numerical limits specified in SANS 241 1 and is applicable to all water services institutions and water services intermediaries. Assessment of the fitness for use of drinking water against the determinands and numerical limits specified in SANS 241-1 provides the minimum assurance necessary that the water is deemed to present an acceptable health risk for lifetime consumption. Addresses the evaluation of water quality risks, monitoring and verification of water quality to enable the management of the identified water quality risks. Is not intended to provide a comprehensive water management plan, which is required for the implementation of a water safety plan that addresses related issues such as water quantity, finance and maintenance. Provides the key elements for implementing management actions to comply with SANS 241-1.

SANS 242:2003 (2009-05-29)

(SABS 242)

Stainless steel sinks with draining boards (for domestic use)

		•	•	•	
Ed 5.00	A4 9p EN				Gr 6
	PDF 9p EN				91.140.70

Covers material, dimensional, and constructional requirements for stainless steel sinks with draining boards for domestic use.

SANS 244:1978 (2002-05-06)

(SABS 24	44)		
Wax cray	yons		
Ed 2.00	A4 14p EN PDF 14p EN		

Covers 3 sizes of wax crayons for drawing. Specifies requirements for dimensions and for colour range, writing qualities, softening point, toxicity and strength.

Gr 8

Gr 11

97.180; 97.195

13.220.20; 29.260.20

Am 1(National), 1998-05-04

SANS 246:2004 / BS 6266:2002 (2009-08-07)

Code of practice for fire protection for electronic equipment installations

Ed 1.00 A4 38p EN PDF 38p EN

NO 040 000-

Gives recommendations for the protection of electronic equipment against fire, including computers, mission critical servers, internet hosting centres, and systems of communication, design, manufacturing and distribution.

SANS 24	18:2007	
SABS 2	48)	
Bitumin	ous damp-proof courses	
Ed 3.01	A4 13p EN	Gr 6
	PDF 13p EN	91,120,30

Covers the following three types of damp-proof course for use in the waterproofing of buildings:Type AA :Damp-proof course with a base of asbestos-felt and a net mass of at least 33,5 kg/9 square metre.Type FV:Damp-proof course with a base fibre-felt and a net mass of at least 57,0 kg/18 square metre.Type GH:Damp-proof course with a base of hessian and net mass of at least 33,5 kg/9 square metre. Am 1(National), 2007-11-09

SANS 250:2003 / ISO 10012:2003 (2008-11-14)

	•	,				
Measurement management	nt systems -	Requirements	for measurement pr	ocesses and	measuring equip	ment

Ed 1.00	A4 25p EN	Gr	10
	PDF 25p EN	17.0	20

This standard specifies generic requirements and provides guidance for the management of measurement processes and metrological confirmation of measuring equipment used to support and demonstrate compliance with metrological requirements.

SANS 2 (SABS 2	51:2006 (2011-03-25) 951)		
Long-lin	k and extra-long-link mediu	n tolerance steel chains for general	purposes
Ed 5.00	A4 22p EN PDF 22p EN		Gr 8 53.020.30; 77.140.65
Specifies (inclusive recomme	s the requirements for electrica e), of grades 3, 4, 5, 6, 8 and 9 ended for lifting purposes.	Ily welded long-link and extra-long-link , and intended for use as hand chains	medium tolerance steel chains ranging in size from 4 mm to 50 mm and for general purpose applications. The chains are not
SANS 2	52:2003 / BS 4089:1999 (2009	-07-03)	
Metallic	hose assemblies for liquid p	petroleum gases and liquefied natur	al gases
Ed 1.00	A4 9p EN PDF 9p EN		Gr 6 23.040.70; 75.180.01
This star for liquef	ndard specifies hose and hose ied petroleum gas lines. It also	assemblies for the transfer of liquefied gives dimensional and physical requi	d petroleum gas to and from road or rail transport tankers, and hose rements.
SANS 2	54:2010 / ISO 5010:2007 oving machinery - Bubber-ty	red machines - Steering requirement	nte
Ed 2.00	A4 18n EN	red machines - Otechnig requirement	Gr 8
Lu 2.00	PDF 18p EN		53,100
Covers t machine	he steering system tests and p s.	erformance criteria for evaluating the	steering capability of rubber-tyred self-propelled earth-moving
SANS 2	55:2010 / ISO 10265:2008	achines - Performance requiremen	te and test procedures for braking systems
Ed 200	A4 16n FN		Gr 8
20 2.00	PDF 16p EN		53.100
Covers t crawler r	he minimum performance crite nachines.	ria and test methods to enable uniform	n assessment of the service, secondary and parking brake systems of
SANS 2 (SABS 2	57:2008 (57)		
Wax sho	oe polish		
Ed 2.03	A4 9p EN		Gr 5
	PDF 9p EN		71.100.40; 75.140
Covers v Am 1(Na	vax polish suitable for use on s ational), 2004-07-02	hoes, boots, and leather goods. Am 2(National), 2006-10-06	Am 3(National), 2008-08-15
SANS 2	58:2008 258)		
Wax sto	ep polish		
Ed 2.04	A4 9p EN		Gr 5
	PDF 9p EN		71.100.40; 75.140
Covers v	vax polish suitable for use on s	urfaces of cement, and available in th	ree colours.
Am 1(Na Am 4(Na	ational), 1991-02-01 ational), 2008-08-15	Am 2(National), 1993-05-01	Am 3(National), 2004-01-16
SANS 2	59:2008 / ISO 5006:2006 oving machinery - Operator'	s field of view - Test method and pe	rformance criteria
Ed 1.00	A4 28p EN		Gr 10
	PDF 28p EN		53.100
Specifies on a 12 i	s a static test method for deter m visibility test circle.	mining and evaluating the operator's v	isibility on a rectangular 1 m boundary close around the machine and
SANG 24	61·2008 / ISO 6165·2006		
Earth-m	oving machinery - Basic type	es - Identification and terms and det	finitions
Ed 2.00	A4 20p EN		Gr 9
	PDF 20p EN		01.040.53; 53.100

Gives terms and definitions and an identification structure for classifying earth-moving machinery designed to perform the following operations: excavation, loading, transportation, and drilling, spreading, compacting or trenching of earth and other materials, for example, during work on roads and dams, and on building sites. Provides a clear means of identifying machines according to their function and design configurations.

SANS 265:2005 (2011-04-20) (SABS 265) Gummed paper tape (Metric units) Ed 3.01 A4 12p EN Gr 6 PDF 12p EN 55.040; 85.080.99 Covers the physical requirements for gummed tape with a paper base and supplied in rolls. Includes requirements for packing, marking, sampling and methods of testing Am 1(National), 2005-03-18 SANS 266:2003 (2011-11-18) (SABS 266) Gypsum plasterboard Ed 5.01 A4 23p EN Gr 9 PDF 23p EN 91.100.10 Specifies the requirements for gypsum plasterboard that is intended to be used as vertical or horizontal linings in buildings, but does not include plasterboard that has been subjected to secondary manufacturing operations. Includes boards manufactured to receive either direct surface decoration or gypsum plaster finishes. Am 1(National), 2003-12-18 SANS 267:2005 (2011-05-20) Technical requirements for telex CPE terminals intended for connection to the public telex network Ed 1.00 A4 22p EN Gr 8 PDF 22p EN 33.050.30 Specifies technical characteristics for telex terminals intended for connection to the public telex network by means of a telegraph modem for subscriber lines SANS 271:2005 / ISO 6224:2005 (2009-03-20) Thermoplastics hoses, textile-reinforced, for general-purpose water applications - Specification Ed 2.00 A4 10p EN Gr 6 PDF 10p EN 23.040.70 Specifies the requirements for three types of general-purpose textile-reinforced thermoplastic water-discharge hose with an operating temperature range of -10 °C to +60 °C and a maximum working pressure of 25 bar. SANS 272:2005 / ISO 1403:2005 (2009-03-20) Rubber hoses, textile-reinforced, for general-purpose water applications - Specification Ed 2.00 A4 9p EN Gr 6 PDF 9p EN 23.040.70 Specifies the requirements for three types of general-purpose textile-reinforced rubber water hose with an operating temperature range of -25 °C to +70 °C and a maximum working pressure of up to 25 bar. SANS 273:2007 The design, manufacture, maintenance and safe operation of chairlifts in mines Ed 1.00 A4 31p EN Gr 10 PDF 31p EN 73 100 40 Specifies the requirements for the design, manufacture, and maintenance of monocable chairlifts with the carriers permanently attached and with detachable carriers. SANS 274:2004 / ISO 10006:2003 (2009-04-17) Quality management systems - Guidelines for quality management in projects Ed 1.00 A4 38p EN Gr 11 PDF 38p EN 03.120.10 Gives guidance on the application of guality management in projects. SANS 275:2004 / EN 12083:1998 (2009-01-30) Respiratory protective devices - Filters with breathing hoses, (Non-mask mounted filters) - Particle filters, gas filters, and combined filters - Requirements, testing, marking Ed 1.00 A4 12p EN Gr 7 PDF 12p EN 13.340.30

NUMERICAL LIST OF STANDARDS

Applies to filters with breathing hoses (non-mask mounted filters), for use as components in unassisted respiratory protective devices worn by wearer, with the exception of escape apparatus and filtering facepieces.

Cor 1(International), 2004-02-27

SANS 277:2004 / EN 12021:1998 (2009-08-28) Respiratory protective devices - Compressed air for breathing apparatus Ed 1.00 A4 8p EN PDF 8p EN Gr 6 13 340 30

Covers requirements for quality of compressed air supplied for use with certain respiratory protective devices, and for synthetic air. It does not apply to compressed air for medical purposes or to high pressure diving or high altitude applications.

SANS 279:2004 / ISO 1518:1992 (2009-08-21) Paints and varnishes - Scratch test Ed 1.00 A4 10p EN Gr 6 PDF 10p FN 87.040 Specifies a method for determining under defined conditions, the resistance of a single coating or a multi-coat system of paint, varnish or related product to penetration by scratching with a hemispherically tipped needle. Penetration of the needle is to the substrate, except in the case of a multi-coat system, where penetration of the needle may be either to the substrate or to an intermediate coat. SANS 280:2008 (SABS 280) Hole location in fencing posts and droppers Ed 2.01 A4 8p EN Gr 5 PDF 8p EN 91.090 Lays down requirements for the location of holes for the positioning of fencing wires in 6 types of fencing posts and droppers. Am 1(National), 2008-01-25 SANS 282:2011 (SABS 82) Bending dimensions and scheduling of steel reinforcement for concrete Ed 6.00 A4 28p EN Gr 9 PDF 28p EN 77.140.15: 77.140.60: 91.100.30 Covers bending dimensions, the methods of measuring bending dimensions and the scheduling of steel bars that are used for the reinforcement of concrete SANS 284:2004 (2010-11-26) (SABS 284) Spades and shovels Ed 2.04 A4 18p EN Gr 7 PDF 18p EN 53.120 Specifies the requirements for dimensions, materials, construction and strength of four types of spades and ten types of shovels. Am 3(National), 1997-08-11 Am 1(National), 1994-06-01 Am 2(National), 1996-05-13 Am 4(National), 2004-04-08 SANS 285:2010 (SABS 285) Calcium silicate masonry units Ed 3.01 A4 14p EN Gr 6 PDF 14p EN 91.100.15; 91.100.25 Specifies the characteristics of masonry units of the calcium silicate type for use in masonry walling. Am 1(National), 2010-03-05 SANS 286-1:1988 / ISO 286-1:1988 (2007-02-23) (SABS ISO 286-1) ISO system of limits and fits Part 1: Bases of tolerances, deviations and fits Ed 1.00 A4 36p EN Gr 11 PDF 36p EN 17.040.10; 21.120.10 Gives the bases of the ISO system of limits and fits, together with the calculated values of the standard tolerances and fundamental deviations. These values shall be taken as authoritative for the application of the system. Gives terms and definitions together with associated symbols. Am 1(National), 2007-02-23 SANS 286-2:1988 / ISO 286-2:1988 (2007-02-23) (SABS ISO 286-2) ISO system of limits and fits Part 2: Tables of standard tolerance grades and limit deviations for holes and shafts Ed 1.00 A4 48p EN Gr 12 PDF 48p EN 17.040.10; 21.120.10 Gives values of the limit deviations for commonly used tolerance classes (zones) for holes and shafts, calculated from the information given in SABS ISO 286-1. Am 1(National), 2007-02-23 Cor 1(International), 2007-02-23 SANS 288:2012 (SABS 288) Anti-bacterial liquid toilet soap for medical use A4 9p EN Ed 2.00 Gr 5 PDF 9p EN 11.080.20 Specifies the requirements for two types of anti-bacterial liquid toilet soap for medical use that are suitable for use in liquid soap dispensers.

SANS 28 Labelling metrolog	9:2012 requirements for prepackag y control	ed products (prepackages) and genera	Il requirements for the sale of goods subject to legal
Ed 1.04	A4 30p EN PDF 30p EN		Gr 9 55.020
Covers th business Am 1(Nat Am 4(Nat	e requirements for the labelling of the manufacturer, packer, di ional), 2006-10-06 ional), 2012-03-02	of prepackaged products with respect to stributor, importer or retailer, and (c) the r Am 2(National), 2008-12-12	(a) the identity of the product, (b) the name and place of net quantity of the product. Am 3(National), 2010-11-05
SANS 29 Mineral i	0:2007 nsulating oils - Management	of polychlorinated biphenyls (PCBs)	
Ed 1.00	A4 33p EN PDF 33p EN		Gr 10 29.040.10
Covers th contamination	e requirements for the testing, ated oils. It also covers manage	classification, labelling, handling, storage ement provisions for the phase out of the	, transportation, decontamination, and disposal of PCB use of PCB contaminated mineral insulation oils.
SANS 29 Plastics	1:2011 / ISO 291:2008 Standard atmospheres for c	onditioning and testing	
		onationing and testing	Gr 7
LU 2.00	PDF 13p EN		83 080 01
.			63.060.01
Sets out s	specifications relating to the co	nditioning and testing of all plastics and a	Il types of test specimen at constant atmospheric conditions.
SANS 29 (SABS 29	2:2012)2)		
Wooden	handles for hammers		
Ed 3.00	A4 19p EN PDF 19p EN		Gr 8 25.140.30; 79.120.20
Applies to	one grade of wooden handles	(of different shapes) for various types of	hand hammer heads.
SANS 29	4:2004 (2012-03-09)	methods and procedures	
			Cr 14
EG 1.00	PDF 86p EN		03.100.10
Describes transpare	processes, methods and proc nt, competitive and cost-effecti	edures for the establishment within an or ve.	ganization of a procurement system that is fair, equitable,
SANS 29 (SABS 29	5:2007 95)		
Calcium	hypochlorite		
Ed 3.00	A4 14p EN		Gr 6
	PDF 14p EN		71.100
Covers ca metals, in	alcium hypochlorite intended to on content, moisture, bulk dens	be used as a sanitizer. Lays down require	ements for shelf life, available chlorine, mixed oxides of heavy
SANS 29	6:2010		
(SABS 29	96)		
Sodium I	nypochlorite solutions		
Ed 5.02	A4 20p EN PDF 20p EN		Gr 8 71.060.20; 71.100
Specifies Am 1(Nat	the characteristics of three aqu ional), 2008-06-13	eous concentrations of sodium hypochlo Am 2(National), 2010-10-08	rite solution suitable for industrial and domestic use.
SANS 29 (SABS 29	7:2009 07)		
Mastic as	phalt for roofing		
Ed 3.01	A4 10p EN		Gr 5
_0 0.01	PDF 10p EN		91.100.50
Covers m and direct	astic asphalt for roofing, other t t attack by industrial liquors.	than asphalt designed to withstand the ex	ceptional conditions experienced in ammunition factories, etc.,

Am 1(National), 2009-10-23

SANS 298:2007 (SABS 298) Mastic asphalt for damp-proof courses Ed 3.01 A4 11p EN PDF 11p EN	and tanking	Gr 6
Covers two types of mastic asphalt for da designed to withstand direct attack by ind Am 1(National), 2007-12-07	mp-proof courses and tanking (horizontal ustrial liqours.	DPC and vertical DPC tanking), other than mastic asphalt
SANS 301-12:2004 / BS 1722-12:1999 (2 Fences Part 12: Specification for steel	2009-05-29) palisade fences	
Ed 1.00 A4 31p EN PDF 31p EN		Gr 11 91.090
Specifies requirements for steel palisade corrugated pales for heights of 3,0 m and Am 1(International), 2004-08-13	fences and gates of corrugated and angle 3,6 m, all with posts at 2,75 m centers fo	e pales for heights up to 2,4 m for general purposes and of r security purposes.
SANS 302:2012		
Ed 1.01 A4 13p EN	scales and balances subject to legal m	Gr 6
PDF 13p EN		17.060
Specifies the metrological and technical remetrological control in terms of legal metro Am 1(National), 2012-07-13	equirements for non-automatic, undenom ology legislation.	inated beam scales and balances that are subject to
SANS 303:2005 (2012-07-13)		
Non-automatic, non-self-indicating or s Ed 1.00 A4 12p EN PDF 12p EN	semi-self-indicating, ungraduated cour	nter scales subject to legal metrology control Gr 6 17 060
Specifies the metrological and technical scales that are subject to metrological cor	requirements for non-automatic, non-self- ntrol in terms of legal metrology legislation	indicating or semi-self-indicating, ungraduated, vibrating counter n.
SANS 304:2008 (SABS 304)		
Linen threads for footwear		
PDF 11p EN		Gr 6 59.080.20; 61.060
Covers linen threads suitable for use in th Am 1(National), 2008-03-28	e manufacture of footwear.	
SANS 305:2011		
Ed 1.01 A4 24p EN	or single use)	Gr 9
PDF 24p EN		11.040.25
Specifies requirements for sterilized single requirements for each component of a set Am 1(National), 2011-02-11	e-use winged infusion sets for continuous t.	and intermittent intravenous use, and also covers the
SANS 306-4:2003 / BS 5306-4:2001 (200	9-08-07)	
Fire extinguishing installations and equ	uipment on premises Part 4: Specifica	tion for carbon dioxide systems
PDF 75p EN		13.220.20
Specifies requirements and gives recomm These systems are designed to convey ca protection of particular plant or parts of the types of fires for which it is a recommende system for the application of carbon dioxid	nendations for the provision of carbon dio arbon dioxide from a central source on the e premises against possible fire risk. It gi ed extinguishing medium, and requirement de. Two methods of operation, i.e. manua	xide fire extinguishing systems in buildings or industrial plant. e premises as and when required for the extinction of fire or the ves requirements and characterisitics for carbon dioxide, the nts and recommendations for three established types of piped al and automatic, are also specified.
SANS 309:2004 (2011-02-11) (SABS 309)		
Anionic bitumen road emulsions		Gr 6
PDF 14p EN		93.080.20
Covers physical and chemical properties Am 1(National), 1976-05-01	of anionic bitumen road emulsions, for ap Am 2(National), 1986-11-01	plications on roads and other traffic surfaces. Am 3(National), 2004-12-15

Gr 11

13.300; 23.020.10

SANS 310:2011 Storage tank facilities for hazardous chemicals - Above-ground storage tank facilities for flammable, combustible and non-flammable chemicals

PDE 50n EN

Specifies the layout, design, installation, operation and maintenance of above ground storage tanks and equipment used for the handling, storage and distribution of hazardous chemicals in liquid, solids and powder form, stored at atmospheric pressure. Covers tanks that are intended for fixed or immovable installation of capacity greater than 1,5 cubic metres. Covers refrigerated (as defined in this document) applications, at atmospheric pressure. Does not cover petroleum products and their derivatives (which are covered by the SANS 10089 series and SANS 10131), or compressed gases (including LPG and LNG).

SANS 311:2007 (2012-12-14)

Category	/ L motor vehicles	
Ed 2.00	A4 10p EN	Gr 5
	PDF 10p EN	43.140

Specifies the requirements for category L motor vehicles. Applies in respect of incomplete vehicles supplied by one manufacturer to another for further manufacture. Applies to vehicles after completion of further manufacture by the latter manufacturer. Does not apply to (a) vehicles with a maximum design speed not exceeding 6 km/h, (b) vehicles intended for use by persons with disabilities, (c) vehicles intended for pedestrian control, (d) vehicles intended for use in competitions, on roads or in off-road conditions, (e) tractors and machines used for agricultural or similar purposes, and (f) vehicles designed primarily for off-road leisure use and cycles that are equipped with an auxiliary electric motor that has a maximum continuous rated power of 0.25 kW, of which the output is progressively reduced and finally cut off as the vehicle reaches a speed of 25 km/h, or sooner.

SANS 313:2004 / ISO 6222:1999 (2010-08-13)

Water quality - Enumeration of culturable micro-organisms - Colony count by inoculation in a nutrient agar culture medium

Ed	1.00	A4 7p EN
		PDF 7p EN

Specifies a method for the enumeration of culturable micro-organisms in water by counting the colonies formed in a nutrient agar culture medium after aerobic incubation at 36 °C and 22 °C. The method is intended to measure the operational efficiency of the treatment process of public drinking water supplies and for general application to all types of water. It is particularly applicable to the examination of water intended for human consumption, including water in closed containers and to natural mineral waters.

SANS 314:2012 / ISO 707:2008

Milk and milk products - Guidance on sampling

Ed 2.00	A4 47p EN		Gr 12
	PDF 47p EN	(67.100.01

Gives guidance on methods of sampling milk and milk products for microbiological, chemical, physical and sensory analysis, except for (semi)automated sampling.

SANS 315:2012 / ISO 1211:2010

Milk - Determination of fat content - Gravimetric method (Reference method)

Ed 2.00	A4 25p EN		
	PDF 25p EN		

Specifies the reference method for the determination of the fat content of milk of good physicochemical quality. Applies to raw cow milk, raw sheep milk, raw goat milk, reduced fat milk, skimmed milk, chemically preserved milk, and processed liquid milk. Does not apply when greater accuracy is required for skimmed milk, e.g. to establish the operating efficiency of cream separators.

SANS 316:2002	
(SABS 316)	
Industrial hand protectors (leather and fabric) ar	nd leather protective clothing
Ed 3.01 A4 31p EN	Gr 11
PDF 31p EN	13.340.10; 13.340.40
Covers the materials and construction of industrial h Am 1(National), 2002-06-21	hand protectors (leather and fabric) and leather protective clothing.
SANS 317:2007	
(SABS 317)	
Industrial bitumens	
Ed 2.05 A4 9p EN	Gr 5
PDF 9p EN	75.140
Covers the 10 most widely used grades of bitumen	(3 grades of the penetration grade type and 7 grades of the blown type) for industrial purposes.

(Am 3(National), 1982-01-27 Am 1(National), 1977-08-26 Am 2(National), 1978-02-07 Am 4(National), 2001-05-25 Am 5(National), 2007-03-16

Gr 6 07.100.20

Gr 10 67.100.10

SANS 318:2012 / ISO 1736:2008 Dried milk and dried milk products - Determination of fat content - Gravimet	ric method (Reference method)
Ed 2.00 A4 21p EN	Gr 9
PDF 21p EN	67.100.10
Specifies the reference method for the determination of the fat content of dried mi of 40 % mass fraction or more, dried whole, dried partially skimmed, and dried ski	Ik and dried milk products. Applies to dried milk with a fat content mmed milk, dried whey, dried buttermilk and dried butter serum.
SANS 319:2011 Measuring systems - Cryogenic liquid and other selected liquefied gases in	vertical tanks - Pressure differential method
Ed 1.01 A4 45p EN	Gr 12
PDF 45p EN	17.060
Specifies the minimum metrological and technical requirements for the design, co national responsible body (see foreword) and verification of instruments used to d while it is in a static state using the hydrostatic pressure (pressure differential met Am 1(National), 2011-03-31	nstruction and tests required to obtain type approval from the etermine the mass of liquids under pressure contained in a tank hod) of the liquefied gases in vertical cylindrical tanks.
SANS 320:2010	
Men's heavy boots, service type (Goodyear welted)	
Ed 4.01 A4 38p EN	Gr 10
PDF 38p EN	61.060
Covers requirements for the materials, components, construction and performanc Goodyear welted principle. Am 1(National), 2010-07-02	e of 5 types of men's heavy boots, made according to the
SANS 321:2010	
(SABS 321) The production of mon's boots (Coodwarr walted with stitched or stuck on a	
Ed 4.01 A4.35n EN	Gr 10
PDF 35p EN	61.060
Covers the requirements for the materials, components, construction and perform Goodyear welted principle. Am 1(National), 2010-07-02	ance of four types of men's boots made according to the
SANS 322:2005	
Fire detection and alarm systems for hospitals	
Ed 1.00 A4 11p EN	Gr 6
	13.220.20; 13.320
systems required by alteration or extensions to existing hospitals.	ins in nospitals, including the modification to existing fire alarm
SANS 325:2004 / ISO/TR 10017:2003 (2009-01-30) Guidance on statistical techniques for SANS 9001:2000	
Ed 1.00 A4 33n EN	Gr 11
PDF 33p EN	03.120.30
Provides guidance on the selection of appropriate statistical techniques that may l maintaining and improving a quality management system in compliance with SAN that involve the use of quantitative data, and then identifying and describing the st	be useful to an organization in developing, implementing, S 9001; done by examining those requirements of SANS 9001 atistical techniques that can be useful when applied to such data
SANS 326:2012 / ISO/IEC 20060:2010 Information technology - Open Terminal Architecture (OTA) - Virtual machine	9
Ed 2.00 A4 147p EN PDF 147p EN	Gr 17 35.240.20
Provides the specifications for the standard Open Terminal Architecture (OTA) ke implemented on each CPU type, and which provides drivers for the terminal's I/O	rnel, which is based on a standard virtual machine, which is and all low-level CPU-specific logical and arithmetic functions.
SANS 327:2011 Over-needle peripheral catheters (sterile-packed for single use)	
Ed 1.01 A4 25p EN PDF 25p EN	Gr 9 11 040 25
Covers requirements for over-needle peripheral intravascular catheters, intended condition and intended for single use. It does not cover central venous catheters. Am 1(National), 2011-02-04	for accessing the peripheral vascular system, supplied in sterile

Standards South Africa Catalogue 2013 NUM - 42

Coal - Determination of nitrogen - Semi-micro Kjeldahl method Ed 1.00 A4 10p EN Gr 6 PDF 10p EN 73.040 Specifies a method of determining the nitrogen content of hard coal, brown coal and lignite by the semi-micro Kjeldahl method. Cor 1(International), 2001-01-26 Am 1(National), 2006-05-05 ulfur - Eschka method Gr 6 PDF 10p EN 71.040.40: 75.160.10 Specifies a reference method for determining the total sulfur content of hard coal, brown coals and lignites, and coke by the Eschka method. Ed 2.00 A4 66p EN Gr 13 PDF 66p EN 33.040.35 Specifies the technical characteristics (electrical and mechanical interface requirements and access control protocol) to be provided by a single Gr 6

SANS 332:2004 / ETSI TBR 38:1998 (2009-08-28) Public Switched Telephone Network (PSTN); Attachment requirements for a terminal equipment incorporating an analogue handset

function capable of supporting the justified case service when connected to the analogue interface of the PSTN in Europe Ed 1.00 A4 37p EN Gr 11 PDF 37p EN

Specifies the technical characteristics (electrical and acoustic requirements) to be provided by a single, handset telephony terminal equipment which is intended for pan-European approval; and for connection by 2 wires to an analogue interface of a PSTN. This interface is characterized by a d.c. loop to indicate seizure and clearing, low frequency a.c. ringing signals below the speech passband to indicate an incoming call and the transmission phase having an approximate bandwidth of 3 kHz at the network terminating point; and for supporting the voice telephony justified case service. This standard only applies to terminal equipment supporting handset telephony. It specifies the functions necessary to provide 2-way

PDF 64p FN

Ed 1.00 A4 64p EN

SANS 329:2008

Industrial thermoprocessing equipment - Safety requirements for combustion and fuel-handling systems

Gr 13

NUMERICAL LIST OF STANDARDS

Specifies safety requirements for industrial thermoprocessing equipment using LPG, natural gas and solid fuels and that operates above 0,5 GJ/h.

25,180.01

It applies specifically to the fuel immediately adjacent to the equipment, but downstream of the shut-off valve.

33.040.35

SANS 334:1992 / ISO 334:1992 (2012-03-23)

SANS 333:1996 / ISO 333:1996 (2012-04-05)

(SABS ISO 334)	
Solid mineral fuels - Determination of total	31

Ed 1.00 A4 10p EN

real-time speech conversation.

(SABS ISO 333)

Am 1(National), 2006-04-13

SANS 336:2005 (2011-05-20)

Terminal Equipment (TE); Attachment requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTNs) of TE (excluding TE supporting the voice telephony service) in which network addressing, if provided, is by means of Dual Tone Multi Frequency (DTMF) signalling

ETSI TBR 21:1998, MOD

Terminal Equipment (TE) which is intended for pan-European approval; and capable of 2-wire access to an analogue Public Switched Telephone Network (PSTN) line at the Network Termination Point (NTP); but excluding TE which is capable of supporting the voice telephony justified case service. Covers TE which is capable of originating a circuit-switched call using Dual Tone Multi Frequency (DTMF) signalling or receiving an incoming circuit-switched call (or both). The connection arrangements (plug or socket, of the supplier's choice) to be provided by the TE, are also specified.

SANS 337:2013

Plugs and sockets outlets for use in the fixed installation of stoves

Ed 1.01	A4 5p EN	Gr 4	
	PDF 5p EN	29.12	0.30

Covers dedicated plugs and socket outlets for connecting free standing stoves rated from 16 A to 32 A single and three phase to fixed electrical installations.

Am 1(International), 2013-03-01

SANS 339:2007

Sorbents for hydrocarbon-based products Ed 1.00 A4 11p EN

PDF 11p EN 13.020.40

Covers various types of sorbent materials used to remove hydrocarbon-based liquids from water, soil, and hard surfaces; these include absorbents which are designed to readily release collected liquids under pressure as well as those that are designed to retain it, as well as adsorbents.

SANS 340:2006 / ISO 340:20	004 (2012-06-29)	
Conveyor belts - Laboratory	y scale flammability characteristics	- Requirements and test method
Ed 2.00 A4 12p EN PDF 12p EN		Gr 7
Specifies a method for asses having a textile carcass as we	sing, on a small scale, the reaction of ell as steel cord conveyor belts.	a conveyor belt to an ignition flame source. It is applicable to conveyor belts
SANS 341:2007		
Picks, beater picks and mat	ttocks	
Ed 4.02 A4 14p EN PDF 14p EN		Gr 6 53.120
Covers requirements for the r Am 1(National), 1985-08-14	materials, dimensions, construction an Am 2(National), 2007-07-	d finish of 2 types of picks, 1 type of beater pick and 6 types of mattocks. 13
SANS 342:2006 (SABS 342)		
Automotive diesel fuel		
Ed 4.00 A4 11p EN PDF 11p EN		Gr 6 75.160.20
specifies two grades of auton high-speed engines.	notive diesel fuel (low sulphur grade ar	nd standard grade) suitable for use in compression-ignition engines, including
SANS 343:2004 (SABS 343)		
Steel bedside lockers		
Ed 4.02 A4 17p EN		Gr 7
PDF 17p EN		11.140; 97.140
Covers requirements for two temperature for two temperature for the second seco	types of steel bedside lockers for use i Am 2(National), 2004-11-	in hospitals and other medical and health institutions. 19
SANS 344:2012 Dynamic measuring device	s and systems for cryogenic liquids	
Ed 1.01 A4 68p EN		Gr 14
PDF 68p EN		17.060
OIML R81:1998, NEQ		
Prescribes the metrological a liquids. Also establishes the c metrology.	nd technical requirements for measuri conditions that measuring devices and	ng devices and systems used for the dynamic measurement of cryogenic systems have to meet in order to comply with the requirements of legal
Am 1(National), 2012-05-25		
SANS 346:2008 (SABS 346)		
Woven worsted fabrics		
Ed 5.01 A4 14p EN PDF 14p EN		Gr 6 59.080.30
Specifies performance and st uniforms, and one plain wove	ructural requirements for worsted fabri n fabric suitable for neckties.	ics in serge, whipcord, barathea, venetian and gaberdine weaves suitable for
Am (National), 2000-03-20		
SANS 347:2012 Categorization and conform	aity assassment oritoria for all pross	sure equipment
Ed 2.00 A4 48p EN PDF 48p EN	inty assessment cinena ior an press	Gr 11 23.020.30
Specifies the criteria to be us equipment (metallic and non- also applicable to the certifica relevant statutory regulations	ed for the categorization and conformi metallic) for use by but limited to the n ation, re-certification, modification or re for pressure equipment.	ty assessment and the selection of health and safety standards of pressure nanufacturer, users, certification bodies and approved inspection authorities. Is epair of pressure equipment (metallic and non-metallic), as defined by the
SANS 348:2011		
Safety surgical scalpels, ste	erile packed for single-use	
Ed 1.02 A4 12p EN PDF 12p EN		Gr 6 11.040.30
Specifies the requirements fo the blade can be retracted an	r a sterile, single-use, safety surgical s d locked after use to prevent injury. It	scalpel with a fixed blade. The handle is fitted with a safety mechanism so that does not cover detachable surgical blades.
Am 1(National), 2010-06-04	Am 2(National), 2011-03-	25

SANS 349:1975 / ISO 349:1975 (2013-02-08) (SABS ISO 349) Hard coal - Audibert-Arnu dilatometer test	
Ed 1 00 A4 14p EN	Gr 7
PDF 14p EN	73.040
Specifies a method for determining the swelling properties of hard coal when heate Am 1(National), 2007-09-21	ed under standard conditions in a dilatometer.
SANS 350-1:2005 / ISO 1132-1:2000 (2010-05-07) Rolling bearings - Tolerances Part 1: Terms and definitions	
Ed 1.00 A4 37p EN	Gr 11
PDF 37p EN	01.040.21; 21.100.20
Defines terms used to specify tolerances for boundary dimensions, geometrical acc general conditions under which these tolerances apply and gives symbols for a nur	curacy and internal clearance for rolling bearings. Specifies nber of the concepts defined.
SANS 350-2:2005 / ISO 1132-2:2001 (2010-05-07) Rolling bearings - Tolerances Part 2: Measuring and gauging principles and r	methods
Ed 1.00 A4 53p EN	Gr 13
PDF 53p EN	21.100.20
Establishes guidelines for measurement of dimensions, running accuracy and inter	rnal clearance of rolling bearings.
SANS 351:2007 / ISO 76:2006 (2012-12-14) Rolling bearings - Static load ratings	
Ed 2.00 A4 21p EN	Gr 9
PDF 21p EN	21.100.20
Specifies methods of calculating the basic static load rating and the static equivale	nt load for rolling bearings.
SANS 352:2005 / ISO 104:2002 (2010-05-07) Rolling bearings - Thrust bearings - Boundary dimensions, general plan	
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	21.100.20
Specifies the major boundary dimensions of single-direction and double-direction the diameters of housing washers and the maximum outside diameters of shaft washer	hrust bearings with flat back faces. Gives the minimum bore rs of bearings in dimension series 11, 12, 13, 14, 22, 23 and 24.
SANS 353:2005 / ISO 113:1999 (2010-05-07) Rolling bearings - Plummer block housings - Boundary dimensions	
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	21.100.20
Specifies boundary dimensions for two bolt plummer block housings primarily inten- specified in ISO 15, and for four bolt plummer block housings primarily intended for	ided for rolling bearings in diameter series 0, 1, 2 and 3 as r rolling bearings in diameter series 0, 1 and 2.
SANS 354:2010 / ISO 281:2007 Bolling bearings - Dynamic load ratings and rating life	
Ed 2.00 A4 58p EN	Gr 13
PDF 58p EN	21.100.20
Specifies methods of calculating the basic dynamic load rating of rolling bearings we manufactured from contemporary, commonly used, high quality hardened bearing a basically of conventional design as regards the shape of rolling contact surfaces. It is the life associated with 90 % reliability, with commonly used high quality material conditions. In addition, it specifies methods of calculating the modified rating life, in lubricant and fatigue load of bearing are taken into account.	within the size ranges shown in the relevant ISO publications, steel, in accordance with good manufacturing practice and also specifies methods of calculating the basic rating life, which I, good manufacturing quality and with conventional operating which various reliabilities, lubrication condition, contaminated
SANS 355:2010 / ISO 355:2007 Rolling bearings - Tapered roller bearings - Boundary dimensions and series	designations
Ed 2.00 A4 36p EN	Gr 11
PDF 36p EN	21.100.20
Specifies bearing and subunit boundary dimensions for complete single-row and do dimensions of flanged outer rings for a selection of these bearings. A series design	puble-row tapered roller bearings. It also species the flange nation for each bearing is also specified.
SANS 356:2005 / ISO 492:2002 (2010-05-07) Bolling bearings - Badial bearings - Tolerances	
Fd 1 00 A4 30n EN	Gr 10
PDF 30p EN	21.100.20

Specifies tolerances for boundary dimensions (except chamfer dimensions) and the running accuracy of radial rolling bearings specified in ISO 15 (published in South Africa as an identical adoption under the designation SANS 445), ISO 8443 (published in South Africa as an identical adoption under the designation SANS 445), ISO 8443 (published in South Africa as an identical adoption under the designation SANS 445).

SANS 357-17:2005 / ISO 683-17:1999 (2010-05-28) Heat-treated steels, alloy steels and free-cutting steels Part 17: Ball and roll	er bearing steels
Ed 1.00 A4 25p EN	Gr 10
PDF 25p EN	77.140.10; 77.140.20
Specifies the technical delivery requirements for five groups of wrought ball and r (steels with about 1 % C and 1 % to 2 % Cr), case-hardening bearing steels, indubearing steels, and high temperature bearing steels.	oller bearing steels, namely through-hardening bearing steels action-hardening bearing steels (unalloyed and alloyed), stainless
SANS 358:2005 / ISO 1224:1984 Bolling bearings - Instrument precision bearings	
Ed 1.00 A4 16p EN	Gr 8
PDF 16p EN	21.100.20
Specifies the characteristics that define instrument precision rolling bearings, the classifications used for selective assembly, torque definitions and test conditions.	ir types, boundary dimensions, tolerances and internal clearance, , and limitations of bearing yield rates.
SANS 358-1:2011 / ISO 1224-1:2007 Rolling bearings - Instrument precision bearings Part 1: Boundary dimension bearings	ons, tolerances and characteristics of metric series
Ed 1.00 A4 16p EN	Gr 8
PDF 16p EN	21.100.20
Specifies the characteristics that define instrument precision rolling bearings, me internal clearance, classifications used for selective assembly, torque definitions	tric series, their types, boundary dimensions, tolerances and and test conditions, and limitations of bearing yield rates.
SANS 359:2005 / ISO 5753:1991 Rolling bearings - Radial internal clearance	
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	21.100.20
Specifies values of radial internal clearance for radial contact groove ball bearing 9628, double row self-aligning ball bearings, cylindrical roller bearings, needle rol	s (except for radial insert bearings) which are given in SANS ler bearings and double row self-aligning roller bearings.
SANS 360:2005 / ISO 7063:2003 (2010-05-07) Rolling bearings - Needle roller bearing track rollers - Boundary dimension	s and tolerances
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	21.100.20
Specifies the boundary dimensions of needle roller bearing track rollers, yoke and	d stud type.
SANS 361:2010 / ISO 10317:2008 Rolling bearings - Tapered roller bearings - Designation system	
Ed 2.00 A4 10p EN	Gr 6
PDF 10p EN	21.100.20
Establishes a system for the designation of metric size tapered roller bearings pro an identical adoption under the designation SANS 355). The system covers desig bearings with flanged outer rings. It also establishes designations for separate in of such bearings.	oduced in accordance with ISO 355 (published in South Africa as gnations for single-row bearings, double-row bearings, and ner subunits (inner ring, tapered rollers and cage) and outer rings
SANS 363:2007 / ISO 10129:2006 (2012-12-14) Plain bearings - Testing of bearing metals - Besistance to corrosion by lubr	icants under static conditions
Ed 2.00 A4 10p EN	Gr 6
PDF 10p EN	21.100.10
Describes the testing of bearing metals with lubricants with regard to their corrosi	on resistance.
SANS 364:2005 / ISO 6045:1987 (2010-05-07) Shipbuilding and marine structures - Bearings for derrick goosenecks - Ass	semblies and components
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	47.020.40
Defines types of assemblies, and specifies dimensions and materials of compone design to be fitted on-board ships for cargo handling purposes. It does not apply	ents for derrick boom gooseneck bearings of conventional derrick to special types of derricks.
SANS 365:2010 / ISO 6279:2006 Plain bearings - Aluminium allovs for solid bearings	
Ed 2.00 A4 8p EN	Gr 6
PDF ⁸ p EN	21.100.10
Specifies the composition and properties of preferred cast aluminium alloys for us	se in solid plain bearings.

PDF 4p EN	21.100.10
Serves as a guide to obtain the optimum bond between backing and bearing meta	I for thick-walled multilayer plain bearings.
SANS 367:2005 / ISO 6282:1983 (2010-05-07) Plain bearings - Metallic thin-walled half bearings - Determination of the sign	na 0.01*-limit
Ed 1.00 A4 6p EN	Gr 5
PDF 6p EN	21.100.10
Specifies a method of determining the sigma 0,01*-limit for the steel backing of thi mm.	n-walled multilayer half bearings for bearing diameters up to 80
SANS 368:2008 Aloe raw material	
Ed 1.01 A4 27p EN	Gr 9
PDF 27p EN	11.120.10; 65.020.20
Specifies requirements and related test methods for Aloe ferox raw material intend health food, medicinal, veterinary and industrial products. Am 1(National), 2008-05-30	led to be used in consumer products including health, cosmetic,
SANS 369-1:2004 / BS 7273-1:2000 (2009-08-07) Code of practice for the operation of fire protection measures Part 1: Electric	al actuation of gaseous total flooding extinguishing
systems	
Ed 1.00 A4 15p EN	Gr 7
PDF 15p EN	13.220.20
Provides recommendations for the planning, installation and servicing of electrical extinguishing systems for use in a temperate climate.	equipment for the actuation of gaseous total flooding fire
SANS 369-2:2004 / BS 7273-2:1992 (2009-08-07) Code of practice for the operation of fire protection measures Part 2: Mechan application extinguishing systems	nical actuation of gaseous total flooding and local
Ed 1.00 A4 12p EN	Gr 6
PDF 12p EN	13.220.20
Gives recommendations for the planning, installation and servicing of mechanical systems.	equipment for the actuation of gaseous fire extinguishing
SANS 370:2013 Steel mesh reinforced polyethylene (PE) pipes for water supply	
Ed 1.02 A4 22p EN	Gr 8
PDF 22p EN	23.040.10
Specifies the required properties of steel mesh reinforced polyethylene (PE) pipes polyethylene through extrusion technology. Specifies the requirements for raw mate Am 1(National), 2009-05-22 Am 2(National), 2013-03-15	made by combining mesh-shaped steel reinforcement with erials, marking, packing, storage and handling of the pipes.
SANS 371:2009	
Steel mesh reinforced polyethylene (PE) pipe fittings for water supply	
Ed 1.01 A4 25p EN	Gr 9
PDF 25p EN	23.040.10
Specifies the required properties, classification and geometrical characteristics of a combining mesh-shaped steel reinforcement with polyethylene through injection m marking, packing, storage and handling of the pipe fittings are also specified. The plate to a tube. Applies to steel mesh reinforced polyethylene (PE) pipe fittings integeneral purposes, as well as for the supply of drinking water, with temperatures no Am 1(National), 2009-11-13	steel mesh reinforced polyethylene (PE) pipe fittings made by oulding technology. The requirements for raw materials, steel mesh is made by winding and welding perforated steel nded to be used for the conveyance of water under pressure, for t exceeding 80 °C.
SANS 373-1:2009	
Reprocessing of endoscopes Part 1: Flexible endoscopes and accessories	
Ed 2.00 A4 28p EN	Gr 9
PDF 280 EN	11.040.55
Provides a code of practice for the preparation of flexible fiber-optic endoscopes, with flexible endoscopes, for reuse, either manually or using automatic endoscope	rideo endoscopes and the reusable endoscopic accessories used reprocessors. It covers the requirements for personnel

responsible for reprocessing endoscopes and for the reprocessing environments in healthcare facilities.

NUMERICAL LIST OF STANDARDS

Gr 4

SANS 366:2005 / ISO 6280:1981 (2010-05-07)

Ed 1.00 A4 4p EN

Plain bearings - Requirements on backings for thick-walled multilayer bearings

Provides a code of practice for the preparation of rigid endoscopes, associated components and the reusable endoscopic accessories used with rigid endoscopes, for reuse, using washer disinfectors, steam, or chemicals in the reprocessing environment. It covers the requirements for personnel responsible for reprocessing endoscopes and for the reprocessing environments in healthcare facilities. SANS 374:2005 / ASTM D 512:2004 (2011-10-28) Standard test methods for chloride ion in water Ed 1.00 A4 9p EN Gr 6 PDF 9p EN 13.060.50 Specifies test methods that cover the determination of chloride ion in water, wastewater and brines.

Reprocessing of endoscopes Part 2: Rigid endoscopes, associated components and accessories

SANS 375:2005 / ASTM D 1889:2000 (2011-10-28) ethod for turbidit بد ام

Sta	ndard	d test method for turbidity of water	
Ed	1.00	A4 7p EN	
		PDF 7p EN	

Specifies a test method that covers the determination of turbidity in water and wastewater. Applies to the measurement of turbidities in the range from 1,0 to 40 nephelometric turbidity units (NTU).

SANS 376:2005 / ASTM D 2972:2003

Standard test methods for arsenic in water		
Ed 1.00	A4 12p EN	Gr 7
	PDF 12p EN	13.060.50

Specifies test methods that cover the photometric and atomic absorption determination of arsenic in most waters and wastewaters.

SANS 381:2007 / ASTM D 857:2002

Standard test method for aluminium in water			
Ed 1.00	A4 6p EN	Gr 5	
	PDF 6p EN	13.060.50	

Covers the direct flame atomic absorption determination of aluminium in the nitrous oxide-acetylene flame. It is applicable to waters containing dissolved and total recoverable aluminium in the range 0.5 mg/L to 5.0 mg/L.

SANS 382:2007 / ASTM D 1068:2005 Standard test methods for iron in water

Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	13.060.50

Covers the determination of total iron, dissolved iron and ferrous iron in water using the following methods: Atomic absorption, direct: range 0.1 mg/L to 5.0 mg/L; Atomic absorption, graphite furnace: range 5 µg/L to 100 µg/L; and Photometric bathophenanthrolineu: range 40 µg/L to 1 000 μg/L.

SANS 383:2007 / ASTM D 1691:2002 Standard test methods for zinc in water

Ed 1.00	A4 7p EN	Gr 6
	PDF 7p EN	13.060.50

Covers the determination of either dissolved or total recoverable zinc in water using the following two methods: Atomic absorption, direct: range 0.05 mg/L to 2.0 mg/L; and Atomic absorption, chelation-extraction: range 20 µg/L to 200 µg/L.

SANS 384:2007 / ASTM D 3559:2003 Standard test methods for lead in water

otuniaut			
Ed 1.00	A4 17p EN	Gr	
	PDF 17p EN	13.	

Covers the determination of dissolved and total recoverable lead in water and waste water by atomic-absorption spectrophotometry and different pulse anodic stripping voltammetry, using the following four methods: Atomic absorption, direct: range 1.0 mg/L to 10 mg/L; Atomic absorption, chelation-extraction: range 100 µg/L to 1 000 µg/L; Differential pulse anodic stripping voltammetry: range 1 µg/L to 100 µg/L; and Atomic absorption, graphite furnace: range 5 µg/L to 100 µg/L.

SANS 385:2006 (SABS 385) Fabric linings for footwear Ed 4.00 A4 13p EN PDF 13p EN

Gr 6 59.080.30; 61.060

Covers requirements for 13 types of woven cotton fabric suitable for use as linings for footwear. Three of the types are fabrics combined by adhesive bonding.

Ed 1.00 A4 24p EN

PDF 24p EN

Gr 9

11.040.55

Gr 6 13.060.60

8 060.50

SANS 387:2008		
(SABS 387) Hammer beads and band bammers		
Ed 2.06 A4 27p EN		Gr 9
PDF 27p EN		25.140.30
Covers the requirements for 14 types of plastics. Includes requirements for mate and pull and bend tests on the handles.	f hammer heads and hand hammers erial, dimensions and hardness of ha	, the handles of hammers being of wood , steel or glass fibre reinforced mmer heads, and methods of test for crack detection and hardness,
Am 1(National), 1987-06-01 Am 4(National), 1996-02-05	Am 2(National), 1991-02-01 Am 5(National), 1997-10-27	Am 3(National), 1991-11-01 Am 6(National), 2008-10-24
SANS 388:2007 (SABS 388)		
Commercial dextrose and liquid gluc	ose	
Ed 2.01 A4 12p EN		Gr 6
Covers two grades of commercial dextr Am 1(National), 2007-06-08	ose, namely anhydrous dextrose and	67.180.20 I dextrose monohydrate, and one grade of liquid glucose.
SANS 389:2007		
Commercial lactose		
Ed 2.01 A4 7p EN		Gr 5
PDF 7p EN		67.100.01
Covers one grade of commercial lactos Am 1(National), 2007-06-15	e.	
SANS 390:2008 (SABS 390)		
Forks and rakes		
Ed 3.05 A4 23p EN PDF 23p EN		Gr 9 65.060.20
Covers the material, dimensional, const Am 1(National), 1977-06-01 Am 4(National), 1987-03-01	tructional, strength, finish and markir Am 2(National), 1979-02-01 Am 5(National), 2008-06-06	ig requirements for 6 types of forks and 7 types of rakes. Am 3(National), 1981-03-01
SANS 391:2004 / ISO 5576:1997 (2009 Non-destructive testing - Industrial X	9-08-07) -ray and gamma-ray radiology - Vo	ocabulary
Ed 1.00 A4 38p EN		Gr 11
PDF 38p EN		01.040.19; 19.100
Defines terms used in industrial radiogra	aphic testing.	
SANS 392:2011 (SABS 392) Siller rade for broze welding: (Metric	unita)	
Ed 2.04 A4 14p EN	units)	Gr 6
PDF 14p EN		25.160.20
Covers filler rods with or without flux coa alloys. Requirements for the chemical c metal are given.	ating, used primarily for the braze we composition of the material, and dime	Iding of cast iron, malleable iron, carbon steel, copper and copper ensions of the rods, and the physical properties of the deposited welded
Am 1(National), 1970-08-01 Am 4(National), 2011-01-28	Am 2(National), 1978-03-01	Am 3(National), 2008-07-25
SANS 393:2004 / ISO 5577:2000 (2009 Non-destructive testing - Ultrasonic i	9-08-07) Inspection - Vocabulary	
Ed 1.00 A4 50p EN		Gr 12
		01 040 19:19 100
PDF 50p EN		01.040.10, 10.100
PDF 50p EN Defines the terminology that is used in t	ultrasonic methods of non-destructive	e testing and forms a common basis for standards and general use.
PDF 50p EN Defines the terminology that is used in a SANS 394:2004 / ISO 5579:1998 (2009 Non-destructive testing - Radiograph	ultrasonic methods of non-destructive 9-08-07) iic examination of metallic materia	e testing and forms a common basis for standards and general use.
PDF 50p EN Defines the terminology that is used in t SANS 394:2004 / ISO 5579:1998 (2009 Non-destructive testing - Radiograph Ed 1.00 A4 23p EN PDF 23p EN	ultrasonic methods of non-destructive 9-08-07) lic examination of metallic materia	e testing and forms a common basis for standards and general use. Is by X- and gamma-rays - Basic rules Gr 10 77.040.00
PDF 50p EN Defines the terminology that is used in a SANS 394:2004 / ISO 5579:1998 (2009 Non-destructive testing - Radiograph Ed 1.00 A4 23p EN PDF 23p EN	ultrasonic methods of non-destructive 9-08-07) hic examination of metallic materia	e testing and forms a common basis for standards and general use. Is by X- and gamma-rays - Basic rules Gr 10 77.040.20

SANS 395:2004 / ISO 5580:1985 (2009-08-07)

molybdenum.

Non-destructive testing - Industrial radiographic illuminators - Minimum requ	irements
Ed 1.00 A4 6p EN	Gr 5
PDF 6p EN	19.100
Specifies the minimum requirements for industrial illuminators used for viewing radi	ographs.
SANS 396:2004 / ISO 10375:1997 (2009-08-07) Non-destructive testing - Ultrasonic inspection - Characterization of search un	nit and sound field
Ed 1.00 A4 22p EN	Gr 9
PDF 22p EN	19.100
Establishes procedures for specifying certain ultrasonic search unit characteristics uniformity of testing techniques, to form a basis for the interpretation of results and procedures for specifying sound field parameters and methods of measurement in	and for measuring the associated sound field. Aims to establish to establish the technical basis for criteria. Provides immersion tests.
SANS 399:2005 (2011-03-18)	Alternative design and construction
Ed 1.00. A4.41p EN	
PDF 41p EN	22 020 20
Specifies the minimum requirements for the design, construction and testing during low pressure (60 bar test pressure and below) gas cylinders, of water capacity from temperatures. Allows alternative design and construction methods to those require	manufacture of transportable refillable welded stainless steel 0,5 L up to and including 150 L, exposed to ambient d in SANS 4706 and EN 1442.
SANS 401:2010 / ASTM D440-07:2007 Standard test method of drop shatter test for coal	
Ed 2.00 A4 5n EN	Gr 5
PDF 5p EN	73.040
Covers the determination of the relative size stability and its complement, the friabil coal to withstand breakage when subjected to handling at the mine and during trans	ity, of sized coal. It affords a means of indicating the ability of sit to the consumer.
SANS 402:2005 / ISO 157:1996 (2010-04-30) Coal - Determination of forms of sulfur	
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	73.040
Specifies methods of determining the sulfate and pyrite sulfur contents of coals, incorganic sulfur present.	luding brown coals and methods of calculating the amount of
SANS 403:2005 / ISO 1018:1975 (2010-04-30) Hard coal - Determination of moisture-holding capacity	
Ed 1.00 A4 9p EN	Gr 5
PDF 9p EN	73.040
Specifies a method for the determination of moisture-holding capacity where the constant mass at 30 $^{\circ}$ C and then dried to constant mass at 105 $^{\circ}$ C to 110 $^{\circ}$ C. The condition pressure or under reduced pressure. The moisture-holding capacity is reported as a	al is brought to equilibrium with an atmosphere of 96 % relative oning of the coal may be carried out either at atmospheric a percentage, by mass, of the conditioned moist coal.
SANS 404:2009 (SABS 404)	
Phosphorus deoxidized non-arsenical copper	
Ed 2.02 A4 9p EN	Gr 5
PDF 9p EN	77.120.30
Covers a grade of copper for which chemical composition, the forms in which the coAm 1(National), 2008-08-01Am 2(National), 2009-09-11	opper should be supplied, and size tolerances are laid down.
SANS 405:2009 (SABS 405)	
Phosphorus deoxidized arsenical copper	
Ed 2.02 A4 5p EN	Gr 5
PDF 5p EN	77.120.30
Covers a grade of copper for which the chemical composition, the forms in which the Am 1(National), 2008-07-11Am 2(National), 2009-09-11	e copper should be supplied, and size tolerances are laid down.
SANS 406:2006 (2012-03-30) Coal and coke - Analysis and testing - Determination of trace elements - Guide	e to the determination of trace elements
Ed 1.00 A4 24p EN	Gr 10
PDF 24p EN	73.040; 75.160.10
AS 1038.10.0:2002, MOD	
Compares methods used for the determination of trace elements in coal and coal a cadmium, chlorine, chromium, cobalt, copper, fluorine, lead, manganese, mercury,	sh. The trace elements include arsenic, beryllium, boron, nickel, selenium and zinc. Also included are vanadium and

Standards South Africa Catalogue 2013

SANS 407:2008		
(SABS 407)		
Ed 2.02 A4 10p EN		Gr 5
PDF 10p EN		77.140.20: 77.140.80
Specifies requirements for austenitic ma Am 1(National), 2000-06-02	Inganese steel castings and their allo Am 2(National), 2008-03-28	y modifications.
SANS 408:2007 (2013-02-08)		
Coal and coke - Analysis and testing fluorescence spectrometric method	 Higher rank coal ash and coke as 	h - Major and minor elements - Wavelength dispersive X-ray
Ed 1.00 A4 23p EN		Gr 9
AS 1038 14 3:1999 MOD		/3.040; /5.160.10
Sets out a wavelength dispersive X-ray potassium, titanium, manganese, phosp	iluorescence procedure for the deterr horus and sulfur.	nination of silicon, aluminium, iron, calcium, magnesium, sodium,
SANS 409:2006 (2012-03-30)		
Coal and coke - Analysis and testing elements - Flame atomic absorption s	 Determination of trace elements - spectrometric method 	Coal, coke and fly-ash - Determination of eleven trace
Ed 1.00 A4 24p EN PDF 24p EN		Gr 10
AS 1038 10 1:2003 MOD		/3.040; /5.160.10
Sets out a method for the preparation of chromium, copper, lead, lithium, manga and fly-ash. Also provides an optional fla over flame atomic absorption spectrome	the ash and a flame atomic absorpti nese, nickel, strontium, vanadium an ame atomic emission spectrometric n etry and it is not possible to determine	on spectrometric method for the determination of barium, beryllium, d zinc in ash prepared in the laboratory from higher rank coal, coke nethod for the determination of barium, as it gives improved sensitivity barium by the latter technique with some instruments.
SANS 411:2006 (2012-03-23) Coal and coke - Analysis and testing	- Determination of trace elements -	Determination of arsenic, antimony and selenium - Hydride
Ed 1.00 A4 11p EN		Gr 7
PDF 11p EN		73.040; 75.160.10
AS 1038.10.2:1998, MOD		
Sets out a method for the determination	of arsenic, antimony and selenium in	higher rank coal and coke by hydride generation.
SANS 412:2006 (2012-03-23)		
Coal and coke - Analysis and testing	 Determination of trace elements - 	Determination of boron content - ICP-AES method
Ed 1.00 A4 10p EN PDF 10p EN		Gr 6 73 040: 75 160 10
AS 1038.10.3:1988. MOD		73.040, 73.100.10
Sets out a method for the determination (ICP-AES) after ashing of the coal or co	of boron in higher rank coal and coke ke in the presence of Eschka mixture	e using an inductively-coupled plasma atomic emission spectrometer
SANS 414:2006 (2012-03-30) Coal and coke - Analysis and testing absorption spectrometric method	- Higher rank coal ash and coke as	h - Major and minor elements - Acid digestion/flame atomic
Ed 1.00 A4 20p EN		Gr 9
AS 1038 14 2:2003 MOD		/3.040; /5.160.10
Sets out methods for the determination rank coal ash and coke ash by flame ato	of silicon, aluminium, iron, calcium, n omic absorption spectrometry after ac	nagnesium, sodium, potassium, titanium and manganese in higher sid digestion.
SANS 416:2012		
(SABS 416)		
Chemical resistant gloves		Cr 7
Ed 2.06 A4 15p EN PDF 15p EN		Gr / 13.340.40
Covers 6 types of rubber or plastics glov requirements, physical and chemical rec Am 1(National), 1973-11-01 Am 4(National), 1980-05-01	ves affording protection against a rang quirements are given for elastomeric Am 2(National), 1977-03-01 Am 5(National), 2007-11-30	ge of chemicals. Apart from constructional and dimensional materials with or without fabric reinforcement. Am 3(National), 1986-11-01 Am 6(National), 2012-06-15
		$\sum_{i=1}^{n} e_i (iai) (iai), Lo (L^* o o^* (o^* (o^* (o^* (o^* (o^* (o^* ($

SANS 417:2006 (2012-02-24) (SABS 417)	
Stainless steelware for medical and catering	j services in institutions
Ed 3.04 A4 69p EN PDF 69p EN	Gr 13
Covers material, dimensional, and construction Am 1(National), 1979-08-01 Am 2 Am 4(National), 2006-06-30	requirements for 49 types of stainless steelware for medical and catering services in institutions. (National), 1987-06-01 Am 3(National), 1991-11-01
SANS 419:2007 (2012-12-14)	
(SABS 419)	
E glass fibre chopped strand mat for reinfor	cement of polyester and other liquid laminating systems
Ed 2.01 A4 13p EN PDF 13p EN	Gr 6 59 100 10
Specifies requirements for E glass fibre chopper reinforcement of liquid resin systems. Am 1(National), 2007-02-09	ed strand mat, the strands being laid at random and held together with a binder, for the
SANS 420:2007 (SABS 420)	
Canners' sucrose	
Ed 2.01 A4 10p EN	Gr 5
Covers chemical, physical and microbiological Am 1(National), 2007-06-22	requirements for canner's sucrose.
SANS 421:2010	
(SABS 421)	
The production of men's shoes (Goodyear w	velted with stitched or stuck-on outer soles)
Ed 5.01 A4 44p EN PDE 44p EN	Gr 11
Covers men's shoes made in accordance with Am 1(National), 2010-07-02	the Goodyear welted principle and with stitched or stuck-on outer soles.
SANS 422:2010	
(SABS 422)	
Hospital nurses' shoes (Goodyear welted co	onstruction)
Ed 5.01 A4 32p EN	Gr 10
Applicable to six types of beautital surger labor	61.060
Applicable to six types of nospital nurses shoe Am 1(National), 2010-07-02	s made in accordance with the Goodyear weited principle.
SANS 427-1:2006 / ISO 1087-1:2000 (2012-06 Terminology work - Vocabulary Part 1: Theo	-22) ary and application
Ed 1.00 A4 36p EN	Gr 11
PDF 36p EN	01.020; 01.040.01
Provides a basic vocabulary for the theory and applications in terminology work, which is cove	application of terminology work. Does not embrace the vocabulary dealing with computer red by SANS 427-2.
SANS 427-2:2006 / ISO 1087-2:2000 (2012-06 Terminology work - Vocabulary Part 2: Com	i-22) puter applications
Ed 1.00 A4 31p EN	Gr 11
PDF 31p EN	01.020; 01.040.01
Defines terms for language and information pro of concepts in the field of terminology in general	cessing for computer applications in terminology work and terminography. A systematic description al is covered by SANS 427-1.
SANS 428:2012	
Fire performance classification of thermal in	Isulated building envelope systems
Ea 2.00 A4 19p EN PDF 19p EN	Gr 8 13 220 50
Covers the classification, usage and application panels, insulated ceilings and insulated wall an source.	n requirements for under-roof and side-cladding insulating materials, liners, insulated wall and roof d ceiling coating systems for use in buildings of unlimited height when exposed to an ignition

SANS 429:2013 / ISO 6281:2007 Plain bearings - Testing under conditions of hydrodynamic and mixed lubric	ation in test rigs	
Ed 2.00 A4 21p EN PDF 21p EN	Gr 9 21.100.10	
Establishes guidelines for the testing of lubricated plain journal bearings in test rig during bearing and/or material development. Deals with both static and dynamic lo the testing of dynamic characteristics of lubricant film in journal bearings applied in	s, running under conditions of hydrodynamic or mixed lubrication, bading in solid and multi-layer journal bearings.Not applicable to n calculation of vibration and stability of turbo-rotors.	
SANS 430:2005 / ISO 10019:2005 (2011-02-24) Guidelines for the selection of quality management system consultants and	use of their services	
Ed 1.00 A4 20p EN PDF 20p EN	Gr 9 03.100.30; 03.120.10	
Provides guidance for the selection of quality management system consultants an process for evaluating the competence of a quality management system consultant expectations for the consultant's services will be met.	d the use of their services. Also provides guidance on the nt and provides confidence that the organization's needs and	
SANS 431:2007 (2012-12-14) (SABS 431)		
Liners and fluting for corrugated board		
Ed 2.01 A4 11p EN PDF 11p EN	Gr 6 55.040	
Covers lining and fluting used in the manufacture of corrugated board containers f tearing resistance and water absorptiveness of liners (grammage range 120-440 g resistance of fluting (grammage range 112-180 g/m). Am 1(National), 2007-10-19	or packaging. Specifies the tensile strength, bursting strength, /m) and the tensile strength, tearing resistance and flat-crush	
SANS 432:2010 (SABS 432) Indelible marking ink for textile fabrics		
Ed 3.02 A4 10p EN PDF 10p EN	Gr 5 59.080.30; 87.080; 97.195	
Covers requirements for two types of non-corrosive indelible marking ink suitable t colour.	for marking textile fabrics (other than coated fabrics) and of any	
Am 1(National), 2007-05-25 Am 2(National), 2010-07-30		
SANS 433:2008 (SABS 433)		
Barrier creams		
Ed 2.00 A4 10p EN PDF 10p EN	Gr 5 11.120.99; 71.100.70	
Specifies requirements for barrier creams suitable for protection of the skin agains	st acids, alkalis1), oils, and solvents.	
SANS 434:2011 (SABS 434)		
General protective clothing		
Ed 5.00 A4 28p EN PDF 28p EN	Gr 9 13.340.10	
Specifies requirements for the material, cut, make and trim of boiler suits, two piec (unlined). Does not cover garments designed for the protection against specific ha	ce workwear suits, bib and brace overall and coats and jackets zards.	
SANS 438:2005 / ISO 999:1996 (2010-08-27) Information and documentation - Guidelines for the content, organization and presentation of indexes		
Ed 1.00 A4 52p EN PDF 52p EN	Gr 13 01.140.20	
Gives guidelines for the content, organization and presentation of indexes to book documents, also to non-print materials, such as electronic documents, films, soun	s, periodicals, reports, patent documents and other written d and video recordings.	
SANS 439:2012 Vests - Short sleeved, long sleeved and athletic type		
Ed 1.00 A4 10p EN PDF 10p EN	Gr 5	
Covers the material, cut, make and trim of three types of vest.		

SANS 440:2008 (SABS 440) Sterilized water for injections	
Ed 5.00 A4 17p EN PDF 17p EN	Gr 7
Covers chemical and biological requirements for water for injections that has been specifies the required marking.	dispensed into suitable containers, sealed and sterilized. It also
SANS 441:2012 Timber preservative - Mixture of azoles and permethrin	
Ed 1.01 A4 13p EN PDF 13p EN	Gr 6 71.100.50
Specifies the requirements for the ready-to-use mixture of azoles (tebuconazole at timber preservative. Provides the methods for determining the tebuconazole, propioned Am 1(National), 2012-02-24	nd propiconazole) and permethrin, in a liquid form for use as a iconazole and permethrin content of the timber preservative.
SANS 443:2006 (SABS 443)	
White open-wove bandages	
Ed 3.00 A4 10p EN	Gr 5
Covers five types of white open-wove bandages suitable for surgical dressings.	11.040.30; 59.080.30
SANS 445:2005 / ISO 15:1998 (2010-05-07)	
Rolling bearings - Radial bearings - Boundary dimensions, general plan	
Ed 1.00 A4 24p EN	Gr 10
PDF 24p EN	21.100.20
Lays down preferred boundary dimensions for radial bearings.	
SANS 446:2010 (SABS 446)	
Absorbent gauze (tabric and swabs) and butter muslin	07
PDF 15p EN	Gr 7 11.040.30; 59.080.30
Specifies requirements for the manufacture of three types of absorbent gauze and Am 1(National), 2010-03-26	one type of butter muslin.
SANS 448:2010	
PDF 9p EN	27.070; 75.080; 75.160.01
Specifies the requirements for ethanol gel for cooking and for other gel burning ap	pliances.
SANS 449:2011 (SABS 449)	
The manufacture of soft drinks and soft drink concentrates	
Ed 4.02 A4 28p EN	Gr 9
PDF 26p EN	67.160.20
production facilities and employees. Am 1(National) 2009-03-13 Am 2(National) 2011-10-21	off drinks and soft drink concentrates and the requirements for
SANS 450:2005 / ISO 6058:1984 (2011-12-01)	
Ed 1 00. A4 65 EN	Gr 5
PDF 6p EN	13 060 50

Specifies a titrimetric method using ethylenediaminetetraacetic acid (EDTA) for the determination of the calcium content of ground waters, surface waters and drinking waters. It can also be used for municipal and industrial raw waters, provided they do not contain interfering amounts of heavy metals. It is applicable to waters with calcium contents ranging from 2 mg/L to 100 mg/L (0,05 mmol/L to 2,5 mmol/L).

Sphoneny - Generation of acceptab	le and repeatable spirograms		
Ed 1.00 A4 39p EN		Gr 10	
PDF 39p EN		11.040.10	
Covers the procedure to be followed for the generation of acceptable and repeatable spirograms for the purpose of occupational and medical surveillance of respiratory function in humans. Covers the performance requirements and the calibration of the equipment used, hygiene and infection control where spirometry is performed, and the acceptability, repeatability and usability criteria applied to spirograms. Does not cover the reproducibility criteria applied to manoeuvres, and the interpretation or grading of spirometry results nor the diagnosis or treatment of respiratory conditions or related diseases.			
SANS 452:2008			
Non-reusable and reusable sharps c	ontainers		
Ed 1.00 A4 22p EN PDF 22p EN		Gr 9 11.140: 13.030.40	
Covers requirements for non-reusable used in human and animal medical app	and reusable containers used for the col plications.	llection, transportation and processing of sharp objects (sharps)	
SANS 452:2005 / ISO 6050:1094 (201	1 12 01)		
SANS 453:2005 / ISO 6059: 1984 (201 Water quality - Determination of the	I-12-01) sum of calcium and magnesium - ED	TA titrimetric method	
Ed 1 00 A4 7p EN		Gr 6	
PDF 7p EN		13 060 50	
Charifica a titrimatria mathad using ath	wanadiaminatatragantia anid (EDTA) fa	r the determination of the sum of coloium and magnesium	
concentrations in ground waters, surface	ce waters and drinking waters. The lowe	st concentration that can be determined is 0,05 mmol/L.	
SANS 455:2011			
(SABS 455)			
Covered electrodes for the manual a	rc welding of carbon and carbon mar	nganese steels	
Ed 4.05 A4 30p EN		Gr 9	
PDF 30p EN		25.160.20	
o			
ultimate tensile strength not exceeding	electrodes suitable for the manual arc w 650 MPa.	relating of carbon and of carbon manganese steels having an	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456)	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2 04, A4 54p EN	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55 160	
Covers the definitions, the general requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National) 1989-08-01	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008 (SABS 457-2)	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008 (SABS 457-2) Wooden poles, droppers, guardrail p	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008 (SABS 457-2) Wooden poles, droppers, guardrail p Ed 6.02 A4 36p EN	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008 (SABS 457-2) Wooden poles, droppers, guardrail p Ed 6.02 A4 36p EN PDF 36p EN	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008 (SABS 457-2) Wooden poles, droppers, guardrail g Ed 6.02 A4 36p EN PDF 36p EN Specifies requirements for preservative Am 1(National), 2002-09-20	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01 bosts and spacer blocks Part 2: Softwood e-treated softwood poles, droppers, guar Am 2(National), 2008-03-20	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01 Vood species Gr 10 79.080; 91.090 drail posts and spacer blocks.	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008 (SABS 457-2) Wooden poles, droppers, guardrail p Ed 6.02 A4 36p EN PDF 36p EN Specifies requirements for preservative Am 1(National), 2002-09-20 SANS 457-3:2000	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01 boosts and spacer blocks Part 2: Softw e-treated softwood poles, droppers, guar Am 2(National), 2008-03-20	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01 Vood species Gr 10 79.080; 91.090 drail posts and spacer blocks.	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008 (SABS 457-2) Wooden poles, droppers, guardrail p Ed 6.02 A4 36p EN PDF 36p EN Specifies requirements for preservative Am 1(National), 2002-09-20 SANS 457-3:2000 (SABS 457-3)	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01 bosts and spacer blocks Part 2: Softw e-treated softwood poles, droppers, guar Am 2(National), 2008-03-20	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01 rood species Gr 10 79.080; 91.090 drail posts and spacer blocks.	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008 (SABS 457-2) Wooden poles, droppers, guardrail p Ed 6.02 A4 36p EN PDF 36p EN Specifies requirements for preservative Am 1(National), 2002-09-20 SANS 457-3:2000 (SABS 457-3) Wooden poles, droppers, guardrail p	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01 bosts and spacer blocks Part 2: Softw e-treated softwood poles, droppers, guar Am 2(National), 2008-03-20	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01 Vood species Gr 10 79.080; 91.090 drail posts and spacer blocks.	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008 (SABS 457-2) Wooden poles, droppers, guardrail p Ed 6.02 A4 36p EN PDF 36p EN Specifies requirements for preservative Am 1(National), 2002-09-20 SANS 457-3:2000 (SABS 457-3) Wooden poles, droppers, guardrail p Ed 6.00 A4 47p EN Loose-leaf	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01 bosts and spacer blocks Part 2: Software- treated softwood poles, droppers, guar Am 2(National), 2008-03-20	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01 Vood species Gr 10 79.080; 91.090 drail posts and spacer blocks.	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008 (SABS 457-2) Wooden poles, droppers, guardrail g Ed 6.02 A4 36p EN PDF 36p EN Specifies requirements for preservative Am 1(National), 2002-09-20 SANS 457-3:2000 (SABS 457-3) Wooden poles, droppers, guardrail g Ed 6.00 A4 47p EN Loose-leaf PDF 47p EN	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01 posts and spacer blocks Part 2: Softworks e-treated softwood poles, droppers, guar Am 2(National), 2008-03-20	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01 rood species Gr 10 79.080; 91.090 drail posts and spacer blocks.	
Covers requirements for covered steel ultimate tensile strength not exceeding Err 1(National), 1983-03-01 Am 3(National), 2004-05-21 SANS 456:2009 (SABS 456) Corrugated board containers Ed 2.04 A4 54p EN PDF 54p EN Covers the definitions, the general requirest applicable to single-trip corrugated Am 1(National), 1983-08-01 Am 4(National), 1983-08-01 Am 4(National), 2009-07-31 SANS 457-2:2008 (SABS 457-2) Wooden poles, droppers, guardrail p Ed 6.02 A4 36p EN PDF 36p EN Specifies requirements for preservative Am 1(National), 2002-09-20 SANS 457-3) Wooden poles, droppers, guardrail p Ed 6.00 A4 47p EN Loose-leaf PDF 47p EN Specifies requirements for preservative spacer blocks. Am 1(National), 2002-09-20	electrodes suitable for the manual arc w 650 MPa. Am 1(National), 1985-02-27 Am 4(National), 2009-08-14 uirements (including those for packing, n board containers. Am 2(National), 1985-05-01 bosts and spacer blocks Part 2: Softw e-treated softwood poles, droppers, guar Am 2(National), 2008-03-20 bosts and spacer blocks Part 3: Hardw e-treated hardwood structural poles, agri	Am 2(National), 1988-08-29 Am 5(National), 2011-02-04 Gr 12 55.160 narking, and storage), the method of inspection, and all methods of Am 3(National), 1989-08-01 Vood species Gr 10 79.080; 91.090 drail posts and spacer blocks.	

SANS 451:2008

SANS 458:2011 Tolerances permitted for the accuracy legislation	of measurements of products (includ	ng prepackaged products) in terms of legal metrology
Ed 1.02 A4 30p EN PDF 30p EN		Gr 9 17.020: 55.020
Specifies legal metrology requirements for goods when prepackaged or at the time of count, sampling plans and procedures for quantity of product in prepackages include the actual quantity of frozen products, an foodstuff in a liquid medium that is not in Am 1(National), 2008-12-12	or the accuracy of measurements regulat of sale in constant or random (non consta r use by legal metrology officials in verify ding the determination of average tare ma d special conditions with regard to produ- tended to be consumed. Am 2(National), 2011-09-02	ed by legal metrology legislation including the measurement of ant) nominal quantities of mass, volume, linear measure, area, or ing the quantity of product in prepackages, examination of the sses, the drained quantity of products in a liquid medium, and cts that might lose moisture (desiccating) after packing and
SANS 459:2008 (SABS 459)		
Lime for chemical and metallurgical p	urposes	
Ed 1.05 A4 22p EN		Gr 8
PDF 22p EN		71.060.50; 77.020
Covers 3 types of quicklime: calcium, ma Am 1(National), 1959-10-01 Am 4(National), 1989-02-01	agnesian and dolomitic as well as 3 types Am 2(National), 1976-08-01 Am 5(National), 2008-04-25	of hydrated lime: calcium (3 grades), magnesian and dolomitic. Am 3(National), 1983-03-01
SANS 460:2011 (SABS 460)		
Plain-ended solid drawn copper tubes	for potable water	
Ed 4.02 A4 22p EN		Gr 8
PDF 22p EN		77.150.30; 91.140.60
Covers the requirements for plain-ended, Am 1(National), 2009-05-22	, solid drawn copper tubes for the convey Am 2(National), 2011-08-19	ance of potable water.
SANS 462:2005 / ASTM A 974:1997 (20	11-12-01)	
Welded wire fabric gabions and gabio	n mattresses (Metallic-coated or polyv	inyl chloride (PVC) coated)
Ed 1.00 A4 8p EN		Gr 6
PDF 8p EN		77.140.65
Specifies the general requirements for we	elded wire fabric gabions and gabion mat	tresses of metallic wire fabric.
SANS 465:2005 / ASTM D4806-04a:200 Standard specification for denatured f Ed 1.00 A4 7p EN	4 uel ethanol for blending with gasoline	s for use as automotive spark-ignition engine fuel Gr 6
PDF 7p EN		75.160.20
This specification covers nominally anhye for use as a spark-ignition automotive en	drous denatured fuel ethanol intended to gine fuel.	be blended with unleaded or leaded gasoline at 1 to 10 volume %
SANS 466:2005 / ISO 10005:2005 (2011 Quality management systems - Guidel	I-02-24) ines for quality plans	
Ed 1.00 A4 30p EN		Gr 10
PDF 30p EN		03.120.10
Gives guidelines for the development, re- registration purposes.	view, acceptance, application and revisio	n of quality plans. Is not intended to be used for certification or
SANS 467:2005 / EN 50148:1995 (2010) Electronic taximeters	-08-27)	
Ed 1.00 A4 20p EN PDF 20p EN		Gr 9 03.220.01; 43.040.30
Applies to electronic taximeters, to be installed on public hire vehicles (taxis or cabs) which, with the aid of electronic devices, calculate and indicate the amount to be paid by the passenger of the taxi. Does not deal with performance requirements of the taximeter after installation or with the installation itself.		
SANS 468:2007 (SABS SM 468)		
Breaking strength and extension at br	eak of textile fabrics: narrow strip met	hod using constant rate of traverse
Ed 3.01 A4 3p EN PDF 3p EN		Gr 3 59.080.30
Specifies the narrow strip method for the traverse of the pulling jaw of the tensile-s Am 1(National), 2007-11-09	determination of the breaking strength a strength testing machine.	nd extension at break of textile fabrics, using a constant rate of

SANS 469:2006 (SABS 469)	
Ed 3.00 A4 8p EN	Gr 5
PDF 8p EN	11.040.30; 59.080.99
Specifies requirements for one type of absorbent cotton lint suitable for surgical dr	essings.
SANS 470:2012 (SABS 470)	
Concrete poles for telephone, power and lighting purposes	
Ed 4.01 A4 18p EN	Gr 7
Specifies the dimensional and physical requirements of reinforced, partially prestre	essed and prestressed concrete poles, and the accompanying
Am 1(National), 2012-03-16	
SANS 472:2006 / EN 300:1997 Oriented Strand Boards (OSB) - Definitions, classification and specifications	
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	01.040.79; 79.060.20
Gives definitions, classification and requirements for Oriented Strand Boards.	
SANS 473:2006 / NRS 071:2004 Automated meter reading for large power users	
Ed 1.00 A4 27p EN	Gr 10
PDF 27p EN	17.220.20; 91.140.50
Applies to automated meter reading (AMR) in South Africa for large power users a cover the communication system between the AMR meter and the remote master	is defined by the relevant electricity supply authority. Does not station.
SANS 474:2009 / NRS 057:2009 Code of practice for electricity metering	
Ed 1.01 A4 67p EN PDF 67p EN	Gr 13 91.140.50
Specifies procedures and standards to be adhered to by electricity licensees and t installations that are to be used for billing purposes. Applicable to metering installa wiring, cabling, metering panel construction, active and reactive meters, data logge Am 1(National), 2009-03-13	their agents in operating and servicing new and existing metering ations in their entirety, including all measuring transformers, ers and associated test facilities.
SANS 475:2012	
Luminaires for interior lighting, streetlighting and floodlighting - Performance	e requirements
Ed 1.01 A4 13p EN PDF 13p EN	Gr 6
Covers the performance requirements for interior lighting, streetlighting and flood-linduction lamps, low-pressure sodium vapour lamps, high-intensity discharge lamp frequency of 50 Hz and c)operation at ambient temperatures of 0 °C to 40 °C. Am 1(National), 2012-12-14	ighting luminaires for a)operation with fluorescent lamps, os, or LED light sources; b)use on a.c. supply voltages with a
SANS 476:2007 / ISO 6055:2004 Industrial trucks - Overhead guards - Specification and testing	
Ed 1.00 A4 16p EN	Gr 8
PDF 16p EN	53.060
Specifies the requirements and testing of overhead guards, operators' legs and fee object protection system (FOPS) for any type of high lift, rider operated, powered i	et protection, roll-over protection system (ROPS) and falling- ndustrial truck with a lift height exceeding 1800 mm.
SANS 477:2009 / ISO 6292:2008	
Powered industrial trucks and tractors - Brake performance and component	strength
Ed 2.00 A4 19p EN PDF 19p EN	Gr 9 53 060
Specifies performance, test methods, controls, control forces and component strencapacities, industrial tractors with rated capacities up to and including 20 000 N dr containers, as defined in ISO 5053. Does not cover loss of electrical power, loss o emergency situations. Only includes requirements for newly manufactured trucks.	ngth for brake systems fitted to powered industrial trucks of all awbar pull, burden carriers, and industrial trucks handling freight f any other form of power assistance, and braking used in

NUMERICAL LIST	OF STANDARDS
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Applies to stationary, mobile and movable vehicle lifts, which are not intended to lift persons, but which are designed to raise vehicles totally for the

Gr 13

43.180; 53.020.99

SANS 478:2010 / EN 1493:2008

PDF 55p EN

Vehicle lifts Ed 2.00 A4 55p EN

purpose of examining and working on or under the vehicles whilst in a raised positi	on.
SANS 479:2006 / ISO 5738:2004 (2012-05-18) Milk and milk products - Determination of copper content - Photometric meth	od (Reference method)
Ed 1.00 A4 18p EN PDF 18p EN	Gr 8 67.100.01
Specifies a reference method for the determination of the copper content of milk are buttermilk, evaporated milk and sweetened condensed milk, whole and skimmed m hard and soft cheeses of various ages, processed cheese, caseins, caseinates and	nd milk products. It is applicable to milk, skimmed milk and nilk powder, cream and butter, butterfat, ice-cream, hard, semi- d coprecipitates.
SANS 480:2006 / ISO 11108:1996 (2012-03-16) Information and documentation - Archival paper - Requirements for permane	nce and durability
Ed 1.00 A4 7p EN	Gr 6
PDF ['] 7p EN	01.140.20; 85.060
Specifies requirements for archival paper. Applies to unprinted papers intended for and frequent use. Requires paper of high permanence and high durability or these	documents and to publications required for permanent retention documents and publications.
SANS 481:2007 (2012-03-30) (SABS SM 481)	
Accelerated weathering of textiles - Artificial light and water spray exposure r	nethod
Ed 3.00 A4 3p EN	Gr 3
PDF 3p EN	59.080.30
Specifies a method for the accelerated weathering of textiles, using the artificial light	ht and water spray exposure method.
SANS 484-1:2009	
Conveyor belting - Step splicing for multi-ply textile-reinforced rubber covere	d conveyor belting Part 1: Hot-splicing method
Ed 1.00 A4 24p EN PDF 24p EN	Gr 9
Specifies the requirements for the conventional splicing of textile-reinforced multi-p method.	ly rubber covered conveyor belting using the hot-splicing
SANS 484-2:2009	
Conveyor belting - Step splicing for multi-ply textile-reinforced rubber covere	d conveyor belting Part 2: Cold-splicing method
Ed 1.00 A4 19p EN PDF 19p EN	Gr 8
Specifies the requirements for the conventional splicing of textile-reinforced multi-p method.	ly rubber covered conveyor belting using the cold-splicing
SANS 485:2009	
Ed 1 00 A4 29p EN	Gr 9
PDF 29p EN	53.040.20
Specifies the requirements for the splicing of steel cord reinforced conveyor belting as belts of different cord configuration.	. Covers the splicing of belts of similar cord configuration as well
SANS 486:2009	ing
Ed 1.00 A4 23p EN	Gr 9
PDF 23p EN	53.040.20
Specifies the requirements for hot-vulcanised finger splicing of solid woven constru	ction conveyor belting.
SANS 489:2009	
Good Manufacturing Practice in the animal feed industry	
Ed 1.00 A4 21p EN PDF 21p EN	Gr 8 65.120

Covers the trade and production of compound feed, simple and moisture-rich animal feed, animal feed ingredients, and premixes for the animal feed industry to ensure that the delivery of products and services by manufacturers of these products and providers of these services consistently meet the requirements laid down by law, with regard to human, animal and environmental safety.

SANS 490:2008 Disinfectant alcohol-based handrub Ed 1.00 A4 10p EN PDF 10p EN	Gr 5 11.080.20; 71.100.35	
Covers requirements for two types of disinfectant alcohol-based handrub.		
SANS 491:1996 (SABS 491) Wooden crutches Ed 3.00 A4 16p EN PDF 16p EN Specifies requirements for the materials, dimensions and construction of 4 sizes of	Gr 9 11.180.10; 79.080 of wooden crutches, each adjustable in length.	
SANS 492-1:2002 (SABS 492-1) Protective and safety gum boots Part 1: Handmade rubber gum boots Ed 2.02 A4 28p EN PDF 28p EN	Gr 10 13 340 50	
Covers 3 types of handmade rubber gum boots.Requirements for compoments,262 gum boot are specified.Am 1(National), 1983-06-01Am 2(National), 2002-02-22	methods of construction and the dimensions of lasts for a size	
SANS 492-2:2003 (SABS 492-2) Protective and safety gum boots Part 2: Moulded rubber gum boots Ed 3.00 A4 23p EN PDF 23p EN	Gr 9 13.340.50	
SANS 492-3:1983 (2002-06-28) (SABS 492-3) Protective and safety gum boots Part 3: Handmade rubber ankle boots for m Ed 1.00 A4 14p EN PDF 14p EN	nen Gr 7 13.340.50	
Covers one type of general-purpose handmade ankle boots. Requirements for co for a size 262 ankle boot are specified.	imponents, method of construction and the dimensions of lasts	
SANS 492-4:1983 (2002-06-28) (SABS 492-4) Protective and safety gum boots Part 4: Moulded rubber ankle boots for mer Ed 1.00 A4 13p EN PDE 13p EN	n Gr 7	
Covers 2 types of moulded rubber ankle boots. Requirements for compoments, n ankle boot are specified.	nethods of construction and the dimensions of lasts for a size 262	
SANS 493:2009 (SABS 493) Steel refuse bins Ed 2.01 A4 13p EN PDF 13p EN	Gr 6 13.030.99: 97.040.50	
Covers requirements for the dimensions, construction and strength of zinc-coated Am 1(National), 2009-10-02	steel bins of nominal capacities 85 L and 57 L.	
SANS 494-1:2011 Surgical medical devices used for wound closure Part 1: Sterile sutures and Ed 2.00 A4 21p EN	l ligatures Gr 8	
PDF 21p EN Specifies requirements for sterile sutures and ligatures (absorbable and non abso	11.040.30	
opeomes requirements for steme sutures and ligatures (absorbable dilu 11011-db50	ibabic/ ior use in surgical operations.	
SANS 495:2005 (2011-04-14) (SABS 495)		
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Cotton duck		
Ed 3.03 A4 13p EN PDF 13p EN		Gr 6 59.080.30
Covers eight types of woven cotton fabri covers and equipage, tarpaulins and cer state and to be water-repellent.	c suitable for a variety of end uses s tain types of clothing. Provision is m	uch as shelters, tents, covers for instruments and machinery, wagon ade for each type to be in the loomstate, scoured, bleached or dyed
Col 1(National), 1999-04-16	Am 1(National), 2000-12-18	Am 2(National), 2005-08-26
SANS 497:2011 (SABS 497) Glazed ceramic sanitaryware		Gr 9
PDF 20p EN		91 140 70
Covers wash-hand basins, pedestals, si Am 1(National), 2002-08-30	nks, water-closet pans, bidets, urinal Am 2(National), 2006-10-06	s and flushing cisterns made of ceramic materials. Am 3(National), 2011-09-30
SANS 498:2007 (2012-12-14) Replacement of wheel rims for comm	ercial vehicles and their trailers	
Ed 1.00 A4 9p EN		Gr 5
N, O3 and O4, as the replacement of the	e original equipment.	and demountable rims intended for vehicles of categories of M2, M3,
SANS 499:2006 / ISO 487:1998 Steel roller chains, types S and C, atta	achments and sprockets	
Ed 1.00 A4 21p EN		Gr 9
Specifies the characteristics of a range operation and maintenance prevailing in associated chain sprockets.	of steel roller chains, dimensionally c such fields as agriculture, building, d	lerived from the malleable iron type and suitable for the conditions of quarrying and related industry, mechanical handling, etc., and of
SANS 500:2009		
Inspection, examination and testing of	of manually operated chain blocks	and chain lever hoists in use
Ed 1.00 A4 8p EN		Gr 5
PDF 8p EN		53.020.20; 53.020.30; 53.020.99
Specifies the requirements for the inspe	ction, examination and testing of ma	nually operated chain blocks and chain lever hoists in use.
SANS 501:2008 / ISO 501:2003 (2013-0 (SABS ISO 501)	02-08)	
Hard coal - Determination of the cruc	ble swelling number	
Ed 2.00 A4 12p EN		Gr 7
Specifies a method for determining the	swelling properties of hard coal when	73.040
SANS 502:1982 / ISO 502:1982 (2013.		
(SABS ISO 502)		
Coal - Determination of caking power	- Gray-King coke test	0.7
Ed 1.00 A4 12p EN PDF 12p EN		Gr / 73.040
Specifies a method of assessing the cal Am 1(National), 2007-09-21	king power of coal under standard co	nditions.
SANS 504:2008		
Intelligent Transport Systems - Radio	-frequency identification of vehicle	es - Parameters for uni-directional air interface communication
Ed 1.00 A4 20p EN		Gr 8
PDF 20p EN		35.040
Describes the physical and logical requi	rements for a passive, tag-talks-only	, uni-directional radio-frequency identification system using a UHF

propagation backscatter carrier and that comprises readers, interrogators and tags. Specifies the tag to reader interface, including collision detection, interrogator to tag interface, and the signalling layers of the communication links. Includes conformance requirements. Is intended to be a law enforcement tool, enabling a cost efficient method of positively identifying vehicles without hindering the normal flow of traffic and providing vehicle identification at any attainable speed of the vehicle, data integrity and RF signal jam detection.

SANS 50	5:2003		
Specifica	tion for the elastic propertie	es of flat, non-adhesive, extensible fa	abric bandages
Ed 1.00	A4 12p EN		Gr 6
BS 7505.			11.120.20
Specifies	requirements for flat. non-adh	nesive. extensible bandages manufactu	red from woven or knitted fabrics and classifies them according to
their funct	tion and performance. tional), 2003-09-12	-	
SANS 50	6:2011		
Timber p	reservative - Alkaline-coppe	r-quaternary type	
Ed 1.01	A4 12p EN		Gr 6
	PDF 12p EN		71.100.50
Covers tw Am 1(Nat	o types of alkaline-copper-qu ional), 2011-09-30	aternary (ACQ) type timber preservative	es and gives minimum and maximum values of active ingredients.
SANS 50	7-1:2007 / NRS 034-1:2007		
Electricit design of	y distribution - Guidelines for distribution networks	or the provision of electricity distribu	ition networks in residential areas Part 1: Planning and
Ed 1.00	A4 94p EN		Gr 14
• •			29.240.20
Covers th with safet overhead	e planning and design of ecor y and reliability, whilst maintai and underground systems.	nomical residential electricity distribution ining the voltage within the prescribed li	n networks that are capable of compliance with probable demands mits. Is a general guide to good technical practice for economical
SANS 508 Concrete	3:2012 retaining blocks		
Ed 1.01	A4 14p EN		Gr 6
	PDF 14p EN		91.100.30
Covers co Am 1(Nat	oncrete blocks which are dry s ional), 2012-03-23	tacked into a wall which is used to reta	in earth, sand or stone and other superimposed loads.
SANS 509 Pallet tru	9:2007 / ISO 509:1996 cks - Principal dimensions		
Ed 1.00	A4 6p EN		Gr 5
	PDF 6p EN		53.060
Specifies apply to the the second sec	the principal dimensions for p ne heights, widths and lengths nat the use of a particular size	allet trucks for transporting flat pallets of of the fork arms of pallet trucks which of pallet truck is restricted to one partic	complying generally with IS0 6780 and their loads. The dimensions may have either single or tandem trail wheels. It should not be cular size of pallet.
SANS 51):2007 / ISO 6120:1995 (2012	2-06-29) ies for hydraulic braking systems us	ed with netroleum-base brake fluid
Fd 1 00	A4 18n FN	ies for hydraulie braking systems us	Gr 8
24 1.00	PDF 18p EN		43.040.40
Specifies systems of fabricated	the test procedures for, and p of road vehicles of which the from cord and synthetic elas	performance requirements and marking nominal inside diameter of the hose is a stomers and assembled with metal end	of hydraulic brake hose assemblies to be used in hydraulic brake 8, 2 mm or 4, 8 mm. Applies to assemblies made of a hose fittings for use with petroleum-base brake fluids.
SANS 51	1:2011		
Fd 1 00	A4 16n FN		Gr 7
24 1.00	PDF 16p EN		61.020
Covers th	e material, cut, make and trim	of workwear for women.	
SANS 51: (SABS 51	3:2005 (2011-01-21) 3)		
Retro-ref	lectors (reflex reflectors)		
Ed 3.04	A4 14p EN		Gr 6
_			43.040.20
Covers th reflectors	e requirements for sealed red that form part of light assemb	, amber and clear (white) retro-reflector	s (reflex reflectors) for use on road vehicles, including retro-
Am 1(Nat Am 4(Nat	ional), 1997-04-07 ional), 2005-09-16	Am 2(National), 2001-02-02	Am 3(National), 2004-05-28

SANS 514:2009		
(SABS 514)		
Immersion heaters for electric	storage water heaters	
Ed 3.04 A4 16p EN PDF 16p EN		Gr 7 97.100.10
Specifies requirements for withdr water heaters. Intended for use i not exceeding 10 kW.	rawable and non-withdrawable types of elec n single-phase circuits, the voltage of which	tric immersion heaters for use in thermostatically controlled storage a does not exceed 250 V phase to neutral and that have a load rating
Am 1(National), 1999-11-12 Am 4(National), 2009-08-21	Am 2(National), 2006-07-14	Am 3(National), 2007-06-22
SANS 515:2003 (2008-03-20)		
Decorative paint for interior us	e .	
Ed 3.00 A4.11p EN	-	Gr 6
PDF 11p EN		87.040
Specifies the requirements for de plaster walls, composition board eggshell gloss) and flat.	ecorative air-drying paints (other than emuls and similar materials that have been prime	sion paints) for interior use as a finishing coat on metal, wood, sealed d or painted previously. Covers two types of paint: semi-gloss (or
SANS 517:2011		
Light steel frame building		
Ed 1.01 A4 110p EN		Gr 15
PDF 110p EN		91.080.10
Establishes rules and requirement appropriate materials, including to Am 1(National), 2011-05-27	nts for the design, fabrication and construct he walls, roofs, floors, and foundations of s	ion of buildings with light steel frames, clad and insulated with uch buildings.
SANS 520:2007 / ISO 556:1980	(2013-02-08)	
Coke (greater than 20 mm in si	ize) - Determination of mechanical streng	gth
Ed 1.00 A4 8p EN PDF 8p EN		Gr 6 75 160 10
A sample of coke greater than 20 breakdown of the coke is evaluat drum revolutions (Irsid test).	0 mm in size and of known size distribution ted by a process of sieving and size analysi	is subjected to mechanical stresses in a rotating drum. The degree of is after 100 drum revolutions (Micum test) and, if desired, after 500
SANS 521:2009 (SABS 521)		
Hospital beds and cots		
Ed 3.04 A4 29p EN		Gr 9
PDF 29p EN		11.140; 97.140
Covers dimensional and construe	ctional requirements for six types of basic b	eds and cots intended for use in hospitals and in other medical
Am 1(National), 1993-10-01 Am 4(National), 2009-09-04	Am 2(National), 2002-09-13	Am 3(National), 2004-10-22
SANS 522:2007		
The inspection, testing and exit	amination of tower cranes	
Ed 1.00 A4 19p EN PDF 19p EN		Gr 8 53.020.20
Covers requirements for the insp	pection, testing and examination of tower cra	anes in service.
SANS 523:2009		
(SABS 523)		
Limes for use in building		
Ed 2.03 A4 15p EN PDF 15p FN		Gr 7
Covers quicklime and slaked (by	drated) limes for use in building and produc	ed by calcining of limestone, or treatment of calcium carbide

Covers quicklime and slaked (hydrated) limes for use in building and produced by calcining of limestone, or treatment of calcium carbide.Am 1(National), 2002-03-25Am 2(National), 2007-12-14Am 3(National), 2009-11-27

SANS 527-1:1993 / ISO 527-1:1993 (2012-06-15) (SABS ISO 527-1)

Plastics - Determination of tensile properties Part 1: General principles

Ed 1.00 A4 12p EN PDF 12p EN

Specifies the general principles for determining the tensile properties of plastics and plastic composites under defined conditions. Identifies several different types of test specimen to suit different types of material which are detailed in subsequent parts of ISO 527 (published in South Africa as SANS 527). Describes the methods that are used to investigate the tensile behaviour of the test specimens and for determining the tensile strength, tensile modulus and other aspects of the tensile stress/strain relationship under the conditions defined.

Cor 1(International), 2000-07-28 Am 1(International), 2007-05-18 Am 1(National), 2007-05-18

SANS 527-2:1993 / ISO 527-2:1993 (2007-02-16)

(SABS ISO 527-2)

Plastics - Determination of tensile properties Part 2: Test conditions for moulding and extrusion plastics

Ed 1.00 A4 11p EN PDF 11p EN

Specifies the test conditions for determining the tensile properties of moulding and extrusion plastics, based upon the general principles given in ISO 527-1. The methods are selectively suitable for use with rigid and semirigid thermoplastics moulding, extrusion and cast materials, rigid and semirigid thermosetting moulding and cast materials, and thermotropic liquid crystal polymers.

Am 1(National), 2007-02-16

SANS 528-1:2007 / ISO 639-1:2002 (2013-01-18)

Codes for the representation of names of languages Part 1: Alpha-2 code

Ed 1.00 A4	44p EN
PD	F 44p EN

Provides a code consisting of language code elements comprising two-letter language identifiers for the representation of names of languages. These were devised for use in terminology, lexicography and linguistics, but are adaptable for any application requiring the expression of language in two-letter coded form, especially in computer systems. Most of the major, frequently used languages of the world's literature are represented, however, it excludes languages exclusively for machine use, such as computer-programming languages.

SANS 528-2:2007 / ISO 639-2:1998 (2013-01-25)

Codes for the representation of names of languages Part 2: Alpha-3 code

Ed 1.00	A4 71p EN	Gr 14
	PDF 71p EN	01.020; 01.140.20

Provides two sets of three-letter alphabetic codes for the representation of the names of languages - one for terminology applications and one for bibliographic applications. These codes were designed for use by libraries, information services and publishers to indicate language in the exchange of information, especially in computer systems. Although widely used in the library community, these codes are adaptable for any application. It excludes languages exclusively for machine use, such as computer-programming languages.

SANS 528-3:2008 / ISO 639-3:2007

Codes for the representation of names of languages Part 3: Alpha-3 code for comprehensive coverage of languages

Ed 1.00	A4 19p EN		
	PDF 19p EN		

Provides a code consisting of language code elements comprising three-letter language identifiers for the representation of languages. Attempts to provide as complete an enumeration of languages as possible, and deals with a very large number of lesser-known languages.

SANS 528-5:2008 / ISO 639-5:2006

Codes for the representation of names of languages P	art 5: Alpha-3 code for language families and groups
	0+ 10

Ed 1.00	A4 30p EN	Gr 10
	PDF 30p EN	01.140.20

Provides a code consisting of language code elements comprising three-letter language identifiers for the representation of names of living and extinct language families and groups. Languages designed exclusively for machine use, such as computer-programming languages, are not included in this code

SANS 529:2007	
(SABS 529)	
Heat-resisting wiring cables	
Ed 3.00 A4 20p EN	Gr 8
PDF 20p EN	29.060.20

Covers single-core cables that have solid, stranded, or flexible conductors of annealed copper, and are intended for use at conductor operating temperatures not exceeding 250 °C in electrical appliances and apparatus at voltages not exceeding 600 V to earth, and in industrial equipment at voltages not exceeding 1 000 V between phases.

01.140.20

Gr 9

Gr 8

Gr 12

01.020; 01.140.20

Gr 7

83.080.01

83.080.01

SANS 530-9:2010 / BS 5839-9:2003 Fire detection and fire alarm systems for buildings Part 9: Code of practice for maintenance of emergency voice communication systems	or the design, installation, commissioning and
Ed 1 00 A4 41p EN	Gr 12
PDF 41p EN	13.220.20: 13.320
Provides recommendations for the planning, design, installation, commissioning ar and around buildings and at sports, entertainment and similar venues. Does not re- system should be installed in a given premises.	nd maintenance of emergency voice communication systems in commend whether or not an emergency voice communication
SANS 531:2007 / ISO 4:1997 (2012-03-16)	
Information and documentation - Rules for the abbreviation of title words and	d titles of publications
Ed 1.00 A4 16p EN PDF 16p EN	Gr 8
Gives rules for abbreviating titles of serials and, if appropriate, non-serial documen	ts in languages using the Latin, Cyrillic and Greek alphabets.
	SIN INELWOIK.
Standard and specifications for industrial medical propellant food and have	arage gases refrigerants and breathing gases
Ed 1 00 A4 21 n EN	Gr 8
PDF 21p EN	71 100.20
Covers industrial gases, medical gases, propellant gases, food and beverage gase	s refrigerants and breathing gases
Covers industrial gases, medical gases, propertant gases, rood and beverage gase	s, reingerants and breathing gases.
SANS 534-1:2012	
Vehicle security - Whole-of-vehicle marking Part 1: Microdot systems	
Ed 2.01 A4 20p EN	Gr 8
PDF 20p EN	13.310
VESA ABS/002:2012, MOD	
Describes the characteristics and methods of application of unique identification ca required to ensure the integrity, authenticity and confidentiality of the entire microdo Am 1(National), 2012-11-09	trriers, called microdots, to vehicles and also the processes of production, supply, storage, and application systems.
SANS 527-2005 (2012-02-15)	
(SABS 537)	
Oven thermostats for electric stoves	
Ed 3.01 A4 17p EN	Gr 7
PDF 17p EN	17.200.20
Specifies requirements for thermostats for use in ovens of electric stoves. The ther which does not exceed 250 V between phase and neutral conductors, and the curre Am 1(National), 2005-05-20	mostats are intended for operation in a.c. circuits, the voltage of ent of which does not exceed 30 A.
SANS 540-1:2009	
(SABS 540-1)	
Fibreboard products Part 1: Uncoated fibreboard	
Ed 4.01 A4 21p EN	Gr 8
PDF 21p EN	79.060.20; 85.060
Specifies the characteristics of uncoated fibreboard.Err 1(National), 1991-05-01Am 1(National), 2009-01-30	
SANS 540-2:2009	
(SABS 540-2)	
Fibreboard products Part 2: Coated fibreboard	
Ed 4.01 A4 12p EN	Gr 6
PDF 12p EN	79.060.20
Specifies the characteristics and requirements for coated fibre board. Am 1(National), 2009-02-06	
SANS 541:2012	
(SABS 541)	
Precast concrete paving slabs	
Ed 3.01 A4 17p EN	Gr 7
PDF 17p EN	91.100.30
Specifies requirements for precess concrete paving slabs for use as a wearing surf-	ace for navements footnaths etc. but not for roads

Specifies requirements for precast concrete paving slabs for use as a wearing surface for pavements, footpaths, etc. but not for roads. Am 1(National), 2012-07-06

SANS 542:2012 (SABS 542) Concrete roofing tiles	
Ed 4.01 A4 21p EN PDF 21p EN	Gr 8 91.060.20
Covers concrete roofing tiles of the plain type and of the interlocking type. Am 1(National), 2012-04-26	
SANS 543:2004 (SABS 543)	
Fire hose reels	
Ed 4.00 A4 19p EN PDF 19p EN	Gr 8
Covers dimensions, construction, materials and performance requirements for fire	hose reels fitted with hose.
SANS 545:2009 (SABS 545)	
Wooden doors	
Ed 3.04 A4 29p EN PDE 29p EN	Gr 9
	79.080; 91.060.50
Am 1(National), 1992-02-20 Cor 1(National), 1995-05-22 Am 3(National), 2009-07-31	Am 2(National), 1999-01-21
SANS 547:2011 / ISO 5173:2009	
Ed 2.00. A4 225 EN	Gr 10
PDF 23p EN	25.160.40
Specifies a method for making transverse root, face and side bend tests on test s cladding without butt welds in order to assess ductility or absence of imperfections for making longitudinal root and face bends tests to be used instead of transverse or filler metal (or both) have a significant difference in their physical and mechanic forms of product with welded joints made by any fusion arc welding process.	specimens taken from butt welds, butt welds with cladding and s (or both) on or near the surface of the joint. Specifies a method bend tests for heterogeneous assemblies when base materials al properties in relation to bending. Applies to materials in all
SANS 548:2003 (SABS 548)	
Cationic bitumen road emuisions	Gr 5
PDF 9p EN	93.080.20
Covers the requirements for three types (of the appropriate grade(s) given in table preparation and treatment of road and other surfaces carrying wheeled and foot tr	1) of cationic bitumen road emulsions suitable for the affic.
Am 1(National), 1974-03-01 Am 2(National), 1976-05-01	Am 3(National), 1977-08-01
Am 4(National), 1986-11-01 Am 5(National), 1987-06-01 Am 7(National), 2003-07-18	Am 6(National), 1997-10-06
SANS 549:2012	
Shower enclosures for domestic purposes	
Ed 1.01 A4 13p EN PDF 13p EN	Gr 6
Specifies requirements for the installation of shower enclosures for domestic purp buildings that have an occupancy class A2, A3, E2, E3, H1, H2, H3 or H4. Does n aesthetic and dimensional requirements. Am 1(National), 2012-03-16	oses. Applies in general to shower enclosures installed in ot apply to shower cabinets or curtains and does not specify
SANS 550-1:2011 (SABS 550-1)	
Wooden ladders Part 1: General requirements and methods of test	
Ed 3.02 A4 31p EN	Gr 10
PDF 31p EN	97.145
Covers the general requirements and methods of test for 7 types of wooden ladde parts of this standard.	rrs, the specific requirements for which are covered in the other

Am 1(National), 2003-04-14 Am 2(National), 2011-03-25

SANS 550-2:2005 (2010-11-26) (SABS 550-2) Wooden ladders Part 2: Single and extension ladders Ed 3.01 A4 11p EN PDF 11p EN	Gr 6 97.145
Covers specific requirements for single and extension ladders. Am 1(National), 2005-09-16	
SANS 550-3:2005 (2010-11-26) (SABS 550-3) Wooden ladders Part 3: Trestle and extension trestle ladders Ed 3.01 A4 9p EN PDF 9p EN Covers specific requirements for trestle and extension trestle ladders.	Gr 5 97.145
Am 1(National), 2005-09-09	
SANS 550-4:2005 (2010-11-26) (SABS 550-4) Wooden ladders Part 4: Step-ladders, platform ladders and shelf ladders Ed 3.01 A4 12p EN PDF 12p EN	Gr 6 97.145
Covers specific requirements for step-ladders, platform ladders and shelf ladders. Am 1(National), 2005-09-09	
SANS 551:2009 Detonators, relays and explosives initiating devices for commercial application Ed 1.00 A4 42p EN PDF 42p EN Covers the following initiation devices and initiation systems: Non-electric detonator detonators, igniters and relays.	ons Gr 12 71.100.30 ors, electronic detonators, electric detonators, permitted electric
SANS 552:2003 Paint-rollers including handle-frames and refills	
Ed 1.00 A4 13p EN PDF 13p EN	Gr 6 87.100
Specifies the requirements for handle-frames, woolskin refills and pile fabric refills paint-rollers for fibre-glass application.	for paint-rollers for oil-based and water-based paints. Excludes
SANS 553-1:2008 / ISO 6185-1:2001 Inflatable boats Part 1: Boats with a maximum motor power rating of 4,5 kW	
Ed 1.00 A4 38p EN PDF 38p EN	Gr 11 47.080
Specifies the minimum safety characteristics required for the design, materials to u inflatable boats) less than 8 m in overall length with a minimum buoyancy of 1 800 Excludes single-chambered boats. Is not applicable to aquatic toys and inflatable li	use, manufacture and testing of inflatable boats (including rigid N. Is applicable to types I, II, III and IV inflatable boats. iferafts.
SANS 553-2:2008 / ISO 6185-2:2001 Inflatable boats Part 2: Boats with a maximum motor power rating of 4,5 kW t	to 15 kW inclusive
Ed 1.00 A4 34p EN PDF 34p EN	Gr 11 47.080
Specifies the minimum safety characteristics required for the design, materials to u inflatable boats) less than 8 m in overall length with a minimum buoyancy of 1 800 single-chambered boats and boats made from unsupported materials of more than not applicable to aquatic toys and inflatable liferafts.	use, manufacture and testing of inflatable boats (including rigid N. Is applicable to type V and type VI inflatable boats. Excludes a 12 kN buoyancy and powered by motors exceeding 4,5 kW. Is
SANS 553-3:2008 / ISO 6185-3:2001 Inflatable boats Part 3: Boats with a maximum motor power rating of 15 kW a	und greater
Ed 1.00 A4 32p EN PDF 32p EN	Gr 11 47.080
Specifies the minimum safety characteristics required for the design, materials to u	use, manufacture and testing of inflatable boats (including rigid

Specifies the minimum safety characteristics required for the design, materials to use, manufacture and testing of inflatable boats (including rigid inflatable boats) less than 8 m in overall length with a minimum buoyancy of 1 800 N. Is applicable to type VII and type VIII inflatable boats. Excludes single-chambered boats and boats made from unsupported materials. Is not applicable to aquatic toys and inflatable liferafts.

SANS 554:1976 / ISO 554:1976 (2009-03-27) (SABS ISO 554) Standard atmospheres for conditioning and/or testing - Specifications Ed 1.00 A4 6p EN PDF 6p EN	Gr 6 07.060: 19.020
Specifies three atmospheres approximated to the natural environmental conditions Am 1(National), 2009-03-27	. However, it is desirable to use only one of these.
SANS 555:2007 (SABS 555) Unused and reclaimed mineral insulating oils for transformers and switchgea Ed 5.00 A4 11p EN PDF 11p EN	ar Gr 6 29 040 10
Specifies requirements for unused and reclaimed oxidation inhibited and unhibited switchgear and similar electrical equipment in which oil is required as an insulant or insulating oils used as impregnates in cables or capacitors nor hydrocarbon insulation	mineral insulating oils, as derived, for use in transformers, r for heat transfer. This standard does not cover mineral ing liquids obtained by synthesis.
SANS 556-1:2012 Low-voltage switchgear Part 1: Circuit-breakers Ed 1.01 A4 6p EN PDF 6p EN Covers circuit-breakers of any design and current rating, the main contacts of which exceeding 1.000 V a c. or 1.500 V d.c. Does not cover circuit-breakers that incorrect	Gr 4 29.130.20 h are intended to be connected to circuits with rated voltages not rate residual current protection, or circuit-breakers for
equipment. Am 1(National), 2012-11-23	
SANS 556-2-1:2012 Low-voltage switchgear Part 2-1: Earth leakage circuit-breakers Ed 1.00 A4 6p EN PDF 6p EN	Gr 4
Covers earth leakage circuit-breakers (ELCBs), the main contacts of which are interexceed 1 000 V a.c. or 1 500 V d.c.	ended to be connected to circuits with rated voltages that do not
SANS 556-2-3:2012 Low-voltage switchgear Part 2-3: Modular earth leakage devices (without inte	egral current breaking)
Ed 1.00 A4 5p EN PDF 5p EN	Gr 4 29.130.20
Covers modular earth leakage devices (MELDs) that do not incorporate a current-b exceed 1 000 V a.c. or 1 500 V d.c.	preaking device, for use in circuits with rated voltages that do not
SANS 556-2-4:2012 Low-voltage switchgear Part 2-4: Portable earth leakage devices without inte	gral overcurrent protection for household and similar
Ed 1.00 A4 5p EN PDF 5p EN	Gr 4 29.130.20
Covers portable earth leakage devices (PELDs) for household and similar use, that phase circuits for rated currents that do not exceed 16 A for voltages that do not exvoltages that do not exceed 130 V a.c. to earth.	t do not incorporate overcurrent protection, for use in single- cceed 250 V a.c. or for rated currents that do not exceed 32 A for
SANS 557:2008 / ISO 10087:2006 Small craft - Craft identification - Coding system	
PDF 9p EN	47.080
Establishes a coding system to achieve identification of any small craft in terms of identification code of the manufacturer, serial number, month and year of manufac materials, of hull length up to 24 m. Does not apply to beach or bathing toys.	identification code of the country of the manufacturer, ture, and model year. Applies to small craft of all types and
SANS 558:2009 (SABS 558)	
Cast iron surface boxes and manhole and inspection covers and frames Ed 3.05 A4 39p EN PDF 39p EN	Gr 10 77.140.80; 91.140.80
Covers the material, dimensional, mass, constructional, and strength requirements types of cast iron surface boxes (with covers) for meters, valves, stopcocks, and here transport to the stop of the	for fifteen types of cast iron manhole covers and frames, eleven ydrants, and two types of cast iron inspection covers and
Am 1(National), 1976-03-01 Am 2(National), 1979-02-01 Am 4(National), 1991-11-01 Am 5(National), 2009-12-04	Am 3(National), 1981-11-01

Standards South Africa Catalogue 2013 NUM - 66

SANS 559:2005 (2011-11-18) (SABS 559) Vitrified clay sewer pipes and fittings Ed 4.04 A4.420 EN		Gr 11
PDF 42p EN		23.040.50; 91.140.80
Covers vitrified clay sewer pipes and fitti jointing, bitumen run jointing, preformed Am 1(National), 1971-08-01 Am 4(National), 2005-04-29	ngs suitable for jointing by one of the follo factory-applied jointing, plain-end pipe join Am 2(National), 1979-11-01	wing methods: mortar caulking jointing, rolling rubber ring nting, or slip-seal rubber jointing. Am 3(National), 1982-08-01
SANS 560:2010 / ISO 10088:2009 Small craft - Permanently installed fue	el systems	
Ed 2.00 A4 14p EN PDF 14p EN		Gr 7 47.080
Covers the requirements for the design, internal combustion engines.	materials, construction, installation and te	sting of permanently installed fuel systems as installed for
SANS 561:2008 / ISO 10133:2000 Small craft - Electrical systems - Extra	-low-voltage d.c. installations	
Ed 1.00 A4 21p EN PDF 21p EN		Gr 9 47.080
Specifies the requirements for the design nominal potentials of 50 V d.c. or less or manufacturer.	n, construction and installation of extra-lov n small craft of hull length up to 24 m. Doe	w-voltage direct current electrical systems which operate at s not cover engine wiring as supplied by the engine
SANS 563:2008 / ISO 10134:2003 Small craft - Electrical devices - Light	ning-protection systems	
Ed 1.00 A4 14p EN PDF 14p EN		Gr 7 47.080
Establishes guidelines for the design, co	nstruction and installation of lightning-pro	tection systems fitted on small craft of hull length up to 24 m.
SANS 564:2007 (2012-06-29) (SABS 564) Rubber insertion sheeting		Gr 6
PDF 11p EN		23.040.80; 83.140.10
Covers fabric-reinforced rubber sheeting and ageing properties. Am 1(National), 2007-03-16	used as jointing in low pressure water, ai	r or steam lines. Specifies dimensions, construction, physical
SANS 565:2003 / BS 5651:1989 (2008- Cleansing and wetting procedures for fabrics and fabric assemblies	08-22) • use in the assessment of the effect of	cleansing and wetting on the flammability of textile
Ed 1.00 A4 11p EN PDF 11p EN		Gr 6
Describes laboratory procedures for clear methods other than those given in BS 54 Am 1(International), 2003-02-14	nsing and wetting textile fabrics and fabri I38 are used to assess flammability.	c assemblies. These procedures may also be applicable where
SANS 566:2009 / ISO 10239:2008 Small craft - Liquefied petroleum gas	(I PG) systems	
Ed 2.00 A4 19p EN PDF 19p EN		Gr 9 47.080
Covers permanently installed liquefied performed by the systems used on LPG-fuelled propuls such as portable self-contained camping	etroleum gas (LPG) systems and LPG bu sion engines or LPG-driven generators. Do stoves and portable gas lamps.	rning appliances on small craft of hull length up to 24 m, except bes not cover appliances with directly attached gas cylinders,
SANS 567:2007 / ISO 567:1995 (2013-0 Coke - Determination of bulk density i	2-08) n a small container	
Ea 1.00 A4 /p EN PDF 7p EN		Gr 6 75.160.10
Specifies a method for the determination a nominal top size not greater than 125 r	of the bulk density of coke in a cubical comm.	ontainer of capacity 0,2 cubic metres. It is applicable to coke with

Ed 1.00 A4 7p EN PDF 7p EN	Gr 5
Specifies safety requirements for open-sided passenger vehic adapted for operation on a public road. Does not apply to com	ds.100 cles that are converted from vehicles of categories M and N and that are designed or versions that retain the enclosed side, rear and roof structures of the base model.
CANC 570-0009	
Directional stability performance of vehicles in the event	of tyre failure
Ed 1.00 A4 8p EN	Gr 5
PDF 8p EN	43.040.99; 43.100; 83.160.10
Specifies requirements for directional stability performance for units, combinations of vehicles or failure of a tyre on a dual-w	r rigid passenger vehicles in the event of a tyre failure. It does not apply to articulated heeled axle.
SANS 575:2008 / ISO 5774:2006	
Plastics hoses - Textile-reinforced types for compressed-	air applications - Specification
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	23.040.70
Specifies the requirements for four types of flexible thermopla degrees celcius to +60 degrees celcius.	stic hose, textile reinforced, for compressed-air applications in the range from -10
SANS 576:2011 / ISO 1825:2010	
Rubber hoses and hose assemblies for aircraft ground fu	elling and defuelling - Specification
Ed 2.00 A4 34p EN	Gr 11
PDF 34p EN	49.100; 83.140.40
Specifies the dimensions of, and requirements for, four types fuelling and defueling of aircraft.	of hose and hose assembly for use in all operations associated with the ground
SANS 578-2:2008 / ISO 10245-2:1994	
Cranes - Limiting and indicating devices Part 2: Mobile cr	anes
Ed 1.00 A4 8p EN	Gr 6
PDF 8p EN	53.020.20
Specifies the requirements for devices that limit or indicate (or	r both) the loads, motions, performance and environment of mobile cranes.
SANS 579:2005 / ISO 579:1999 (2010-04-30) Coke - Determination of total moisture	
Ed 1 00 A4 8p EN	Gr 6
PDF 8p EN	75.160.10
Specifies a method for determining the total moisture of coke. and other high-temperature carbonization products.	It can be used for the determination of moisture of blast-furnace coke, foundry coke
SANS 580:2007 (2012-06-29) (SABS 580)	
Chloroprene rubber sheet (for waterproofing)	
Ed 1.02 A4 11p EN	Gr 6
PDF 11p EN	83.140.10; 91.120.30
Covers chloroprene rubber sheet used in waterproofing applic and chemical properties.	ations. Specifies requirements for materials, workmanship, dimensions and physical
Am 1(National), 1974-08-01 Am 2(National), 200)7-05-25
SANS 581:2007 (SABS 581)	
Semi-flexible vinvl floor tiles	
Ed 3.02 A4 20p EN	Gr 8
PDF 20p EN	83.140.99; 91.060.30
Specifies the characteristics of smooth-surfaced semi-flexible mottled throughout their thickness.	vinyl floor tiles, of six types based on tile thickness. The tiles may be marbled or
Am 1(National), 1999-12-10 Am 2(National), 200)7-06-08

Gr 9 47.080

Small craft - Owner's manual Ed 1.00 A4 20p EN PDF 20p EN

SANS 568:2008 / ISO 10240:2004

Specifies the information that is included in the owner's manual of small craft of hull length up to 24 m.

SANS 569:2007 (2013-02-22)

Open-sid	led passenger vehicles
Ed 1.00	A4 7p EN
	PDF 7p EN

SANS 584:2008 Soda-lime granules (with indicator) for use during anaesthesia for carbo	n diavide absorption
Ed 1 00 A4 14b EN	Gr 6
PDF 14p EN	11.040.10:71.060.50
Specifies the requirements for soda-lime granules with indicator for use in clo rebreathing of volatile anaesthetics by absorbing carbon dioxide.	sed and semi-closed breathing circuits. Soda lime allows for
SANS 585:2011 (SABS 585) The production of frozen fish, marine molluscs, and products derived th Ed 3.01 A4 51p EN	erefrom Gr 12
PDF 51p EN	07.100.30; 67.120.30
Specifies requirements for the handling, preparation, processing, packaging, molluscs, and products derived therefrom which are intended for human cons involved in the production. Am 1(National), 2011-10-21	transportation, freezing, storage and quality of frozen fish, marine sumption. It also specifies requirements for factories and employees
SANS 586:2007	
Besin modified vinvl floor tiles	
Ed 3.01 A4 17p EN	Gr 7
PDF 17p EN	83.140.99; 91.060.30
Specifies the characteristics of smooth-surfaced resin modified vinyl floor tiles	s. The floor tiles may be marbled or mottled throughout their
thickness. Am 1(National), 2007-07-13	
SANS 587:2011	
(SABS 587)	
Canned fish, canned marine molluscs and canned crustaceans, and pro	ducts derived therefrom
Ed 2.01 A4 85p EN	Gr 14
PDF 85p EN	07.100.30; 67.120.30
Covers the manufacture, production, processing, and treatment of canned fisl mollusc products, canned crustaceans and canned crustacean products. Am 1(National), 2011-11-18	h, canned fish products, canned marine molluscs, canned marine
SANS 588:2008 (SABS 588)	
Woollen overcoating	
Ed 4.00 A4 10p EN	Gr 5
PDF 10p EN	59.080.30
Specifies requirements for four types of woollen fabric suitable for use in the r	manufacture of overcoats.
SANS 589:2009 / ISO 589:2008 Hard coal - Determination of total moisture	
Ed 2.00 A4 16p EN	Gr 8
PDF 16p EN	73.040
Specifies two methods for the determination of the total moisture content of h	ard coals.
SANS 593 AND SANS 592:1957 (SABS 593 AND SANS 592)	
Wood preservative mixtures containing 1) high temperature creosote an coal tar (SANS 592 and SANS 593, bound together)	d coal tar or 2) low and medium temperature creosote and
Ed 1.00 A4 12p EN Bound together with SANS 592 PDF 12p EN	Gr 6 71.100.50
Covers a type D wood preservative mixture containing creosote and coal tar. cent of coal tar expressed as a percentage of the total volume of the mixture.	It is a low and medium temperature creosote, containing up to 40 per
SANS 595:2009 (SABS 595)	
Sterilized sodium chloride intravenous infusion	
Ed 5.01 A4 13p EN PDF 13p EN	Gr 6 11 120 10
Covers chemical and biological requirements for a solution of sodium chloride containers, sealed and sterilized. It also specifies the required marking. Am 1(National), 2009-04-09	e in water for injections that has been dispensed into suitable

(SABS 597)	
Sterilized compound sodium lactate intravenous infusion (Ringer-lactate solu	ition for injection)
Ed 5.00 A4 16p EN	Gr 7
PDF 16p EN	11.120.10
Covers chemical and biological requirements for a solution of sodium chloride, pota injections that has been dispensed into suitable containers, sealed and sterilized.	assium chloride, calcium chloride and sodium lactate in water for also specifies the required marking.
SANS 598:2008 (SABS 598)	
Sterilized dextrose intravenous infusion	
Ed 5.00 A4 12p EN	Gr 6
PDF 12p EN	11.120.10
Covers chemical and biological requirements for a solution of dextrose in water for sealed and sterilized. It also specifies the required marking.	injections that has been dispensed into suitable containers,
SANS 599:2009 (SABS 599)	
Sterilized sodium chloride and dextrose intravenous infusion	
Ed 5.01 A4 14p EN	Gr 6
PDF 14p EN	11.120.10
Covers chemical and biological requirements for a solution of sodium chloride and suitable containers, sealed and sterilized. It also specifies the required marking. Am 1(National), 2009-03-13	dextrose in water for injections that has been dispensed into
SANS 601:2011 Dynamometer testing for replacement brake lining assemblies and drum brak N1	te linings intended for vehicles of category M1, M2 and
Ed 1.02 A4 10p EN	Gr 5
PDF 10p EN	43 040 40
Specifies a test method for inertia dynamometer testing of replacement brake lining category M1, M2 and N1. Am 1(National), 2009-11-13 Am 2(National), 2011-01-28	g assemblies and drum brake linings intended for vehicles of
SANS 602:2007 / ISO Guide 30:1992 (2009-07-10)	
SANS 602:2007 / ISO Guide 30:1992 (2009-07-10) Terms and definitions used in connection with reference materials	
SANS 602:2007 / ISO Guide 30:1992 (2009-07-10) Terms and definitions used in connection with reference materials Ed 1.00 A4 13p EN	Gr 7
SANS 602:2007 / ISO Guide 30:1992 (2009-07-10) Terms and definitions used in connection with reference materials Ed 1.00 A4 13p EN PDF 13p EN	Gr 7 01.040.17; 17.020
SANS 602:2007 / ISO Guide 30:1992 (2009-07-10) Terms and definitions used in connection with reference materials Ed 1.00 A4 13p EN PDF 13p EN Recommends terms and the meanings that should be assigned to them when used to terms that are used in reference material certificates and corresponding certificates Am 1(International), 2009-07-10	Gr 7 01.040.17; 17.020 d in connection with reference materials, with particular attention tion reports
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SANS 602:2007 / ISO Guide 30:1992 (2009-07-10) Terms and definitions used in connection with reference materials Ed 1.00 A4 13p EN PDF 13p EN Recommends terms and the meanings that should be assigned to them when used to terms that are used in reference material certificates and corresponding certificat Am 1(International), 2009-07-10 SANS 603:2007 / ISO Guide 31:2000 Reference materials - Contents of certificates and labels Ed 1.00 A4 14p EN PDF 14p EN PDF 14p EN Assists producers in the preparation of clear and concise certificates to accompany essential character, should help to provide, in summary form, all the information ne SANS 604:2007 / ISO Guide 32:1997 Calibration in analytical chemistry and use of certified reference materials Ed 1.00 A4 13p EN PDF 13p EN The calibration of the parameters associated with chemical analyses and material to be made by neglecting or ignoring the basic principles of metrology which also app recommendations for those who, either in laboratories or as assessors, are faced v SANS 605:2007 / ISO Guide 33:2000 Uses of certified reference materials	Gr 7 01.040.17; 17.020 d in connection with reference materials, with particular attention tion reports Gr 7 17.020 v certified reference materials. Such certificates, while their veded by the user of the reference material. Gr 7 17.040.30 resting deserves particular attention, because major errors can by to these areas. This guide identifies a number of general with this problem.
SANS 602:2007 / ISO Guide 30:1992 (2009-07-10) Terms and definitions used in connection with reference materials Ed 1.00 A4 13p EN PDF 13p EN Recommends terms and the meanings that should be assigned to them when used to terms that are used in reference material certificates and corresponding certificat Am 1(International), 2009-07-10 SANS 603:2007 / ISO Guide 31:2000 Reference materials - Contents of certificates and labels Ed 1.00 A4 14p EN PDF 14p EN PDF 14p EN SANS 604:2007 / ISO Guide 32:1997 Calibration in analytical chemistry and use of certified reference materials Ed 1.00 A4 13p EN PDF 13p EN The calibration of the parameters associated with chemical analyses and material to be made by neglecting or ignoring the basic principles of metrology which also app recommendations for those who, either in laboratories or as assessors, are faced v SANS 605:2007 / ISO Guide 33:2000 Uses of certified reference materials Ed 1.00 A4 30p EN	Gr 7 01.040.17; 17.020 d in connection with reference materials, with particular attention tion reports Gr 7 17.020 v certified reference materials. Such certificates, while their keded by the user of the reference material. Gr 7 17.040.30 resting deserves particular attention, because major errors can by to these areas. This guide identifies a number of general with this problem. Gr 10
SANS 602:2007 / ISO Guide 30:1992 (2009-07-10) Terms and definitions used in connection with reference materials Ed 1.00 A4 13p EN PDF 13p EN Recommends terms and the meanings that should be assigned to them when used to terms that are used in reference material certificates and corresponding certificat Am 1(International), 2009-07-10 SANS 603:2007 / ISO Guide 31:2000 Reference materials - Contents of certificates and labels Ed 1.00 A4 14p EN PDF 14p EN PDF 14p EN SANS 604:2007 / ISO Guide 32:1997 Calibration in analytical chemistry and use of certified reference materials Ed 1.00 A4 13p EN PDF 13p EN The calibration of the parameters associated with chemical analyses and material to be made by neglecting or ignoring the basic principles of metrology which also app recommendations for those who, either in laboratories or as assessors, are faced v SANS 605:2007 / ISO Guide 33:2000 Uses of certified reference materials Ed 1.00 A4 30p EN PDF 30p EN	Gr 7 01.040.17; 17.020 d in connection with reference materials, with particular attention tion reports Gr 7 17.020 v certified reference materials. Such certificates, while their eeded by the user of the reference material. Gr 7 17.040.30 testing deserves particular attention, because major errors can by to these areas. This guide identifies a number of general with this problem. Gr 10 71.040.30

Specifies the characteristics of short-pitch precision roller and bush chains with associated sprockets suitable for mechanical transmission of

SANS 607:2011 / ISO Guide 34:2009 General requirements for the competence of reference material producers Ed 2.00 A4 41p EN Gr 12 PDF 41p EN 03.120.10; 71.040.30

Sets general requirements in accordance with which a reference material producer has to demonstrate that it operates, if it is to be recognized as competent to carry out the production of reference materials. It is intended for the use of reference material producers in the development and implementation of their quality systems, and by accreditation bodies, certification bodies and others concerned with assessing the competence of reference material producers. Quality system requirements in accordance with which reference materials shall be produced. It is intended to be used as part of a reference material producer's general quality assurance (QA).

SANS 608:2007 / ISO Guide 35:2006 Reference materials - General and statistical prim	ciples for certification
Ed 1.00 A4 71p EN	Gr 14
PDF 71p EN	71.040.30
Statistical principles to assist in the understanding ar including the evaluation of their associated uncertaini steps described in this Guide are usually accompanie	Id development of valid methods to assign values to properties of a reference material, ity, and establish their metrological traceability. Reference materials (RMs) that undergo all ed by a certificate and called a certified reference material (CRM).
SANS 609:1996 / ISO 609:1996 (2012-04-20) (SABS ISO 609)	
Solid mineral fuels - Determination of carbon and	hydrogen - High temperature combustion method
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	73.040; 75.160.10
Specifies a method of determining the total carbon at combustion method.	nd the total hydrogen in hard coal, brown coal and lignite, and coke, by a high temperature
Cor 1(International), 2001-01-26 Am 1(Natio	nal), 2006-04-13
SANS 612:2007 / BS 5970:2001	
Code of practice for thermal insulation of pipewo	rk and equipment in the temperature range of -100 $^{ m \circ}$ C to +870 $^{ m \circ}$ C
Ed 1.00 A4 125p EN	Gr 15
PDF 125p EN	23.040.01; 27.220; 91.100.60
Describes aspects of thermal insulation for pipework described and can be used outside the temperature r	and equipment in the temperature range -100 °C to +870 °C. Installation techniques are range indicated, however, specialist advice should be sought.
SANS 613:2011	
Fenestration products - Mechanical performance	criteria
Ed 1.02 A4 11p EN	Gr 6
PDF 11p EN	91.060.50

Specifies the criteria for the performance in respect of wind action (deflection and structural strength), water penetration, air penetration and operation of fenestration products (such as windows, doors, curtain walls and roof lights), within the confines of the perimeter of the main frame, irrespective of the framing material.

Am 1(National), 2009-06-05 Am 2(National), 2011-08-19

SANS 615-3:2009 / ISO 10245-3:2008

Cranes - Limiting and indicating devices Part 3: Tower cranes

Ed	1.00	A4 13p EN
		PDF 13p EN

SANS 606:2006 / ISO 606:2004

PDF 34p EN

Ed 1.00 A4 34p EN

dynamic strength.

Gives requirements specific to tower cranes for limiting and indicating devices. Is applicable to tower cranes as defined in ISO 4306-3 (published in South Africa as an identical adoption under the designation SANS 4306-3). Is not applicable to end stops such as buffers used to stop trolleying, travelling or derricking movements, nor to erection, dismantling operations or the changing of a crane's configuration.

SANS 616:2012

Wood-preserving creosote mixtures and coal-tar mixtures			
Ed 1.02	A4 44p EN	Gr 11	
	PDF 44p EN	71.100.50	

Covers coal tar that is derived entirely from the carbonization of bituminous coal and this coal tar may either be a coal-tar distillate (creosote) or a solution of coal tar in coal-tar distillate and is intended for use in the preservation of timber.

power and allied applications. It covers dimensions, tolerances, length measurement, preloading, minimum tensile strengths and minimum

Short-pitch transmission precision roller and bush chains, attachments and associated chain sprockets Gr 11

21.220.30

Gr 7 53.020.20

Standards South Africa Catalogue 2013

SANS 618:2009 / ISO 10324:1997	
Information and documentation - Holdings statements - S	ummary level
Ed 1.00 A4 36p EN PDF 36p EN	Gr 11
Specifies display requirements for holdings statements at the communication and exchange of holdings information. Is inter readable reporting not in display form, the data elements spec the machine record.	summary level for serial and non-serial items, to promote consistency in the nded for use in reporting holdings when reporting is in display form. For machine- sified in this standard should be included, although their order etc., may be different in
SANS 619:2007	
(SABS 619)	
End 2.02 A4.13p EN	Gr 6
PDF 13p EN	75.100
This specification covers a liquid (based on a mineral oil or or intended primarily for use as a coolant and lubricant in light-du Am 1(National) . 2001-05-04 Am 2(National) . 200	a synthetic oil) that,when mixed with water, readily forms a stable emulsion that is uty machining operations on metals(ferrous and non-ferrous).
SANS 621:2005	
(SABS 621)	
Castors for hospital equipment	
Ed 3.02 A4 22p EN	Gr 8
	11.140; 97.140
Covers constructional and performance requirements for fixed and are intended for use on wheeled hospital equipment.Am 1(National), 1988-08-01Am 2(National), 200	a and swivel type castors that have wheel diameters in the range 50 mm to 250 mm
SANS 622:2005 (2011-12-01)	
(SABS 622)	
Gypsum cove cornice	
Ed 2.02 A4 10p EN PDF 10p EN	Gr 5
Describes the requirements for gypsum cove cornice for use i Am 1(National), 1980-08-01 Am 2(National), 200	n buildings.)5-06-10
SANS 626-2:2007 / ISO 1213-2:1992 (2013-02-08)	
Solid mineral fuels - Vocabulary Part 2: Terms relating to	sampling, testing and analysis
Ed 1.00 A4 16p EN	Gr 8
PDF 16p EN	01.040.75; 75.160.10
Defines 205 terms commonly employed in the sampling, testi	ng and analysis of solid mineral fuels.
SANS 628:2008	
Ed 1 00 A4 8p EN	mm Gr 5
PDF 8p EN	43 040 70
Specifies requirements for mechanical ball type couplings of o	diameter exceeding 50 mm.
SANS 630:2009	
Decorative high gloss enamel paints	
Ed 3.02 A4 16p EN	Gr 7
PDF 16p EN	87.040
Specifies the requirements for two grades of air-drying gloss e hardboard, compressed fibre board, and similar materials use Am 1(National), 2004-05-21 Am 2(National), 200	enamel paints for use on suitably primed and uncoated steel, wood, masonry, d in the construction and finishing of buildings. 09-10-30
SANS 631:2009	
Crocodiles in captivity	
Ed 1.00 A4 24p EN PDE 24p EN	Gr 8
	65.020.30

Lays down requirements for the humane treatment of crocodiles for the purposes of breeding, rearing, transportation, translocation, slaughtering and exhibition by crocodile keepers or any other party keeping crocodiles for such purposes. It also covers environmental conditions for the breeding, rearing, transportation, slaughtering and exhibition of crocodiles in captivity, risks associated with crocodile farming, activities related to exhibition, and the health and safety of employees.

NUMERICAL LIST OF STANDARDS		
SANS 632:2007 (SABS 632) Clay roofing tiles Ed 2.01 A4 13p EN PDF 13p EN		Gr 6 91.060.20
Both Broseley and Marseilles pattern tile Am 1(National), 2007-03-09	s are covered. Methods of test are give	en for dimensions, shape, transverse strength and permeability.
SANS 633:2012 Soil profiling and rotary percussion b Ed 1.00 A4 33p EN	orehole logging on dolomite land in	Southern Africa for engineering purposes Gr 10
PDF 33p EN		93.020
Establishes requirements for soil profiling	g and rotary percussion borehole loggir	ng on dolomite land.
SANS 634:2012 Geotechnical investigations for towns	ship development	
Ed 1.00 A4 19p EN PDF 19p EN		Gr 8
Establishes requirements applicable to a unoccupied land or undeveloped parcels	ו preliminary and two-phase detailed ge of land are utilized for township develo	eotechnical site investigation on land including dolomite land, where opment purposes.
SANS 635:2012 (SABS 635) Elastomeric structural glazing and pa Ed 1.03 A4 14p EN PDF 14p EN	nel gaskets	Gr 6 91.100.50
Covers locking compression-type gasked permanent deformation under load is ess material of the gaskets and the hardness Am 1(National), 1976-05-01	systems used for load-bearing applica sential. Also covers gasket systems su s of locking strips. Am 2(National), 2007-03-16	ations in buildings where resistance to weather, flame, and pplied in coils and made-up form, and the physical properties of the Am 3(National), 2012-12-07
SANS 636:2009		
(SABS 636) Disinfectants based on quaternary am	monium compounds	
Ed 4.00 A4 18p EN		Gr 7
PDF 18p EN		71.100.35
Specifies requirements for two types of c intended for the evaluation of disinfectan	Jisinfectants based on quaternary amm its based on quaternary ammonium co	nonium compounds intended for use on inanimate surfaces. It is mpounds for general use.
SANS 637:2008 (SABS 637)		
Wood-wool panels (cement-bonded)		
Ed 1.01 A4 12p EN PDF 12p FN		Gr 6
Covers the materials and the dimensiona building. Panels which are to be used in	al, constructional, and physical requirer external or unduly exposed positions n	nents for two types of cement-bonded wood-wool panels for use in nust be covered in accordance with the manufacturer's
recommendations. Am 1(National), 2008-01-25		
SANS 638:2004 / SADC HS 15:2004 (SABS 638)		
Food grade salt		0.7
PDF 17p EN		Gr 7 71.060.50
Specifies requirements for food grade sa sea, from underground rock salt deposits prescribes packing and marking requirer	alt, both for direct sale to the consumer s and from natural brine. It covers gene nents.	and for use in food manufacturing. It includes salt obtained from the eral and detailed requirements, sets limits for contaminants and
SANS 639:2009 (SABS 639)		
Detergent-disinfectants based on qua	ternary ammonium compounds	
Ed 3.00 A4 24p EN PDF 24p EN		Gr 9 71.100.35
Specifies requirements for two types of c compatible surface-active agents and ph with potable water and have had gross s on quaternary ammonium compounds for	detergent-disinfectants based on quate iosphates) that are miscible with water oil removed, and are free from visible s or general use.	rnary ammonium compounds and other chemical agents (such as and intended for use on inanimate surfaces that have been cleaned soil. It is intended for the evaluation of detergent-disinfectants based

Standards South Africa Catalogue 2013 NUM - 73

SANS 641:2010 (SABS 641) Flexible polyurethane (polyester) foa	ams	
Ed 1.02 A4 10p EN PDF 10p EN		Gr 5 83.100
Covers the requirements for five classe sheets, and shapes cut from these. Ea Am 1(National), 2007-03-30	es (based on density) of flexible polyuretha ich class is subdivided, according to the ha Am 2(National), 2010-04-09	ne foams of the polyester type, in the form of blocks, slabs, rdness of the foam, into two grades.
SANS 642:2010 (SABS 642)		
Reconstituted flexible polyurethane	foams	
Ed 1.02 A4 8p EN PDF 8p EN		Gr 5 83.100
Covers the requirements for seven clast tensile properties, resistance to heat a methods.	sses (based on density) of reconstituted po nd humidity aging, tear resistance, fatigue i	lyurethane foams. Gives requirements for compression set, resistance, and flammability together with the corresponding test
Am 1(National), 2007-03-16	Am 2(National), 2010-03-26	
SANS 643:2013 (SABS 643)		
Disinfectants based on stabilized in	organic chlorine compounds	
Ed 2.02 A4 15p EN PDF 15p EN		Gr /
Specifies requirements for two types of for use on inanimate surfaces. Include: carbonate plus boric acid.	f disinfectant that contain stabilized inorgar s sodium hypochlorite stabilized with calciu	nic chlorine compounds that are miscible with water and intended im hypochlorite and calcium hypochlorite stabilized with sodium
Am 1(National), 2007-12-14	Am 2(National), 2013-03-15	
SANS 644:1977 (1999-02-19) (SABS 644)		
Boot and shoe sizing and marking (Mondopoint system)	
Ed 1.00 A4 23p EN		Gr 9
Covers a system for the sizing of footw Incorporates the ISO requirements. Ta comparative purposes in retail stores a Am 1(National), 1979-06-01	ear that is applicable to all types of boots a bles with suggested width intervals for use are given in appendices.	and shoes. The method for the measuring of the lasts is covered. in South Africa and Mondopoint numbers to be used for
SANS 647:1974 / ISO 647:1974 (2013 (SABS ISO 647)	i-02-08)	
Brown coals and lignites - Determin	ation of the yields of tar, water, gas and	coke residue by low temperature distillation
Ed 1.00 A4 9p EN PDF 9p EN		Gr 6 73.040
Specifies a method for the determination final temperature of 520 degrees Celci Am 1(National), 2007-09-21	on of the yields of tar, water, gas and coke us.	residue obtained from brown coal and lignite by distillation to a
SANS 650:2012 (SABS 650)		
Laundry detergent (for use in non-au	utomatic domestic washing machines)	
Ed 3.02 A4 10p EN		Gr 5
PDF TOP EN		71.100.40
Specifies the characteristics of one typ in either hard or soft water of textiles m Am 1(National), 2008-08-15	e of laundry detergent intended for the was ade of cotton or of cotton-and-synthetic fib Am 2(National), 2012-11-30	shing (by hand and in non-automatic domestic washing machines) re yarns.
SANS 651:2012 (SABS 651)		
Low-foam laundry detergent (for use	e in automatic and non-automatic dome	stic washing machines)
Ed 3.01 A4 10p EN PDF 10p EN		Gr 5 71.100.40
Specifies the characteristics of one typ washing machines) in either hard or so Am 1(National), 2012-11-30	e of low-foam laundry detergent intended f ift water of textiles made of cotton or of cot	or the washing (in automatic and non-automatic domestic ton-and-synthetic fibre yarns.

Standards South Africa Catalogue 2013 NUM - 74

SANS 652:2007 (2012-12-14) (SABS 652) Carbon paper (Metric unite)		
		Gr 6
PDF 13p EN		85.080.10
Covers two types and seven class Am 1(National), 2007-10-19	ses of carbon paper.	
SANS 656:2008 Sound level meters		
Ed 1.00 A4 37p EN		Gr 10
PDF 37p EN		17.140.01; 17.140.50
Describes instruments (sound leve	el meters) for the measurement of certain t	frequency-weighted and time-weighted sound pressure levels.
SANS 657-1:2011 (SABS 657-1)		
Steel tubes for non-pressure pu	rposes Part 1: Sections for scaffolding,	, general engineering and structural applications
Ed 3.03 A4 24p EN		Gr 9
		//.140./5; 91.080.10
Covers welded or seamless steel composition and mechanical prop testing and marking of tubes.	tubes for scatfolding, structural and genera erties are covered, including dimensions a	al engineering purposes. Requirements for design, chemical nd tolerances, freedom from defects of welded tubes, tensile and other
Am 1(National), 2005-06-10	Am 2(National), 2009-11-27	Am 3(National), 2011-03-25
SANS 657-2:2010 (SABS 657-2)		
Steel tubes for non-pressure pu	rposes Part 2: Steel tubes for cycles	
Ed 1.02 A4 10p EN		Gr 5
		43.150; 77.140.75
Covers the requirements for welde Am 1(National), 2004-07-30	ed steel tubes for the manufacturing of cyc Am 2(National), 2010-11-12	les. It does not cover tubes for pressure purposes.
SANS 657-3:2005 (SABS 657-3)		
Steel tubes for non-pressure pu	rposes Part 3: Steel tubes for rolls for o	conveyor belt idlers
Ed 2.00 A4 14p EN		Gr 6
		53.040.20; 77.140.75
Covers welded steel tubes intende physical properties, dimensions, s	ed for use in the manufacture of steel rolls traightness, ovality, scarfing and freedom	for conveyor belt idlers. Requirements are laid down for material and from defects, also includes the marking of tubes.
SANS 657-4:2010 (SABS 657-4)		
Steel tubes for non-pressure pu	rposes Part 4: Steel tubes of round, ova	al, square and rectangular section for furniture
Ed 1.02 A4 13p EN		Gr 6
		77.140.75; 97.140
Covers tubes of mild steel and sta cover tubes for pressure purposes	inless steel of round, oval, square and rec	tangular section for use in the manufacture of furniture. It does not
Am 1(National), 2004-07-30	Am 2(National), 2010-10-08	
SANS 658:2008		
Integrating-averaging sound lev	vel meters	
Ed 1.00 A4 31p EN		Gr 10
PDF 31p EN		17.140.01; 17.140.50
Describes instruments for the mea may be measured. This standard characteristics which are necessa impulsive sounds.	asurement of frequency-weighted and time is consistent with the relevant requirement ry to measure the equivalent continuous so	averaged sound pressure levels. Optionally, sound exposure levels s of SANS 656, Sound level meters, but specifies additional ound pressure level, Leq, of steady, intermittent, fluctuating and
SANS 659:2007		
(SABS 659)		
Lidocaine (lignocaine) hydroch	oride, adrenaline (epinephrine) and nor	adrenaline (norepinephrine) injection for dental use
Ed 3.01 A4 12p EN PDF 12p EN		Gr 6
		11.060.10; 11.120.10

Specifies requirements for a sterile solution (in water for injections) of lidocaine (lignocaine) hydrochloride, adrenaline (epinephrine) and noradrenaline (norepinephrine) for dental use.

Am 1(National), 2007-05-25

SANS 660:2012 (SABS 660)		
Classroom furniture		
Ed 3.05 A4 40p EN		Gr 10
PDF 40p EN		97.140
Covers the requirements for the materia Am 1(National), 2003-06-27 Am 4(National), 2009-06-05	ls, construction, finish and performance of Am 2(National), 2004-02-20 Am 5(National), 2012-06-01	tables, teachers' desks, chairs and tools for use in classrooms. Am 3(National), 2005-01-21
SANS 662:2009 (SABS 662) Screwing taps Ed 1.04 A4 82p EN		Gr 14
PDF 82p EN		25.100.50
Covers the dimensional and physical red Am 1(National), 1967-04-01 Am 4(National), 2009-08-07	quirements for screwing taps. Am 2(National), 1973-11-01	Am 3(National), 1974-08-01
SANS 664-1:2011 Wedge gate and resilient seal valves	for waterworks Part 1: General	
Ed 1.01 A4 34p EN PDF 34p EN		Gr 10
Covers the general requirements for the valves of the rising and non-rising spindl Am 1(National), 2011-04-14	construction and performance of flanged, e configuration for waterworks.	spigotted and socket-ended, wedge gate and resilient seal
SANS 664-2:2011		
Wedge gate and resilient seal valves	for waterworks Part 2: Wedge gate valv	es .
Ed 1.01 A4 12p EN PDF 12p EN		Gr 6 23.060.99
Covers the requirements for the design a mm.	and construction of wedge gate valves of p	presssure rating (PN) UP TO 4 000 KPa and of sizes up to 1 000
Am 1(National), 2011-07-15		
SANS 664-3:2011		
Wedge gate and resilient seal valves	for waterworks Part 3: Resilient seal va	lves
PDF 11p EN		23.060.99
Covers the requirements for the design a Am 1(National), 2011-03-18	and construction of resilient seal valves of	pressure rating (PN) up to 2 500 kPa and of sizes up to 600 mm.
SANS 665-1:2012 Wedge gate and resilient seal valves	for general purposes Part 1: General	
Ed 1.02 A4 26p EN	3	Gr 9
PDF 26p EN		23.060.99
Covers the general requirements for the rising and non-rising spindle configuration Am 1(National), 2011-03-04	construction and performance of flanged, on intended for the control of a variety of flu Am 2(National), 2012-02-17	shoulder-ended, wedge gate and resilient seal valves of the uids in general purpose applications.
SANS 665-2:2011		
Wedge gate and resilient seal valves	for general purposes Part 2: Wedge gat	te valves
Ed 1.01 A4 12p EN PDF 12p EN		Gr 6
Covers the requirements for the design a mm.	and construction of wedge gate valves of p	pressure rating (PN) up to 2 500 kPa and of sizes up to 1 000
Am 1(National), 2011-07-22		
SANS 665-3:2011		
Wedge gate and resilient seal valves Ed 1.01 A4 11p EN PDF 11p EN	for general purposes Part 3: Resilient s	eal valves Gr 6 23.060.99
Covers the requirements for the design a mm. Am 1(National), 2011-03-04	and construction of resilient seal valves of	pressure rating (PN) up to 2 500 KPa and of sizes up to 600

SANS 666:2013	
Ethanol-gendened appliances Ed 1.01 A4.14n EN	Gr 6
PDF 14p EN	27.070; 75.080; 97.100
Covers the requirements for ethanol-gel fuelled appliances for cooking and heat ge lamps.	neration in households. Does not cover the requirements for
Am I(National), 2013-02-22	
SANS 673:2009 (SABS 673)	
Mixtures of copper-chromium-arsenic compounds for timber preservation	00
PDF 11p EN	71.100.50
Covers mixtures of copper-chromium-arsenic compounds (in the form of a powder, Am 1(National), 2008-11-28 Am 2(National), 2009-10-23	a granular powder, a paste, or a liquid) for timber preservation.
SANS 674:2011	
Steel-reinforced spirally wound PE drainage and sewer pipes	Gr 9
PDF 24p EN	23.040.20
Specifies the requirements for steel-reinforced spirally wound high density polyethy pipes made by winding and welding composite profiles. Applies to steel-reinforced used for municipal drainage pipelines, municipal sewers, industrial drainage pipelin etc., where the temperature of the medium to be transported does not exceed 45 % Am 1(National), 2010-08-13 Am 2(National), 2011-12-01	elene (HDPE) or medium density polyethylene (MDPE) drainage spirally wound polyethylene (PE) drainage pipes intended to be es, industrial sewers, as well as agricultural irrigation systems, C for long-term applications.
SANS 675:2011 (SABS 675)	
Zinc-coated fencing wire	
Ed 4.01 A4 15p EN PDE 15p EN	Gr 7
Specifies the characteristics of drawn steel wire, zinc-coated by the hot-dip process general purposes. Am 1(National), 2011-12-15	s, to be used for line fencing wire or barbed fencing wire for
SANS 676:2010 (SABS 676)	
Reinforced concrete pressure pipes	
Ed 3.04 A4 20p EN PDF 20p EN	Gr 8
Specifies reinforced concrete cylindrical pipes (other than prestressed pipes) for us	za.040.30
Am 1(National), 1995-08-28Am 2(National), 1998-06-03Am 4(National), 2010-11-12	Am 3(National), 2003-09-05
SANS 677:2010 (SABS 677)	
Concrete non-pressure pipes	
Ed 3.04 A4 21p EN PDF 21p EN	Gr 8
Covers two types of concrete non-pressure cylindrical pipe, one (SC) intended main intended mainly for sewer and irrigation purposes. Does not cover fittings for the pipe Am 1(National), 1995-08-28 Am 2(National), 1998-06-03	nly for storm-water-drain and culvert purposes and the other (SI) pes. Am 3(National), 2003-06-27
SANS 678:2005 (2011-03-31)	
(SABS 678) Primers for wood	
Ed 3.00 A4 12p EN	Gr 6
PDF 12p EN	87.040
Covers primers for wood, for interior and exterior use.	
SANS 680:2006 (2012-06-15) (SABS 680)	
Glazing putty for wooden and metal window frames	
Ed 3.00 A4 14p EN PDE 14p EN	Gr 6
Covers two types of putty for the glazing of window frames.	31.000.30, 31.100.30

Standards South Africa Catalogue 2013

SANS 681:2007 (SABS 681) Undercoats for paints	
Ed 3.02 A4 14p EN	Gr 6
PDF 14p EN	87.040
Specifies requirements for two grades of undercoat for use under air-drying paint and primed masonry, hardboard, compressed fibreboard and similar materials us Am 1(National), 1999-01-08 Am 2(National), 2007-10-05	ts and for application over primed steel and wood and on sealed sed in the construction and finishing of buildings.
SANS 682:2007 (SABS 682)	
Aluminium paint	
Ed 3.00 A4 9p EN PDF 9p EN	Gr 5
This standard covers aluminium paint for use as a finishing coat on primed surfa as a roof paint on suitably primed or previously painted galvanized iron.	ces for exterior and interior exposure. This paint is suitable for use
SANS 685:2006 (SABS 685)	
Fibre-cement sheets (flat and profiled)	
Ed 5.00 A4 25p EN	Gr 9
PDF 25p EN	91.100.40
Specifies requirements for flat and profiled (straight and curved) sheets manufac after the manufacture of the sheets.	tured from fibre-cement. Does not cover coatings that are applied
SANS 687:2008	
Inspection and testing of non-fixed load-lifting attachments	
PDF 20p EN	Gr 8 53 020 30
Covers provisions for inspection and testing of non-fixed load-lifting attachments	that are in service.
SANS 688:2008	
Ed 1.00. A4.10p EN	Gr 5
PDF 10p EN	13.340.99; 59.080.30; 97.160
Specifies requirements for one type of warp-knitted polyester fabric suitable for n	nosquito netting.
SANS 690:2007 / ISO 690:1987 Documentation - Bibliographic references - Content, form and structure	
Ed 1.00 A4 16p EN	Gr 8
PDF 16p EN	01.140.20
Specifies the elements to be included in bibliographic references to published mo publications and to patent documents. It sets out a prescribed order for the elem transcription and presentation of information derived from the source publication.	onographs and serials, to chapters, articles, etc. in such ents of the reference and establishes conventions for the
SANS 690-2:2007 / ISO 690-2:1997 Information and documentation - Bibliographic references Part 2: Electroni	c documents or parts thereof
Ed 1.00 A4 25p EN	Gr 10
PDF 25p EN	01.140.20
Specifies the elements to be included in bibliographic references to electronic do reference and establishes conventions for the transcription and presentation of ir	cuments. It sets out a prescribed order for the elements of the of formation derived from the source electronic document.
SANS 693:1982 / ISO 693:1982 (2012-10-05) (SABS ISO 693)	
Dimensions of seam weiging wheel blanks	Gr A
PDF 4p EN	25.160.20
Specifies the outside diameter and thickness of blanks for seam welding wheels. size on the width. Am 1(National), 2006-09-15	. These are rough machined on the circumference and finished to

0.000 005 0044	
SANS 695:2011	
Plastic carrier bags and flat bags	
Ed 1.00 A4 4p EN	Gr 3
PDF 4p EN	55.080; 83.140.99
Specifies requirements for secondary packaging, i.e. carrier bags and flat bags that percentage of recycled thermoplastics material (or both). Does not cover bread bags.	t are made from virgin thermoplastics material or any gs, refuse bags, bin liners, household plastic bags or barrier
SANS 699:2009	
Side upper leather	
Ed 1 00 A4 100 EN	Gr 5
PDF 10p EN	59 140 30. 61 060
	39.140.30, 01.000
use as an upper material for footwear.	d full grain, or smooth or printed corrected grain and intended for
SANS 700:2009	
Side upper leather (with a smooth corrected grain)	
Ed 1.00 A4 9p EN	Gr 5
PDF 9p EN	59.140.30: 61.060
Covers obtained tenned beying leather with a corrected grain and a smooth finish a	intended for use as an upper material for featwear. Specifies
general, chemical and physical requirements.	ind intended for use as an upper material for footwear. Specifies
SANS 701:2009	
Cordovan and cordovan-type leathers for orthopaedic use	
Ed 1.00 A4 8p EN	Gr 5
PDF 8p EN	59.140.30
Covers genuine cordovan leather made from horsehide and cordovan-type leather use.	made from sheepskins or bovine hides intended for orthopaedic
0.110 700 0000	
SANS 702:2009	
Vegetable-tanned side leather for orthopaedic use	
Ed 1.00 A4 7p EN	Gr 5
PDF /p EN	59.140.30
Covers vegetable-tanned side leather for orthopaedic use.	
SANS 704:2004 / ISO 704:2000 (2012-07-13)	
Terminology work - Principles and methods	
Ed 1.00 A4 47p EN	Gr 12
PDF 47p EN	01 020
Establishes and harmonizes the basic principles and methods for preparing and co standardization. Describes the links between objects, concepts, and their represen principles governing the formation of designations and the formulation of definitions some background knowledge of terminology. The principles are general in nature a technological, industrial, administrative, and other fields of knowledge.	ompiling terminologies both inside and outside the framework of tations through the use of terminologies. Establishes general s. Full and complete understanding of these principles requires and this standard is applicable to terminology work in scientific,
SANS 705-2000	
JANUJ 103.2007 Vagatable tenned bernees and bridle lastbare	
Ed 1.00 A4 8p EN PDE 8p EN	Gr 5
Covers vegetable-tanned harness and bridle leathers.	59.140.30
SANS 706:2009	
Leather welting	
Ed 1.00 A4 9p EN	Gr 5
PDF 9p EN	59.140.30
Covers vegetable-tanned leather welting. Specifies general requirements, dimension bond strengths, resistance to grain cracking, grease content and acidity.	ons, joints, grooving, feathering, colour, wet stitch tear strength,
SANS 708-2007	
(SABS 708)	
Befrigerated farm milk tanks	
	Gr 8
PDF 220 EN	
·	

Covers the requirements for two types and two classes of refrigerated tanks in which milk is cooled and stored on farms. It does not cover tanks that are subjected to pressure or vacuum.

23.020.10; 97.130.20

Am 1(National), 1984-06-01 Am 2(National), 2007-06-08

SANS 709:2007	
(SABS 709)	
Ed 1.01 A4 15p EN	Gr 7
PDF 15p EN	55.120; 67.100.01
Covers aluminium cans for the conveyanc Requirements for materials, dimensions, o Am 1(National), 2007-01-26	of milk and cream, and of nominal capacity 5, 10, 20 and 40 L. Three types of lid are specified. nstruction, dent resistance, drop resistance, rigidity and marking are laid down.
SANS 710:2008	
(SABS 710)	
Acid-cored solders	
Ed 1.01 A4 14p EN PDE 14p EN	Gr 6
Covers 4 grades of sold sored solders (in	23.100.30
wattage electric lamps. Requirements are Am 1(National), 2008-12-12	id down for chemical composition, flux content, solubility, spreading value and activity.
SANS 711:2008	
(SABS 711)	
Primary aluminium ingots for remelting	
PDF 11p EN	Gr b 77 120 10
Specifies requirements for 11 grades of un designation applicable to those grades an	Iloyed (including electrical grade) primary aluminium in the form of ingots for remelting, including the the marks by which they are identified.
Am 1(National), 2008-12-12	
SANS 712:2009 Printed side upper leather	
Ed 1.00 A4 11p EN	Gr 6
PDF 11p EN	59.140.30; 61.060
Covers chrome-tanned printed side upper	ather for the manufacture of heavy footwear.
SANS 713:2007	
(SABS 713)	
Unsaturated polyester (UP) resin system	S
Ed 2.02 A4 17p EN PDF 17p EN	Gr 7
Provides a basis for specifying unsaturate reinforced thermoset products.	polyester (UP) resin systems for use in the manufacture of reinforced laminates, mouldings, and non-
Cor 1(National), 2000-03-23	n 1(National), 2007-06-29
SANS 714:2009	
Lining leather (chrome-tanned syntan-r	anned side)
Ed 1.00 A4 8p EN	Gr 5
Covers full obrems tanged system retenned	side leather for use as linings in featurer. Specifics gapperal, shemical and physical requirements
SANS 717-1-1006 / ISO 717-1-1006 (201)	side leather for use as innings in footwear. Specifies general, chemical and physical requirements.
(SABS ISO 717-1.1990 / ISO 717-1.1990 (2017) (SABS ISO 717-1)	vo-17)
Ed 1 00 A4 20p EN	
PDF 20p EN	91.120.20
Defines single-number quantities for airbo into consideration the different sound leve Am 1(National), 2006-12-15	e sound insulation in buildings and building elements such as walls, floors, doors and windows. It takes spectra of various noise sources such as noise sources inside a building and traffic outside a building. n 1(International), 2006-12-15
SANS 717-2:1996 / ISO 717-2:1996 (2012	08-17)
Acoustics - Rating of sound insulation	buildings and of building elements Part 2: Impact sound insulation
Ed 1.00 A4 17p EN	Gr 8
PDF 17p EN	91.120.20
Defines single-number quantities for the ir the results of measurements carried out ir	bact sound insulation in buildings and of floors and it gives rules for determining these quantities from one-third-octave bands.
Am 1(National), 2006-12-15	ก 1(International), 2006-12-15

Standards South Africa Catalogue 2013 NUM - 80

SANS 719:2011 (SABS 719) Electric welded low carbon steel pipes for	or aqueous fluids (large bore)	
Ed 3.02 A4 1/p EN PDF 17p EN		Gr 7 77.140.75
Covers three grades of carbon steel pipes of Am 1(National), 2008-02-01 Ar	of size 219,1 mm to 2 230 mm used in n 2(National), 2011-08-19	the conveyance of water and other aqueous fluids.
SANS 722:1982 (2001-01-23) (SABS 722)		
The production of infants' and children's	shoes (stuck-on and stitch-down c	onstruction)
Ed 3.00 A4 34p EN PDF 34p EN		Gr 11 61.060
Covers 4 types of infants' and children's sho Methods of construction are specified. Am 1(National), 1985-05-01	pes made to the stuck-on and stitch-do	own principles in one or both size ranges 105-145 and 150-205.
SANS 724:2010		
Personal protective equipment and prote	ective clothing against the thermal h	nazards of an electric arc
PDF 20p EN		Gr 8 13.260: 13.340.10
Covers the design, selection and performan the thermal hazards of an electric arc, which	nce requirements of electric arc resista h could occur during operating or work	nt clothing and equipment for the protection of persons against ing on or near electrical equipment in the workplace.
SANS 725:2010 / IEEE 80:2000 IEEE guide for safety in a.c. substation g	rounding	
Ed 1.00 A4 201p EN		Gr 20
PDF 201P EN		29.120.50
methods described are also applicable to in Err 1(International), 2010-11-12	door a.c. substations, including distributed and a set of such substations, or t	o substations that are wholly indoors.
SANS 726:2003 (2009-12-11) (SABS 726)		
Medical trolleys (dressing/medicine; inst	trument; anaesthetists' dressing)	
Ed 2.03 A4 16p EN		Gr 7
	viromente for 6 tunce of trallove: tunce	11.140; 97.140
types 3 and 5 for anaesthetists' use; type 6	for dressings.	T and 4 for dressings and medicines, type 2 for instruments,
Am 1(National), 1981-03-01 Ar	m 2(National), 1989-05-01	Am 3(National), 2003-07-04
SANS 727:2003 (2009-05-29) (SABS 727)		
Ed 2.03 A4 28p EN	ild steel sections	Gr 9
PDF 28p EN		77.140.70; 91.060.50
Covers windows, doors, sidelights and fanlin Am 1(National), 1989-02-01 Ar	ghts fabricated from rolled steel sectio n 2(National), 2002-03-25	ns,complete with fittings and ancillary components. Am 3(National), 2003-05-23
SANS 728-8:2009 / AS 1603.8:1996 Automatic fire detection and alarm syste	ms Part 8: Multi-point aspirated sm	oke detectors
Ed 1.00 A4 19p EN PDF 19p EN		Gr 9 13.220.20
Specifies requirements for the design, cons and alarm systems. Covers multi-point aspi detectors installed with probes in air-handlir	truction and performance of aspirated rated systems and their associated de ng ducts.	system type smoke detectors used in automatic fire detection tector and control facilities. Does not include single-point
SANS 729:2008 Live aquaculture abalone		
Ed 1.00 A4 29p EN		Gr 9
PDF 29p EN		65.150

Covers the harvesting, preparation, packing, conveyance and quality of live aquaculture abalone. It also details hygiene requirements for the product and for the packing facility employees.

SANS 73 [.] (SABS 73 Road ma	I-1:2006 1-1) rkings Part 1: Single-pack s	olvent-borne paints	
Ed 4.00	A4 19p EN PDF 19p EN		Gr 8
This part and runwa	of SABS 731 specifies require ay surfaces, and makes provis	ments for conventional solvent-borne pa ion for white, yellow and other colours.	ints suitable for marking traffic-bearing bituminous or concrete road
SANS 73 [.] Road ma	I-2:2006 (2012-08-31) rkings Part 2: Single-pack w	ater-borne paints	
Ed 1.01	A4 21p EN PDF 21p EN		Gr 8 87.040
Specifies provision Am 1(Nat	requirements for conventional for white, yellow and other col ional), 2006-08-18	water-borne paints suitable for marking ours.	traffic-bearing bituminous or concrete road surfaces, and makes
SANS 73: (SABS 73	3:2008 (2012-12-14) 3)		
Boxboard	(Metric units)		
Ed 2.01	A4 20p EN PDF 20p EN		Gr 8
Lays dow examinati Am 1(Nat	n the requirements for 6 types on, calliper, basis mass, breal ional), 2008-03-14	of machine-finished boxboard (unlined, king length, folding quality, surface stren	lined and coated). Gives test methods for dimensional gth, brightness, gloss, water absorptiveness and stiffness factor.
SANS 73 (SABS 73	5:2009 5)		
Cathode	copper		
Ed 2.02	A4 7p EN PDF 7p EN		Gr 5 77.150.30
Covers re chemical Am 1(Nat	quirements for electrolytic cop composition and marking. ional), 2008-06-13	per in the form of cathodes or portions of Am 2(National), 2009-10-02	f cathodes. Includes physical requirements and requirements for
SANS 73 Coal - De	7:2009 / ISO 10329:2009 termination of plastic prope	rties - Constant-torque Gieseler plast	ometer method
Ed 1.00	A4 16p EN		Gr 8
	PDF 16p EN		73.040; 75.160.10
Specifies	a method for obtaining a relat	ive measure of the plastic behaviour of c	oal when heated under prescribed conditions.
SANS 738 Water qu	3-1:2008 / ISO 5815-1:2003 ality - Determination of bioc rea addition	hemical oxygen demand after "n" day	s (BODn) Part 1: Dilution and seeding method for
Ed 1.00	A4 22p EN		Gr 9
	PDF 22p EN		13.060.50
Specifies waters ha oxygen. F necessary	a determination of the biocher ving biochemical oxygen dem or biochemical oxygen demar v dilutions can influence the ar	nical oxygen demand of waters by dilution ands greater than or equal to 3 mg/L of of Ids greater than 6 000 mg/L of oxygen, the alytical quality of the test method.	on and seeding with suppression of nitrification. Is applicable to all oxygen (the limit of determination) and not exceeding 6 000 mg/L of ne method is still applicable, but the errors caused by the
SANS 74 General r	0-2:2008 / ISO 787-2:1981 nethods of test for pigments	s and extenders Part 2: Determination	of matter volatile at 105 ℃
Ed 1.00	A4 7p EN PDF 7p EN		Gr 6 87.060.10
Specifies extender.	a general method of test for d The method is applicable to p	etermining the percentage by mass of m igments and extenders that are stable a	atter volatile at a temperature of 105 $^{\rm O}$ in a sample of pigment or 105 $^{\rm O}$.
SANS 74 (SABS 74	1 :2006 1)		
Industria	boots (including safety boo	ots) with direct-vulcanized soles and I	neels Or 11
⊏a 3.03	PDF 44p EN		13.340.50; 61.060
Specifies vulcanized	the requirements for the mate d principle.	rials and construction of industrial boots	including safety boots, made in accordance with the direct-
Am 1(Nat	ional), 2001-05-11	Am 2(National), 2003-05-23	Am 3(National), 2006-05-26

Standards South Africa Catalogue 2013 NUM - 82

Ed 1.00 A4 7p EN Gr 6 PDF 7p EN 17.020 Specifies series of preferred numbers. Am 1(National), 2008-03-07 SANS 745-0:2008 / AS/NZS 4357.0:2005 Conscifications	2.9
Specifies series of preferred numbers. Am 1(National), 2008-03-07 SANS 745-0:2008 / AS/NZS 4357.0:2005	. 9
SANS 745-0:2008 / AS/NZS 4357.0:2005	2
Structural laminated veneer lumber Part 0: Specifications	: 9
Ed 1.00 A4 24p EN Gr 9 PDF 24p EN 79.040; 79.060.99	: 2
Specifies manufacturing, in-grade structural characterization and structural verification requirements for structural laminated veneer lumber as continuously glued assembly of veneers.	<i>,</i> a
SANS 745-1:2008 / AS/NZS 4357.1:2005 Structural laminated veneer lumber Part 1: Method of test for measurement of dimensions and shape	
Ed 1.00 A4 9p EN Gr 6 PDF 9p EN 79.060.10	
Sets out the method for determining the thickness, length, width, spring, bow, twist and section squareness of test pieces of structural veneer lumber (LVL).	
SANS 745-2:2008 / AS/NZS 4357.2:2005 Structural laminated veneer lumber Part 2: Determination of structural properties - Test methods	
Ed 1.00 A4 19p EN Gr 9 PDF 19p EN 79.040; 79.060.99	
Specifies test methods for determining various properties as of structural veneer lumber (LVL) such as: modulus of elasticity (both in tension parallel to the grain and tension strength parallel to the grain); bending modulus of elasticity of beams; bending strength; compression and sh strength.	ear
SANS 745-3:2008 / AS/NZS 4357.3:2006 Structural laminated veneer lumber Part 3: Determination of structural properties - Evaluation methods	
Ed 1.00 A4 7p EN Gr 6 PDF 7p EN 79 060 99	
Specifies a method of calculation for determining the mean and 5th percentile values for structural laminated veneer lumber (LVL).	
SANS 746:2010 (SABS 746)	
Cast-iron pipes and pipe fittings for use above ground in drainage installations	
Ed 2.01 A4 46p EN Gr 11	
PDF 46p EN 23.040.40; 77.140.75; 91.140.80	
Covers the requirements for low pressure cast-iron pipes and pipe fittings intended for use above ground as soil water, waste water, and vent pipes.	
Am 1(National), 2010-07-02	
SANS 750:2007 (SABS 750) Interlock fabric	
Ed 4.01 A4 11p EN Gr 6 PDF 11p EN 59.080.30	
Covers three types of interlock fabric suitable for use in the manufacture of underwear and certain types of outerwear. Am 1(National), 2007-05-25	
SANS 751:2008 (SABS 751)	
Burglar-resistant safes	
Ed 5.00 A4 17p EN Gr 7 PDF 17p EN 13.310	
Specifies requirements for eight categories of buglar-resistant safes.	

SANS 742:2008 / ISO 3:1973 (2008-03-07)

SANS 752:2009 (SABS 752)		
Float valves		
Ed 2.06 A4 13p EN PDF 13p EN		Gr 6 23.060.99
Covers the requirements for two class with water at a temperature not exceed	es, two designs and three types of floa ding 50 °C. It does not cover the requi	at valve of nominal size not exceeding 50 mm that are intended for use rements for floats.
Am 1(National), 1996-03-25 Am 4(National), 2004-05-07	Am 2(National), 2000-07-21 Am 5(National), 2007-06-29	Am 3(National), 2002-07-19 Am 6(National), 2009-11-27
SANS 753:2009 (SABS 753)		
Pine poles, cross-arms and spacers	s for power distribution, telephone s	systems and street lighting
Ed 4.07 A4 42p EN		Gr 11
		29.240.20; 79.040
Specifies requirements for pine poles and that are intended to be used as up	treated with creosote, creosote and was oright supports, cross-arms and space	axy oil mixture or a mixture of copper-chromium-arsenic compound, rs.
Am 1(National), 1996-10-28 Am 4(National), 2001-07-20 Am 7(National), 2009-06-05	Am 2(National), 1998-09-03 Am 5(National), 2003-05-23	Am 3(National), 1999-03-26 Am 6(National), 2007-06-15
SANS 754:2010 (SABS 754)		
Eucalyptus poles, cross-arms and s	pacers for power distribution and c	communications systems
Ed 4.06 A4 42p EN		Gr 11
		29.240.20; 79.040
Specifies requirements for eucalyptus mixture of copper-chromium-arsenic c upright supports, cross-arms and space	poles, grown in Southern Africa, that a ompounds (CCA), and that are intended cers (in five-pole structures) for power	are treated with creosote, a mixture of creosote and waxy oil, or a ed to be used as upright supports for communications systems, and as distribution lines.
Am 1(National), 1996-10-28 Am 4(National), 2003-05-23	Am 2(National), 1998-09-03 Am 5(National), 2007-06-15	Am 3(National), 2001-07-20 Am 6(National), 2010-02-12
SANS 755:2006 (2013-03-15) (SABS 755)		
Mineral-insulated metal-sheathed ai	r-heating units for appliances	
Ed 2.02 A4 13p EN		Gr 6
		97.100.10
Specifies requirements for mineral-ins up to and including 550 V.	ulated metal-sheathed air-heating unit	s for operation in air and that are suitable for use in d.c. or a.c. circuits
Cor 1(National), 1999-07-07	Am 1(National), 2006-09-08	
SANS 756:2008 (2012-12-14) (SABS 756)		
Duplicator paper (metric units)		
Ed 1.02 A4 11p EN PDF 11p EN		Gr 6 85.080.10
Covers duplicator paper for use with d The methods of test include dimensior Am 1(National). 1971-02-17	uplicator machines other than spirit du nal examination, fibre analysis, and de Am 2(National), 2008-02-08	plicators and specifies requirements for materials and size of sheets. termination of bursting strength and porosity.
SANS 757:2004 (2009-05-29)	χ <i>μ</i>	
Sheet steel furniture		
Ed 3.03 A4 29p EN		Gr 9
PDF 29p EN Specifies requirements for stationary of	sunhaarde linen cunhaarde nigeon-bo	77.140.50; 97.140
cabinets.	איז	אין איז
Am 1(National), 1991-08-01	Am 2(National), 2002-07-26	Am 3(National), 2004-10-29
SANS 759:2008 / ISO 1563:1990 Dental alginate impression material		
Ed 1.00 A4 17p EN		Gr 8
PDF 17p EN		11.060.10
Applies to dental alginate impression r	naterials used in dentistry to take implaining an alginate as an essential gel-	ressions of teeth and tissues of the oral cavity. It specifies forming ingredient, which after mixing with water in accordance with

requirements for dental materials containing an alginate as an essential gel-forming ingredient, which, after mixing with water in accordance with the manufacturer's instructions, is capable of reacting to form a material suitable for taking impressions.

Gr 6

65.020.30; 97.160

Assessment of inadvertent initiation of bridge wire electro-explosive device	s by radio-frequency radiation - Guide
Ed 1.00 A4 95p EN	Gr 15
PDF 95p EN	13.230; 33.060.20
Provides guidance on assessing the possibility of inadvertent extraction of energy (RF), radar or other transmitter antennas and the coupling of this energy to an ele initiation. The frequency range covered is 9 kHz to 60 GHz. Cor 1(International), 2008-08-01	from an electromagnetic field propagated from radio frequency ctro-explosive device (EED) in a manner capable of causing
SANS 765:2009 Off-the-road (OTR) tyres - Earth-moving tyres for earth-moving machinery - I	Repairs and retreading
Ed 1.00 A4 21p EN	Gr 8
PDF 21p EN	83.160.01; 83.180
Specifies requirements for the identification, inspection, repair, retreading and ma machinery.	intenance of off-the-road (OTR) pneumatic tyres for OTR
SANS 767-1:1982 (SABS 767-1)	
Earth leakage protection units Part 1: Fixed earth leakage protection circuit-	breakers
Ed 2.00 A4 22p EN	Gr 10
PDF 22p EN	29.120.50
Covers fixed earth leakage protection circuit-breakers for use in domestic and ind supply at voltages up to 500 V between conductors and currents up to 100 A. The mA. (See also VC 8035) Am 1(National), 1985-08-14 Am 2(National), 1997-04-07	ustrial or similar electrical installation on 50 Hz alternating current e rated earth leakage tripping currents covered are 5; 10 and 30
SANS 767-2:1983 (2003-08-27) (SABS 767-2)	
Earth leakage protection units Part 2: Single-phase, portable units	
Ed 2.00 A4 19p EN	Gr 9
PDF 19p EN	29.120.50
Covers single-phase portable earth leakage protection units for use in domestic a currrent supply at r.m.s. voltages not exceeding 250 V and r.m.s. currents not exc covered is 30 mA. (See also VC 8035)	nd industrial or similar electrical installations on 50 Hz alternating eeding 16 A. The maximum earth leakage current of the units
SANS 770:2009 (SABS 770)	
Footwear laces	
Ed 2.03 A4 12p EN PDE 12p EN	Gr 6
	59.080.30, 61.060
Covers four types of braided tubular lace and one type of woven lace made in all Col 1(National), 1999-04-16 Am 1(National), 2008-02-01	cases from nylon or polyester yarns. Am 2(National), 2009-06-26
SANS 776:2005 (2010-08-20) (SABS 776)	
Copper alloy gate valves - Heavy duty	
Ed 3.01 A4 16p EN	Gr 7
PDF 16p EN	23.060.30; 77.150.30
Specifica requirements for heavy duty copper gets values (with account and and	I riging or non-riging stome) of nominal size 0 mm to 100 mm and

Plumage fillings Ed 2.02 A4 11p EN PDF 11p EN

SANS 761:2013 (SABS 761)

Covers feathers and down obtained from fowl and purified for use as fillings. Am 1(National), 2008-02-15 Am 2(National), 2013-03-01

SANS 762:2008 / BS 6657:2002

Specifies requirements for heavy duty copper gate valves (with screwed ends and rising or non-rising stems) of nominal size 8 mm to 100 mm and that are suitable for use at service temperatures up to and including 260 °C. Can be used at pressures higher than their primary service pressures but then at correspondingly lower service temperatures.

Am 1(National), 2005-04-22

SANS 777:2009 (SABS 777)		
Overbed tables		
Ed 3.03 A4 15p EN		Gr 7
PDF 15p EN		11.140; 97.140
Covers dimensional, constructional and institutions.	performance requirements for two ty	pes of overbed tables for use in hospitals and other medical
Am 1(National), 2003-07-11	Am 2(National), 2004-09-10	Am 3(National), 2009-04-03
SANS 778:2005 (SABS 778)		
		0.7
Ed 3.03 A4 1/p EN PDE 17p EN		Gr 7
		11.140; 97.140
Covers requirements for types of patient Am 1(National), 1989-05-01	s' trolleys for use in hospitals and otl Am 2(National), 2002-10-09	ner medical institutions. Am 3(National), 2005-09-09
SANS 779:1972 (2002-04-12) (SABS 779)		
Invalid chairs		
Ed 2.00 A4 11p EN		Gr 6
PDF 11p EN		11.140; 11.180.10
Covers requirements for material, design hospitals and other medical institutions.	n, dimensions, construction, finish an	d efficiency of brakes of one type of wheeled invalid chair for use in
Err 1(National), 1972-03-01	Am 1(National), 1977-08-01	
SANS 780-2000		
(SABS 780) Distribution transformers		
Ed 4.00 A4.47p EN		Gr 11
PDF 47p EN		29.180
Specifies requirements for single-phase	and three-phase distribution transfor	mers of the oil-immersed type.
SANS 784:2008 Design for access and mobility - Tact	ile indicators	
Ed 1.00 A4 63p EN		Gr 13
PDF 63p EN		91.020; 91.040.01
AS/NZS 1428.4:2002, MOD		
Sets out requirements for new building ware blind or vision impaired.	vork, for the design and application o	f tactile indicators, to ensure safe and dignified mobility of people who
SANS 785:2006 (SABS 785)		
Writing equipment - Ballpoint pens		
Ed 3.03 A4 22p EN		Gr 8
PDF 22p EN		97.180
This standard specifies the requirements green or red inks.	s for single-cartridge ballpoint pens, r	eplacement refills and direct-fill ballpoint pens, which have black, blue,
Am 1(National), 1999-08-27	Am 2(National), 2000-08-25	Am 3(National), 2006-12-08
SANS 786:2007 (SABS 786)		
Flexible vinyl flooring		
Ed 3.02 A4 22p EN		Gr 8
Specifies the characterisics of smooth-s	urfaced flexible vinyl flooring, in tile c	r sheeting form. The flooring may be marbled or mottled throughout its
thickness. Am 1(National), 2000-02-25	Am 2(National), 2007-06-08	
SANS 787:2005 (2012-10-26) (SABS 787)		
Ophthalmic lenses		
Ed 1.02 A4 13p EN PDF 13p EN		Gr 6 11.040.70
Covers ophthalmic lenses other than co Am 1(National), 1974-03-13	ntact lenses. The lenses may be unc Am 2(National), 2005-09-16	ut, edged, white or tinted and unmounted or mounted in a frame.

Standards South Africa Catalogue 2013 NUM - 86

SANS 788:2011 Frozen shrimps (prawns), langoustine	es and crabs	
Ed 1.01 A4 42p EN PDF 42p EN		Gr 11 67.120.30
Specifies requirements for the handling, (prawns), langoustines and crabs, and pi It also specifies requirements for factorie Am 1(National), 2011-09-30	preparation, processing, packaging, trans roducts derived therefrom which are intend as and employees involved in the production	portation, freezing, storage and quality of frozen shrimps ded for human consumption, whether frozen at sea or on shore. on.
SANS 789:2012		
Knitted jerseys and cardigans		
Ed 1.00 A4 12p EN PDF 12p EN		Gr 6 61.020
Covers the materials, cut, make and trim	of knitted jerseys and cardigans.	
SANS 791:2010 (SABS 791)		
Unplasticized poly(vinyl chloride) (PV	C-U) sewer and drain pipes and pipe fit	tings
Ed 5.02 A4 41p EN		Gr 11
PDF 41p EN		23.040.20; 23.040.45
Covers two duties (normal and heavy) of PVC-U pipe fittings of nominal sizes 110 drains where temperatures continuously	unplasticized poly(vinyl chloride) (PVC-U mm to 160 mm, intended for underground in excess of 60 °C are not encountered.) pipes of nominal sizes 110 mm to 630 mm and one duty of d non-pressure applications in the construction of sewers and
Am 1(National), 2004-05-21	Am 2(National), 2010-11-12	
SANS 794:2009 (SABS 794)		
Aggregates of low density		
Ed 2.02 A4 26p EN		Gr 9
PDF 26p EN		91.100.15
Covers inorganic aggregates of low dens Err 1(National), 1973-05-01	ity for use in structural and insulating con Am 1(National), 2002-07-26	cretes and in plaster. Am 2(National), 2009-01-23
SANS 795:2007 (2012-06-01)		
(SABS 795)		
Wheelbarrows		
Ed 3.02 A4 14p EN		Gr 6
		53.120
Am 1(National), 2002-02-22	Am 2(National), 2007-08-31	stnal, agricultural and building-site conditions.
SANS 802:2001 (2006-04-19) (SABS 802)		
Bituminous aluminium paint		
Ed 2.04 A4 15p EN		Gr 8
PDF 15p EN		87.040
Covers one type of bituminous aluminiur may also be applied to roofing felt compl weather for at least 8 weeks before paint	n paint for interior and exterior use on prin ying with SABS 92, to creosoted timber, a ting.	ned metal, masonry, asbestos cement and wood surfaces. It and to hard bituminous surfaces that have been allowed to
Am 1(National), 1975-03-01 Am 3(National), 2001-07-16	Am 2(National), 1979-07-01	Col 2(National), 1999-12-10
SANS 803:2005 (2011-11-18) (SABS 803)		
Fibre-cement boards		
Ed 4.03 A4 13p EN PDF 13p EN		Gr 6 91.100.40
Specifies the requirements for smooth su	urface and textured surface fibre-cement b	poards.
Cor 1(National), 1997-09-08	Am 1(National), 1998-12-04	Am 2(National), 2005-05-27

SANS 804:2008 (SABS 804)	
Unwrought tough pitch coppers: Electrolytic tough pitch high conductivity co	opper
Ed 2.01 A4 3p EN	Gr 3
PDF 3p EN	77.120.30
Covers high grade copper intended for electrical purposes. A maximum electrical r determining resistivity. Includes requirements for chemical composition, shapes ar Am 1(National), 2008-08-15	resistivity is specified, and details are given of the methods for and sizes, freedom from defects, and marking.
SANS 806:2008	
(SABS 806)	
Unwrought tough nitch connors: Grade A tough nitch connor	
	00
Ed 2.01 A4 3p EN	Gr 3
PDF 3p EN	77.120.30
Covers the requirements for a high grade tough pitch copper with a closely controll for extrusion. Includes requirements for chemical composition, shapes and sizes, fr Am 1(National), 2008-08-15	led chemical composition suitable for hot and cold working and eedom from defects, and marking.
SANS 807:2009 (SABS 807)	
Unwrought tough pitch coppers: Grade B tough pitch copper	
Ed 2 02 A4 6n EN	Gr 4
PDF 6p EN	77 100 20
· -· •p -··	77.120.30
Covers the requirements for Grade B tough pitch copper not intended for hot- or co alloys.	old-working but suitable for casting and for making up copper
Am 1(National), 2008-08-15 Am 2(National), 2009-12-11	
SANS 808:1967 (1999-03-03)	
(SABS 606) Ochia alanda far usa an filomenreaf analasuras (Ev. d)	
Cable glands for use on flameproof enclosures (EX d)	
Ed 1.00 A5 21p EN	Gr 10
PDF 21p EN	29.120.20; 29.260.20
Covers requirements for the constructional details of cable glands (for cables of vo glands to enclosures, the sealing off of the opening in the enclosure, the clamping the glands.	Itage not exceeding 660 V to earth), the method of fixing the of the cable or the armouring, and fixing of metallic sheaths to
Am 1(National), 1972-03-01 Am 2(National), 1994-02-01	
0.000.0014	
SANS 809:2011	
(SABS 809)	
Industrial body belts	
Ed 6.02 A4 16p EN	Gr 7
PDF 16p EN	13.340.99; 45.120
Specifies the general design, material, construction and performance requirements Am 1(National), 2007-01-26 Am 2(National), 2011-12-15	s for industrial body belts.
SANS 811:2012	
	07
Ed 1.00 A4 16p EN	Gr /
PDF 16p EN	61.020
Covers the material, cut, make and trim of uniform type and hard-wearing type shire	rts, with closed or open necks, for men.
SANS 813:2008	
(SABS 813)	
Clamps for wire ropes	
	07
EU 3.02 A4 I/PEN PDE 17n EN	
	21.060.70
Specifies the requirements for clamps for wire ropes for producing temporary rope	terminations where these terminations are subject to safety

Specifies the requirements for clamps for wire ropes for producing temporary rope terminations, where these terminations are subject to safety requirements, i.e. where failure of the rope termination could endanger persons.

Am 1(National), 2005-11-21 Am 2(National), 2008-08-15

SANS 814:2009		
(SABS 814) General purpose and aircraft l	hose clins (Worm-drive Type)	
Ed 3.03 A4 14p EN	iose clips (world-drive Type)	Gr 6
PDF 14p EN		21.060.99; 49.030.99
Covers the requirements for the aircraft and for general purposes	materials, dimensions, construction, strengt s. Sections on sampling and methods of test Am 2(National) 1994-05-01	th, finish, packing and marking of worm-drive type hose clips for use in are included.
	Am 2(National), 1554-65-61	Ain (Indional), 2000-00-27
SANS 815-1:2012 (SABS 815-1)		
Shoulder-ended and groove-e	nded piping systems Part 1: Shoulder-en	ded steel pipes, fittings and couplings
PDF 39p EN		GF 10 23.040.01
Covers the requirements for sho	ulder-ended steel pipes of nominal size fron	n 48 mm to 350 mm, and the fittings and couplings associated with
Am 1(National), 2005-12-14	Am 2(National), 2010-07-02	Am 3(National), 2012-05-10
SANG 815-2-2011		
Shoulder-ended and groove-e	nded pipe systems Part 2: Groove-ended	steel pipes, fittings and couplings
Ed 1.01 A4 62p EN		Gr 13
PDF 62p EN		23.040.01
Covers the specific requirement associated with these pipes. Am 1(National), 2011-07-08	s for groove-ended, rolled or cut steel pipes	of nominal size from 25 mm to 300 mm, and the fittings and couplings
SANS 817-2007		
(SABS 817)		
Lidocaine (lignocaine) hydroc	hloride injection for dental use	
Ed 3.01 A4 10p EN		Gr 5
PDF 10p EN		11.060.10; 11.120.10
Specifies requirements for a ste dental use.	rile solution (in water for injections) of lidoca	ine (lignocaine) hydrochloride and noradrenaline (norepinephrine) for
Am (Mational), 2007-03-23		
SANS 819:2013		
(SABS 819) Eibro-comont ninos, counling	and fittings for soworage, drainage and	low-prossure irrigation
Ed 3.05 A4.21n EN	s and mungs for sewerage, dramage and	Gr 8
PDF 21p EN		23.040.50; 91.140.80
Covers uncoated fibre-cement (gravity flow and atmospheric pre pipes, couplings and fittings that and water, with or without additi	FC) pipes, couplings and fittings of nominal essure sewerage, drainage and low-pressure t are manufactured essentially from an intim- ons.	diameter not exceeding 1 000 mm, intended for use under conditions of irrigation applications. Also covers both water-cured and autoclaved ate mixture of hydraulic binders, asbestos (or other acceptable fibres)
Am 1(National), 1999-09-23 Am 3(National), 2010-10-01	Cor 1(National), 2001-03-05 Am 4(National), 2013-03-15	Am 2(National), 2006-05-05
SANS 820:2011 (SABS 820)		
Mild steel nails		
Ed 3.01 A4 30p EN		Gr 9
PDF 30p EN		21.060.50
Covers the requirements for wire Am 1(National), 2011-01-21	e and cut mild steel nails and tacks for gene	ral use, and eight types of wire nails for pneumatic gun nails.
SANS 821:2007 (2012-09-28)		
(SABS 821)		
WC flushing cisterns		
Ed 3.01 A4 16p EN		Gr 7
		51.140.70

Covers requirements for hand-operated high-level, low-level, near-level and close-coupled cisterns of various flushing capacities and that are designed for a single-flush operation, a dual-flush operation or an interruptible-flush operation. Am 1(National), 2007-11-02

91.140.70

SANS 822:2007 (2012-12-14)	
Sizes of paper and envelopes	
Ed 1.02 A4 17p EN	Gr 7
PDF 17p EN	85.080.10
Covers different sizes for paper used for administrative, commercial and technicalAm 1(National), 1970-08-01Am 2(National), 2007-12-07	purposes and different sizes of envelopes.
SANS 824:2006 (2012-03-23)	
(SABS 824)	
Lime for soil stabilization	
Ed 2.01 A4 13p EN	Gr 6
	91.100.10
by calcining of limestone, or treatment of calcium carbide. Am 1(National), 2006-02-24	agnesium and dolomitic, for use in soil stabilization and produced
SANS 825:2012	
(SABS 825)	
Hand dishwashing and light duty detergent (liquid)	
Ed 4.01 A4 13p EN PDE 13p EN	Gr 6
Consider the requirements of liquid determents for use in soft or hard water for her	71.100.40
painted surfaces, floors, ceilings, ceramic and plastics tiles, and the surfaces of ec Am 1(National), 2012-11-30	quipment.
SANS 827:2011	
The installation of pipes and appliances for use with natural gas	
Ed 1.00 A4 135p EN	Gr 16
PDF 135p EN	75.060; 91.140.40
Sets out requirements for the installation of consumer piping, flueing, ventilation are intended use of fuel gases for natural gas and simulated natural gas. It also covers installation through to the consumer piping from the property boundary.	nd appliance installations which are associated with the use or piping systems from the outlet of the consumer billing meter
SANS 829:2009 / ISO 6240:1980	
Performance standards in building - Contents and presentation	
Ed 1.00 A4 8p EN	Gr 5
	91.010.30; 91.040
Specifies the basic contents to be included in perfomance standards for building c their inclusion. It is intended for use by standards committees preparing performan	omponents and assemblies, and indicates a standard order for ce standards for building committees and assemblies.
SANS 830:2009 / ISO 6241:1984	
Ferformance standards in building - Principles for their preparation and fact	ors to be considered
PDF 14p EN	91.010.30: 91.040
Lays down general principles for the preparation of performance standards in buid	ing.
SANS 831-1:2009 / ISO 6242-1:1992	
Building construction - Expression of users' requirements Part 1: Thermal re	equirements
Ed 1.00 A4 10p EN	Gr 6
	91.040; 91.120.10
Defines how the thermal requirements of building users can be identified, express	ed and quantified.
SANS 831-2:2009 / ISO 6242-2:1992	
Building construction - Expression of users' requirements Part 2: Air purity r	requirements
Ed 1.00 A4 10p EN	Gr 6
	91.040; 91.140.30
Defines how the air purity requirements of building users can be identified and qua	antified.
SANS 831-3:2009 / ISO 6242-3:1992 Building construction - Expression of users' requirements Part 3: Acoustical	requirements

Ed 1.00 A4 12p EN Gr 6	,
PDF 12p EN 91 040: 01 120	
51.040, 51.120	20.20

Defines how the acoustics requirements of building users can be identified, expressed and quantified.

SANS 832:2007 / ISO 832:1994 (2013-01-25) Information and documentation - Bibliographic description and references -	Rules for the abbreviation of bibliographic terms
Ed 1.00 A4 10p EN	Gr 6
PDF 10p EN	01.140.20
Specifies rules for the abbreviation of words and word combinations that commonly languages using the Latin, Cyrillic and Greek alphabets. Excludes abbreviations or ISO 4 (published in South Africa as an identical adoption under the designation SA	y appear in bibliographic descriptions and references in f titles and title words as they are covered by the provisions of NNS 531).
SANS 833:2012 Biodiesel production - Quality management system - Producer requirements	
Ed 1.01 A4 18p EN	Gr 7
PDF 18p EN	03.120.01; 75.080; 75.160.01; 75.160.20
Specifies requirements for a quality assurance programme for biodiesel production Am 1(National), 2012-07-27	n of a product that complies with SANS 1935.
SANS 860:2008 / ISO 860:2007 (2013-01-18) Terminology work - Harmonization of concepts and terms	
Ed 1.00 A4 24p EN	Gr 10
PDF 24p EN	01.020
Specifies a methodological approach to the harmonization of concepts, concept sy harmonized terminologies, at either the national or international level, in either a m	stems, definitions and terms. Applies to the development of onolingual or a multilingual context.
SANS 861:2008 / ISO 1567:1999	
Dentistry - Denture base polymers	
Ed 1.00 A4 34p EN	Gr 11
	11.060.10
Classifies denture base polymers and copolymers and specifies their requirements compliance with these requirements. It further specifies requirements with respect be supplied for use of these materials. Am 1(International), 2008-12-24	s. It also specifies the test methods to be used in determining to packaging and marking the products and to the instructions to
SANS 862-2012	
Set-top box decoder for free-to-air digital terrestrial television	
Ed 2.00 A4 50p EN	Gr 11
PDF 50p EN	33.160.25; 33.170
Sets out the minimum technical requirements for a set-top box decoder for free-to- broadcasters, broadcasting signal distributors, decoder manufacturers and users.	air digital terrestrial television in South Africa. It applies to It does not cover integrated digital television (IDTV).
SANS 863:2011	
Continuous totalizing automatic weighing instruments - Belt weighers	
Ed 1.00 A4 62p EN PDF 62p EN	Gr 13
Chaptifies the metrological and technical requirements for continuous totalizing out	17.100
subject to national metrological control. Provides standardized requirements and te characteristics in a uniform and traceable way.	est procedures for evaluating metrological and technical
SANS 865:2011 (SABS 865)	
	Gr 6
PDF 11p EN	11 160
Covers dimensional and constructional requirements for stratchers for use in civilia	an ambulance vehicles
Am 1(National), 1998-12-04Am 2(National), 2008-07-18	Am 3(National), 2011-02-04
SANS 866:2006 (2013-02-08) (SABS 866) Stainloss steel outlory	
	Gr 9
PDF 30p EN	97.040.60
Covers requirements for the material, construction (other than dimensions) and fin cutlery for table use and for kitchen use	ish (including, when relevant, the silver plating) of stainless steel
Am 1(National), 1976-03-01 Am 2(National), 1977-08-01	Am 3(National), 2006-10-27

Standards South Africa Catalogue 2013 NUM - 91

gnition engine systems and machines powered res or explosive dust atmospheres or both Part	by such engine systems, for use in mines and pl 3-2: Hazardous locations on surface - Explosion-
p EN	Gr 9
24p EN	27.020; 29.260.20
ructional and performance requirements for explosi cilitates the repair of the engine systems as a speci	on-protected engine systems for use in hazardous loo alized activity.
2012 gnition engine systems and machines powered res or explosive dust atmospheres or both Part p EN $p \in N$	by such engine systems, for use in mines and pl 3-3: Hazardous locations on surface - Machines Gr 8 27.020: 29.260.20
ructional and performance requirements for machin	es fitted with compression-ignition engines for use in
and works.	
05 (2012-08-17)	
gnition engine systems and machines powered res or explosive dust atmospheres or both Part	by such engine systems, for use in mines and pl 4: Non-hazardous locations in underground coal
p EN	Gr 8
21p EN	27.020; 29.260.20
ructional and performance requirements for comme n purpose of this standard is to allow the introduction heir excellent driving safety features. Production ve	rcial transport vehicles for use in non-hazardous loca on of commercial vehicles, adapted to prevent them f hicles are excluded from this standard, and are addre

in hazardous locations in underground mines and works.

SANS 868-3-1:2012 Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both Part 3-1: Hazardous locations on surface - Basic explosion-protected engines

Gr 6

Ed 1.00 A4 12p EN PDF 12p EN

27.020; 29.260.20 Specifies constructional and performance requirements for basic explosion-protected engines for use in hazardous locations in surface plants and works. It facilitates the repair of the engine as a specialized activity.

SANS 868-3-2:2012

Compression-i ants with explosive gas atmospher protected engine systems

Ed 1.00 A4 24 PDF 2

cations in surface plants Specifies const and works. It fa

SANS 868-3-3:2

Compression-i ants with explosive gas atmospher Ed 1.00 A4 19 PDF

Specifies constr hazardous locations in surface plants a

SANS 868-4:20

Compression-i ants with explosive gas atmospher mines

Ed 1.01 A4 21 PDF 2

Specifies const ations in underground mines. The main rom being a fire hazard, while retaining t essed in relevant parts of SANS 868-1.

Am 1(National), 2005-12-02

NUMERICAL LIST OF STANDARDS

Gr 6

27.020; 29.260.20

27.020; 29.260.20

Specifies constructional and performance requirements for basic explosion protected engines for use in hazardous locations in underground mines and works. It facilitates the repair of the engine as a specialized activity. Specific provision is made for group I explosive atmospheres, involving flammable gases (e.g. methane) in all underground mines and coal dust in underground coal mines.

Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both Part 1-1:Hazardous locations in underground mines - Basic explosion

SANS 868-1-2:2005

protected engines Ed 1.00 A4 12p EN

Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both Part 1-2: Hazardous locations in underground mines - Explosion protected engine systems Ed 1.00 A4 23p EN Gr 9

PDF 23p EN

SANS 868-1-1:2005 (2012-08-17)

PDF 12p EN

Specifies constructional and performance requirements for explosion protected compression-ignition engine systems for use in hazardous locations in underground mines.

SANS 868-1-3:2005

Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both Part 1-3: Hazardous locations in underground mines - Machines Ed 1.00 A4 15p EN Gr 7 PDF 15p EN 27.020: 29.260.20

Specifies constructional and performance requirements for machines fitted with explosion protected compression-ignition engine systems, for use

SANS 871:2009 (SABS 871) Boron timber preservatives Ed 2.00 A4 11p EN Gr 6 PDF 11p EN 71.100.50 Covers requirements for the following three types of boron timber preservatives, type I: a sodium borate of a composition corresponding approximately to that of disodium octaborate tetrahydrate, type II: a mixture of borax and boric acid and type III: a polyborate derivation that contains emulsified wax. SANS 873:2007 (SABS 873) Knitted tubular bandages Ed 3.00 A4 11p EN Gr 6 PDF 11p EN 11 040 30 59 080 30 Covers requirements for five types of knitted tubular bandages for use as supportive and protective surgical dressings. SANS 876:2009 / NRS 012:2009 Cable terminations and live conductors within air-filled enclosures (insulation co-ordination) for rated a.c. voltages from 7,2 kV up to and including 36 kV Ed 1.00 A4 41p EN Gr 11 PDF 41p EN 29.060.20 Covers requirements for enclosures for the termination of cables and for the housing of live conductors in air, for use indoors or outdoors, at rated a.c. voltages of 7,2 kV up to and including 36 kV. SANS 877:2007 (2012-12-14) (SABS 877) Woven cotton tapes Ed 3.00 A4 12p EN Gr 6 PDF 12p EN 59.080.30 Specifies requirements for seven types of woven cotton tape for industrial, hospital and general use. SANS 878:2012 (SABS 878) **Ready-mixed concrete** Ed 4.02 A4 18p EN Gr 7 PDF 18p EN 91.100.30 Covers the requirements for ready-mixed concrete, its constituent materials, batching and mixing equipment, production and delivery, testing, guality control and records and defines the responsibilities of the purchaser and the supplier. Am 1(National), 2004-11-05 Am 2(National), 2012-10-26 SANS 879:2009 / DS 2403:2001 **Energy management - Specifications** Ed 1.00 A4 12p EN Gr 7 PDF 12p EN 13.020.10 Specifies requirements for an energy management system to enable an organization to take care of present and future energy comsumption and be able to maintain this method. Applies to those energy aspects that the organization can control and over which it can be expected to have an influence. States requirements for ongoing improvements in the form of more efficient use of energy and energy savings. SANS 881:2009 Hard coal - Determination of caking power - Roga test Ed 1.00 A4 7p EN Gr 5 PDF 7p EN 73.040 Specifies a method of determining the caking power of hard coal by the Roga test. SANS 882:2011 Envelopes Ed 1.00 A4 16p EN Gr 7 PDF 16p EN 85.080 Covers envelopes for general correspondence, including types suitable for use with automatic mailing equipment. SANS 883:2009 / ISO 5999:2007 Flexible cellular polymeric materials - Polyurethane foam for load-bearing applications excluding carpet underlay - Specification Ed 1.00 A4 20p EN Gr 9 PDF 20p EN 83.100 Specifies requirements for flexible load-bearing polyurethane foam of the polyether type.

NUMERICAL LIST OF STANDARDS

Standards South Africa Catalogue 2013

SANS 885:2011 (SABS 885)		
Processed meat products		
Ed 3.00 A4 41p EN PDF 41p EN		Gr 11 67.120.10
Specifies the requirements for the handl products, and includes microbiological a	ng, preparation, processing, packaging, r nd compositional requirements for these	refrigeration, freezing, chilling and storage of processed meat products.
CANC 996,2000 / DC 9406,2007		
Water quality - Enumeration of micro- reference to the contribution of uncer	organisms in water samples - Guidanc tainty of measurement	e on the estimation of variation of results with particular
Ed 1.00 A4 25p EN		Gr 10
PDF 25p EN		03.120.30; 07.100.20
Gives guidance on interpretation of the r designation SANS 17025:2005) with reg estimation of variation in results between whether the variation due to uncertainty 17025:2005. It is applicable to examinat	equirements in BS EN ISO/IEC 17025:20 ard to the uncertainty of measurement in 1 replicate sub-samples, which will include of measurement has been controlled in a on of sub-samples as part of a quality as	105 (published in South Africa as an identical adoption under the microbial counts in water samples. It gives guidance on the e that due to uncertainty of measurement, in order to assess ccordance with the requirements specified in BS EN ISO/IEC surance system. It is applicable to samples of all types of water.
SANS 887:2005 (2011-03-31) (SABS 887)		
Varnish for interior use		
Ed 3.00 A4 15p EN		Gr 7
PDF 15p EN		87.040
Covers two types of varnish for interior u and chemical-resistant glossy or eggshe	se on wooden surfaces, Type I: general p Il varnish.	purpose glossy or eggshell varnish, and Type II: solvent-, heat-,
SANS 888:2008 (SABS 888)		
Interlining		
Ed 3.01 A4 10p EN		Gr 5
PDF 10p EN		59.080.30
Covers the requirements for four types of uniforms, civilian suits and neckties. Am 1(National), 2008-06-13	f haircloth and one type of cellulosic (or o	ther fibre) interlinings suitable for use in the manufacture of
SANS 890-1:2007 (2012-06-29)		
(SABS 890-1)		
Ballasts for fluorescent lamps Part 1:	Ballasts for lamps for operation with s	starters (class A lamps)
Ed 1.02 A4 9p EN		Gr 5
PDF 9p EN		29.140.30
Specifies requirements for ballasts, excl Am 1(National), 2002-07-26	uding resistance types, for fluorescent lan Am 2(National), 2007-04-20	nps for operation with starters.
SANS 890-2:2013		
Ballasts for fluorescent lamos Part 2:	Ballasts for lamps for operation witho	ut starters (class B lamos)
Ed 3.02 A4.37p EN		Gr 10
PDF 37p EN		29.140.30
Specifies requirements for ballasts for flu least class A, with the power factor corre and operation at an ambient air tempera	porescent lamps (hot cathode type only) for the or uncorrected, for use on a.c. support ture of 10 $^\circ\!$	or operation without starters (class B lamps), with insulation of at ly voltages of 110 V to 250 V and at a rated frequency of 50 Hz,
Am 1(National), 2006-12-01	Am 2(National), 2013-03-01	
SANS 891:2006 (2011-12-01) (SABS 891)		
Reference ballasts for class B fluores	cent lamps	
Ed 3.01 A4 8p EN	•	Gr 5
PDF 8p EN		29.140.30
Specifies the essential design features a a frequency of 50 Hz. Am 1(National), 2006-11-17	nd operating characteristics of reference	ballasts for class B fluorescent lamps for use on a.c. supplies at
SANS 892:2012 (SABS 892) Concerning automate (baseds, granulae and powders)		
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Ed 2.02 A4 15p EN	Cr 7	
PDF 15p EN	71 100 40	
Covers a solid general purpose detergent for the cleaning of hard surfaces such as and the surfaces of equipment. Solutions of the detergent are suitable for application Am 1(National), 1994-04-01 Am 2(National), 2003-05-30	s painted surfaces, floors, ceilings, ceramic and plastics tiles, on by cloth, mop, brush, or spraying equipment. Am 3(National), 2012-12-14	
SANS 894:2009 / SEE NOTE IN STAGE 55.60:2008 Test Specifications for SD and HD Level Integrated Receiver Decoders		
Ed 1.00 A4 232p EN PDF 232p EN	Gr 20	
Contains the unified test specifications for SD and HD level integrated receiver dec networks.	coders for use in cable, satellite, terrestrial and IP-based	
SANS 895:2008		
(SABS 895)		
Gas cylinder trolleys		
Ed 2.01 A4 10p EN	Gr 5	
	11.140; 53.120	
Covers dimensional and constructional requirements for gas cylinder trolleys used capacity 20 L. Am 1(National). 2008-08-22	in hospitals for the conveyance of gas cylinders of water	
SANS 896:2003 (2010-02-12) (SABS 896)		
Soiled linen carriers		
Ed 2.02 A4 11p EN	Gr 6	
PDF 11p EN	11.140; 53.120	
Covers the dimensional and constructional requirements for two types of wheeled intended for use in medical institutions. Am 1(National), 1975-11-01 Am 2(National), 2003-07-25	soiled linen carriers, including their canvas or plastic receptacles,	
SANS 897:2008 (SABS 897)		
Wheeled bed screens		
Ed 2.04 A4 12p EN	Gr 6	
PDF 12p EN	11.140; 97.140	
Covers the dimensional and constructional requirements for four types of bed screAm 1(National), 1981-03-01Am 2(National), 1991-02-01Am 4(National), 2008-07-18	ens for use in hospitals. Am 3(National), 2002-10-09	
SANS 898:2011		
Good manufacturing practices for the self mixing of feed in the livestock indi	ustry	
PDF 11p EN	Gr 6	
Covers the self-mixing of compound feed and supplements, simple and moisture-rilivestock industry to ensure that the delivery of the feed consistently meet the requer environmental safety.	ich animal feed and animal feed ingredients for feed for the irements laid down by law, with regard to human, animal and	
SANS 899:1987 (1999-11-22) (SABS 899)		
Insecticidal space sprays in pressurized aerosol dispensers		
Ed 3.00 A5 9p EN Loose-leaf	Gr 6	
Covers the requirements for insecticidal space sprays for household and industrial	65.100.10 use and for the disinsectization of aircraft. SABS 898 must be	
SANS 901:2009 (SARS 901)		
Paint and varnish brushes (flat type)		
Ed 3.01 A4 15p EN	Gr 7	
PDF 15p EN	87.100	

Specifies requirements for professional, contractor and general-purpose paint and varnish brushes (flat type) made of bristles that are set into a suitable setting compound and encased in a metal ferrule attached to a wooden or plastics handle. Am 1(National), 2009-05-15

SANS 90 (SABS 90	2:2007 (2013-01-18) ⁽²⁾		
Ed 3.00	A4 14p EN		Gr 6
Specifies fibres.	performance and structural rec	uirements for 17 types of hessian cloth ma	59.080.30 ade from bast and leaf fibres, or from mixtures of bast and leaf
SANS 90 (SABS 90	3:2010 ⁽³⁾		
Aluminiu	m alloy corrugated and troug	jhed sheets	
Ed 4.00	A4 18p EN PDF 18p EN		Gr 7 77.150.10
Covers 4 compositi appendix	types of straight corrugated and on, tensile strength, resistance describes recommended practi	d 6 types of straight troughed aluminium a to bending, thickness, number of corrugat ices to be observed when these sheets are	lloy sheets. Requirements are given for the chemical tion or pitches, width, length, squareness and finish. An e used.
SANS 90 Leather -	4:2010 / ISO 4044:2008 Chemical tests - Preparation	of chemical test samples	
Ed 1.00	A4 7p EN		Gr 6
	PDF ['] 7p EN		59.140.30
Specifies	a method for the preparation of	f a test sample of leather for chemical ana	lysis. It is applicable to all types of leather.
SANS 90 (SABS 90	6:2006 (2012-02-24) ¹⁶⁾		
Stainless	steel wash-hand basins and	wash troughs	
Ed 2.03	A4 13p EN		Gr 6
	PDF 13p EN		91.140.70
Covers m Am 1(Nat	aterial, dimensional, and const ional), 1975-08-01	ructional requirements for stainless steel v Am 2(National), 1977-11-01	vash-hand basins and wash troughs. Am 3(National), 2006-03-03
SANS 90 (SABS 90	7:2009 ⁽⁷⁾		
Stainless	steel sinks for institutional u	use	
Ed 2.01	A4 14p EN PDF 14p EN		Gr 6 91.140.70
Covers m for use in Am 1(Nat	aterial, dimensional, and const institutions. ional), 2009-02-20	ructional requirements for stainless steel c	prockery sinks with draining boards and stainless steel pot sinks,
SANS 91 Requiren	0:2011 nents for the receiving, handl	ling, transportation and storage of impo	orted genetically modified commodities not approved for
general r	elease		Cr. 4
Lu 1.00	PDF 6p EN		55.020: 67.020
Specifies general re	requirements for the receiving, elease.	handling, transportation and storage of im	ported genetically modified commodities not approved for
SANS 91 (SABS 91	1:2004 1)		
Natural fi	bre ropes		
Ed 3.02	A4 21p EN		Gr 8
	PDF 21p EN		59.080.50
Covers the type rope angle of la strength, Am 1(Nat	e requirements for three types construction in cotton, and one ay, length of 10 lays, non-fibrou rotproofing and water repellenc ional) 1982-08-01	of rope construction in three grades of ma e type rope construction in coir. Lays down is material content, diameter, linear density y. Am 2(National) 2004-04-23	nila, three types of rope construction in one grade of sisal, one the requirements for type of fibre, identification, direction and y, mass per unit length, number of yarns per strand, breaking
		···· =(((u(())(u)), =00+-0+-20	
SANS 91	3:2007		
Springer	ਹ) ikes for light rails		
Ed 3.00	A4 11p EN		Gr 6
	PDF 11p EN		21.060.99; 45.080

This standard covers the requirements for springspikes for flat-bottom rails of mass per length 15, 22, and 30 kg/m. It does not cover springspikes used in the national rail network.

SANS 914:2011 (SABS 914) Fishplates for light rails		
Ed 3.01 A4 14p EN PDF 14p EN		Gr 6 21.060.99: 45.080
Covers the material, dimensional, and me not cover fishplates used in the national ra Am 1(National), 2011-05-13	chanical requirements for fishplates for a finite states for a finite state of the	flat-bottom rails of nominal mass 10, 15, 22, and 30 kg/m. It does
SANS 915:2011 (SABS 915) Coach screws for light rails		
Ed 3.01 A4 11p EN PDF 11p EN		Gr 6 21.060.10; 45.080
Covers the dimensional and constructiona Am 1(National), 2011-05-13	I requirements for coach screws) for fla	t-bottom rails of mass per length of 15, 22, and 30 kg/m.
SANS 916:2011 (SABS 916) Fishbolts and nuts for light rails Ed 3.01 A4 16p EN PDF 16p EN		Gr 7 21 060 10: 21 060 20
Covers the requirements for three types or Am 1(National), 2011-05-13	f fishbolts and nuts for flat-bottom rails c	of nominal mass per length 10, 15, 22 and 30 kg/m.
SANS 917:2011 (SABS 917) Dogspikes for light rails Ed 3.01 A4 10p EN PDF 10p EN		Gr 5 21.060.99: 45.080
Covers the dimensional and constructiona Am 1(National), 2011-05-13	I requirements for dogspikes for flat-bot	tom rails of mass per length 10, 15 and 22 kg/m.
SANS 920:2011 (SABS 920) Steel bars for concrete reinforcement Ed 2.03 A4 19p EN		Gr 8
PDF 19p EN		77.140.15; 77.140.60; 91.080.40
Covers the physical and mechanical requitereatment of the steel bars.	rements for carbon steel bars intended	for use as reinforcement for concrete. Does not cover any surface
Am 1(National), 1994-09-01	am 2(National), 2005-12-02	Am 3(National), 2011-02-11
(SABS 921) Ditch imprograted fibre pince and fittin	es and isinting	
Ed 3.01 A4 24p EN PDF 24p EN	gs and jointing	Gr 8
Specifies the dimensional and minimum q mm, 100 mm and 150 mm, together with p walls, for use as cable conduit and when t Am 1(National), 2009-02-06	uality requirements for pitch-impregnate bitch fibre fittings and polypropylene and hey have perforated walls, for subsoil dr	ed fibre pipes (known as pitch fibre pipes) of nominal diameter 75 I polyethylene couplings, that are suitable, when they have solid ainage.
SANS 924:2003 (2011-02-24) (SABS 924) Staiplass steel stell uripals		
Ed 3.00 A4 12p EN		Gr 6
Covers material, dimensional, and constru	ictional requirements for 3 types of stair	91.140.70 Iless steel stall urinals for installation in public buildings.
SANS 925:2006		
סמס פבט) Orthopaedic tubular knitted fabric		
Ed 3.02 A4 8p EN PDF 8p EN		Gr 5 11 040 30: 59 080 30
Specifies requirements for one type of pla Am 1(National), 2001-02-09	in knitted tubular fabric for orthopaedic ι Am 2(National), 2006-08-11	Jse.

Standards South Africa Catalogue 2013 NUM - 97

SANS 927:2013 (SABS 927)	channala	
Ed 2.02 A4 12p EN	channels	Gr 6
PDF 13p EN		91 100 30: 93 080 10
Specifies the dimensional and physical r construction of roads and footpaths. Am 1(National), 2007-02-16	requirements for various types of precast Am 2(National), 2013-02-22	concrete kerbs, edgings and channels intended for use in the
SANS 928:2009 / ISO 10241:1992 International terminology standards -	Preparation and layout	
Ed 1.00 A4 28p EN PDF 28p EN		Gr 10 01.020
Establishes rules for use in the preparati terminology, which are treated in ISO 704	ion and layout of international terminolog 4 (published in South Africa as an identic	y standards. It does not stipulate principles and methods of all adoption under the designation SANS 704).
SANS 929:2008 (SABS 929)		
Plywood and composite board		
Ed 2.07 A4 31p EN		Gr 10
PDF 31p EN		79.060.10
Covers requirements for materials, considecorative aminoplast-face board ("low-p	truction, preservative treatment, dimensi pressure laminates").	ons and performance of plywood and composite board including
Am 1(National), 1989-11-01 Am 4(National), 1992-11-01 Am 7(National), 2008-11-21	Am 2(National), 1991-05-01 Am 5(National), 2004-06-11	Am 3(National), 1991-11-01 Am 6(National), 2007-01-19
SANS 930:2006 (2011-04-14) (SABS 930)		
Processed cotton duck (560 g)		
Ed 3.00 A4 15p EN PDF 15p EN		Gr 7
Covers the requirements for one type of	processed cotton duck, rated as type 56	0 of SANS 495:2005, suitable for use as tent material.
SANS 933:2007 (SABS 933)		
Corrugated board containers for the e	export of citrus fruit	
Ed 2.02 A4 11p EN		Gr 6
PDF 11p EN		67.080.10; 85.060
Covers the components of a corrugated of 15 kg of citrus fruit. Requirements are the corrugated board, and for dimension Am 1(National), 1982-03-01	board container of the telescopic type to e given for grammage, calliper, ply adhes is, accuracy, and degree of creasing, and Am 2(National), 2007-09-07	be used for the transportation (for export) of a nominal net mass ion (dry and damp), flat-crush resistance, and water absorption of a manufacturer's joints.
SANS 936:2008		
Spheroidal graphite iron castings		
Ed 1.02 A4 24p EN		Gr 9
PDF 24p EN Covers six grades of spheroidal graphite	e iron castings, the grading being based	77.140.80 on mechanical properties.
Am 1(National), 1970-02-01	Am 2(National), 2008-12-24	
SANS 937 AND SANS 936:1969 (SABS 937 AND SANS 936)		
Austenitic spheroidal graphite iron ca Ed 1.00 A4 28p EN SANS 936 and SA PDF 28p EN	astings NS 937 bound together	Gr 9 77.140.80
Covers 6 grades of spheroidal graphite. corrosion, and wear.	Covers 6 grades of austenitic spheroidal	graphite iron castings that have a high resistance to heat,
SANS 937:2010 (SABS 937)		
Austenitic spheroidal graphite iron ca	astings	
Ed 1.03 A4 14p EN		Gr 6
PDF 14p EN		77.140.80
Covers six grades of austenitic spheroid	al graphite iron castings that have a high	resistance to heat, corrosion, and wear.

Covers six grades of austenitic spheroidal graphite iron castings that have a high resistance to heat, corrosion, and weAm 1(National), 1970-02-01Am 2(National), 2008-12-24Am 3(National), 2010-10-08

Standards South Africa Catalogue 2013

SANS 938:2003 (2009-03-20)	
(SABS 938)	
Ed 1 02 A4 10p EN	Gr 5
PDF 10p EN	59.080.50
Covers the requirements for unpolished twines made from flax, hemp or sisal and Am 1(National), 1989-05-12Am 2(National), 2003-05-23	I sisal twist.
SANS 939:2008 (SABS 939)	
Polished twines	
Ed 1.04 A4 13p EN PDF 13p EN	Gr 6
Covers polished twines made from flax, hemp, cotton, rayon staple, and cotton-ar Am 1(National), 1989-02-01 Col 1(National), 1999-04-16 Am 3(National), 2008-04-18	nd-rayon staple mixtures. Am 2(National), 2002-07-26
SANS 940:2005 (2010-06-17) (SABS 940)	
Emulsion roof paint	
Ed 2.01 A4 15p EN PDF 15p EN	Gr 7 87 040
Specifies requirements for roof paint based on synthetic polymers dispersed in a roofs, including new and aged galvanized steel roofs and sidings.	water phase. It makes provision for a self-priming paint for use on
SANS 941:2012 Energy efficiency of electrical and electronic apparatus	
Ed 1.00 A4 11p EN	Gr 6
PDF 11p EN	13.020; 97.030
Covers energy efficiency requirements, measurement methods and energy efficiency	ency labelling of electrical and electronic apparatus.
SANS 942:2009 (2009-05-29) (SABS 942)	
Children's, youths', and maids' school shoes with direct injection-moulded	soles and heels
PDF 26p EN	Gr 9 61.060
Specifies requirements for three types of children's, youth's, and maids' school sh	noes made according to the direct injection-moulded principle in
one or both of the size ranges 150-205 and 210 and upwards. Am 1(National), 1985-05-01 Am 2(National), 1994-06-01 Am 4(National), 2009-03-27	Am 3(National), 2004-08-13
SANS 943:2008 (SABS 943)	
Man-made fibre ropes	
Ed 2.03 A4 22p EN PDF 22p EN	Gr 8
Specifies 3-strand hawser (plain)-laid and 8-strand plaited (cross-laid) ropes made filament fibres, and polypropylene mono-filament or film tapes.	e from polyamide, polyester, and polyethylene continuous
Am 1(National), 1981-08-01 Am 2(National), 2002-09-20	Am 3(National), 2008-09-26
SANS 945-1:2006 (SABS 945-1)	
Support and compression bandages Part 1: Woven crêpe bandages	
PDF 12p EN	Gr 6 11.040.30: 59.080.30
Specifies requirements for two types of woven crêpe bandages and one type of e Am 1(National), 1995-09-18 Am 2(National), 2000-01-20 Am 4(National), 2006-08-11	lasticated woven crêpe bandage. Am 3(National), 2001-08-20
SANS 945-2:2002	
(SABS 945-2)	
Support and compression bandages Part 2: Warp-knitted bandages	
Ea 2.00 A4 10p EN PDF 10p EN	Gr 6 11.040.30:59.080.30
Specifies requirements for three types of warn-knitted bandage	
opeomod requiremente for times types of Marp failted bandage.	

Standards South Africa Catalogue 2013 NUM - 99

SANS 947:2012 (SABS 947) Indoor venetian blinds		
Ed 1.03 A4 15p EN PDF 15p EN		Gr 7 91.180; 97.180
Covers venetian blinds of area not exce Quality and performance requirements the Am 1(National), 1976-05-01	eding 11, 125 sq m and width not exceedi for all components of blinds and for the co Am 2(National), 2007-06-01	ing 4 m and fitted with 50 mm, 35 mm and 25 mm wide slats. mplete blind are laid down. Am 3(National), 2012-08-24
SANS 949:2005 (SABS 949) Strongroom and vault doors		
Ed 2.02 A4 16p EN PDF 16p EN		Gr 7 13.310; 91.060.50
Specifies the requirements for six categ min.	ories of strongroom and vault door that wi	Il also give protection against fire for a maximum period of 30
Am 1(National), 1998-03-09	Am 2(National), 2005-04-01	
SANS 950:2008 (SABS 950) Unplasticized polyvinyl chloride rigid Ed 2 02 A4 33p EN	l conduit and fittings for use in electric	al installations
PDF 33p EN		29.120.10; 83.140.30
Covers the material, dimensional and procedures. Am 1(National), 2007-05-04	erformance requirements of uPVC rigid cc	onduit and fittings. Appendix C contains recommended installation
SANS 951:2007		
(SABS 951)		
Fire-resistant record protection equip	oment	Gr 6
PDF 11p EN		13.220.20
Covers 4 groups of fire-resistant record of magnetic storage media or paper. Am 1(National), 2007-09-14	equipment. Groups 1, 2 and 3 are for the	protection of paper documents and Group 4 is for the protection
SANS 952-1:2011	waterproofing in buildings Part 1. Men	ofilament and co-ovtruded products
Ed 1.00 A4 31p EN		Gr 10
PDF 31p EN		83.140.10; 91.120.30
Covers the requirements for five types of material in walls, under concrete and un	of monofilament polyolefin film and four typ nder roofing tiles, and for the water-proofin	pes of co-extruded polyolefin film, for use as a damp-proofing g of basements.
SANS 952-2:2011 Bolymer film for damp-proofing and y	waterproofing in buildings Part 2. Lami	nated (non-woven) products
Ed 1.00 A4 18p EN	waterproofing in buildings r art 2. Lann	Gr 7
PDF 18p EN		91.120.30
Covers the requirements for non-woven	, laminated, polyolefin membranes for use	e as a damp-proofing material under concrete or clay roofing tiles.
SANS 953-1:2008 (SABS 953-1) Storage of firearms and ammunition	Part 1: Safes	
Ed 1.01 A4 13p EN		Gr 6
Specifies the requirements for five types Am 1(National), 2008-07-25	s of safe intended for the storage of a limit	13.310 ted number of firearms and their ammunition.
SANS 953-2:2003 (2008-11-21)		
(SABS 953-2) Storage of firearms and ammunition	Part 2: Strongrooms	
Ed 1.01 A4 8p EN		Gr 5
PDF 8p EN		13.310
Specifica the requirements for two actor	action of atronarcome intended for the sta	rade of firearms and their ammunition

Specifies the requirements for two categories of strongrooms intended for the storage of firearms and their ammunition. Am 1(National), 2003-03-28

SANS 954:2011	
(SABS 954)	
Metal-arc welding equipment (non-au	tomatic, single-operator, transformer type)
PDF 33p EN	Gr 10 25 160 30
Covers non-automatic, single-operator, for direct current or for alternating curren 630 A at 60 % duty cycles.	arc welding transfomers for alternating current metal-arc welding, and arc welding transformer-rectifier units nt/direct current welding. The equipment is intended for operation at rated welding currents not exceeding
Am 1(National), 2004-08-13	Am 2(National), 2011-10-28
SANS 955:2007 (SABS 955) Lidocaine (lignocaine) hydrochloride	and adrenaline (epinephrine) injection for dental use
PDF 12p EN	11.060.10: 11.120.10
Specifies requirements for a sterile solu tartrate for dental use. Am 1(National), 2007-05-25	tion (in water for injections) of lidocaine (lignocaine) hydrochloride and adrenaline (epinephrine) acid
SANS 956-1:2009 / ISO 20022-1:2004 Financial services - UNIversal Financ to and outputs from the ISO 20022 Re	ial Industry message scheme Part 1: Overall methodology and format specifications for inputs
Ed 1.00 A4 32p EN	Gr 11
PDF 32p EN	03.060; 35.240.40
Consists of the overall description of the of the input to be accepted by the Regis high-level description of the Repository	modelling approach; the overall description of the ISO 20022 Repository contents; a high-level description tration Authority to feed/modify the Repository's Data Dictionary and Business Process Catalogue; and a putput to be made publicly available by the Registration Authority.
SANS 956-2:2009 / ISO 20022-2:2007 Financial services - UNIversal Financ	ial Industry message scheme Part 2: Roles and responsibilities of the registration bodies
Ed 1.00 A4 25p EN	Gr 10
PDF 25p EN	03.060
Specifies the responsibilities of the bodi (RA) is the operating authority responsib groups of industry experts responsible for body of the overall registration process a monitors the registration process perform	es involved in the registration and maintenance of the ISO 20022 repository. The Registration Authority ble for the above-mentioned tasks and is assisted by different standards evaluation groups (SEGs), i.e. or specific business areas of the repository. The Registration Management Group (RMG) is the governing and the appeal body for the communities of users, the RA, the SEGs and the submitting organizations, and mance.
ARP 956-3:2009 / ISO/TS 20022-3:200	4
Financial services - UNIversal Financ	ial Industry message scheme Part 3: ISO 20022 modelling guidelines
Ed 1.00 A4 51p EN	Gr 13
	U3.060; 35.240.40
problems existing among different organ	lizations within the context of a given business process.
ARP 956-5:2009 / ISO/TS 20022-5:200 Financial services - UNIversal Financ	4 ial Industry message scheme Part 5: ISO 20022 reverse engineering
Ed 1.00 A4 45p EN	Gr 12
	03.060; 35.240.40
covered by his/her own industry message	verse engineering from the point of view of the user who wants to verify that the business functionality, je set, is covered by ISO 20022 compliant business transactions and message sets.
SANS 956-6:2010 / ISO 20022-6:2009 Financial services - UNIversal Financ	ial Industry message scheme Part 6: Message Transport Characteristics
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	03.060; 35.240.40
Specifies the characteristics of the Mess to the value of the Message TransportC the ISO 20022 Repository is associated Transport Characteristics. It specifically required for interoperability at the busine	age Transport System required for an ISO 20022 Business Transaction and Message Definition. Changes haracteristics can affect the Business Transaction and Message Definition. Each Business Transaction in with a Message Transport Mode. The Message Transport Mode specifies the values for the Message does not define the wire-level interoperability of message transports, but defines only those characteristics ass process and message level.
SANS 957:2010 / ISO 6310:2009 Road vehicles - Brake linings - Comp	ressive strain test methods

Road vehicles - brake linnings - Compressive strain test methods	
Ed 2.00 A4 21p EN	Gr 8
PDF 21p EN	43.040.40

Specifies a method for test and measurement of the compressive displacement of brake linings or brake pad assemblies due to loading and temperature. Also provides a test method to assess lining thermal swell and growth. Applies to disc brake pad assemblies or coupon samples cut from the friction material.

Standards South Africa Catalogue 2013 NUM - 101

SANS 959-1:2012 / NRS 052-1:2012 Photovoltaic systems for use in individual homes, schools and clinics Part 1: Standardized requirements applicable to off-grid

individual homes, schools and clinics

Ed 1.00 A4 100p EN PDF 100p EN	Gr 15 27.160
Specifies requirements for the components of photovoltaic syst as optimized for selected system sizes, based on an a.c. suppl provide solar power to individual homes, schools and clinics.	tems, based on a d.c. supply of 12 V for individual homes and photovoltaic systems y of 230 V for selected schools and clinics, as envisaged in a national programme to
SANS 959-2-1:2012 / NRS 052-2-1:2012 Photovoltaic systems for use in individual homes, schools	and clinics Part 2-1: Test procedures for main components - Photovoltaic
	C* 7
PDF 12p EN	27 160
Specifies test procedures for photovoltaic modules for use in pl objective of the test procedures is to verify compliance with the	hotovoltaic systems of nominal d.c. voltages 12 V, 24 V, 36 V and 48 V. The requirements specified in NRS 052-1.
SANS 959-2-2:2012 / NBS 052-2-2:2012	
Photovoltaic systems for use in individual homes, schools	and clinics Part 2-2: Test procedures for main components - Batteries
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	27.160
Specifies test procedures for batteries for use in photovoltaic sy objective of the test procedures is to verify compliance with the	ystems of nominal d.c. voltage 12 V and maximum currents of up to 20 A. The requirements specified in NRS 052-1.
SANS 959-2-3:2012 / NBS 052-2-3:2012	
Photovoltaic systems for use in individual homes, schools charge controllers and maximum power point trackers (MF	and clinics Part 2-3: Test procedures for main components - Regulators, PPTs)
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	27.160
Specifies test procedures for regulators for use in photovoltaic procedures may be adapted for regulators used on larger syste NRS 052-1. The objective of the test procedures is to verify con	systems of nominal d.c. voltage 12 V and maximum currents of up to 15 A. The test ems and voltages of 24 V, 36 V and 48 V, as envisaged for schools and clinics in mpliance with the requirements specified in NRS 052-1.
SANS 959-2-4:2012 / NRS 052-2-4:2012	
Photovoltaic systems for use in individual homes, schools	and clinics Part 2-4: Test procedures for main components - Inverters
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	27.160
Specifies test procedures for inverters for use in photovoltaic sy up to 15 A.	ystems of nominal d.c. voltages 12 V, 24 V, 36 V and 48 V and maximum currects of
SANS 959-2-5:2012 / NRS 052-2-5:2012	
Photovoltaic systems for use in individual homes, schools	and clinics Part 2-5: Test procedures for main components - Luminaires
Ed 1.00 A4 17p EN	Gr 8
PDF 17p EN	27.160
Specifies test procedures for luminaires for use in photovoltaic envisaged in NRS 052-1. The tests may be adapted for luminai verify compliance with the requirements specified in NRS 052-1	systems of nominal d.c. voltage 12 V and maximum currents of up to 15 A as ires and lamps of 24 V, 36 V and 48 V. The objective of the test procedure is to 1.
SANS 959-3:2012 / NRS 052-3:2012 Photovoltaic systems for use in individual homes, schools	and clinics Part 3: Standardized requirements applicable to the
Installation and maintenance of off-grid systems in individe	ual nomes, schools and clinics
PDF 52p EN	01 IS 27 160
Specifies requirements for the installation and maintenance of programme to provide solar power to individual homes, schools	photovoltaic systems, based on a d.c. of 12 V, as envisaged in a national
programme to provide solar power to individual nomes, schools	
SANS 960:2005 (2011-06-03)	

(SABS	SM	960)
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Textiles - Dimensional stability during washing and drying procedures

Ed 4.00	A4 9p EN	Gr 5
	PDF 9p EN	59.080.30; 61.020

Specifies a method of determining the effect of washing and drying procedures on the dimensional stability of fabrics, garments and other textile articles. Seven washing procedures and 5 drying procedures are described. A complete test consists of a washing and a drying procedure.

SANS 962-1:2009 (SABS 962-1) Mechanical fasteners for conveyor be Ed 2.02 A4 14p EN	elts Part 1: Plate-and-bolt type fastener	s Gr 6
PDF 14p EN		21.060.10; 53.040.20
Specifies the requirements for plate-and abrasion-resistant or corrossion-resistant Am 1(National), 2006-10-06	l-bolt type mechanical fasteners for conve tt properties are required. Does not cover Am 2(National), 2009-10-02	eyor belts for normal industrial applications and where special vulcanized joints.
SANS 962-2:2006		
(SABS 962-2)		
Mechanical fasteners for conveyor be	elts Part 2: Hinged type and plate-and-r	ivet type fasteners
Ed 2.01 A4 14p EN		Gr 6
		21.060.40; 53.040.20
where special abrasion-resistant or corror Am 1(National), 2006-09-08	and plate-and-rivet type mechanical faster osion-resistant properties are required. Dr	ners for conveyor belts for normal industrial applications and bes not cover vulcanised joints.
SANS 964:2008		
(SABS 964)		
Solas life-jackets		
Ed 3.01 A4 27p EN		Gr 9
		13.340.70
Am 1(National), 2008-02-22	onstruction, performance, sizing, marking	and test methods for Solas life-jackets.
SANS 965:2010		
(SABS 965)	-	
Ed 1.05 A4 13p EN	25	Gr 6
PDF 13p EN		77 140 20: 77 140 75
Covers the requirements for four types of subdivided into class A (general engineer Am 1(National), 1970-11-01	of welded austenitic stainless steel tube o ering purpose tube) and class B (low pres Am 2(National), 1981-11-01	f outside diameter not exceeding 110 mm, each type being sure hydraulic tube). Am 3(National), 1987-03-01
Am 4(National), 2008-12-12	Am 5(National), 2010-10-08	
SANS 966-1:2013		
(SABS 966-1)		
Components of pressure pipe system	is Part 1: Unplasticized poly(vinyl chlo	ride) (PVC-U) pressure pipe systems
Ed 3.06 A4 46p EN PDF 46p EN		Gr 11
	naby(view) ablavida) (D)(C, L)) since and in	23.040.20, 23.040.43
below-ground pressure applications for t temperatures in excess of 25 ℃ are not nominal outside diameter 90 mm or less and three classes of fittings for reticulati Am 1(National), 2000-07-21 Am 4(National), 2008-12-12	the conveyance of potable water in reticul encountered. Gives minimum wall thickn s and 12,5 MPa for pipes of nominal outsi on systems. Specifies 25 nominal sizes of Am 2(National), 2004-11-05 Am 5(National), 2010-04-30	ation systems and for other applications in which continuous esses, based on a design stress rating of 10 MPa for pipes of de diameter 110 mm and more. Covers seven classes of pipes of pipes for reticulation systems (ranging from 16 mm to 630 mm). Am 3(National), 2006-04-13 Am 6(National), 2013-03-15
SANS 966-2:2013		
(SABS 966-2)		
Components of pressure pipe system	is Part 2: Modified poly(vinyl chloride)	PVC-M) pressure pipe systems
Ed 1.07 A4 40p EN		Gr 10
		23.040.20; 23.040.45
Specifies requirements for modified poly formed from pipe made of PVC-M) that is in reticulation systems and for other app thicknesses based on a design stress ra together with post-formed fittings and be gas and hot-plate fusion techniques.	(vinyl chloride) (PVC-M) pipes (with integ are intended for above-ground and below ilications, in which continuous temperatur tting of 18 MPa for pipes of nominal outsi ends. Includes requirements for the comp	ral joints that incorporate rubber sealing rings) and fittings (post- ground pressure applications for the conveyance of potable water es in excess of 25 $^{\circ}$ C are not encountered. Gives minimum wall de diameter 50 mm to 630 mm. Covers six classes of pipe, onents of rubber joint rings. Does not cover fittings made by hot-
Am 1(National), 1999-09-09 Am 4(National), 2006-04-13 Am 7(National), 2013-03-15	Am 2(National), 2001-09-07 Am 5(National), 2008-12-12	Am 3(National), 2004-09-23 Am 6(National), 2010-04-30

SANS 967:2011 (SABS 967) Unplasticized poly(vinyl chloride) (PV	C-U) soil. waste and vent pipes and p	ipe fittings
Ed 2.04 A4 41p EN	- , . ,	Gr 11
PDF 41p EN		23.040.20: 23.040.45
Covers unplasticized poly(vinyl chloride) above-ground non-pressure applications in excess of 60 °C are not encountered. produced by fabrication only. Covers two	(PVC-U) pipes (including vent pipes) an for the conveyance of soil (human excre Covers fittings manufactured predomina methods of jointing.	d pipe fittings of nominal sizes 40 mm to 160 mm intended for ement or faeces) and waste water where continuous temperatures ntly by the injection-moulding process, but does not cover fittings
Am 1(National), 1999-11-26 Am 4(National), 2011-06-03	Am 2(National), 2003-02-07	Am 3(National), 2004-04-23
SANS 968:2011		
Conveyor belting - Textile reinforced	solid woven carcass construction	
Ed 1.00 A4 22p EN		Gr 9
FDF 22p EN		53.040; 53.040.20
Covers requirements for solid woven tex troughed idlers.	tile-reinforced conveyor belting including	all cover types, designed for use on conveyors with flat or
SANS 970:2010 / ISO 5397:1984 Leather - Determination of nitrogen co	ontent and "hide substance" - Titrimet	tric method
Ed 1.00 A4 6p EN		Gr 5
PDF 6p EN		59.140.30
Specifies a titrimetric method for the dete	ermination of the nitrogen content and of	f the "hide substance" of leather.
SANS 971:2003 (SABS 971)		
Fire-retardant textile-reinforced conve	vor belting (for use in fiery mines)	
Ed 3.00 A4 26p EN		Gr 9
PDF 26p EN		53.040.20; 73.100.40
Covers general requirements for fire-reta classified according to the minimum long	rdant textile-reinforced conveyor belting jitudinal full-thickness breaking strength	designed for use on flat or troughed idlers. The belting is of the finished belting in kilonewtons per metre (kN/m).
SANS 972-1:2005 (2012-11-09)		
(SABS 972-1)		
Signs for street and property identific	ation Part 1: Retro-reflective signs	• •
Ed 2.03 A4 27p EN		Gr 9
		93.080.30
Covers requirements for signs that are re Am 1(National), 2000-01-20	etro-reflective and that are used for the id Am 2(National), 2002-09-27	dentification of streets and properties. Am 3(National), 2005-04-22
SANS 972-2:2004 (2008-12-05)		
Signs for street and property identific	ation Part 2: Non-retro-reflective sign	e
Ed 2.03 A4.25n EN	ation 1 at 2. Non-relie -relie cuve sign	Gr 9
PDF 25p EN		93 080 30
Covers requirements for signs that are n	on-reflective and are used for the identif	ication of streets and properties.
Am (National), 2001-03-09	Am 2(National), 2002-09-27	Am 5(National), 2004-02-19
SANS 973:2010 Number plate carriers		
Ed 1 00 A4 9p EN		Gr 5
PDF 9p EN		03 220
Specifies the requirements for a number	plate carrier.	00.220
SANS 974-2:2007 (2012-06-29) (SABS 974-2)		
Bubber joint rings (non-cellular) Part	2: Joint rings for use in the dairy indu	strv
Ed 1.01 A4 12p EN		Gr 6
PDF 12p EN		23.040.80: 65.040.10
Covers the requirements for five classes	(based on hardness) of non-cellular vul	canized rubber joint rings for use in vessels and pipelines used for
Am 1(National). 2007-09-14		

the storage and conveyance of **Am 1(National), 2007-09-14**

SANS 974-3:2009		
Bubber joint rings (non-cellular) Part	3: Joint rings for use in pressure cook	ers
Ed 1.01 A4 10p EN		Gr 5
PDF 10p EN		21.140; 97.040.60
Covers the requirements for non-cellula Am 1(National), 2009-01-30	r vulcanized rubber joint rings for use in p	ressure cookers.
SANS 975:2010		
(SABS 975)		
Prestressed concrete pipes		
PDF 19p EN		23 040 50 91 100 30
Covers prestressed concrete non-cylind not cover the fittings for these pipes.	er pipes (and joints) intended primarily for	the conveyance of water and sewage under pressure, but does
Am 1(National), 1972-03-01 Am 4(National), 1981-03-04	Am 2(National), 1978-03-01 Am 5(National), 2010-01-15	Am 3(National), 1980-11-01
SANS 977:2003 (2008-08-22) (SABS 977)		
Textile tolerances		
Ed 2.00 A4 15p EN PDF 15p EN		Gr 7 17.040.10; 59.020
Covers tolerances for cotton hosiery yar yarns (worsted), hessian cloth, loomstat ropes, man-made fibre ropes, men's hal surgical dressings, tarpaulins, warp-knit and-rayon blends), woven elastomeric fa and-polyester blends, and woven woolle	n (combed and carded), cotton interlock p ie cotton duck, made-up articles (of wover lf hose and three-quarter hose, narrow fat ted piece goods, woven cotton and simila abrics, woven polypropylene tape fabrics, en piece goods) and yarns and twines.	biece goods, cotton sewing thread, footwear laces, hand-knitting n cotton and similar piece goods), manilla, sisal, coir, and cotton prics (elastic and non-elastic), polypropylene tape (on bobbins), r piece goods (e.g. polyester-and-cotton blends and polyester- woven worsted piece goods, and similar piece goods (e.g. wool-
SANS 981:2009		
High-pressure down-draught steam s	terilizers (autoclaves) (with independe	nt steam supply)
Ed 2.03 A4 14p EN		Gr 6
PDF 14p EN		11.080.10
Covers dimensional, constructional, and horizontal rectangular or cylindrical type Am 1(National), 1975-05-01	I safety requirements for high-pressure do for the sterilization of unwrapped instrum Am 2(National), 1977-06-01	wn-draught automatic steam sterilizers (autoclaves) of the ents and utensils in hospitals and other institutions. Am 3(National), 2009-06-12
SANS 982:2009 (SABS 982)		
High-pressure high-vacuum steam st	erilizers (autoclaves)	
Ed 3.01 A4 19p EN		Gr 8
PDF 19p EN		11.080.10
Covers functional and constructional red with an independent or a dedicated stea loads and, when so required (by special Am 1(National), 2009-09-23	quirements for automatic sterilizers (vacua m supply, for sterilizing unwrapped utens modification to the sterilizer), fluids.	Im and steam type) that may be used in hospitals, in conjunction ils, instruments, hollow ware, wrapped goods (packs), porous
SANS 984:2009 / IEEE 1584:2002 IEEE guide for performing arc-flash h	nazard calculations	
Ed 1.00 A4 122p EN PDF 122p EN		Gr 17 29.260.99
Provides techniques for designers and f employees could be exposed during the Am 1(International), 2009-12-11	acility operators to apply in determining their work on or near electrical equipment.	e arc-flash hazard distance and the incident energy to which
SANS 985:2008 (SABS 985)		
Polyester-and-wool uniform fabrics		
Ed 3.03 A4 11p EN PDF 11p EN		Gr 6 59.080.30; 61.020
Covers the requirements for seven type: Am 1(National), 2006-12-01	s of dyed polyester-and-wool fabric suitab Am 2(National), 2007-05-25	le for lightweight uniforms. Am 3(National), 2008-03-14

SANS 986:2012 (SABS 986)	
Precast reinforced concrete culverts	
Ed 3.02 A4 22p EN	Gr 8
PDF 22p EN	91.100.30; 93.080.20
Covers precast reinforced concrete culve water that is not under pressure.	rts of different strength classes according to the span of the culvert and intended primarily for conveying
Am 1(National), 2006-01-27	Am 2(National), 2012-03-30
SANS 990-1:2008	sharing enerotions Port 1. Outbound contact control enerotions
Ed 1 00 A4 48p EN	
PDF 48p EN	03 100 01
Specifies generic requirements for quality including captive operations relating to ou operation needs to demonstrate the abilit continuously and proactively satisfy client requirements, and strives continuously to through the effective application of this st performance metrics are required.	operational practices in the business process outsourcing and offshoring sector (the BPO&O sector), itbound contact centre operations, in any sector of industry, regardless of type and size, where any such y to provide clients and customers with products or services (or both) of consistent quality that is and customers, needs to demonstrate that it complies with applicable legal and regulatory enhance client (for outsourced services), organizational (for captive services) and customer satisfaction andard and the continual improvement of operational practices. Also specifies when systems'
SANS 990-2:2008	
Business process outsourcing and off	shoring operations Part 2: Inbound contact centre operations
Ed 1.00 A4 52p EN PDE 52p EN	Gr 12
Specifies generic requirements for quality including captive operations relating to in operation needs to demonstrate the abilit continuously and proactively satisfy client requirements, and strives continuously to through the effective application of this st metrics are required.	operational practices in the business process outsourcing and offshoring sector (the "BPO&O sector"), pound contact centre operations, in any sector of industry, regardless of type and size, where any such y to provide clients and customers with products or services (or both) of consistent quality that is and customers, needs to demonstrate that it complies with applicable legal and regulatory enhance client (for outsourced services), organizational (for captive services) and customer satisfaction andard and the continual improvement of operational practices. Specifies when systems' performance
SANS 990-3:2008	
Business process outsourcing and off	shoring operations Part 3: Back-office processing operations
Ed 1.00 A4 44p EN	Gr 11
PDF 44p EN	03.080.30; 03.100.01
Specifies generic requirements for quality including captive operations relating to be operation needs to demonstrate the abilit continuously and proactively satisfy client requirements, and strives continuously to through the effective application of this re- performance metrics are required.	operational practices in the business process outsourcing and offshoring sector (the "BPO&O sector"), tack-office processing operations, in any sector of industry, regardless of type and size, where any such y to provide clients and customers with products or services (or both) of consistent quality that as and customers, needs to demonstrate that it complies with applicable legal and regulatory enhance client (for outsourced services), organizational (for captive services) and customer satisfaction commended practice and the continual improvement of operational practices. Specifies when systems'
SANS 991:2010	
(SABS 991)	
Aluminium and aluminium alloy sand (castings and gravity die castings
Ed 2.03 A4 19p EN	Gr 8

Specifies the characteristics of sand castings and gravity die castings of aluminium and aluminium alloys. Am 1(National), 1997-11-17 Am 2(National), 2008-07-25 Am 3(National), 2010-11-12

SANS 992:2008 (SABS 992) Aluminium and aluminium alloy pressure die castings Ed 2.02 A4 12p EN Gr 6 PDF 12p EN 77.120.10 Specifies the characteristics of pressure die castings of aluminium and aluminium alloys.

Am 1(National), 1997-11-17 Am 2(National), 2008-07-18

SANS 993:2010 (SABS 993) Modular co-ordination in building

PDF 19p EN

Ed 1.01 A4 38p EN Gr 10 PDF 38p EN 17.040.10; 91.200

Covers the selection of dimensions for buildings, building components, and building equipment so that a general concordance is obtained between all their co-ordinating dimensions and so that components may be used together on the building site without modification. Am 1(National), 2010-08-20

> Standards South Africa Catalogue 2013 NUM - 106

Gr 8 77.120.10

SANS 994-1:2011 Batita forming Bart 1: Optriches		
Ratite farming Part 1: Ostricnes		
PDF 29p EN		GI 9 65 020: 65 020 30
Provides the minimum requirements for the ho	olding and farming of ostriches for co	mmercial production.
SANS 994-2:2012 Ratite farming Part 2: Emu		
Ed 1.00 A4 22p EN		Gr 8
PDF 22p EN		65.020; 65.020.30
Provides the minimum requirements for the conservation, social acceptability	ommercial production of emu to ensu ity, economic growth and optimum pr	re sustainable farming practices that incorporate animal welfare, roduction.
SANS 995:1990 (2001-01-23) (SABS 995)		
Chamois leathers		
Ed 2.00 A4 9p EN		Gr 7
		59.140.30
Covers 2 types made from the flesh split of sh	neepskins that have been tanned with	n fish oil and that may have been given an aldehyde pretannage.
SANS 996:2008		
Car radio receivers		
Ed 3.01 A4 36p EN		Gr 10
PDF 36p EN		33.160.20; 43.040.15
Specifies the minimum electrical and related r broadcast transmissions, including stereophor high frequency and very high frequency bands Am 1(National), 2008-04-11	requirements that are essential for the nic transmissions and radio data serv s, by radio receivers designed for use	e successful reception (under normal conditions) of sound vices where applicable, in the recognized medium frequency, a in motor vehicles.
SANS 997-4:2011 / ISO 6185-4:2011		
Inflatable boats - Part 4: Boats with a hull h	ength of between 8 m and 24 m wi	th a motor power rating of 15 kW and greater
PDF 38p EN		47.080
Specifies the minimum safety characteristics i length of between 8 m and 24 m and with a m	required for the design, materials, materials, materials, materials, materials, materials, materials, materials	anufacture and testing of rigid inflatable boats (RIBs) with a hull ter.
SANS 998:2010		
(SABS 998) Steinlage steelwere for demostic and gape		
Ed 1.03 A4 11p EN		Gr 6
PDF 11p EN		97.040.60
Covers material and constructional requireme incorporates components made of copper, wo	nts for domestic stainless steelware ood, plastic, aluminium or ceramic ma	(other than cutlery and sanitary fittings) including steelware that aterials.
Am 1(National), 1992-05-01 Am 2	2(National), 2006-11-17	Am 3(National), 2010-07-02
SANS 999:2007 (SABS 999) Anodized coatings on aluminium (for archi	itectural applications)	
Ed 3.01 A4 17p EN		Gr 7
PDF 17p EN		25.220.20; 77.120.10
Covers three grades of anodized coating that and that are commonly used for architectural a Am 1(National), 2007-02-09	are used to impart protective, decora applications.	tive or functional properties to the surfaces of aluminium alloys
SANS 1001:2004 (2009-12-11) (SABS 1001)		
Semi-vitreous crockery (domestic ware)		
Ed 1.03 A4 13p EN PDF 13p EN		Gr 6 81.060.20; 97.040.60
Covers semi-vitreous crockery suitable for dor Am 1(National), 1982-05-01 Am 2	mestic use. 2(National), 2000-12-08	Am 3(National), 2004-08-20

SANS 1002:2006 (2012-04-13) (SABS 1002) Semi-vitreous crockery (hotel ware)		
PDF 14p EN		81.060.20; 97.040.60
Covers semi-vitreous crockery suitable f Err 1(National), 1974-05-01 Am 3(National), 2006-12-08	or use in hotels, hospitals, and other publ Am 1(National), 1982-05-01	ic institutions. Am 2(National), 2000-12-08
SANS 1003:2006 (2012-04-13) (SABS 1003)		
Fine china and vitrified tableware for Ed 2.01 A4 15p EN PDF 15p EN	domestic use	Gr 7 81 060 20: 97 040 60
Covers the requirements for fine china a Am 1(National), 2006-10-27	nd vitrified tableware for domestic use.	
SANS 1004:2006 (2012-04-13) (SABS 1004)		
Fine china and vitrified tableware for	non-domestic use	
Ed 2.01 A4 15p EN PDF 15p EN		Gr 7 81.060.20; 97.040.60
Covers the requirements for fine china a Am 1(National), 2006-12-08	nd vitrified tableware, suitable for use in r	estaurants, hotels, hospitals and other public institutions.
SANS 1005:2009 (SABS 1005)		
Innerspring mattresses		
Ed 2.05 A4 19p EN PDF 19p EN		Gr 8 97 140
Covers the dimensional and construction class 2 for domestic use	nal requirements for innerspring mattresse	es of two classes, class 1 being intended for institutional use and
Am 1(National), 1988-03-01 Am 4(National), 1996-03-25	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03	Am 3(National), 1993-05-01
Am 1(National), 1988-03-01 Am 4(National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006)	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03	Am 3(National), 1993-05-01
Am 1(National), 1988-03-01 Am 4(National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03	Am 3(National), 1993-05-01
Am 1(National), 1988-03-01 Am 4(National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03	Am 3(National), 1993-05-01 Gr 5 23.060.20
Am 1 (National), 1988-03-01 Am 4 (National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN Covers two types of non-metallic floats in Am 1(National), 1976-05-01	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03 ntended for use with ball-valves specified Am 2(National), 2007-11-30	Am 3(National), 1993-05-01 Gr 5 23.060.20 in SANS 752.
Am 1(National), 1988-03-01 Am 4(National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN Covers two types of non-metallic floats in Am 1(National), 1976-05-01 SANS 1007:2010 Reciprocating internal-combustion er	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03 ntended for use with ball-valves specified Am 2(National), 2007-11-30	Am 3(National), 1993-05-01 Gr 5 23.060.20 in SANS 752. wer generating sets
Am 1(National), 1988-03-01 Am 4(National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN Covers two types of non-metallic floats in Am 1(National), 1976-05-01 SANS 1007:2010 Reciprocating internal-combustion er Ed 1.00 A4 24p EN	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03 ntended for use with ball-valves specified Am 2(National), 2007-11-30	Am 3(National), 1993-05-01 Gr 5 23.060.20 in SANS 752. wer generating sets Gr 9
Am 1(National), 1988-03-01 Am 4(National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN Covers two types of non-metallic floats in Am 1(National), 1976-05-01 SANS 1007:2010 Reciprocating internal-combustion er Ed 1.00 A4 24p EN PDF 24p EN Defines requirements, minimum perform	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03 Intended for use with ball-valves specified Am 2(National), 2007-11-30 Ingine-driven alternating-current low port	Am 3(National), 1993-05-01 Gr 5 23.060.20 in SANS 752. wer generating sets Gr 9 29.160.40 ting sets driven by reciprocating internal-combustion engines for
Am 1(National), 1988-03-01 Am 4(National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN Covers two types of non-metallic floats in Am 1(National), 1976-05-01 SANS 1007:2010 Reciprocating internal-combustion er Ed 1.00 A4 24p EN PDF 24p EN Defines requirements, minimum perform domestic, recreational and industrial app SANS 1008:2007	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03	Am 3(National), 1993-05-01 Gr 5 23.060.20 in SANS 752. wer generating sets Gr 9 29.160.40 ting sets driven by reciprocating internal-combustion engines for
Am 1 (National), 1988-03-01 Am 4 (National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN Covers two types of non-metallic floats in Am 1 (National), 1976-05-01 SANS 1007:2010 Reciprocating internal-combustion er Ed 1.00 A4 24p EN PDF 24p EN PDF 24p EN Defines requirements, minimum perform domestic, recreational and industrial app SANS 1008:2007 (SABS 1008) Warn-knitted pocketing	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03	Am 3(National), 1993-05-01 Gr 5 23.060.20 in SANS 752. wer generating sets Gr 9 29.160.40 ting sets driven by reciprocating internal-combustion engines for
Am 1(National), 1988-03-01 Am 4(National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN Covers two types of non-metallic floats in Am 1(National), 1976-05-01 SANS 1007:2010 Reciprocating internal-combustion er Ed 1.00 A4 24p EN PDF 24p EN PDF 24p EN Defines requirements, minimum perform domestic, recreational and industrial app SANS 1008:2007 (SABS 1008) Warp-knitted pocketing Ed 2.01 A4 10p EN	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03	Am 3(National), 1993-05-01 Gr 5 23.060.20 in SANS 752. wer generating sets Gr 9 29.160.40 ting sets driven by reciprocating internal-combustion engines for Gr 5
Am 1 (National), 1988-03-01 Am 4 (National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN Covers two types of non-metallic floats in Am 1 (National), 1976-05-01 SANS 1007:2010 Reciprocating internal-combustion en Ed 1.00 A4 24p EN PDF 24p EN Defines requirements, minimum perform domestic, recreational and industrial app SANS 1008:2007 (SABS 1008) Warp-knitted pocketing Ed 2.01 A4 10p EN PDF 10p EN	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03	Am 3(National), 1993-05-01 Gr 5 23.060.20 in SANS 752. wer generating sets Gr 9 29.160.40 ting sets driven by reciprocating internal-combustion engines for Gr 5 59.080.30
Am 1 (National), 1988-03-01 Am 4 (National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN Covers two types of non-metallic floats in Am 1 (National), 1976-05-01 SANS 1007:2010 Reciprocating internal-combustion er Ed 1.00 A4 24p EN PDF 24p EN Defines requirements, minimum perform domestic, recreational and industrial app SANS 1008:2007 (SABS 1008) Warp-knitted pocketing Ed 2.01 A4 10p EN PDF 10p EN Covers general requirements and require colour, colour fastness to washing, persp pocketing made from polyamide or polyamid	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03	Am 3(National), 1993-05-01 Gr 5 23.060.20 in SANS 752. wer generating sets Gr 9 29.160.40 ting sets driven by reciprocating internal-combustion engines for Gr 5 59.080.30 per square metre, width, piece length, dimensional stability, s, and packing and marking of two types of warp-knitted
Am 1 (National), 1988-03-01 Am 4 (National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN Covers two types of non-metallic floats in Am 1 (National), 1976-05-01 SANS 1007:2010 Reciprocating internal-combustion er Ed 1.00 A4 24p EN PDF 24p EN Defines requirements, minimum perform domestic, recreational and industrial app SANS 1008:2007 (SABS 1008) Warp-knitted pocketing Ed 2.01 A4 10p EN PDF 10p EN Covers general requirements and require colour, colour fastness to washing, persp pocketing made from polyamide or polye Am 1(National), 2007-05-25 SANS 1010:2007 (2013-01-18) (SABS 1010)	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03	Am 3(National), 1993-05-01 Gr 5 23.060.20 in SANS 752. Wer generating sets Gr 9 29.160.40 ting sets driven by reciprocating internal-combustion engines for Gr 5 59.080.30 per square metre, width, piece length, dimensional stability, s, and packing and marking of two types of warp-knitted
Am 1 (National), 1988-03-01 Am 4 (National), 1996-03-25 SANS 1006:2007 (2012-09-28) (SABS 1006) Plastic floats for ball valves Ed 1.02 A4 10p EN PDF 10p EN Covers two types of non-metallic floats in Am 1 (National), 1976-05-01 SANS 1007:2010 Reciprocating internal-combustion er Ed 1.00 A4 24p EN PDF 24p EN Defines requirements, minimum perform domestic, recreational and industrial app SANS 1008:2007 (SABS 1008) Warp-knitted pocketing Ed 2.01 A4 10p EN PDF 10p EN Covers general requirements and require colour, colour fastness to washing, persp pocketing made from polyamide or polye Am 1 (National), 2007-05-25 SANS 1010:2007 (2013-01-18) (SABS 1010) Bunting Ed 3.01 A4 10p EN	Am 2(National), 1992-05-01 Am 5(National), 2009-04-03	Am 3(National), 1993-05-01 Gr 5 23.060.20 in SANS 752. Wer generating sets Gr 9 29.160.40 ting sets driven by reciprocating internal-combustion engines for Gr 5 59.080.30 per square metre, width, piece length, dimensional stability, s, and packing and marking of two types of warp-knitted

Covers requirements for two types of fabric suitable for use in the decoration of government and civic buildings and in the manufacture of flags. Am 1(National), 2007-06-08

03.160; 59.080.30

SANS 1012:2006 (2011-12-01) (SABS 1012) Electric light dimmers (Metric units)		
Ed 1.03 A4 19p EN PDF 19p EN		Gr 8 29.120.40
Covers the requirements for electric light exceeding 250 V r.m.s. to earth, and rate Am 1(National), 1997-04-07	dimmers for incandescent lamps suitable ed at not more than 3 kW. Does not cover Am 2(National), 1998-03-16	e for domestic use, intended for operation at voltages not dimmers for fluorescent lights. Am 3(National), 2006-02-03
SANS 1014:1985 / ISO 1014:1985 (2013 (SABS ISO 1014)	3-02-08)	
Coke - Determination of true relative d Ed 1.00 A4 6p EN PDF 6p EN	ensity, apparent relative density and p	orosity Gr 5 75 160 10
Specifies methods of determining the tru density of coke, i.e. the ratio of the mass coke.	e relative density of coke, crushed to 212 of a volume of dry coke to the mass of a	$\mu m,$ in relation to water; determining the apparent relative an equal volume of water and of calculating the porosity of the
Am 1(National), 2007-09-21		
SANS 1015:2008 (SABS 1015) Fire resisting door units for record roo	oms	
Ed 1.02 A4 10p EN PDF 10p EN		Gr 5 13.220.20; 91.060.50
Covers the material, constructional and p paint finishes and nickel and chrome coa resistance are included.	performance requirements for door units in the times are laid down. Tests for the finishes	ntended for use in fire resisting record rooms. Requirements for and coatings and for locks, boltwork, doors, door hinges and fire
Am 1(National), 1976-05-01	Am 2(National), 2008-05-30	
SANS 1017:2008 (SABS 1017) Electric cables for motor vehicles - Lo Ed 1.04 A4 29p EN PDE 29p EN	w-voltage cables and flexible earthing	straps for motor vehicles Gr 9
Covers general purpose motor vehicle wi	ring cables, battery and starter cables, ar	29.060.20; 43.040.10 nd cables for intervehicle connection, for use at voltages not
Am 1(National), 1984-03-01 Am 4(National), 2008-06-27	Am 2(National), 1990-07-01	Am 3(National), 2002-01-25
SANS 1018:2007 (SABS 1018)		
Electric cables for motor vehicles - Igr	nition cables for motor vehicles	
Ed 1.03 A4 35p EN PDF 35p EN		Gr 10 29 060 20: 43 040 10
Covers the material, constructional, elect cables for use in motor vehicles. Copper Am 1(National), 1990-07-01	rical and physical requirements for rubbe r conductor and high-resistance carbon co Am 2(National), 2001-11-30	r and polyvinyl chloride (PVC)-insulated high voltage ignition onductor types are covered. Am 3(National), 2007-12-14
SANS 1019:2008 (SABS 1019) Standard voltages, currents and insult	ation levels for electricity supply	
Ed 2.05 A4 21p EN		Gr 8
PDF 21p EN		29.020
Covers standard voltages and currents for systems) having a nominal frequency of 60059. Also covers standard phase-to-ea Am 1(National), 1992-05-01 Am 4(National), 2001-11-30	or use in a.c. transmission, distribution an 50 Hz and a nominal voltage exceeding 1 arth insulation levels applicabe to equipme Am 2(National), 1993-11-01 Am 5(National), 2008-09-05	d reticulation systems (and in equipment for use in such 00 V, based on the standard values given in IEC 60038 and IEC ent for use in such systems at an altitude not exceeding 1 800 m. Am 3(National), 1997-04-14
SANS 1020:2003 (2009-03-27) (SABS 1020)		
Power-operated dispensing devices for	or flammable liquid fuels	6 //
Ed 2.00 A4 38p EN PDF 38p EN		Gr 11 29.100.01; 75.200

Covers the basic requirements for the components of free-standing power-operated dispensing and metering pump devices for flammable liquid fuels.

NUMERICAL LIST OF STANDARDS SANS 1021:2007 (2009-12-11) Water taps (plastic bodies) Ed 3.01 A4 21p EN Gr 8 PDF 21p EN 91.140.70 Covers requirements for four classes of screw-down and non-screw-down water taps and stopcocks with plastic bodies that are suitable for use indoors at pressures not exceeding 1 600 kPa and at temperatures not exceeding 75 °C. Am 1(National), 2007-06-29 SANS 1022:2009

Gr 7

77.140.50; 77.150.10; 91.060.20

(SABS 1022) Metal roofing tiles Ed 2.01 A4 15p EN

(SABS 1021)

PDF 15p EN

Covers the requirements for metal roofing tiles (coated or uncoated) supplied in the form of carbon steel sheets, aluminium alloy sheets or stainless steel sheets (each comprising a series of simulated tile units), and for trim sections (of the same materials) designed for use in conjunction with tile units of the same material and of appropriate profile.

Am 1(National), 2009-04-24

SANS 1024:2012 (SABS 1024)		
Welded steel fabric for reinforcement	it of concrete	
Ed 2.02 A4 10p EN		Gr 5
PDF 10p EN		77.140.15; 77.140.50; 91.080.40
Specifies the characteristics of steel fa as a form of reinforcement for concrete Am 1(National) 2006-03-03	bric of hard-drawn steel wire, consistir	ng of longitudinal and cross wires welded together and intended for use
SANS 1026:2011		
(SABS 1026)		
Bench vices for metal work (Metric u	inits)	
Ed 1.04 A4 9p EN		Gr 5
PDF 9p EN		25.060.20
Covers the material, dimensional, and	constructional requirements for metal	workers' bench vices.
Am 1(National), 1976-03-01 Am 4(National), 2011-05-06	Am 2(National), 1978-03-01	Am 3(National), 2008-06-13
SANS 1027:2011		
(SABS 1027)		
Woodworkers' vices		
Ed 1.02 A4 8p EN		Gr 5
PDF 8p EN		79.120.99
Covers 2 sizes of woodworkers' vices a Am 1(National), 2008-06-13	and lays down material, dimensional, o Am 2(National), 2011-09-30	constructional, performance and marking requirements.
SANS 1028:2008		
Bing wronghos (Matria units)		
		C* E
PDF 10p EN		
		25.140.30
Covers the material, constructional, finit nominal sizes in the range 200-1200 m	sh and performance requirements for m.	adjustable pipe wrenches of the heavy duty and Stillson types of
Am 1(National), 2008-06-20		
SANS 1029:2010 / NRS 004:2010 (SABS 1029)		
Miniature substations for rated a.c. v	oltages up to and including 24 kV	

Ed 3.00 A4 54p EN Gr 12 PDF 54p EN 29.240.10

Covers the construction, quality, technical and safety requirements for non-walk-in ground-level mounted three-phase medium-voltage and lowvoltage pre-fabricated miniature substations suitable for use in areas accessible to the public, for power ratings up to 1 000 kVA and on systems with a nominal voltage up to 22 kV.

SANS 1032:2013 (SABS 1032) Detergent-disinfectants based on stal	bilized inorganic chlorine compounds	
Ed 3.01 A4 22p EN PDF 22p EN		Gr 8 71.100.35
Specifies requirements for two types of as compatible surface-active agents and detergent-disinfectants based on stabiliz Am 1(National), 2013-03-15	detergent-disinfectants based on stabilize I phosphates), that are miscible with wate red inorganic chlorine compounds for gen	d inorganic chlorine compounds and other chemical agents (such r and intended for use on inanimate surfaces. Evaluates eral use.
SANS 1033:2003 (2009-08-07) (SABS 1033)		
Solid filler wire for the submerged are Ed 1.03 A4 8p EN PDF 8p EN	c welding of mild steel and medium hig	h tensile steel (metric units) Gr 6 25.160.20
Covers 6 grades of solid filler wires support	blied in coils. Specifies requirements for the	ne chemical composition, the diameter of the wire and the method
Err 1(National), 1975-08-01 Am 3(National), 2003-03-07	Am 1(National), 1981-05-01	Am 2(National), 1982-08-01
SANS 1034:2012 (SABS 1034)		
Ed 1.02 A4 21p EN PDE 21p EN		Gr 8
Covers 5 grades of grey iron castings, the strength by conventional means the use other characteristics of grey cast iron.	ne grading being based upon mechanical of wedge penetration test is permitted. A	properties. As an alternative to the determination of tensile ppendices give explanatory data and physical properties and
Err 1(National), 1975-05-01	Am 1(National), 2008-07-04	Am 2(National), 2012-02-24
SANS 1036:2012 / ISO 36:2005 Rubber, vulcanized or thermoplastic Ed 2.00 A4 9p EN PDF 9p EN	- Determination of adhesion to textile fa	abrics Gr 5 83.060
Specifies a method of test for measuring fabric ply bonded together.	g the force required to separate, by strippi	ng, two plies of fabric bonded with rubber, or a rubber layer and a
SANS 1037:2011 (SABS 1037)		
Standard transformer bushings Ed 1.04 A4 29p EN		Gr 9
PDF 29p EN		29.080.20
Covers insulated bushings for use on tra The bushings are designed for use with pressure.	ansformers in which the hollow insulators one or both ends immersed in an insulati	of the bushings provide the major insulation to voltage stresses. ng medium (such as oil) or in air at the prevailing atmospheric
Am 1(National), 1988-03-01 Am 4(National), 2011-08-15	Am 2(National), 2001-11-30	Am 3(National), 2008-09-05
SANS 1038:2007 (SABS 1038)		
Cotton eyelet fabric		
Ed 2.01 A4 12p EN PDF 12p EN		Gr 6 59.080.30
Covers cotton eyelet fabric suitable for u stitch length, fabric and roll mass, width, stringing of and allowance for defects. Am 1(National), 2007-05-25	ise in the manufacture of underwear and a colour, colour fastness to light, washing a	certain forms of outerwear. Lays down requirements for structure, and perspiration, dimensional change on laundering, defects, and
SANS 1039:2008 (SABS 1039)		
Wooden ceiling and panelling boards	1	0.0
Ea 1.03 A4 20p EN PDF 20p EN		Gr 8 79.080; 91.060.30
Covers three grades of profiled boards (ceilings or panelling.	planed or planed and sanded) manufactu	red from hardwood or softwood timber and intended for use in
Am 1(National), 1987-11-01	Am 2(National), 1991-05-01	Am 3(National), 2008-06-20

Standards South Africa Catalogue 2013 NUM - 111

	Gr 6 27.060.30; 97.040.60
ional and safety requirements for press 2(National), 2004-06-04	sure cookers for domestic use, that operate at working gauge
vice	C 4
	29.140.30
de fluorescent lamps for general lightin	g service, for operation with or without starters, at room
	Gr 7
	83.140.99; 91.060.30
based polymer floor dressing that is sui d sealed flooring.	table for use on thermoplastic (asphalt), semiflexible vinyl (vinyl-
e 2(National), 1978-03-01 e 5(National), 2006-12-08	Am 3(National), 1985-02-01 Am 6(National), 2012-11-30
	Gr 8
requirements for four types of sanitary	59.080.30
	Gr 6
	71.100.40
low-foam industrial laundry detergent in es made of cotton or of cotton-and-syn a 2(National), 2012-11-30	ntended for use in industrial laundering machines for the the the tibre yarns.
nalling devices installed on motor ve	ehicles and trailers
	Gr 12
OD; 83/276/EEC:1983, MOD; 89/278/E	43.040.20 EEC:1989, MOD; 76/756/EEC:1976, MOD; 80/233/EEC:1980,
alled on a Category M, N or O vehicle,	with or without bodywork, with a maximum speed exceeding 25
r fittings (passenger cars) (Incorpor e 78/632, with modifications)	ating EEC Directive 74/60 "Interior fittings of motor
	Gr 9
	43.040.60; 43.040.80
ble to the interior fittings (other than ste the event of head-on collisions. a 2(National), 2006-11-24	ering controls and rear-view mirrors) of passenger cars with a
	ional and safety requirements for pres 2(National), 2004-06-04 vice e fluorescent lamps for general lightin ased polymer floor dressing that is suid 3 sealed flooring. 2(National), 1978-03-01 5(National), 2006-12-08 equirements for four types of sanitary ow-foam industrial laundry detergent i as made of cotton or of cotton-and-syn 2(National), 2012-11-30 malling devices installed on motor vo DD; 83/276/EEC:1983, MOD; 89/278/E led on a Category M, N or O vehicle, r fittings (passenger cars) (Incorpor a 78/632, with modifications) IOD le to the interior fittings (other than ster he event of head-on collisions. 2(National), 2006-11-24

NUMERICAL LIST OF STANDARDS SANS 1049:2011 / ISO 5402:2002 Leather - Physical and mechanical tests - Determination of flex resistance by flexometer method Ed 1.00 A4 10p EN Gr 6 PDF 10p EN 59.140.20 Specifies a method for determining the wet or dry flex resistance of leather and finishes applied to leather. It is applicable to all types of leather below 3,0 mm in thickness. SANS 1051-1:2006 (SABS SV 1051-1) **Braking Part 1: General** Ed 2.01 A4 21p EN Gr 8 PDF 21p EN 43.040.40 ECE R13:1980, MOD Covers the requirements for and the performance of the braking devices of motor vehicles and their trailers (including semi-trailers) designed for use on the roads, that have a maximum design speed exceeding 25 km/h and that fall into any of the categories defined. Does not cover the braking devices of any vehicle propelled by electric power derived from batteries and that is pedestrian controlled, or any vehicle of mass not more than 230 kg specially designed and constructed, i.e. not merely adapted, for the use of any person suffering from some physical defect or disability and used solely by such person, or agricultural tractors and machinery, and any vehicle that runs on rails. Am 1(National), 2006-05-19 SANS 1051-2:2006 (SABS SV 1051-2) Braking Part 2: Response time of braking devices on vehicles fitted with compressed-air braking devices Ed 2.01 A4 6p EN Gr 4 PDF 6p EN 43.040.40 ECE R13:1980, MOD Covers the requirements for the response times of compressed-air braking devices on vehicles of categories M, N and O that have a maximum design speed exceeding 25 km/h. Am 1(National), 2006-05-19 SANS 1051-3:2006 (SABS SV 1051-3) Braking Part 3: Energy sources and reservoirs Ed 2.01 A4 9p EN Gr 5 PDF 9p EN 43.040.40 ECE R13:1980, MOD Covers the requirements for energy sources and energy reservoirs for compressed-air brakes and vacuum brakes on vehicles of categories M, N and O that have a maximum design speed exceeding 25 km/h. Am 1(National), 2006-05-19 SANS 1051-4:2006 (SABS SV 1051-4) **Braking Part 4: Spring brakes** Ed 2.01 A4 6p EN Gr 4 PDF 6p EN 43.040.40 ECE R13:1980, MOD Covers the requirements for spring brakes on vehicles of categories M, N and O that have a maximum design speed exceeding 25 km/h. Am 1(National), 2006-05-19 SANS 1051-5:2006 (SABS SV 1051-5) Braking Part 5: Parking brakes: Mechanically locked brake cylinder (lock actuator) type Ed 2.01 A4 6p EN Gr 4 PDF 6p EN 43.040.40 ECE R13:1980, MOD Specifies the requirements for a type of parking brake known as a mechanically locked brake cylinder (lock actuator) type parking brake. Am 1(National), 2006-05-19 SANS 1051-6:2006 (SABS SV 1051-6) Braking Part 6: Distribution of braking effort and compatibility of vehicles in combination Ed 1.01 A4 17p EN Gr 7 PDF 17p EN 43.040.40 ECE R13:1980, MOD Specifies the requirements necessary for the safe braking performance, particularly on road surfaces that have reduced adhesion, of vehicles of categories M, N and O3, and O4 that are not equipped with an anti-lock device.

Am 1(National), 2006-05-19

SANS 1055:2007 (2012-10-05) (SABS 1055)		
PDF 7p EN		43.040.60
Covers requirements for rear underrun p (GVM) exceeding 3 500 kg and intended trailers for the transport of logs or other v vehicles that run on rails, vehicles specif bodywork fitted or to a dealer of such ve Am 1(National), 2007-01-26	orotection devices and their installation on I for use on public roads, except for truck to very long items, vehicles for which rear un fied in the relevant national regulation, and hicles.	category M, N and O vehicles having a gross vehicle mass tractors for drawing semi-trailers, slung trailers and other similar derrun protection devices are incompatible with their use, d chassis vehicles without bodies being driven to a place to have
SANS 1056-1:2008 (SABS 1056-1)		
Ballvalves Part 1: Fire-safe valves		
Ed 1.03 A4 21p EN		Gr 8
PDF 21p EN		23.060.20
Covers the requirements for ballvalves of Am 1(National) . 1987-06-01	of nominal sizes 8-400 mm and of seven c Am 2(National), 1990-02-01	lasses, intended for use as fire-safe valves. Am 3(National), 2008-04-04
SANS 1056-2:2012 (SABS 1056-2) Ball valves Part 2: Heavy duty valves Ed 2.02 A4 22p EN PDF 22p EN	(not fire-safe)	Gr 8 23 060 20
Covers the requirements for heavy duty	hall values of nominal sizes 8 mm to 400	mm and working pressures of 2 MPa 5 Mpa and 10 Mpa at
working temperatures of up to 50 degree	Am 2(National) 2012-06-22	inini and working pressures of 2 wir a, 5 mpa and 10 mpa at
Ain I(National), 2000-10-20	Am 2(National), 2012-00-22	
SANS 1056-3:2012 (SABS 1056-3) Ball valves Part 3: Light duty valves (n Ed 2.03 A4 21p EN PDF 21p EN	not fire-safe)	Gr 8
		23.060.20
mm to 100 mm and intended for general	es of light duty metallic ball valves (based I use.	on the cold working pressure of the valves) of nominal sizes 8
Am 1(National), 2006-10-20	Am 2(National), 2009-05-15	Am 3(National), 2012-06-22
SANS 1058:2012 (SABS 1058) Concrete paving blocks Ed 2.01 A4 17p EN PDE 17p EN		Gr 7
Covers blocks made from concrete, which	ch are used for the construction of paved	91.100.30; 93.080.20 surfaces.
Am 1(National), 2012-02-03		
SANS 1060:2012 (SABS 1060) Wheelchairs (folding type)		
Ed 2.00 A4 19p EN PDF 19p EN		Gr 8 11.140; 11.180.10
Covers five sizes of folding wheelchairs	intended for use by paraplegics, quadriple	gics and other incapacitated persons.
SANS 1062:2010 (SABS 1062)		
Pressure and vacuum gauges		
Ed 1.01 A4 23p EN PDF 23p EN		Gr 9 17.100

Covers circular analogue pressure gauges, vacuum gauges, and combined vacuum and pressure gauges (compound gauges) of nominal diameter in the range 40mm - 300mm and that operate in the range 100 kPa below atmospheric pressure to 250 MPa above atmospheric pressure. The gauges covered are suitable for industrial and marine use with fluids such as air, water, oil and steam, but provision is also made for gauges for use with other fluids. It does not cover test gauges, gauges having dials with application bands only and gauges that do not use an elastic element to sense pressure.

Am 1(National), 2010-02-12

SANS 1063:2011 (SABS 1063) Earth rods, couplers and connections Ed 3.01 A4 17p EN	Gr 7
Specifies requirements for metallic earth rods, couplers and connections intended holes as part of an earthing system. Covers copper rods, steel-cored copper rods, galvanized steel rods. Am 1(National), 2011-03-31	29.120.50 to be driven direct into the ground or installed into predrilled copper-electroplated steel rods, stainless steel rods and
SANS 1066:2010 / BS 5979:2007 Remote centres receiving signals from fire and security systems - Code of pr	ractice
Ed 1.00 A4 40p EN PDF 40p EN	Gr 11 13.320
Gives recommendations for the planning, construction and facilities of manned and receiving centres (ARCs) receiving signals from security systems. Cor 1(International), 2010-11-26	d unmanned remote centres, and for the operation of alarm
SANS 1067-1:2005 (2012-04-13) (SABS 1067-1) Copper-based fittings for copper tubes Part 1: Compression fittings	
Ed 2.01 A4 17p EN PDF 17p EN	Gr 7
Covers requirements for two types of copper-based compression fitting for use with Am 1(National), 2005-07-08	h copper tubes that comply with the requirements of SANS 460.
SANS 1067-2:2005 (2012-04-13) (SABS 1067-2)	
Ed 2.01 A4 17p EN	Gr 7
PDF 17p EN	23.040.40; 77.150.30
Covers requirements for copper-based capillary solder fittings suitable for use with and at supply pressures not exceeding 2 000 kPa and temperatures not exceeding Am 1(National), 2005-08-12	copper tubes that comply with the requirements of SANS 460 110 ℃.
SANS 1071:2005 / ISO 1071:2003 (2010-06-04) (SABS ISO 1071) Welding consumables - Covered electrodes, wires, rods and tubular cored electrodes	ectrodes for fusion welding of cast iron - Classification
Ed 2.00 A4 21p EN PDF 21p EN	Gr 9 25.160.20
Specifies requirements for classification of covered electrodes for manual metal ar electrodes for metal arc welding with and without a gas shield, rods for TIG-welding	c welding, wire electrodes for metal arc welding, tubular cored g and rods for oxyfuel gas welding of unalloyed cast irons.
SANS 1072:2010 / ISO 10211:2007 Thermal bridges in building construction - Heat flows and surface temperatu	res - Detailed calculations
Ed 1.00 A4 52p EN PDF 52p EN	Gr 13 91 120 10
Specifies the specification for a three-dimensional and a two-dimensional geometr	ical model of a thermal bridge for the numerical calculation.
SANS 1073:2010 / ISO 923:2000 Coal cleaning equipment - Performance evaluation	
Ed 1.00 A4 37p EN PDE 37p EN	Gr 11
Describes the principles and methods for evaluating the performance of equipmen	t used for cleaning operations.
SANS 1077:2009 (2009-08-14) (SABS 1077)	
Ed 1.02 A4 15p EN	Gr 7
Covers requirements for two types (see 3.1) of two-component, cold-applied, poly	91.100.50
caulking and glazing applications in buildings and similar structures. Am 1(National), 1990-08-01 Am 2(National), 2009-04-24	inemane-base sealing compound, that are suitable for sealing,

SANS 1080:2002 (SABS 1080)		
Restraining devices (safety belts) for	occupants of adult build in motor ve	hicles (Revised requirements)
Ed 1.01 A4 58p EN PDF 58p EN		Gr 11 43.040.80
81/576/EEC:1981, MOD; 82/319/EEC:1	982, MOD; 77/541/EEC:1977, MOD	
Applies to safety belts and restraint syst fittings, by persons of adult build occupy Am 1(National), 2002-03-15	ems which are designed for installation ing forward-facing seats.	in vehicles and are intended for separate use, i.e. as individual
SANS 1082:2012		
Disinfectants based on phenolics		
Ed 3.00 A4.19p EN		Gr 8
PDF 19p EN		71.100.35
Specifies requirements for disinfectants from excessive dirt.	based on phenolics which are miscible	with water and intended for use on inanimate surfaces that are free
SANS 1083:2006 (SABS 1083)		
Aggregates from natural sources - Ag	gregates for concrete	
Ed 2.02 A4 15p EN		Gr 7
PDF 15p EN		91.100.15; 91.100.25
Specifies requirements for fine and coar Am 1(National), 2002-05-08	se aggregates from natural sources for Am 2(National), 2006-10-27	use in concrete.
SANS 1085:2004 (2009-06-26) (SABS 1085)		
Wall outlet boxes for the enclosure of	electrical accessories	
Ed 3.03 A4 7p EN		Gr 5
PDF 7p EN		29.120.99
Specifies requirements for wall outlet bo Am 1(National), 2000-02-11	xes, including requirements for mountir Am 2(National), 2001-10-12	ng centres of flush and semi-flush mounting outlet boxes. Am 3(National), 2004-12-15
SANS 1086:2007 (2012-06-01)		
Flexible poly(vinyl chloride) (PVC) pre	essure hose	
Ed 1.01 A4 15p EN		Gr 7
PDF 15p EN		23.040.70
Covers flexible PVC hose of nominal bo packaging and marking, and methods or Am 1(National), 2007-03-16	res ranging from 6,3 to 63 mm. The spe i test.	ecification includes requirements for material, performance,
SANS 1088:2004 (2012-10-26) (SABS 1088)		
Luminaire entries and spigots		
Ed 1.02 A4 8p EN		Gr 5
PDF 8p EN		29.140.40
Covers the material, dimensional, const supports.	ructional, and finish requirements of lun	ninaire entries and spigots used to connect luminaries and their
Am 1(National), 2003-03-28	Am 2(National), 2004-03-12	
SANS 1090:2009 (SABS 1090)		
Aggregates from natural sources - Fin	ne aggregates for plaster and mortar	
Ed 2.02 A4 12p EN		Gr 6
PDF 12p EN		91.100.15; 91.100.25
Specifies requirements for fine aggregat Am 1(National), 2002-05-08	es from natural sources, for use in mor Am 2(National), 2009-04-09	tar and plaster.

SANS 1091:2012 (SABS 1091) National colour standard Ed 2.01 A4 40p EN Gr 10 PDF 40p EN 17.180.20 Identifies a number of colours for use in various industries, mainly for colour identification and coding. The selected colours are linked to the Natural Color System. The Natural Color System (NCS) describes colour perceptions that appear to belong to the surface of a material, provided the surface is not perceived to be metallic or fluorescent. The system does not include colours that appear to belong to translucent or luminescent objects (so-called volume colours and luminous colours), nor does it include other visual properties of the surface layer, such as gloss and texture. An NCS notation does not describe the physical or chemical properties of an object. Am 1(National), 2012-10-26 SANS 1092:2007 (SABS SM 92) Breaking strength and extension at break of textile fabrics - Strip method using constant rate of load Ed 3.01 A4 4p EN Gr 3 PDF 4p EN 59.080.30 Specifies the strip method for the determination of the breaking strength and extension at break of textile fabrics, using a constant rate of load. Am 1(National), 2007-11-09

SANS 1096:2012 / ISO 10244:2010

Document management - Business process baselining and analysis

Ed 1.00	A4 14p EN	Gr 7
	PDF 14p EN	35.240.30

Specifies the detailed information associated with the activities organizations perform when documenting existing work or business processes (business process baselining), defining the level of information required to be gathered, methods of documenting the processes, and the procedures used when evaluating or analysing the work or business processes. Provides tools for organizations to identify relevant aspects of processes and to document them in a standardized format, thus permitting them to facilitate detailed analysis and identification of relevant technology(ies) so as to improve the processes or procedures.

SANS 1097:2005 (2010-05-07)

(SABS	SM	97)
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Dimensional changes in textile fabrics caused by immersion in cold water			
Ed 4.00	A4 6p EN	Gr 5	
	PDF 6p EN	59.080.30	

Specifies a method for the determination of the dimensional changes that occur when a fabric is subjected to immersion in cold water (without agitation) and then dried.

SANS 1099:2008

(SABS 1099)

Hardwood furniture timber

Ed	1.05	A4 25p EN	
		PDF 25p EN	

Covers three basic grades (i.e. clear grade, semi-clear grade and knotty grade) of rough-sawn hardwood timber and timber derived from trees of the Podocarpus spp., of density (at a moisture content of 12 % (m/m)) at least 400 kg/m3, and intended for use in the manufacture of furniture. Covers pieces of cutting grade from which at least one smaller piece of one of the basic grades can be cut.

Gr 9

79.040; 97.140

Am 1(National), 1979-02-01	Am 2(National), 1980-11-01	Am 3(National), 1982-03-01
Am 4(National), 1984-03-01	Am 5(National), 2008-08-22	
SANS 1100:2009		
(SABS 1100)		
Industrial laminated sheets bas	ed on phenolic resin	
Ed 1.01 A4 41p EN		Gr 11
PDF 41p EN		83.140.20
Covers the mechanical and electr paper-base or a cotton fabric-base Am 1(National), 2009-05-15	ical requirements for laminated sheet mate and are bonded together under heat and	erials for industrial purposes. The laminated sheets have a cellulose pressure by a therosetting phenolic type of resin.
SANS 1105-1:2010 / ISO 10161-7 Information and documentation specification	1:1997 - Open Systems Interconnection - Inter	library loan application protocol specification Part 1: Protocol
Ed 1.00 A4 132p EN		Gr 16
PDF 132p EN		35.100.70; 35.240.30

Defines the protocol for an ILL application-service-elemen(ASE). Specifies the behaviour which must be exhibited by a system in order to take part in the provision of the IS0 interlibrary loan service. Is intended for use by libraries, information utilities such as union catalogue centres, and any other system which processes bibliographic information.

Am 1(International), 2010-10-01 Am 2(International), 2010-10-01

Standards South Africa Catalogue 2013 NUM - 117

SANS 1105-2:2011 / ISO 10161-2:1997 Information and documentation - Open systems interconnection - Interlibrary Ioan application protocol specification Part 2: Protocol implementation conformance statement (PICS) proforma Gr 12 Ed 1.00 A4 43p EN PDF 43p EN 35.100.70: 35.240.30 Defines the PICS proforma for the ILL protocol, in compliance with the relevant requirements, and in accordance with the relevant guidance for a PICS proforma. SANS 1108:2005 (SABS 1108) Glass test tubes Ed 1.03 A4 8p EN Gr 5 PDF 8p EN 71.040.20 Covers glass test tubes of two types (i.e. rimmed and rimless) for use in laboratories for blood collection purposes and for general purpose use. Specifies requirements for material, dimensions, construction, freedom from defects, packing and marking. Am 1(National), 1980-05-01 Am 2(National), 1988-08-01 Am 3(National), 2005-04-08 SANS 1109-1:2005 / ISO 7-1:1994 (2011-07-15) (SABS 1109-1) Pipe threads where pressure-tight joints are made on the threads Part 1: Dimensions, tolerances and designation Ed 3.00 A4 10p EN Gr 6 PDF 10p EN 21.040.30 Specifies the requirements for thread form, dimensions, tolerances and designation for jointing pipe threads, sizes 1/16 to 6 inclusive, for joints made pressure-tight by the mating of the threads. These threads are taper external, parallel internal or taper internal and are intended for use with pipes suitable for threading and for valves, fittings or other pipeline equipment interconnected by threaded joints. Cor 1(International), 2011-07-15 SANS 1109-2:2005 / ISO 7-2:2000 (2013-03-15) (SABS 1109-2) Pipe threads where pressure-tight joints are made on the threads Part 2: Verification by means of limit gauges Ed 3.00 A4 37p EN Gr 11 PDF 37p EN 21.040.30 Specifies a process using limit gauges, for the validation of taper internal and external threads and parallel internal threads on piping systems components and other products, the dimensions and tolerances of which are detailed in SANS 1109-1. SANS 1110:2008 (SABS 1110) Screwdrivers for slotted-head screws Ed 1.07 A4 14p EN Gr 6 PDF 14p EN 25.140.30 Covers 4 types (high-torque, mechanics', electricians' and stubby) of hand-operated screwdrivers for use on slotted-head screws. Requirements for dimensions, handle material, blade hardness, finish, assembly and performance (and the corresponding tests) are specified. Am 1(National), 1978-03-01 Am 2(National), 1979-11-01 Am 3(National), 1987-06-01 Am 4(National), 1989-05-01 Am 5(National), 1991-02-01 Am 6(National), 1991-11-01 Am 7(National), 2008-07-25 SANS 1111:2008 (SABS 1111) Coal-burning appliances (reduced smoke emission type) Ed 1.05 A4 18p EN Gr 7 PDF 18p EN 27.060.10; 97.040.20 Covers the constructional and performance requirements for coal burning appliances of three types that are free standing type and that operate with the minimum of smoke emission. Am 1(National), 1978-08-01 Am 2(National), 1983-03-01 Am 3(National), 1986-03-01 Am 4(National), 1987-11-01 Am 5(National), 2008-11-07 SANS 1112:2008 (SABS 1112) Open-end, box, and combination wrenches Ed 1.01 A4 15p EN Gr 7 PDF 15p EN 25.140.30 Covers the requirements for the material, dimensions, performance, and finish of three types of wrenches that are commonly referred to as spanners.

NUMERICAL LIST OF STANDARDS

Am 1(National), 2008-06-20

SANS 1113:2006 (2012-06-01) (SABS 1113) Hand-operated, square-drive socket wrenches	
Ed 1.01 A4 21p EN	Gr 8
Covers the requirements for the material, dimensions, construction, performance, components and accessories for hand-operated, square-drive, hexagon and doubl Am 1(National), 2006-02-03	25.140.30 and finish of sockets and of seven types (see 3.1) of driving e-hexagon socket wrenches.
SANS 1114:2006 (SABS 1114)	
Ed 3.03 A4.47p EN	-injection-moulded soles and heels
PDF 47p EN	13.340.50; 61.060
Specifies the requirements for the materials and construction of industrial boots, in moulded or the direct-injection-moulded principle. Am 1(National), 2001-05-21 Am 2(National), 2003-04-04	Accordance with the stuck-on pre-
SANS 1115-2007 (2012-06-20)	
(SABS 1115)	
Cast iron gratings for gullies and stormwater drains	
Ed 1.02 A4 20p EN	Gr 8
Course the requirements for air times of protings (and 0.0.1) intended for use in a	//.140.80; 91.140.80
Covers the requirements for six types of gratings (see 3.2.1) intended for use in guAm 1(National), 1996-05-27Am 2(National), 2007-11-09	illies and for storm-water drainage.
SANS 1116-1:2008 (SABS 1116-1)	
Retro-reflective number plates for motor vehicles Part 1: Blank plates (alumin	nium)
PDF 18p EN	Gr 7 43.040.60
Specifies requirements for aluminium blank plates that are intended for use in the	production of number plates covered in SANS 1116-2.
SARS 1116-2:2008 (SARS 1116-2)	
Retro-reflective number plates for motor vehicles Part 2: Number plates (alur	ninium)
Ed 5.00 A4 31p EN	Gr 10
PDF 31p EN	43.040.60
Specifies requirements for aluminium number plates that are intended for use on n	notor vehicles (including motor cycles and tricycles) and trailers.
SANS 1116-3:2008 (SABS 1116-3)	
Retro-reflective number plates for motor vehicles Part 3: Blank plates (plastic	cs)
Ed 3.00 A4 15p EN	Gr 7
PDI TOP LIN	43.040.60
specifies requirements for plastic blank plates that are intended for use in the proc	Juction of number plates covered in SANS 1116-4.
SANS 1116-4:2008	
(SABS 1116-4) Retro-reflective number plates for motor vehicles Part 4: Number plates (plate)	etice)
Ed 5.00 A4 32n EN	Gr 10
PDF 32p EN	43.040.60
Specifies requirements for plastic number plates that are intended for use on moto	or vehicles (including motor cycles and tricycles) and trailers.
SANS 1117:2007 (SABS 1117)	
Plastics wrappings for the protection of steel pipelines	
Ed 1.02 A4 24p EN	Gr 9
PDF 24p EN	23.040.10; 83.140.10
Covers four types of plastics wrappings (supplied in rolls) intended for lapping rour used in conjunction with a suitable primer to protect the pipelines against corrosion Am 1(National), 1981-03-01 Am 2(National), 2007-08-24	nd steel pipelines (of nominal size greater than 150 mm) and n.

Standards South Africa Catalogue 2013 NUM - 119

SANS 1118-1:2003 (2010-02-19) (SABS 1118-1)		
School clothing Part 1: General requi	rements for school clothing	
Ed 3.02 A4 12p EN PDF 12p EN		Gr 6 61.020
Specifies the general requirements for the Am 1(National), 2000-08-25	ne materials, workmanship, packing, care Am 2(National), 2003-03-28	-labelling, marking and inspection of school clothing
SANS 1118-2:2004 (2010-02-19) (SABS 1118-2)		
School clothing Part 2: Blazers		
Ed 2.04 A4 6p EN PDF 6p EN		Gr 4 61.020
Covers the outer material, sizes and cor Am 1(National), 1985-05-01 Am 4(National), 2004-06-24	nstruction of school blazers for boys and g Am 2(National), 1988-06-01	irls. Am 3(National), 2000-08-25
SANS 1118-3:2008 (2012-12-14) (SABS 1118-3)		
School clothing Part 3: Trousers and	shorts	
Ed 3.03 A4 8p EN		Gr 5
PDF 8p EN		61.020
Specifies the materials, cut , make and t Am 1(National), 2000-08-25	trim of boys' trousers and shorts. Am 2(National), 2001-08-31	Am 3(National), 2008-02-15
SANS 1118-4:2008 (2012-12-14) (SABS 1118-4)		
School clothing Part 4: Shirts		
Ed 3.02 A4 8p EN PDF 8p EN		Gr 5 61.020
Specifies the materials, cut , make and t Am 1(National), 2000-08-25	trim of shirts for boys and girls. Am 2(National), 2008-02-15	
SANS 1118-6:2008 (2012-12-14) (SABS 1118-6)		
School clothing Part 6: Dresses, tunio	cs and gyms	
Ed 3.03 A4 13p EN		Gr 6
Covers the materials, cut, make and trin	n of girls' dresses, tunics and gyms.	61.020
Am 1(National), 2000-08-25	Am 2(National), 2001-08-31	Am 3(National), 2008-02-15
SANS 1118-7:2008 (2012-12-14) (SABS 1118-7)		
School clothing Part 7: Girls' slacks a	and skirts	
		Gr 5
		61.020
Covers the materials, cut, make and trin Am 1(National), 2000-08-25	n of girls' slacks and skirts. Am 2(National), 2001-08-31	Am 3(National), 2008-02-15
SANS 1118-9:2008 (2012-12-14) (SABS 1118-9)		
School clothing Part 9: Knee-high sto	ockings and ankle socks	
Ed 1.03 A4 12p EN PDF 12p EN		Gr 6 61.020
Covers the requirements for two types o Am 1(National), 2000-08-25	f knee-high stockings and two types of an Cor 1(National), 2000-10-12	kle socks for school wear. Am 2(National), 2008-02-29
SANS 1118-10:2008 (2012-12-14) (SABS 1118-10)		
School clothing Part 10: Jerseys and	cardigans	
PDF 13p EN		61.020
Covers the requirements for the materia Am 1(National), 1988-08-01 Am 4(National), 2008-02-22	ls, size, and make of school jerseys and c Am 2(National), 2000-08-25	cardigans. Am 3(National), 2001-07-20

Standards South Africa Catalogue 2013 NUM - 120

SANS 1118-11:2008 (SABS 1118-11) School clothing Part 11: Briefs Ed 1.04 A4 9p EN PDF 9p EN		Gr 5 61.020
Covers the requirements for the materi Am 1(National), 2000-08-25 Am 3(National), 2008-10-24	als for, and the sizes and make of school Cor 1(National), 2000-10-12	briefs for girls. Am 2(National), 2008-02-22
SANS 1118-12:2008 (SABS 1118-12) School clothing Part 12: Tracksuits Ed 1 03 A4 9p EN		Gr 5
PDF 9p EN		61.020
Covers the requirements for the materi Am 1(National), 2000-08-25	als, size and make of tracksuits. Am 2(National), 2008-02-22	Am 3(National), 2008-10-24
SANS 1118-13:2008 (SABS 1118-13) School clothing Part 13: Athletic weated Ed 1.04 A4 9p EN PDF 9p EN	ar	Gr 5 61.020
Covers the requirements for the materi Am 1(National), 2000-08-25 Am 4(National), 2008-10-24	als, size and make of athletic wear made Am 2(National), 2001-08-31	from woven or knitted fabrics (or both). Am 3(National), 2008-02-22
SANS 1120:2008 (SABS 1120) Pliers and nippers Ed 2.01 A4 30p EN PDF 30p EN		Gr 9 25 140 30
Covers the material, dimensional, consinsulation on handles, resistance to tor Am 1(National), 2008-07-04	structional and performance requirement sion, cutting ability and finish are included	s for 12 types of pliers and 3 types of nippers. Strength of handles, I.
SANS 1121:2010 / ISO 10160:1997 Information and documentation - Op Ed 1.00 A4 64p EN PDF 64p EN	en Systems Interconnection - Interlibra	ary loan application service definition Gr 14
ls an application layer standard within t	the open systems interconnection framew	ork defined by ISO 7498. Defines the services for interlibrary loan.
SANS 1123:2011 (SABS 1123) Pipe flanges		
Ed 3.02 A4 53p EN PDF 53p EN		Gr 12 23.040.60
Specifies requirements for the material temperatures in the range -10 °C to +2 Am 1(National), 2007-03-16	and dimensions of six types of flange sui 00 ℃. Am 2(National), 2011-08-26	table for working pressures up to 4 000 kPa and working
SANS 1124-1:2011 (SABS 1124-1) Syringes and needles (sterile-packed Ed 4.00 A4.30p EN	d for single use) Part 1: Hypodermic ne	edles Gr 9
PDF 30p EN		11.040.20
Specifies requirements for sterile, sing	le-use, plastics-hubbed Luer lock hypoder	mic injection needles for general medical use.
SANS 1124-2:2011 (SABS 1124-2) Syringes and needles (sterile-packed Ed 4 00 A4 27p EN	d for single use) Part 2: Syringes	Gr 9
PDF 27p EN		11.040.20
Specifies requirements for sterile. Sind	e-use, plastics syringes for general medic	ai use supplied with needles, integrated or detached. Or without

Specifies requirements for sterile, single-use, plastics syringes for general medical use supplied with needles, integrated or detached, or without needles. It covers tuberculin syringes, general medical syringes with a 6 % Luer conical taper nozzle, catheter syringes and syringes for fixed-dose immunization. It does not cover syringes for use with power-driven syringe pumps.

SANS 1124-3:2011 Syringes and needles (sterile-packed for single use) Part 3: Syringes with a re-use prevention feature Ed 1.00 A4 15p EN Gr 7 PDF 15p EN 11.040.25 Specifies requirements for sterile, single-use, plastics syringes with a re-use prevention (RUP) feature intended for general medical use, for fixeddose immunization and for injecting insulin, supplied without needles or with needles (integrated or detached). It does not cover syringes intended for use with power-driven syringe pumps. SANS 1125:2004 (2013-03-15) (SABS 1125) Room air conditioners and heat pumps Ed 2.03 A4 8p EN Gr 5 PDF 8p EN 23.120 Specifies requirements for single-package and split-system non-ducted air conditioners that employ air-cooled and water-cooled condensers and for heat pumps that employ air-cooled condensers. Limited to systems that utilize a single refrigeration circuit and have one evaporator and one condenser. Covers air conditioners that are intended for operation on an a.c. power supply, single phase not exceeding 250 V to earth, and threephase not exceeding 418 V to earth, with a frequency of 50 Hz, and that have a cooling capacity not exceeding 12 000 W. Am 1(National), 1997-11-03 Am 2(National), 2001-05-25 Am 3(National), 2004-07-30 SANS 1126:2011 (SABS 1126) Vehicle jacks Ed 3.00 A4 25p EN Gr 9 PDF 25p EN 43.180; 53.020.99 Specifies requirements for the design, construction, performance and labelling of vehicle jacks designed to raise vehicles. Does not include devices that raise entire vehicles which include hydraulic trolley jacks. SANS 1127:2007 (SABS 1127) Algaecides for use in freshwater swimming pools Ed 2.00 A4 9p EN Gr 5 PDF 9p EN 07.100.20: 13.060.70 Covers two types of algaecides suitable for use in freshwater swimming pools. SANS 1128-1:2010 (SABS 1128-1) Firefighting equipment Part 1: Components of underground and above-ground hydrant systems Ed 2.01 A4 25p EN Gr 9 PDF 25p EN 13.220.10; 23.060.99 Covers the construction and performance requirements of underground and above-ground hydrant assemblies. Am 1(National), 2010-05-07 SANS 1128-2:2010 (SABS 1128-2) Firefighting equipment Part 2: Hose couplings, connectors and branch pipe and nozzle connections Ed 2.01 A4 24p EN Gr 9 PDF 24p EN 13.220.10: 23.040.60 Covers fire hose delivery couplings to fit hose of nominal diameter 45 mm, 65 mm, 70 mm and 100 mm; suction couplings to fit hose of nominal diameter 80 mm, 90 mm, 100 mm, 115 mm, 125 mm, 140 mm, and 150 mm; connectors; and branch pipe and nozzle connections for delivery hose Am 1(National), 2010-05-07 SANS 1129:2008 (SABS 1129) Steel door frames Ed 1.04 A4 21p EN Gr 8 PDF 21p EN 77.140.70; 91.060.50 Covers steel door frames (with or without fanlight frames) for walk-through doors. Am 1(National), 1983-11-01 Am 2(National), 1998-02-09 Am 3(National), 2002-02-22 Am 4(National), 2008-12-12

SANS 1130:2008 (SABS 1130)	raning	
Ed 1.04 A4 14p EN	napping	Gr 6
PDF 14p EN		23 040 10: 59 100 10
Covers four types of reinforcing materi	al constructed from glass fibre and pol	yester fibre and suitable for imbedding in a bitumen or coal tar enamel
Am 1(National), 1980-11-05 Am 4(National), 2009-01-23	Am 2(National), 1999-10-29	Am 3(National), 2006-03-03
SANS 1132:2009 / ISO 132:2005 Rubber, vulcanized or thermoplastic	c - Determination of flex cracking an	d crack growth (De Mattia)
Ed 2.00 A4 15p EN PDF 15p EN		Gr 8 83.060; 83.080.20
Specifies a method of test intended for repeated flexing on the De Mattia type	r use in comparing the resistance of rul machine.	bbers to the formation and growth of cracks, when subjected to
SANS 1133:2008 / ISO 1133:2005 (SABS ISO 1133)		
Plastics - Determination of the melt	mass-flow rate (MFR) and the melt v	olume-flow rate (MVR) of thermoplastics
Ed 2.00 A4 21p EN		Gr 9
Specifies two procedures for the deter	mination of the melt mass-flow rate (M	83.080.20 FR) and the melt volume-flow rate (MVR)of thermoplastic materials.
SANS 1137-2012 / ASTM D1730-1008	2	
Standard test method for collection	and measurement of dustfall (settle	able particulate matter)
Ed 1.00 A4 5p EN		Gr 5
PDF 5p EN		13.040.20
Covers a procedure for the collection of matter.	of dustfall and its measurement. Descri	bes the determination of water-soluble and insoluble particulate
SANS 1143:2008 (SABS 1143)		
Mushroom- and countersunk-head I	polts and nuts	
Ed 2.01 A4 17p EN PDF 17p EN		Gr 7 21.060.10; 21.060.20
Gives requirements for one type of mu Am 1(National), 2008-09-05	shroom-head bolts, four types of count	tersunk-head bolts and hexagon and square nuts.
SANS 1144:2007 (SABS 1144)		
Hydraulic trolley jacks		
Ed 2.00 A4 24p EN PDF 24p EN		Gr 9 43.180
Specifies requirements for the design, include devices that raise entire vehicl	construction, performance and markin es.	g of hydraulic trolley jacks designed to raise vehicles. It does not
SANS 1145:2007 (SABS 1145)		
Castor and icing sugars for househ	old and confectionery use	
Ed 2.01 A4 11p EN PDF 11p EN		Gr 6 67.180.10
Specifies the requirements for castor a Am 1(National), 2007-06-15	and icing sugars for household and con	fectionery use.
SANS 1147:2001 (SABS 1147)		
Leather school bags and school brid	ef-cases	
Ed 1.01 A4 24p EN PDF 24p EN		Gr 10 59.140.35
Leather, bags, briefcases, schools Am 1(National), 2001-11-09		

SANS 1148:2008		
Wooden safety matches		
Ed 1.01 A4 14p EN		Gr 6
PDF 14p EN		79.080; 97.180
Covers safety matches of wood and pac materials, transverse breaking strength boxes. Am 1(National), 2008.06-20	ked in wooden or cardboard boxes, but do of splints, length of matches, and freedom	bes not cover book matches. Specifies general requirements, from visible defects and functional failures of matches and
SANS 1150:2007 (SABS 1150) Class reinforced polyactor (CBB) Jam	instad sharts (profiled or flat)	
Ed 2.03 A4 16p EN	inated sheets (promed of hat)	Gr 7
PDF 16p EN		83.140.20
Covers 2 types of laminated sheets in bo transmission and flammability, and tabu	oth flame-retardant and non-flame-retarda lates the size and number of visible defec	nt classes. Includes requirements for mass per unit area, light ts permitted.
Am 1(National), 1991-08-01	Am 2(National), 2001-09-17	Am 3(National), 2007-03-16
SANS 1151:2010 (SABS 1151) Portable rechargeable fire extinguish	ers - Halogenated hydrocarbon type ex	tinguishers
Ed 3.02 A4 25p EN PDF 25p EN		Gr 9
Specifies the characteristics of stored pr exceeding 12 Kg and suitable for use on Am 1(National), 2005-04-29	ressure, portable rechargeable fire extingunation fires of classes A, B and C. Am 2(National), 2010-06-04	ishers of the halogenated hydrocarbon type, of capacity not
SANS 1152:2008		
(SABS 1152)		
Metal-working chisels for hand use		
Ed 1.03 A4 11p EN PDF 11p EN		Gr 6 25.100.99
Covers the material, dimensional, finish Am 1(National), 1989-05-01	and hardness requirements for 4 types of Am 2(National), 1990-11-01	metal-working chisels for hand use. Am 3(National), 2008-06-20
SANS 1156-1:2007 (2012-06-29) (SABS 1156-1)		
Hose for liquefied petroleum gas (LPC	G) Part 1: Hose used in road and rail tra	ansport
Ed 1.02 A4 15p EN		Gr 7
PDF 15p EN		23.040.70; 75.200
Covers three types of flexible reinforced °C. Includes requirements for dimension	hose that are intended to be permanently as and performance.	filled with liquid during use in the temperature range -20 to +45
Am 1(National), 2001-03-29	Am 2(National), 2007-02-09	
SANS 1156-2:2012 (SABS 1156-2) Hose for natural gas and liquefied per	troleum αas (LPG) Part 2: Hose and tub	ing for use in natural gas and liquefied petroleum gas
vapour phase		
Ed 3.00 A4 26p EN		Gr 9
		23.040.70; 75.200
vapour phase and natural gas applicatio	tubing for use, at a temperature from -10 ns.	degrees Gelsius and not exceeding 60 degrees Celsius, in LPG
SANS 1157:2013 Transport of dangerous goods - Insper	ection requirements of road vehicles fo	r the issue of municipal dangerous goods transport
Ed 1.00 A4 11p EN		Gr 6
PDF 11p EN		13.300; 43.080.10
Covers the inspection requirements of ro the exempted quantities as listed in SAN	pad vehicles used to transport dangerous NS 10231.	goods as classified in SANS 10228 and in quantities in excess of

re-cooked frozen foods containing protein	
	Gr 9
Ν	67.020
its for the production of pre-coocked foods containing p 1-09-16	rotein.
SF/ANSI 61:2010	
em components - Health effects	
N EN	Gr 19 13.060.20; 91.140.60
rials or products that come into contact with drinking wawater.	ater and evaluation of contaminants or impurities that are indirectly
- · · ·	
n - Requirements	
Ν	03.200
ninimum requirements for the performance of organizatilate a policy and objectives, which take into account leg	tions in the tourism sector in relation to sustainability, and enables an gal requirements and information pertaining to the impact of these
998-12-15)	
stic dishwashing machines	
	Gr 7
1	71.100.40; 97.040.40
use in domestic dishwashing machines and intended for tableware, cutlery and all metal and plastics kitchen ute ex phosphate content, silicate content, water-insoluble in ness to aluminium, sequestering power, attack on fine of 8-11-01 Am 2(National), 1983-11-01	or cleaning crockery (including crockery with on-glaze or under-glaze ensils. Specifies requirements for odour, free alkali content, alkaline natter content or available chlorine content, buffer index, foaming china decoration and stability.
chloride) (PVC-M) pressure pipes and couplings for	r compressed air services in underground mining
N	Gr 10
ts for one pressure class (700 kPa) of modified poly(vir	ayl chloride) (PVC-M) pipe of nominal sizes 50 mm to 500 mm and one
these pipes suitable for the conveyance of compressed	air.
thout needles for the injection of insulin (sterile-pac	ked for single use)
	Gr 9
Ν	11.040.20
nts and test methods for sterile, single-use, plastics syring syringes for use with 40 units of insulin per millilitre (U-4 1-02-11	nges, with or without needles, solely for the injection of insulin primarily 40) and 100 units of insulin per millilitre (U-100) that are intended for
oluding opfotu obooo) with stuck on the mouth of the	direct injection moulded calco and heals
cluding salety shoes) with stuck-on pre-moulded or	Gr 11
N	13.340.50: 61.060
ments for the materials and construction of industrial sh	noes, including safety shoes, made in accordance with the stuck-on or
1-05-11 Am 2(National), 2002-09-20	Am 3(National), 2006-05-26
cluding safety shoes) with direct-vulcanized soles a	and heels
Ν	Gr 11 13.340.50; 61.060
ments for the materials and construction of industrial sh	oes, including safety shoes, made in accordance with the direct-
1-05-11 Am 2(National), 2003-05-23	Am 3(National), 2006-05-26
Ctandarda South Africa Catala	aug. 2012
ar Anti Severson Ardi 99 Sultasha Conthe Units 1 Concil Con 1	e-cooked frozen foods containing protein s for the production of pre-coocked foods containing p -09-16 SF/ANSI 61:2010 m components - Health effects N ials or products that come into contact with drinking wa ater. - Requirements u inimum requirements for the performance of organiza ate a policy and objectives, which take into account leg 38-12-15) tic dishwashing machines use in domestic dishwashing machines and intended for ableware, cutlery and all metal and plastics kitchen ute (phosphate content, silicate content, water-insoluble r ess to aluminium, sequestering power, attack on fine of h-11-01 Am 2(National), 1983-11-01 Shloride) (PVC-M) pressure pipes and couplings for u s for one pressure class (700 kPa) of modified poly(vir nese pipes suitable for the conveyance of compressed hout needles for the injection of insulin (sterile-pace u s and test methods for sterile, single-use, plastics syrii syringes for use with 40 units of insulin per millilitre (U- -02-11 duding safety shoes) with stuck-on pre-moulded or nents for the materials and construction of industrial sh- budded principle. -05-11 Am 2(National), 2002-09-20 Studing safety shoes) with direct-vulcanized soles a nents for the materials and construction of industrial sh- budded principle. -05-11 Am 2(National), 2003-05-23

SANS 116	9:2008		
(SABS 116	9) A standa		
	/ stands		Gré
F	PDF 12p EN		91.080.10
Covers the access to a Am 1(Natio	requirements for the design and egress from the stands a onal), 2008-12-12	and erection of temporary stands that are also covered.	provide seating or accommodation for spectators.Requirements for
SANS 117 (SABS 117	0:2010 (0)		
Linear alky	benzenesulphonic acid		
Ed 1.04 A F	4 22p EN PDF 22p EN		Gr 8 71.080.40
Covers two Am 1(Natio Am 4(Natio	types of linear alkylbenzene onal), 1985-05-01 onal), 2010-10-08	esulphonic acid, each type having two Am 2(National), 1989-02-01	grades of colour. Am 3(National), 2008-08-22
SANS 117 (SABS 117	1:2011 1)		
Metal scre	ws for wood		
Ed 2.03 A			Gr 10
F	DF 36P EN		21.060.10
Specifies the intended for	ne characteristics of seven ty r use in wood	pes of screws, made from steel, brase	s, silicon bronze, aluminium, stainless steel wire or steel rod and
Am 1(Natio	onal), 1994-08-01	Am 2(National), 2006-10-13	Am 3(National), 2011-01-21
SANS 1172 (SABS 117	2:2008 (2)		
Files and I	rasps		
Ed 1.04 A	4 23p EN PDE 23p EN		Gr 9
0		tatala na matana ang ka ƙarara a kini tata ƙila a	
Am 1(Nation Am 4(Nation	material, dimensional, and f onal), 1983-11-01 onal), 2008-07-11	Am 2(National), 1988-06-01	, saw files, miscellaneous files and rasps. Am 3(National), 1991-08-01
SANS 1173 (SABS 117	3:2006 (3)		
General p	urpose textile-reinforced co	onveyor belting	
Ed 2.01 A	4 24p EN		Gr 9
F	DF 24p EN		53.040.20
Covers ger the minimu belting, oil installation Am 1(Natio	neral requirements for textile m full thickness breaking str resistant belting, and belting s; for information refer to the conal), 2006-08-11	-reinforced conveyor belting designed ength of the finished belting in kilonew suitable for use on elevators and fooc manufacturer's catalogue.	for use on flat or troughed idlers. The belting is classified according to tons per metre (kN/m). Speciality belting, such as heat resistant conveyors, is not covered. Does not specify data for design of belting
SANS 1174 (SABS 117	4:2011 (4)		
Bains-mar	ie and hot cupboards		
Ed 2.02 A	4 23p EN		Gr 9
F	DF 23p EN		97.040.20
Covers the intended fo	material, constructional and r use in catering services.	performance requirements for bains-r	narie, hot cupboards and bain-marie-hot-cupboard combinations
Am 1(Natio	onal), 2005-04-22	Am 2(National), 2011-03-18	
SANS 117 (SABS 117	5:2008 (5)		
High spee	d steel slitting saws		
Ed 1.01 A F	A4 14p EN PDF 14p EN		Gr 6 25.100.40
Covers req blade).	uirements for material, hard	ness, dimensions and permissible rund	out of plain slitting saws (i.e. without cutting edges on the sides of the

Am 1(National), 2008-05-30

SANS 1176:2010		
(SABS 1176)		
Ed 2.01 A4.265 EN	of nominal capacities 5 L to 220 L	Gr 9
PDF 26p EN		55 140: 83 140 99
Specifies the characteristics of self-sup suitable for the storage and transportati nominal capacity 10 L, for reserve fuel f Am 1(National), 2010-02-01	porting containers that are made of plas on of substances in liquid or solid form. or motor vehicles.	stics materials, are of nominal capacities 5 L to 220 L, and are Also covers self-supporting plastics containers, of maximum
SANS 1177:2007 (2013-01-18)		
(SABS 11//)		
Ed 2.00 A4.10p EN		Gr 5
PDF 10p EN		97.160
Covers requirements for woven terry jac	cquard face cloths, towels, and bath ma	ts suitable for domestic and institutional use.
SANS 1178:2010 (SABS 1178) The production of coated steel pipes	using fibre reinforced bituminous m	aterials
Ed 2.00 A4 35p EN		Gr 10
PDF 35p EN		23.040.10; 75.140
Covers the application of bitumen and of than 150 mm, to render them suitable for the finished linings and coatings are spo	of coal tar enamel to the inside (lining) of or burial in soil or for submerging in wat ecified.	or the outside (coating) of welded steel pipes of nominal size greater er, fresh or salt. In addition, requirements for essential properties of
SANS 1180:2011 / ISO 376:2004 Metallic materials - Calibration of for	ce-proving instruments used for the	verification of uniaxial testing machines
Ed 1.00 A4 26p EN		Gr 10
PDF 26p EN		77.040.10
Covers the calibration of force-proving i machines) and describes a procedure for measuring the elastic deformation of a	nstruments used for the static verification or classifying these instruments. Applie loaded member or a quantity which is p	on of uniaxial testing machines (e.g. tension/compression testing s to force-proving instruments in which the force is determined by roportional to it.
SANS 1182:2009		
(SABS 1182)		
Light gauge welded steel pipes		
Ed 1.03 A4 16p EN		Gr 7
PDF 10p EN		23.040.10
Covers the requirements for light gauge suitable for the conveyance of fluids.	e welded carbon steel (mild steel) pipes	of nominal outside diameter in the range 9,9 mm to 219,1 mm and
Err 1(National), 1978-03-01 Am 3(National), 2009-01-23	Am 1(National), 1990-11-01	Am 2(National), 2002-02-22
SANS 1183:2008		
(SABS 1183)		
Nurses' woven uniform fabric (polyes	ster-and-cotton)	
Ed 2.01 A4 11p EN		Gr 6
FDF TIPEN		11.140; 59.080.30
Specifies requirements for two types of Am 1(National), 2008-06-20	polyester-and-cotton fabric suitable for	nurses' uniforms.
SANS 1186-1:2011 (SABS 1186-1)		
Symbolic safety signs Part 1: Standa	rd signs and general requirements	
Ed 3.06 A4 64p EN		Gr 13
PDF 64p EN		01.080.10; 13.100
Specifies requirements for standard ord Also specifies general requirements ap symbolic safety signs (complete with th	linary (non-reflective) symbolic safety si plicable to self-luminous (radioluminesc eir backing sheets, where applicable).	gns, including signs applied on mirrors or on vinyl sheets (decals). ent), internally illuminated, retro-reflective and photoluminescent
Am 1(National), 2001-01-19	Am 2(National), 2001-06-25	Am 3(National), 2003-12-05

Am 1(National), 2001-01-19 Am 4(National), 2007-11-16

Am 2(National), 2001-06-25 Am 5(National), 2008-05-30 Am 3(National), 2003-12-05 Am 6(National), 2011-08-05

SANS 1186-2:2007 (2013-01-18) (SABS 1186-2) Symbolic safety signs Part 2: Self-lum Ed 1.02 A4 12p EN	ninous (radioluminescent) signs	Gr 6	
PDF 12p EN		01.080.10; 13.100	
Specifies requirements for a type of safe intended to apply to small signs that mig Am 1(National), 2001-11-09	ety sign that is self-energized in respect of ht be used in aircraft. Am 2(National), 2007-02-16	luminosity and that requires no external source of power. Not	
SANS 1186-3:2004			
(SABS 1186-3)			
Symbolic safety signs Part 3: Internal	ly illuminated signs		
Ed 1.02 A4 11p EN		Gr 6	
		01.080.10; 13.100	
Specifies requirements for the construct temperatures between 10 °C and 40 °C. Am 1(National), 2001-07-27	ion and performance of internally illumina Such signs are illuminated by one or two Am 2(National), 2004-04-08	ted box type safety signs that are intended for use at ambient separate systems of electric lighting.	
SANS 1186-4:2011			
(SABS 1186-4)			
Symbolic safety signs Part 4: Retro-re	eflective signs		
Ed 1.03 A4 9p EN		Gr 5	
PDF 9p EN		01.080.10; 13.100	
Specifies the particular requirements for	retro-reflective safety signs.		
Am 1(National), 2004-02-19	Am 2(National), 2008-02-01	Am 3(National), 2011-02-11	
SANS 1186-5:2006 (2012-10-26) (SABS 1186-5)			
Symbolic safety signs Part 5: Photolu	minescent signs		
Ed 1.03 A4 9p EN PDF 9p EN		Gr 5 01.080.10; 13.100	
Specifies the particular requirements for Cor 1(National), 1998-04-22	photoluminescent safety signs. Am 1(National), 2004-10-29	Am 2(National), 2006-01-20	
SANS 1187:2009 (SABS 1187)			
Tanks and ancillary equipment for mil	lk tankers		
Ed 2.02 A4 16p EN		Gr 7	
PDF 16p EN		23.020.20; 67.260	
Covers the requirements for tanks and ancillary equipment for tankers used for the bulk transportation of milk. Does not cover the vehicle to which the tank is fitted.			
Am 1(National), 2008-06-13	Am 2(National), 2009-10-30		
SANS 1188:1978 (2000-06-13) (SABS 1188)			
Production of single-use hypodermic	needles (sterile-packed) for dental car	tridge syringes	
Ed 1.00 A4 14p EN		Gr 7	
PDF 14p EN		11.040.20	
Covers the material, constructional, dimensional, packing and marking requirements for sterile-packed, single-use, dental cartridge hypodermic needles having blade sheaths colour coded according to the nominal needle external diameter sizes. The specification also covers pyrogenicity, pH, sterility, mechanical requirements for the needles and general requirements for the factory.			
SANS 1190:2011 (SABS 1190)			
Malleable iron castings			
Ed 1.02 A4 17p EN		Gr 7	
PDF 17p EN		77,140,80	

Covers the relevant mechanical properties of 3 types of malleable iron castings in 10 grades. A requirement for phosphorus content, requirements for the form and constituent contents of the micro structure of each basic type, and marking requirements are laid down. An appendix gives a brief outline of some of the characteristics of malleable iron, and some guidance to potential users.

Am 1(National), 2009-03-20

Am 2(National), 2011-05-27

SANS 1191:2005 (2011-01-21) (SABS 1191) High penetration-resistant laminated a	safety glass for vehicles			
Ed 1.05 A4 14p EN PDF 14p EN		Gr 6		
Covers high penetration-resistant lamina Am 1(National), 1989-11-01 Am 4(National), 1997-11-24	ated safety glass including bullet-resistant Am 2(National), 1994-05-01 Am 5(National), 2005-10-14	glazing materials for use in vehicles. Am 3(National), 1995-01-01		
SANS 1192:2011 (SABS 1192) Laminated safety glass for vehicles Ed 1.04 A4 5p EN PDF 5p EN		Gr 4 43.040.65; 81.040.30		
Covers laminated safety glass (excluding Am 1(National), 1983-08-01 Am 4(National), 2011-08-05	g windscreens) for use in vehicles. Am 2(National), 1994-05-01	Am 3(National), 2005-04-08		
SANS 1193:2008 (SABS 1193) Toughened safety glass for vehicles Ed 2.00 A4 6p EN		Gr 4		
PDF 6p EN	n vohiolog	43.040.65; 81.040.30		
Covers toughened salety glass for use in				
SANS 1194:2006 (SABS 1194) Nylon tubing for air-brake application Ed 2.00 A4 14p EN PDF 14p EN	s	Gr 6 43.040.40		
Covers requirements for two types of nyl systems.	lon tubing as used in the motor industry in	n assemblies that convey air to operate pneumatic braking		
SANS 1195:2010 (SABS 1195) Busbars Ed 1.03 A4 29p EN PDE 29p EN		Gr 9		
PDF 29p EN 29.060.10 Covers requirements for construction, resistivity, tensile strength and elongation at break for busbars of copper, aluminium or an alloy of aluminium, in the form of bars, rods, tubes, channels and angles and intended for use as electrical conductors. Am 1(National), 2007-12-07 Am 2(National), 2008-11-28 Am 3(National), 2010-11-12				
SANS 1196:2013 (SABS 1196) Detergent-disinfectants based on org	anic halogen compounds (other than i	odine compounds)		
Ed 3.01 A4 21p EN PDF 21p EN		Gr 8 71.100.35		
Specifies requirements for two types of a which the halogen(s) is (are) directly link use on inanimate surfaces that have bee Am 1(National), 2013-03-15	detergent-disinfectants that contain organ ked to nitrogen and that also contain other en cleaned with potable water and have h	ic halogen compounds such as fluorine, bromine or chlorine, in r chemical agents that are miscible with water and intended for ad gross soil removed, and are free from visible soil.		
SANS 1197:2012 Tourism service excellence				
Ed 1.00 A4 26p EN PDF 26p EN		Gr 10		
Establishes standards and practices for sectors and organizations that constitute	planning, developing, implementing, main the tourism value chain.	ntaining, improving and recognizing service excellence in the sub-		
SANS 1198:2005 (2011-05-27) (SABS 1198)				
The manufacture of rubber sheeting f	or rubber lining			
Ed 2.00 A4 20p EN PDF 20p EN		Gr 8 23.040.10: 83.060		

Covers the requirements for the manufacture of sheeting of soft and hard (ebonite) rubber for lining of pipes and pipe fittings of diameter at least 25 mm, and other metal or concrete equipment. It includes the requirements of linings for different types of rubber, grades, classes and special properties specified by line call-out.

23.040.10; 83.060

Standards South Africa Catalogue 2013 NUM - 129

SANS 1199:2011 (SABS 1199) The production of mageu Ed 2.03 A4 16p EN PDF 16p EN	Gr 7 67.060: 67.160.10			
Covers the production and quality of mageu. Am 1(National), 2002-08-30 Am 2(National), 2007-04-20	Am 3(National), 2011-12-09			
SANS 1200 (ALL PARTS):1986 (SABS 1200 (ALL PARTS))				
Ed A4 562p EN Loose-leaf, binder included	Ged. Only available as hardcopy or CD-ROM) Gr 113 93.010; 93.020			
SANS 1200 A:1986 (2002-07-30) (SABS 1200 A) Standardized specification for civil engineering construction Section A: Gen	neral			
Ed 3.00 A4 13p EN Loose-leat PDF 13p EN	Gr 6 93.010			
Covers the principles, responsibilities and requirements generally applicable to all	civil engineering construction and building works.			
SANS 1200 AA:1986 (2002-07-30) (SABS 1200 AA) Standardized specification for civil engineering construction Section AA: Ge Ed 3.00 A4 10p EN Loose-leaf PDE 10p EN	eneral (small works) Gr 5 on one			
93.020 Covers the same ground as is covered by SABS 1200 A but applies to civil engineering construction and building work on small projects such as piling, drilling and sportsfield contracts, and on buildings, bridges and similar isolated structures, and other minor works.				
SANS 1200 AB:1986 (2002-07-30) (SABS 1200 AB) Standardized specification for civil engineering construction Section AB: Er Ed 3.00 A4 7p EN Loose-leaf	Gr 5			
Covers the requirements for a scheduled number of identical offices and for assoc	93.010			
SANS 1200 AD:1986 (2002-07-30) (SABS 1200 AD) Standardized specification for civil engineering construction Section AD: Ge Ed 2.00 A4 9p EN Loose-leaf PDF 9p EN	eneral (Small dams) Gr 5 93.020			
Covers the general responsibilities and requirements applicable to the construction International Commission on Large Dams (ICLD).	covers the general responsibilities and requirements applicable to the construction of small dams of height up to 15 m, as defined by the nternational Commission on Large Dams (ICLD).			
SANS 1200 AH:1986 (2002-07-30) (SABS 1200 AH) Standardized specification for civil engineering construction Section AH: Ge Ed 3.00 A4 11p EN Loose-leaf	Gr 6			
93.010 Sovers the principles, general responsibilities and requirements applicable to the construction or fabrication and erection of a structure or a group of structures in concrete (in situ, precast or prestressed), steel, aluminium or structural timber.				
SANS 1200 C:1980 (2002-07-30) (SABS 1200 C)				
Standardized specification for civil engineering construction Section C: Site Ed 1.00 A4 8p EN Loose-leaf PDF 8p EN	e clearance Gr 5 93.020			
Covers the removal of vegetation, boulders of size up to 0,15 m and surface obstr their basements, if any) not directly associated with or incidental to any excavation Am 1(National), 1982-05-01	ructions, and the demolition and removal of structures (including n.			
SANS 1200 D:1988 (2002-07-30) (SABS 1200 D) Standardized specification for civil engineering construction Section D: Ea	rthworks			
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Ed 3.00 A4 19p EN Loose-leaf PDF 19p EN	Gr 11 93.020			
Covers earthworks carried out with heavy plant or light plant or by hand, for gene the requirements for site works, excavations for foundations for bridges, building materials, site clearance, excavation, filling and compaction and finishing are de Am 1(National), 1990-08-23	eral excavations, short trenches, terracing and landscaping. Covers s and general structures. Safety precautions, classification of alt with.			
SANS 1200 DA:1988 (2002-07-30) (SABS 1200 DA)				
Standardized specification for civil engineering construction Section DA: E Ed 3.00 A4 15p EN Loose-leaf PDF 15p EN	Earthworks (small works) Gr 10 93.020			
Covers the minimum requirements for earthworks for limited terracing (e.g. for a reservoir), for short lengths of cut and fill operations, and for the excavation, dis bridges or manholes). Covers safety and protection, classification of material and Am 1(National), 1990-08-23	single sportsfield or an embankment round a medium sized posal and backfilling of foundations for isolated structures (e.g. d moderate compaction.			
SANS 1200 DB:1989 (2002-07-30) (SABS 1200 DB)				
Standardized specification for civil engineering construction Section DB: E Ed 3.00 A4 18p EN Loose-leaf	Earthworks (pipe trenches) Gr 9			
PDF 18p EN Covers earthworks for trenches for all types and sizes of pipe. Covers excavation	93.020 n, the preparation of a trench bottom, backfilling and the			
SANS 1200 DE:1984 (2002-07-30)				
(SABS 1200 DE) Standardized specification for civil engineering construcion Section DE: S	mall earth dams			
Ed 1.00 A4 15p EN Loose-leaf PDF 15p EN	Gr 7 93.020			
Covers the requirements for the construction of small earth dams of height up to (ICLD). Covers site clearing, safety precautions, excavation and the selection, pl embankment.	15 m as defined by the International Commission on Large Dams acing and compacting of materials in the various zones of the			
SANS 1200 DK:1996 (2002-07-30) (SABS 1200 DK)				
Standardized specification for civil engineering construction Section DK: C Ed 3.00 A4 11p EN Loose-leaf PDF 11p EN	Gabions and pitching Gr 7 93.020			
Covers the construction of gabions and stone pitching for the protection of earth retaining walls, channel linings and the like, and covers light to heavy pitching, w	works against erosion. Covers gabion walls and aprons used as ith and without mortar.			
SANS 1200 DM:1981 (2002-07-30) (SABS 1200 DM)				
Standardized specification for civil engineering construction Section DM: I Ed 1.00 A4 16p EN Loose-leaf PDF 16p EN	Earthworks (roads, subgrade) Gr 7 93.020; 93.080.10			
Covers earthworks in urban and industrial areas, up to the stage where the subg the shoulders, in relation to the following: a) The construction of the subgrade in construction of gravel road surfaces (except where SABS 1200 ME forms part of	rade is ready for the placing of the subbase or base (or both) and new roads; b) the reconstruction of existing roads; and c) the the contract document).			
SANS 1200 DN:1982 (2002-07-30) (SABS 1200 DN)				
Standardized specification for civil engineering construction Section DN: E Ed 2.00 A4 10p EN Loose-leaf PDF 10p EN	Earthworks (railway sidings) Gr 5 93 020: 93 100			
Covers earthworks for the construction of sidings to be used for the conveyance (SAR) onto and in private property whether by SAR or private locomotives. Cove excavations for culverts and drainage.	of railway traffic from main lines of the SA Transport Services rs cut-to-fill operations for tracks and marshalling yards and			

NUMERICAL LIST OF STANDARDS		
SANS 1200 F:1983 (2002-07-30) (SABS 1200 F) Standardized specification for civil engineering construction Section F: Pilin Ed 1.00 A4 18p EN Loose-leaf PDF 18p EN	g Gr 7 93.020	
Covers the construction, in a subsoil, of piles of concrete or steel or a combination	of these materials.	
SANS 1200 G:1982 (2002-07-30) (SABS 1200 G) Standardized specification for civil engineering construction Section G: Con Ed 1.00 A4 19p EN Loose-leaf PDF 19p EN	crete (structural) Gr 8 91.080.40; 93.010	
Covers the requirements for the structural concrete work (plain and reinforced) for materials, plant and formwork required, the quality, manufacture and curing of con criteria.	civil engineering and building construction. Covers the basic crete, tolerances in workmanship and tests and acceptance	
SANS 1200 GA:1982 (2002-07-30)(SABS 1200 GA)Standardized specification for civil engineering construction Section GA: CoEd 2.00 A4 14p EN Loose-leaf PDF 14p ENCovers the requirements for concrete (plain and reinforced) for small works associthe basic materials, plant and formwork required, the quality, manufacture and cur	Gr 6 91.080.40; 93.020 ated with pipelines, roads, railways, pump stations, etc. Covers ing of concrete, tolerances in workmanship, and testing.	
SANS 1200 GB:1984 (2002-07-30) (SABS 1200 GB) Standardized specification for civil engineering construction Section GB: Co Ed 1.00 A4 16p EN Loose-leaf PDF 16p EN	Gr 7 91.080.40; 93.010	
Covers concrete, formwork, reinforcement, etc., for foundations, structures and wa and having formed concrete surfaces that are normally to be plastered or painted i Err 1(National), 1984-11-01	all panels of ordinary buildings of floor area up to about 2000 m If not otherwise hidden from view.	
SANS 1200 GE:1984 (2002-07-30) (SABS 1200 GE) Standardized specification for civil engineering construction Section GE: Precast concrete (structural) Ed 1.00 A4 9p EN Loose-leaf Gr 5 PDE 9p EN 01 090 40: 00 010		
Covers the requirements for precast concrete that is reinforced normally or that is 1200 GF.	to be prestressed in accordance with the requirements for SABS	
SANS 1200 GF:1984 (2002-07-30)(SABS 1200 GF)Standardized specification for civil engineering construction Section GF: PreEd 1.00 A4 14p EN Loose-leaf PDF 14p ENCovers requirements for prestressed concrete construction by means of pretension	estressed concrete Gr 6 91.080.40; 93.010 ning or post-tensioning.	
SANS 1200 H:1990 (2002-07-30) (SABS 1200 H) Standardized specification for civil engineering construction Section H: Stru Ed 3.00 A4 15p EN Loose-leaf PDF 15p EN	ctural steelwork Gr 9 91.080.10; 93.010	
Covers structural steelwork generally for buildings and other structures, except point side cladding (see SABS 1200 HB), or ladders, catwalks, handrails and light trusse	rtal cranes and road and rail bridges. Does not cover roof and es (see SABS 1200 HA).	
SANS 1200 HA:1990 (2002-07-30) (SABS 1200 HA) Standardized specification for civil engineering construction Section HA: Str	ructural steelwork (sundry items)	
Ed 2.00 A4 8p EN Loose-leaf PDF 8p EN	Gr 7 91.080.10; 93.010	
Covers steelwork for simple structures (normally single storey but not more than d catwalks, prefabricated open grid floors, handrails, etc., that are usually fabricated	ouble storey), overhead sign frames, light trusses, ladders, from commercial quality steel.	

SANS 1200 HB:1985 (2002-07-30) (SABS 1200 HB)	
Standardized specification for civil engineering construction Section HB: Cla	dding and sheeting
Ed 1.00 A4 12p EN Loose-leaf	Gr 6
PDF 12p EN	91.080.10; 93.010
Covers the roofing and cladding of structures using profiled roofsheeting and side of glass-reinforced polyester.	cladding manufactured from steel, aluminium, fibre-cement and
SANS 1200 HC:1988 (2002-07-30)	
(SABS 1200 HC)	
Standardized specification for civil engineering construction Section HC: Co	rrosion protection of structural steelwork
Ed 1.00 A4 11p EN Loose-leaf	Gr 8
PDF 11p EN	25.220.01: 91.080.10: 93.010
Covers the execution of work entailed in the corrosion protection of structural steel	work
SANS 1200 HE:1983 (2002-07-30) (SABS 1200 HE)	
Standardized specification for civil engineering construction Section HE: Str	uctural aluminiumwork
Ed 1 00 A4 9n EN Loose-leaf	Gr 5
PDF 9p EN	91 080 10: 93 010
accordance with SABS 0160, Section HE of Part 3 of SABS 0120, and CP 118.	uctural aluminium elements that have been designed in
SANS 1200 L:1983 (2002-07-30)	
(SABS 1200 L)	
Standardized specification for civil engineering construction Section L: Medi	um-pressure pipe lines
Ed 2.00 A4 17p EN Loose-leaf	Gr 7
PDF 17p EN	23.040.01; 93.020
Covers the supply and installation of ninelines of diameter up to 1000 mm, complete	te with ancillary works, for transporting water and sewage under
working pressures of up to 2.5 MPa.	te with anomaly works, for transporting water and sewage under
SANS 1200 LB:1983 (2002-07-30)	
(SABS 1200 LB)	
Standardized specification for civil engineering construction Section LB: Bed	Iding (pipes)
Ed 2.00 A4 15p EN Loose-leaf	Gr 7
PDF ISP EN	23.040.01; 93.020
Covers the bedding (bedding cradle and selected fill blanket) for buried pipes carry	ing fluids under pressure or gravity.
SANS 1200 LC:1981 (2002-07-30) (SARS 1200 LC)	
Standardized specification for civil engineering construction Section I C: Cal	ale ducts
Ed 1 00 A4 10n EN Loose-leaf	Gr 5
PDF 10p EN	29 120 10: 93 020
Covers the supply and the laying and bedding in trenches of pipes as ducts for the	protection of telephone and electric power cables.
SANS 1200 LD:1982 (2002-07-30)	
(SABS 1200 LD)	
Standardized specification for civil engineering construction Section LD: Sev	vers
Ed 2.00 A4 19p EN Loose-leaf	Gr 8
PDF 19p EN	91.140.80; 93.020
Covers the general construction requirements for sewerage systems including mar and ancillary works.	holes and the like but excluding pump stations, treatment works
SANS 1200 F-1982 (2002-07-30)	
(SABS 1200 LE)	
Standardized specification for civil engineering construction Section LF: Sto	rmwater drainage
Ed 2.00 A4 12p EN Loose-leaf	Gr 6
PDF 12p EN	91,140,80: 93,020
Covers the construction of stormwater drainage systems and ancillary works	
Sovers the construction of stornwater utallage systems and anchiary WORS.	

NUMERICAL LIST OF STANDARDS		
SANS 1200 LF:1983 (2002-07-30) (SABS 1200 LF) Standardized specification for civil engineering construction Section LF: Erf Ed 1.00 A4 9p EN Loose-leaf	connections (water) Gr 5	
PDF ['] 9p EN	91.140.60; 93.020	
pipework, meters and the making of connections.	nes of (of other specified points on) individual erven. Covers the	
SANS 1200 LG:1983 (2002-07-30) (SABS 1200 LG) Standardized specification for civil engineering construction Section LG: Pip Ed 1.00 A4 10p EN Loose-leaf PDF 10p EN	be jacking Gr 5 23.040.01; 93.020	
Covers the insertion by jacking, of pipelines of diameter not exceeding 3 m, under interfering with the normal flow of traffic.	roads, railways and the like without disturbing the surface or	
SANS 1200 M:1996 (2002-07-30) (SABS 1200 M) Standardized specification for civil engineering construction Section M: Roa Ed 2.00 A4 33p EN Loose-leaf PDF 33p EN Covers definitions, materials, tolerances and testing applicable to the construction roads.	i ds (general) Gr 12 93.080.01 of the controlled layers and surfacing of urban and industrial	
SANS 1200 ME:1981 (2002-07-30) (SABS 1200 ME) Standardized specification for civil engineering construction Section ME: Su Ed 1.00 A4 14p EN Loose-leaf PDF 14p EN	Ibbase Gr 6 93.080.10	
Covers the requirements for subbase and gravel wearing courses for roads, should classification, placing, compaction and finishing of approved soil, natural gravel and	ders, footways and paved areas. Covers procuring, furnishing, Id processed gravel.	
SANS 1200 MFL:1996 (2002-07-30) (SABS 1200 MFL) Standardized specification for civil engineering construction Section MFL: B Ed 1.00 A4 12p EN Loose-leaf PDF 12p EN	Base (light pavement structures) Gr 8 93.080.20	
Covers the requirements for base for light pavement structures, shoulders, footways and paved areas of category C and D in accordance with TRH 4 and category UC and UD in accordance with UTG 3. Covers the procuring, furnishing, classification, placing, compaction and finishing of approved natural gravel, stabilized gravel or crushed stone, and waterbound macadam.		
SANS 1200 MF:1981 (2002-07-30) (SABS 1200 MF) Standardized specification for civil engineering construction Section MF: Ba Ed 1.00 A4 12p EN Loose-leaf PDF 12p EN	I se Gr 6 93 080 10	
Covers the requirements for base for roads, shoulders, footways and paved areas compaction and finishing of approved natural gravel, stabilized gravel or crushed s	, and also the procuring, furnishing, classification, placing, stone, and waterbound macadam.	
SANS 1200 MG:1996 (2002-07-30) (SABS 1200 MG) Civil engineering construction Section MG: Bituminous surface treatment Ed 2.00 A4 17p EN Loose-leaf PDF 17p EN	Gr 9 93.080.20	
Covers the preparation and priming of a base and 4 types of bituminous surface tr treatment, bituminous surface treatment, single surface treatment and sand seal Cor 1(National), 1996-09-09	eatment for roadways and other paved areas, viz. double surface bituminous surface treatment.	
SANS 1200 MH:1996 (2002-07-30) (SABS 1200 MH) Civil engineering construction Section MH: Asphalt base and surfacing Ed 3.00 A4 21p EN Loose-leaf PDF 21p EN	Gr 10 91.100.50; 93.080.20	
Covers the priming of the subbase or base and the construction of 2 types of hot-r	nix asphalt base and surfacing, viz, contingually graded asphalt.	

Covers the priming of the subbase or base and the construction of 2 types of hot-mix asphalt base and surfacing, viz. continously graded asphalt, and gap-graded and open-graded asphalt which, in the case of surfacing, includes rolled-in pre-coated chips or a friction course of open-graded asphalt.

Ed 1.00 A4 9p EN Loose-leaf	Gr 5
FDF 9p EN	93.080.20
Covers the paving of roads and other areas with precast concrete segue with a jointing sand.	mental blocks laid closely together, the joints between the units being filled
SANS 1200 MK:1983 (2002-07-30) (SABS 1200 MK)	
Standardized specification for civil engineering construction Sec	tion MK: Kerbing and channelling
Ed 1.00 A4 11p EN Loose-leaf PDF 11p EN	Gr 6 93.080.10
Covers the construction of mountable, semi-mountable and barrier ker by conventional methods or extruded in situ by means of special plant	rbing and of channeling, as well as edging and chutes, that are precast in situ .
SANS 1200 MM:1984 (2002-07-30) (SABS 1200 MM)	
Standardized specification for civil engineering construction Sector	tion MM: Ancillary roadworks
Ed 1.00 A4 15p EN Loose-leaf PDF 15p EN	Gr 7 93.080.10
Covers the supply and installation of metal W-section guardrails for roa carriageways, ramps and cross roads, and the permanent marking of and fixing of retro-reflective road studs.	ads, the supply and erection of permanent road signs alongside and over road surfaces with white or yellow painted lines and symbols and the supply
SANS 1200 NB:1981 (2002-07-30) (SABS 1200 NB)	
Standardized specification for civil engineering construction Sec	tion NB: Railway sidings (trackwork)
Ed 1.00 A4 19p EN Loose-leaf	Gr 8
PDF 19p EN	93.100
Covers the construction of railway private sidings including trackwork, and maintenance of railway private sidings, all in accordance with the turnout where this has been supplied and installed by the SAR, or a pa	track renewal, rerailing, resleepering, re-laying of tracks, and the upgrading requirements of the SAR. Covers construction from the end of the take-off arty other than the SAR.
SANS 1201:2005 (2011-05-27) The application of rubber linings to pipes, pipe fittings and vesse	Is
Ed 1.00 A4 20p EN	Gr 8
PDF 20p EN	23.040.10; 83.060
Covers the application of rubber lining to pipes, pipe fittings and other can be accepted for lining.	vessels, and specifies requirements for pipes, pipe fittings and vessels that
SANS 1202:2011 / ISO 7389:2002	
Building construction - Jointing products - Determination of elast	tic recovery of sealants
Ed 1.00 A4 9p EN PDF 9p EN	Gr 6
Specifica a method for the determination of the electic receivery of eas	91.100.50
Specifies a method for the determination of the elastic recovery of sea	
SANS 1203:2011 / ISO 7390:2002	
Building construction - Jointing products - Determination of resis	stance to flow of sealants
Ed 1.00 A4 8p EN	Gr 6
Specifies a method for the determination of the resistance to flow of se	91.100.50 ealants, by loss of cohesion under their own weight.
SANS 1204:2011 / ISO 8339:2005	
Building construction - Sealants - Determination of tensile proper	rties (Extension to break)
PDF 11p EN	Gr 7 91 100 50
Specifies a method for the determination of the tensile properties of se	ealants used in joints in building construction.
SANS 1205:2011 / ISO 8340:2005 Building construction - Scalante - Determination of tensile preserve	ties at maintained extension
Ed 1.00 A4.10n EN	Gr 6
PDF 10p EN	91.100.50
Specifies a method for the determination of the tensile properties at m	aintained extension of sealants used in joints in building construction
	and and one of contains about in jointe in building construction.

Standardized specification for civil engineering construction Section MJ: Segmented paving

SANS 1200 MJ:1984 (2002-07-30)

(SABS 1200 MJ)

SANS 1206-2005 / ISO 1	206-2001 (2010-04-30)	
Rolling bearings - Need	le roller bearings, dimension series 48, 49 and 6	69 - Boundary dimensions and tolerances
Ed 1.00 A4 14p EN PDF 14p EN		Gr 7 21.100.20
Specifies boundary dimer (published in South Africa	nsions and normal class tolerances for needle roller a as an identical adoption under the designation SA	r bearings of dimension series 48, 49 and 69 as given in ISO 15 NS 445).
SANS 1207:1998		
(SABS 1207) Braking		
Ed 1.04 A4 65p EN		Gr 14
PDF 65p EN		43.040.40
79/489/EEC:1979, MOD; Covers braking systems of intended for use on public mass not exceeding 230 disabled persons.	74/132/EEC:1974, MOD; ECE R13,REV 3:9999, M of motor vehicles and trailers, with or without bodyw c roads. Does not cover vehicles that run on rails, a kg and that are designed and constructed, i.e. not r	IOD; 71/320/EEC:1971, MOD; 75/524/EEC:1975, MOD rork, having a maximum design speed exceeding 35 km/h, and gricultural tractors and machinery or vehicles having a gross vehicle nerely adapted, solely for the conveyance of physically handicapped or
Am 1(National), 1978-06 Am 4(National), 1998-10	-01 Am 2(National), 1990-02-01 -09	Am 3(National), 1994-03-01
SANS 1209:2008		
Pipe holderbats		
Ed 1.01 A4 13p EN		Gr 6
PDF 13p EN		23.040.40
Covers 3 types of two-pie pipes complying with SAN Am 1(National), 2008-11	ce holderbats for use in the installation of steel or c IS 460. -21	ast iron pipes complying with SANS 62-1 or SANS 746 and copper
SANS 1210:2007 (2012-0 (SABS 1210))6-01)	
Hexagon wrench keys		
Ed 1.01 A4 10p EN PDF 10p EN		Gr 5 25 140 30
Covers the material, dime	ensional, and mechanical strength requirements for	hexagon wrench keys (Allen keys) in sizes ranging from 2 mm to 36
Am 1(National), 2007-05	-18	
SANS 1211:2007 (2012-0 (SABS 1211))6-01)	
Adjustable wrenches		
Ed 1.02 A4 11p EN PDF 11p EN		Gr 6 25 140 30
Covers the requirements	for the material, construction, type of finish and per	formance of 2 types of adjustable wrenches in sizes ranging from 100
mm to 600 mm.	· · · · · · · · · · · · · · · · · · ·	
Am 1(National), 1987-06	-01 Am 2(National), 2007-05-18	
SANS 1212:2005 (2011-0 (SABS 1212)	13-25)	
The National Flag		
Ed 2.04 A4 22p EN PDF 22p EN		Gr 8 03.160; 59.080.99
Covers three types of the held in the hand. Require is made to the flying and	National Flag: an external flag for flying from a flag ments for the component materials, the colours an use of the flag.	pole; a desk flag with a pole and a base; and a flag with a pole to be d the make are laid down and test methods are included. Reference
Am 1(National), 2000-02 Am 4(National), 2005-02	-25 Am 2(National), 2000-09-08 -04	Am 3(National), 2001-10-12
SANS 1213:2011 (SABS 1213)		
Mechanical cable gland	S	
Ed 2.00 A4 18p EN		Gr 7
	machanical apple glands for the attackment of appl	29.100.20

Covers requirements for mechanical cable glands for the attachment of cables that comply with the requirements of the relevant parts of SANS 1507, SANS 1520-1, SANS 1520-2, or the relevant parts of SANS 1574 for electrical apparatus, including explosion protected (Ex) enclosures that are dust-ignition-proof, or hose-proof, or both.

SANS 1215:2008 (SABS 1215) Concrete masonry units		
Ed 1.04 A4 22p EN PDF 22p EN		Gr 8 91.100.30
Covers precast solid and precast hollow Am 1(National), 1984-11-01 Am 4(National), 2008-04-04	concrete masonry units for use in walling. Am 2(National), 1985-11-01	Am 3(National), 1990-04-01
SANS 1216:2002 (SABS 1216)		
Solvent-emulsion degreasers		
Ed 2.02 A4 22p EN PDF 22p EN		Gr 10 71.100.40
Specifies the requirements for 3 types of painted and unpainted surfaces of comp by used during the cleaning process. The bearings, winding steel cables or aircraft	f solvent-emulsion degreasers containing of onents, machinery and engines that are so e degreasers are not intended for use on e and aircraft components.	detergents and organic solvents intended for the cleaning of oiled with oil, grease and similar soils, and on which water may electrical equipment, delicate machine parts, rolling element
Am 1(National), 1997-06-09	Am 2(National), 2002-03-08	
SANS 1217:2011 (SABS 1217)		
Internal and external organic coating	protection for buried steel pipelines	
Ed 2.00 A4 30p EN PDF 30p EN		Gr 9 23 040 10: 25 220 60
Specifies requirements for the applicatio pipes.	n, selection and inspection of protective or	rganic coatings to the inside or the outside (or both) of steel
SANS 1218:2008		
(SABS 1218)		
Ed 1.05 A4.105 EN		Cr F
PDF 10p EN		75.120
Covers eight viscosity grades (based or and anti-wear properties and suitable for	n the classification system given in SANS 3 r use in hydraulic systems.	3448) of mineral oil with enhanced anti-oxidant, anti-corrosion
Am 1(National), 1989-02-01 Am 4(National), 2005-03-18	Am 2(National), 1991-05-01 Am 5(National), 2008-01-25	Am 3(National), 1996-11-25
SANS 1219:2007 (2012-06-01) (SABS 1219)		
		Cr 7
PDF 17p EN		25.100.40
Covers 5 types of steel hand hacksaw bl	lades of nominal length 300 mm and that h	have a single-toothed edge.
Am 1(National), 1990-11-01 Am 4(National), 1997-02-17	Am 2(National), 1994-10-01 Am 5(National), 2007-06-15	Am 3(National), 1996-04-15
SANS 1220:2011 / ISO 11600:2002 Building construction - Jointing produ	ucts - Classification and requirements f	or sealants
Ed 1.00 A4 13p EN		Gr 7
PDF 13p EN		91.100.50
Specifies the types and classes of seala	nts used in building construction according	g to their applications and performance characteristics.
SANS 1221:2000 (SABS 1221)		
Detergent skin cleansers		0.0
PDF 10p EN		71.100.40; 71.100.70
Specifies the characteristics of three typ	es of detergent skin cleanser that are suita	able for use in detergent dispensers.
SANS 1221-1:2012 Skin cleansers Part 1: Detergent skin	cleansers	
Ed 1.00 A4 11p EN		Gr 6
Specifies the characteristics of two types	s of detergent skin cleanser suitable for us	/1.100.40; /1.100./0 e in detergent dispensers.

SANS 1223:2010 (SABS 1223)		
Fibre-cement pressure pipes and co	uplings	
Ed 2.02 A4 27p EN		Gr 9
PDF 27p EN		23.040.50; 23.040.60; 91.100.40
Covers fibre cement (FC) pipes and co couplings that are manufactured essen Am 1(National), 2003-06-27	uplings of nominal diameter not exc tially from an intimate mixture of hyd Am 2(National), 2010-03-26	eeding 1 000 mm, intended for use under pressure. Covers pipes and draulic binders, fibres and water, with or without additions.
SANS 1224-2006 (2011-08-15)		
(SABS 1224)		
Polish stripper		
Ed 1.03 A4 11p EN		Gr 6
PDF 11p EN		71.100.40
covers an ammoniated type and a non- wax coatings from all types of floor othe	ammoniated type of polish stripper er than unsealed wood and cork floo	that are both suitable for use in the removal of polymer coatings and rs.
Am 1(National), 1991-05-01	Am 2(National), 2002-09-05	Am 3(National), 2006-12-08
SANS 1225:1985 (1999-11-10) (SABS 1225)		
Ammoniated liquid detergent cleane	r	
Ed 1.00 A4 11p EN		Gr 8
PDF 11p EN		71.100.40
Covers a cleaner, containing a mild abr coating of polish. Specifies pH value, c content and storage stability.	asive, suitable for the cleaning of ha consistency, viscosity, fineness of at	ard surfaces, but not suitable for the cleaning of floors that have a orasive compound, abrasive number, cleaning efficiency, free ammonia
Am 1(National), 1989-11-01 Am 4(National), 1998-10-30	Am 2(National), 1993-06-01	Am 3(National), 1995-03-01
SANS 1226:2011 / ISO 9046:2002		
Building construction - Jointing proc	ducts - Determination of adhesion	cohesion properties of sealants at constant temperature
Ed 1.00 A4 8p EN		Gr 6
PDF ⁸ p EN		91.100.50
Specifies a method for the determination joints in building construction.	on of the adhesion/cohesion properti	es of sealants with predominantly plastic behaviour whichare used in
SANS 1227:2005 (2010-06-17) (SABS 1227)		
Textured wall coatings, emulsion ba	se, for interior and exterior use	
Ed 1.04 A4 19p EN		Gr 8
PDF 19p EN		87.040
Covers the requirements for general pu The coatings are intended for use on co shutter concrete surfaces, brickwork, st	rpose pigmented wall coatings that razed concrete and plaster surfaces one and fibre cement.	have an emulsion base and are suitable for interior and exterior use. to obliterate hair-line cracks and to prevent their recurrence, and on off-
Col 2(National), 1999-12-10 Am 3(National), 2005-06-24	Am 1(National), 2001-10-18	Am 2(National), 2004-06-11
SANS 1228:2012 (SABS 1228)		
Abrasion-resistant polymeric gloves	: Lined type	
Ed 2.02 A4 31p EN		Gr 10
PDF 31p EN		13.340.40; 83.140.99
Specifies requirements for the type, dea fabric-lined polymeric material which m Am 1(National), 2009-01-23	sign, construction, materials, dimena ay be a plasticised poly(vinyl chlorid Am 2(National), 2012-06-01	sions, and service-related properties of protective gloves made from le)(PVC-P) or a synthetic rubber.
SANS 1231:1993 (1999-03-18) (SABS 1231)		
The production of half-concentrated	Darrow's solution with dextrose	for injections
Ed 2.00 A4 13p EN		Gr 8
PDF 13p EN		11.120.10

Covers the requirements for the production of a sterile solution of sodium lactate, potassium chloride, sodium chloride and anhydrous dextrose in water for injections. Requirements are given for the factory, product, packing, filling, sterilization and marking.

SANS 1232:1993 (1999-03-18)		
(SABS 1232) The production of codium bioarbonate injections of various strengths		
Ed 2 00 A4 11p EN	Gr 8	
PDF 11p EN	11.120.10	
Covers the requirements for the production of sterile solutions of sodium bicarbona product, packing, filling, sterilization and marking.	ate in water for injections. Requirements are given for the factory,	
SANS 1233:1993 (1999-03-18) (SABS 1233)		
The production of a balanced solution of electrolytes for injection		
Ed 2.00 A4 8p EN	Gr 8	
PDF 8p EN	11.120.10	
Covers the requirements for the production of a sterile solution of sodium chloride, chloride in water for injections. Requirements are given for factory, product, packin	potassium chloride, sodium bicarbonate and magnesium g, filling, sterilization and marking.	
SANS 1235:2007		
(SABS 1235)		
Borehole cylinders		
Ed 1.02 A4 13p EN PDF 13p EN	Gr 6	
	21.160	
Mm. Am 2(National), 1080-08-01	perated borenole cylinders of nominal sizes 44,5 mm to 150	
Am I(National), 1960-06-01 Am 2(National), 2007-11-23		
SANS 1236:2005 (SABS 1236)		
Silvered glass mirrors for general use		
Ed 1.01 A4 8p EN PDF 8p FN	Gr 5	
	81.040.30	
optical quality, silver, copper and organic coatings, and resistance to salt fog. Am 1(National), 2005-09-23	general use. Specifies requirements for general appearance,	
SANS 1237:2012 (SABS 1237)		
Single-stage regulators for liquefied petroleum gas (LPG)		
Ed 3.02 A4 26p EN	Gr 9	
PDF 26p EN	23.060.40; 75.160.30	
Specifies performance, safety and constructional requirements for regulators of the single-stage type intended for use with liquefied petroleum gas mixtures in the vapour phase and designed for a set outlet pressure of 2,8 kPa and a flow not exceeding 10 kg/h. Also specifies requirements for inlet and outlet connections of fixed and variable pressure regulators used with liquefied petroleum gas mixtures in the vapour phase and designed for a flow not exceeding 10 kg/h. Also specifies requirements for outlet pressure greater than 2,8 kPa and a flow not exceeding 10 kg/h.		
Am (National), 2007-10-05 Am 2(National), 2012-05-50		
SANS 1238:2005 (SABS 1238)		
Air-conditioning ductwork	0.44	
Ed 2.00 A4 4/p EN PDF 47p FN	Gr 11	
Covers the material, constructional and dimensional requirements for steel and alu	minium ductwork (together with fittings and dampers) of	
SANS 1239:2004 (2009-06-26)	erate at low, medium and high pressures.	
(SABS 1239)		
Plugs, socket-outlets and couplers for industrial purposes		
Ed 2.02 A4 8p EN	Gr 5	
гыг ор ем	29.120.30	
Specifies requirements for plugs, socket-outlets, cable couplers and appliance cou	plers, intended for use in industry (either indoors or outdoors), in	

agriculture, and on board ship, with single-phase and three-phase supplies, at a d.c. operating voltage or an a.c. r.m.s. operating voltage not exceeding 690 V, a frequency not exceeding 500 Hz and a rated current not exceeding 250 A. The accessories are intended for continuous use at an ambient temperature that does not normally exceed 40 °C. Covers also appliance sockets (inlets) incorporated in, or fixed to, electrical appliances or electrical equipment and accessories for use in extra-low-voltage industrial installations.

Am 1(National), 2001-10-05 Am 2(National), 2004-07-09

SANS 1240:2010 (SABS 1240)	
Automatic shut-off flush valves for water closets and urinals	
Ed 2.02 A4 12p EN	Gr 6
PDF 12p EN	23.060.20; 91.140.70
Covers the requirements for automatic shut-off flush valves for water closets and u Am 1(National), 2006-10-06 Am 2(National), 2010-08-27	rinals that are intended for supplying a pre-set amount of water.
CANS 12/11/2010	
(SARS 1241)	
Aluminium sulfate for general purposes	
Ed 2.01 A4 16p EN	Gr 7
PDF 16p EN	71.060.50
Covers four grades of aluminium sulfate supplied in liquid form and in the solid form Am 1(National), 2010-03-31	n as kibbles, coarse granules, fine granules, and powder.
SANS 1242:2008	
(SABS 1242) Pantihose and knee-highs	
Fd 2.02 A4 12n FN	Gr 6
PDF 12p EN	61.020
Specifies the materials and make of pantihose and knee-highs. Col 1(National), 1999-04-16 Am 1(National), 2008-05-09	
SANS 1243:2010	
(SABS 1243) Prossurized paraffin fuelled appliances	
Ed 4.00 A4.18p EN	Gr 7
PDF 18p EN	25.160.50: 97.040.50
Covers the requirements for the construction, operation and safe use of paraffin-fur kPa/gauge and with a maximum heat rating of 3,5 kW per burner head. It does not	elled appliances with a working gauge pressure that exceeds 2 cover the packaging or handling of the paraffin.
SANS 1244:2010 (SABS 1244)	
Tubular steel framed chairs and stools	
Ed 1.02 A4 27p EN	Gr 9
PDF 27p EN	77.140.75; 97.140
Covers the requirements (and the corresponding test methods) for the materials, constrained to a stools of various types, and that are intended mainly for domestic, office or recreated Am 1(National), 1981-05-01 Am 2(National), 2010-05-07	onstruction, dimensions, finish and performance of chairs and ional use.
SANS 1245-2012	
Non-woven cleaning wipes	
Ed 1.00 A4 8p EN	Gr 5
PDF ⁸ p EN	59.080.30; 71.100.35
Specifies requirements for non-woven cleaning wipes.	
SANS 1246:2012	
Polypropylene grain bags	
Ed 1.00 A4 12p EN PDF 12p EN	Gr 6 55.080; 83.140.99
Covers the requirements for two types of bags made from slip-resistant tubular work component) and that are suitable for use for the handling, transportation and storage	ven fabric (of which polypropylene yarns are the major ge of whole grain (maize) and milled grain (maize meal).
SANS 1247:2005 / ISO 1247:1974 (2012-06-15) Aluminium pigments for paints	
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	87.060.10

Specifies the requirements and corresponding test methods for pigments composed of finely divided aluminium metal. It covers four types of aluminium pigments. Two types of pigments are further classified by their water-covering capacity. The pigments are suitable for use in general purpose, decorative and protective paints and speciality finishing paints.

Am 1(International), 2005-11-04

SANS 1248:2 (SABS 1248)	011		
Devices to p	revent the unauthorized u	se of motor vehicles (anti-theft dev	vices)
Ed 2.00 A4	7p EN		Gr 5
FDI	- / p = N		13.310; 43.040.60
Covers device intended for u tractors and n	es that are designed to prev se on public roads and that nachinery, and engineering	rent the unauthorized use of categorie have a maximum design speed exce plant.	es M1 and N1 motor vehicles, with or without bodywork, that are eeding 25 km/h, but excludes vehicles that run on rails, agricultural
SANS 1249:2 (SABS 1249)	007		
Knitted unifo	rm fabrics		
Ed 2.04 A4	16p EN		Gr 7
PDF	- 16p EN		59.080.30; 61.020
Specifies requ 6 is intended	uirements for six types of kr primarily for uniforms for ge	nitted fabrics. Types NKU 1 to NKU 5 eneral use.	(inclusive) are intended primarily for nurses' uniforms and type NKU
Col 1(Nationa Am 3(Nationa	al), 1999-04-16 al), 2007-05-25	Am 1(National), 2000-12-18	Am 2(National), 2005-08-12
SANS 1251:2	005 (2010-06-04)		
Engine cooli	na system protectors		
Ed 2.00 A4	10p EN		Gr 5
PDF	= 10p EN		43.060.30; 71.100.45
Covers glycol corrosion, low	-type compounds which, where the freezing point, and rate	nen added at adequate concentration aise the boiling point of the resultant of	s to water in engine cooling systems, provide protection against coolant.
SANS 1252-2	004 (2010-03-31)		
(SABS 1252)			
Passive ante	nnas for the reception of	VHF and UHF television and VHF s	sound transmissions
Ed 2.01 A4 · PDF	19p EN ⁻ 19p EN		Gr 8 33.120.40
Specifies the transmissions	characteristics of passive a . It does not cover self-con al), 2004-10-29	ntennas designed to be used out of c tained, "set top" or portable antennas	doors for the reception of VHF and UHF television and VHF sound .
SANS 1253:2	003 (2009-07-24)		
Fire-doors ar	nd fire-shutters		
Ed 3.00 A4 2	29p EN		Gr 9
PDF	⁼ 29p EN		13.220.20; 91.060.50
Covers the rep partitions, to p apply to fire d	quirements for six classes o provide a fire resistance of 3 ampers. (For fire dampers	of fire-doors and fire-shutter assembli 30 min or more in order to stop the sp refer to SANS 193).	ies that are intended to close permanent openings in walls or bread of fire and to limit the spread of smoke. This standard does not
SANS 1254:2 Fusible inter	012 lininas		
Ed 1.00 A4	12p EN		Gr 6
PDF	- 12p EN		59.080.30; 61.020
Covers require washable or d	ements for three types of fu Iry-cleanable garments.	isible interlinings, i.e. woven, non-wo	ven and knitted weft insert fabrics, that are suitable for use in
SANS 1255:2 (SABS 1255)	009		
Oven cleaner	r and grease remover		
Ed 2.00 A4	12p EN		Gr 6
PDF	⁻ 12p EN		71.100.40

Covers three types of oven cleaners and grease removers that are suitable for the removal of carbon deposits, grease, baked-on fats and other surface contaminants from industrial and domestic cooking ovens, grills, fryers and other steel kitchen equipment, but that are not intended for use in self-cleaning ovens. As type 1 and type 2 oven cleaners may contain solvents that are detrimental to health, it is recommended that these cleaners be used in well-ventilated areas and that prolonged breathing of the vapours be avoided. Oven cleaners that contain solvents in a quantity that is detrimental to health are not recommended for domestic use.

SANS 1259:2008 (SABS 1259) Dental casting gold alloys	
Ed 1.01 A4.9p EN	Gr 5
PDF 9p EN	11.060.10
Covers requirements for four types of gold Am 1(National), 2008-09-05	alloys used, in the form of castings for dental purposes (such as dental restorations and prostheses).
SANS 1260:2004 (SABS 1260)	
Invert bitumen emulsion	Cr F
PDF 7p EN	93.080.20
Covers one type of invert bitumen emulsion (within 48 h) characteristics are required. L penetration of the residue from distillation. Am 1(National) 2004-08-06	n intended for use as a primer on dry, firm and dust-free road bases, and especially where rapid drying ays down requirements for viscosity, water content, distillation, residue from distillation and the
SANS 1261-1:2008 Performance requirements for retail text	tiles Part 1. Household niece-goods and articles
Ed 2.01 A4 27p EN	Gr 9
PDF 27p EN	59.080; 59.080.30
Specifies performance requirements for real Am 1(National), 2008-04-11	tail textile household piece-goods and articles.
SANS 1261-2:2008	tiles Part 2. Disco-goods for women's and sirle' wear
Ed 2.01 A4.34n EN	Gr 10
PDF 34p EN	59.080; 59.080.30
Specifies performance requirements for rei Am 1(National), 2008-06-20	tail textile piece-goods used in the manufacturing of women's and girls' wear.
SANS 1261-3:2008	tiles Part 2. Discourseds for mon's and hous' wear
Ed 2.01 A4 23p EN	Gr 9
PDF 23p EN	59.080; 59.080.30
Specifies performance requirements for rel Am 1(National), 2008-06-27	tail textile piece-goods used in the manufacturing of men's and boys' wear.
SANS 1263-1:2006 (SABS 1263-1)	
Safety and security glazing materials for	r buildings Part 1: Safety performance of glazing materials under human impact
Ed 3.01 A4 23p EN	Gr 9
PDF 23p EN	81.040.20
Covers requirements for the performance a situations in buildings. It does not cover gla Am 1(National), 2006-08-18	and marking of glazing materials for use in potentially hazardous (with regard to human impact) azing materials under fire conditions.
SANS 1263-2:2007 (SABS 1263-2)	
Safety and security glazing materials for	r buildings Part 2: Burglar-resistant and vandal-resistant glazing materials
Ed 1.01 A4 8p EN	Gr 5
Covers requirements for the performance	81.040.20
not cover glazing materials treated at any p Am 1(National), 2007-11-30	blace other than the works of a manufacturer, after aging, or under fire conditions.
SANS 1263-3:2007 (SABS 1263-3)	
Safety and security glazing materials for	r buildings Part 3: Bullet-resistant glazing materials
Ed 1.02 A4 11p EN PDF 11p EN	Gr 6
Covers requirements for the performance a	and marking of bullet-resistant glazing materials for use in areas of buildings that may be subjected to
various levels of attack with firearms. Am 1(National), 1993-08-01 A	m 2(National), 2007-11-30

SANS 1264:2012 Garbage bin liners	
Ed 1.00 A4 16p EN	Gr 7
Specifies the general characteristics, requirements and test methods for garbage b a minimum of 10 % of post-consumer recyclate that ensures fitness for purpose.	bags and bin liners made from thermoplastic materials containing
SANS 1265:2009 (SABS 1265)	
Waxy oil obtained from the synthol process and from other petroleum source	25
Ed 1.03 A4 8p EN PDF 8p EN	Gr 5 71.100.50
Covers two types of waxy oil, for use in the blending of creosote/oil wood preservatAm 1(National), 1989-02-01Am 2(National), 1991-05-01	ive mixtures. Am 3(National), 2009-07-03
SANS 1266:2007 (2012-05-18) (SABS 1266)	
Ballasts for discharge lamps (excluding tubular fluorescent lamps)	
Ed 2.04 A4 9p EN PDF 9p EN	Gr 5
Specifies requirements for ballasts, including reference ballasts, for discharge lam	23.140.30
sodium vapour lamps, high-pressure sodium vapour lamps and metal-halide lamps	s such as high-pressure mercury vapour lamps, low-pressure
Am 1(National), 1997-06-23 Am 2(National), 2002-05-31 Am 3(National), 2007-04-20 Am 2(National), 2002-05-31	Cor 1(National), 2002-07-31
SANS 1267:2012 / CIE 126:1997	
Guidelines for minimizing sky glow	
Ed 1.00 A4 24p EN PDF 24p EN	Gr 10
Gives general guidance for lighting designers and also policy makers about the wa	29.140.40
reduced or even avoided. It also gives guidance for the design of lighting installatio	ns and lighting equipment.
SANS 1269:2012 (SABS 1269)	
Motor vehicle safety - Head restraints in passenger cars	
Ed 2.00 A4 10p EN	Gr 6
Applies to personalize the personal part of the form an integral part of the	43.040.80
that are intended for separate use, i.e. as individual equipment by adult occupants	of forward-facing seats.
SANS 1270:2007 (2013-01-18) (SABS 1270)	
General requirements for woven textile piece-goods and household articles	
Ed 3.01 A4 15p EN	Gr 7
PDF 15p EN	59.080.30
Covers general requirements for woven textile piece-goods and for the make-up of Am 1(National), 2007-08-31	household articles.
SANS 1271:1999 (SABS 1271)	
Mepivacaine hydrochloride injection for dental use	
Ed 3.00 A4 11p EN PDF 11p EN	Gr 7 11.060.10: 11.120.10
Specifies requirements for a sterile solution (in water for injections) of mepivacaine	hydrochloride for dental use.
SANS 1272:2007 (2012-12-14) (SABS 1272)	
Military webbing	
Ed 2.00 A4 15p EN PDF 15p EN	Gr 7 59.080.30; 95.020
Specifies requirements for five classes of woven cotton webbing for military use.	,

SANS 1273:2011 (SABS 1273) Fasteners for roof and wall coverings in the form of sheeting Ed 2.01 A4 31p EN

PDF 31p EN

Gr 10 21.060.01; 91.060.10; 91.060.20

Gr 10

Covers the material, dimensional, and mechanical strength requirements for 10 types of fasteners and 5 types of washers used in the building industry for fixing of roof and wall coverings in the form of sheeting. Am 1(National), 2011-01-21

SANS 1274:2005 (2010-06-17)

(SABS 1274) Coatings applied by the powder-coating process Ed 2.00 A4 37p EN

PDF 37p EN

25.220.60; 87.020; 87.040

Covers requirements for six types of powder coatings (based on resins of the thermosetting and thermoplastic types) on suitable substrates, and applied by the powder-coating process.

SANS 1275:2006 / ISO 1275:1995	and anno shake for knowed in sine an	4
Ed 1 00 A4 17p EN	and sprockets for transmission and	a conveyors
PDF 17p EN		21 220 30: 53 040 20
Specifies requirements for double-pitch those for their associated sprockets. Co chains are intended for use under less are derived.	precision roller chains suitable for the vers dimensions, tolerances, length r onerous conditions with respect to spe	e mechanical transmission of power and for conveyors together with neasurement, proof testing and minimum tensile strengths. The eed and power transmitted than are the base chains from which they
SANS 1281:2004 (2009-03-13) (SABS 1281) Rinse aid for use in dishwashing ma	chines	
Ed 1.02 A4 11p EN		Gr 6
PDF 11p EN		71.100.40; 97.040.40
Covers a liquid rinse aid for use in dishu and requirements for prohibited ingredie value, non-volatile matter content, ash o Am 1(National), 1985-02-01	washing machines to produce faster c ents, colour, odour and residual taste, content, foaming properties, surface to Am 2(National), 2004-06-24	lrying and eliminate water spotting and filming. General requirements stability, freedom from corrosiveness, corrosivenes to aluminium, pH ension, packing and marking are specified.
SANS 1283:2011 (SABS 1283) Modified poly(vinyl chloride) (PVC-M Ed 1.05 A4 40p EN PDF 40p EN) pressure pipe and couplings for c	old water services in underground mining Gr 10 23.040.20; 23.040.45; 73.100.99
Specifies the requirements for seven pr class of coupling for these pipes, suitab Am 1(National), 1992-11-01 Am 4(National), 2008-04-04	essure classes of modified poly(vinyl le for the conveyance of non-potable Am 2(National), 2001-07-06 Am 5(National), 2011-06-14	chloride) (PVC-M) pipe of nominal sizes 50 mm to 500 mm and one water. Am 3(National), 2002-09-27
SANS 1284:2007 (2012-06-01) (SABS 1284) Bow-saw frames and blades Ed 1.04 A4 10p EN PDF 10p EN		Gr 5 25.100.40
Covers the material, dimensional and fi Am 1(National), 1987-08-01 Am 4(National), 2007-04-13	nish requirements for bow-saw frame: Am 2(National), 1994-11-01	s of the lever pattern and bow-saw blades. Am 3(National), 1998-03-16
SANS 1285:2007 (2012-06-01) (SABS 1285) Woodworking saws for hand use Ed 1.03 A4 10p EN PDF 10p EN		Gr 5 79.120.20
Covers the material, dimensional and fi Am 1(National), 1984-06-01	nish requirements for 4 types and 2 q Am 2(National), 1991-08-01	uality classes of woodworking saws for hand use. Am 3(National), 2007-07-13

SATS 1286:2011	
Local goods, services and works - Measurement and verification of lo	cal content
Ed 1.00 A4 9p EN	Gr 5
PDF 9p EN	03.100.10; 03.120.20; 97.020
Specifies requirements and procedures to define, measure, declare and ver procurement and other purposes.	ify the local content of goods, services and works when required for
SANS 1287-1:2007	
(SABS 1287-1)	
Ventilation brattices and ducting Part 1: Flexible ducting	
Ed 1.01 A4 14p EN	Gr 6
	91.140.30
Covers 2 classes, heavy duty and general purpose, and 2 types, for forced	ventilation and for forced or exhaust ventilation, of flexible ducting for
Frr 1(National), 1980-05-01 Am 1(National), 2007-04-13	
SANS 1287-2:2007	
Ventilation brattices and ducting Part 2: Brattices unsupported	
Ed 1 01 A4 8p EN	Gr 5
PDF 8p EN	91 140 30
Covers 2 types of flexible unsupported brattices suitable for ventilation cont	rol curtains in the mining industry
Am 1(National) 2007-02-09	
SANS 1288:2012	
(SADS 1200) Proscructive treated timber	
Ed 3.03 A4.24p EN	Gr Q
PDF 24p EN	71 100 50: 79 040
Specifies treatment requirements for preservative-treated timber and timber	r products that have a predicted service life at various levels of
preservative treatment which are considered to be acceptable for a range o	f hazard conditions.
Am 1(National), 2007-05-18 Am 2(National), 2008-10-24	Am 3(National), 2012-09-28
SANS 1201-1-2012	
(SABS 1291-1)	
Flexible polyurethane foam sleeping mats and mattresses Part 1: Mats	and mattresses having unsupported polymeric covers
Ed 1.03 A4 11p EN	Gr 6
PDF 11p EN	83.140.99; 97.140
Covers two types of flexible polyurethane foam mats and mattresses having	g covers made from unsupported polymeric materials and intended for
use in mine hostels and for similar applications.	
Am 1(National), 2003-01-17 Am 2(National), 2010-06-17	Am 3(National), 2012-06-29
SANS 1291-2:2012	
(SABS 1291-2)	
Flexible polyurethane foam sleeping mats and mattresses Part 2: Foar	n mattresses for domestic and hotel use
Ed 2.03 A4 9p EN	Gr 5
PDF 9p EN	83.140.99; 97.140
Specifies the characteristics of five types of foam mattresses suitable for doAm 1(National), 2009-04-24Am 2(National), 2010-07-02	omestic and hotel use. Am 3(National), 2012-06-29
SANS 1292:2009	
(SABS 1292)	
Castors for furniture	
Ed 1.01 A4 14p EN	Gr 6
PDF 14p EN	97.140
Covers dimensional, constructional, and performance requirements for cash Am 1(National), 2009-01-23	ors for use on furniture.
SANS 1294:2012 (SABS 1294)	
Precast concrete manhole sections and components	
Ed 2.01 A4 34p EN	Gr 10
PDF 34p EN	91.100.30; 93.080.30
Covers precast concrete sections, slabs, bases, lids and frames intended for in stormwater, drainage, and sewage pipelines.	or use in the construction of manholes (including inspection chambers)

Am 1(National), 2012-07-06

SANS 1297:2001 (SABS 1297) Leather gloves	
	C+ 10
PDF 24p EN	59.140.35; 61.040
Covers 5 types (inter alia golf, motorcycle and other special purpose) lined and unl Am 1(National), 2001-11-01	ined men's and ladies' leather gloves.
SANS 1298:2001 (SABS 1298)	
Ladies' fashion handbags	
Ed 1.02 A4 25p EN PDF 25p EN	Gr 9 59.140.35
Covers requirements for the materials, basic design, construction, packaging and r fabric outer. Specifies physical and chemical requirements for outer materials and for fittings.	marking of three basic types of handbag with a leather or coated linings and constructional requirements and physical properties
Am 1(National), 1995-11-20 Am 2(National), 2001-11-01	
SANS 1299:2012	
Tempering valves for storage hot water systems	
Ed 1.00 A4 22p EN PDF 22p EN	Gr 8 23.060.40
Covers the requirements for tempering valves for storage hot water systems partice. These valves are intended to prevent scalding in locations such as homes, schools outlets should be sourced from a tempering valve. Applies to valves suitable for wa	ularly in domestic situations, where hot water poses a hazard. s, motels and residential premises, where ideally all hot water ater inlet temperatures of up to 100 °C.
SANS 1300:2013 / ISO/TS 10004:1111	
Quality management - Customer satisfaction - Guidelines for monitoring and	measuring
Ed 1.00 A4 31p EN PDF 31p EN	Gr 11 03.120.10
Provides guidance in defining and implementing processes to monitor and measure regardless of type, size or product provided. Focuses on customers external to the purposes, nor is it intended to change any rights or obligations under applicable sta	e customer satisfaction. Intended for use by organizations organization. Is not intended for certification or contractual atutory or regulatory requirements.
SANS 1301:2012	
140 L Mobile refuse bins	
Ed 1.00 A4 12p EN PDF 12p EN	Gr 6 13.030.40
Covers requirements for mobile refuse bins of thermoplastic material and of nomin handling and are intended for use with mechanical lifting and tipping equipment.	al capacity 140 L that are provided with wheels for manual
SANS 1302:2008 (SABS 1302)	
Toothpaste	
Ed 1.01 A4 20p EN	Gr 8
	11.060.20; 11.120.99
Am 1(National), 2008-06-06	for use with a brush in the cleaning of natural teeth.
SANS 1303-1:2008 (SABS 1303-1)	
Wrought copper alloys Part 1: Chemical composition of copper-zinc alloys (n	ion-leaded and leaded)
Ed 1.02 A4 9p EN	Gr 5
PDF ⁹ p EN	77.120.30
Covers the requirements for the chemical composition, packing and marking of 21 Am 1(National), 1983-08-01 Am 2(National), 2008-11-28	types of wrought copper-zinc alloy.
SANS 1304:1980	
(SABS 1304)	
Light ladders	•
Ed 1.00 A4 28p EN PDF 28p EN	Gr 10 97.145
Covers single ladders, extending ladders, step-ladders and extending step-ladders ladders of aluminium and GRP. Requirements for materials and construction, and different materials of construction are given. In the case of GRP ladders requirement	, trestle and extending trestle ladders, and special purpose specific requirements for ladders of different types and of ontex for electrical properties are laid down.

Err 1(National), 1981-02-01

SANS 1304-2:2009	nium ladders, steps and trastles for household use
Ed 1.00 A4 32p EN	Gr 9
PDF 32p EN	97.145
Specifies requirements for material, con apply to ladders for commercial use or erection.	struction and performance of portable aluminium ladders, steps and trestles for domestic use. Does not special professional use such as fire brigade ladders or mobile ladders, which require mechanical aids for
SANS 1305:2009 (SABS 1305)	
Sealing compounds for the building	industry, one-component, silicone-rubber-base
Ed 1.02 A4 14p EN	Gr 6
PDF 14p EN	91.100.50
and that are suitable for both interior ar Am 1(National), 1990-08-23	d exterior use. Mar 2(National), 2009-08-21
SANS 1306-1:2006 / ISO 228-1:2000 ((SABS 1306-1)	2012-03-16)
Pipe threads where pressure-tight jo	ints are not made on the threads Part 1: Dimensions, tolerances and designation
Ed 3.00 A4 13p EN PDF 13p EN	Gr 7
Covers threads intended for the mecha	21.040.10; 23.040.01
overs threads intended for the mecha	
SANS 1306-2:1990 / ISO 228-2:1987 ((SABS 1306-2)	2012-03-16)
Pipe threads where pressure-tight jo	ints are not made on the threads Part 2: Verification by means of limit gauges
PDF 16p EN	21.040.10; 23.040.01
Specifies the verification of cylindrical the necessary to carry out additional che several NOT GO gauges. Am 1(National). 2006-08-11	nreads, the dimensions and tolerances of which are given in SANS 1306-1. For industrial applications it may acks. Since the 55 profile has different elements to be verified, it is necessary to provide for several GO and
SANS 1207-2012	
(SABS 1307)	
Domestic storage solar water heating	g systems
Ed 5.00 A4 27p EN PDF 27p EN	Gr 9 27 160: 01 140 65: 07 100 00
Specifies the requirements for integral, for solar collectors for solar water heating	close-coupled and split domestic storage solar water heating systems, and includes specific requirements
SANS 1308:2007	
(SABS 1308) Plaster-of-Paris bandades	
Ed 3.00 A4 13p EN	Gr 6
PDF 13p EN	11.040.30; 11.120.20
Covers two types of plaster-of-Paris ba and the construction of rest splints and	ndages (based on the structure of the base fabric) suitable for the immobilization and splinting of fractures body supports.
SANS 1309:2007 (SABS 1309)	
Printed labels for textiles	
Ed 2.00 A4 9p EN PDF 9p EN	Gr 5
Specifies requirements for printed fabric	c labels suitable for informative labelling of textile articles and garments.
SANS 1310:2007	
Refuse bins of polymeric materials	
Ed 1.02 A4 9p EN	Gr 5
PDF 9p EN	55.120; 83.140.99; 97.040.50
Covers material, dimensional and cons capacities 57 and 85 L. Includes metho Am 1(National) 1986-03-01	tructional requirements for refuse bins with removable lids, made of polymeric materials and of nominal ods of testing rigidity, resistance to fracture, handle strength of bins and resistance to warping of lids. Am 2(National), 2007-03-30
	·····//

SANS 1311:2007 (SABS 1311)		
Metal clisco windows		
Ed 1.02 A4 15p EN PDF 15p EN		Gr 7 91.060.50
Covers material, constructional and stren and hot rolled mild steel sections.	ngth requirements for 2 types of clisco win	dow complete with fittings. Figures illustrate typical surrounds
Am 1(National), 2002-03-25	Am 2(National), 2007-05-18	
SANS 1312:2008 / EN 10312:2002	<i>.</i>	
Welded stainless steel tubes for the c	onveyance of water and other aqueous	liquids - Technical delivery conditions
Ed 1.00 A4 28p EN PDF 28p EN		Gr 12 23.040.10
Specifies the delivery conditions for light consumption, supplied in straight lengths inert gas welding of capillary fittings. Am 1(International), 2008-09-05	gauge welded stainless steel tubes, prim. and suitable for use with compression fit	arily for water application, including water intended for human tings or press fittings or for adhesive bonding, silver brazing or
SANS 1313-1:2012 (SABS 1313-1)		
Conveyor belt idlers Part 1: Troughed revolutions per minute	belt conveyor idlers (metallic and non-	metallic) for idler roller rotational speeds of up to 750
Ed 4.00 A4 30p EN		Gr 9
PDF 30p EN		53.040.20
Specifies the characteristics of conveyor speeds of up to 750 revolutions per minute	belt idlers that have metallic or non-meta ite.	llic rolls for belt widths of up to 2 400 mm and for rotational
SANS 1313-2:2012 (SABS 1313-2)		
Conveyor belt idlers Part 2: Link susp speeds of up to 750 revolutions per m	ended idlers and fixed-form suspended inute	d idlers (metallic and non-metallic) for idler rotational
Ed 2.00 A4 14p EN		Gr 6
PDF 14p EN		53.040.20
Specifies requirements for link suspende	ed conveyor belt idlers and fixed-form susp	pended idlers not included in SANS 1313-1.
SANS 1313-3:2012 Conveyor belt idlers Part 3: Performat rotational speeds of up to 750 revolut Ed 1.00 A4 35p EN	nce specifications for troughed belt co ions per minute	nveyor idlers (metallic and non-metallic) for idler roller Gr 10
PDF 35p EN		53.040.20
Specifies the performance specifications up to 750 revolutions per minute for belt	for troughed belt conveyor idlers that hav widths of up to and including 2 400 mm.	re metallic or non-metallic rolls for idler roller rotational speeds of
SANS 1316:2007 (2013-01-18) (SABS 1316)		
Cotton cellular blankets		
Ed 2.01 A4 12p EN		Gr 6
PDF 12p EN		97.160
Covers the requirements for one type of Am 1(National), 2007-06-08	cotton cellular blanket.	
SANS 1317:1980 (2002-04-12) (SABS 1317)		
Apparatus for gamma radiography		
Ed 1.00 A4 20p EN		Gr 8
PDF 20p EN		17.240
ISO 3999:1977, NEQ		
Covers the classification, design and cor	nstruction of isotope handling apparatus.	
SANS 1319:2009		
Zinc phosphate primer for steel		
Ed 3.00 A4 12p FN		Gr 6
PDF 12p EN		25.220.40; 77.080.20; 87.040
Spoolting requirements for onlying theme	primore in which the reactive picment is	a zina phasabata tupa, traa tram baayy matala, far uga an

Specifies requirements for solvent-borne primers in which the reactive pigment is a zinc phosphate type, free from heavy metals, for use on suitably prepared steel surfaces.

SANS 1320-1:2001 (SABS 1320-1) PVC gum boots Part 1: Injection-moul	ded gum boots	
PDF 21p EN		13.340.50; 61.060
Covers 2 types and 5 classes of general- materials and construction are laid down	purpose PVC gum boots manufacture	d by the injection-moulding process. Requirements for lasts,
Am 1(National), 1990-05-15	Am 2(National), 1993-09-27	Am 3(National), 2001-08-08
SANS 1320-2:2001 (SABS 1320-2) PVC gum boots Part 2: Dip-moulded g Ed 1.01 A4 21p EN PDF 21p EN	um boots with pre-moulded stuck-o	on outer soles and heels Gr 9 13.340.50; 61.060
Covers 2 types and 3 classes of light-dut soles and heels. Am 1(National), 2001-12-18	y PVC gum boots manufactured by th	e dip-moulding process and having pre-moulded stuck-on outer
SANS 1320-3:2006 (SABS 1320-3) PVC gum boots Part 3: Injection-moul	ded ankle boots for men	
Ed 1.04 A4 18p EN PDF 18p EN		Gr 7
Covers three types and two classes of P	VC ankle boots manufactured by the i	niection-moulding process. Requirements for lasts, materials and
construction are laid down. Am 1(National), 1987-06-01 Am 4(National), 2006-01-20	Am 2(National), 1990-05-01	Am 3(National), 2001-08-08
SANS 1321-1:2009 (SABS 1321-1) Non-metallic waste traps Part 1: Plast Ed 1.01 A4 16p EN PDF 16p EN	ics waste traps	Gr 7 83 140 99: 91 140 80
Covers waste traps, other than traps for baths, sinks, showers, and other waste v Am 1(National), 2009-04-24	soil water, moulded from thermoplastic vater fitments that have appropriately s	c materials, and designed to be used for domestic purposes with sized outlets.
SANS 1321-2:2007 (SABS 1321-2)		
Figure 1.02 A4 12p FN	er waste traps	Gr 6
PDF 12p EN		83.140.99; 91.140.80
Covers requirements for 'P', 'S' and dip-t domestic applications with baths, sinks, s Am 1(National), 1984-08-01	ube bottle waste traps moulded from s showers and other fitments. Am 2(National), 2007-05-25	uitable butyl or EPDM rubber compounds and designed for use in
SANS 1322:2004 (2009-05-15) (SABS 1322)		
Portable, non-refillable fire extinguish	ers (general purpose type)	
PDF 19p EN		13.220.10: 23.020.30
Covers class I and class II portable, non- use with all classes of fire other than class	refillable fire extinguishers of the store	ed-pressure type and having a capacity of not more than 1,5 kg for
Am 1(National), 1986-03-01	Am 2(National), 1988-06-01	Am 3(National), 2004-05-21
SANS 1324:2006 (2011-04-14) (SABS 1324)		
Upholstery fabrics		
Ed 2.02 A4 14p EN PDF 14p EN		Gr 6 59.080.30: 97.140
Specifies the requirements for upholstery use in the manufacture of upholstered fu partitions.	/ fabrics of woven, knitted, flocked-pile rniture for contract or domestic use, an	e, and velour types (all of which may be latex-backed) suitable for nd which can also be used in the manufacture of movable office

Am 1(National), 2001-10-05

Am 2(National), 2006-04-13

SANS 1326:2010 (SABS 1326)		
Sodium lauryl ether sulphate		
Ed 1.03 A4 28p EN PDF 28p EN		Gr 9 71.080.60
Covers two types of sodium lauryl ether Am 1(National), 1989-02-01	sulphate. Am 2(National), 2008-06-20	Am 3(National), 2010-10-08
SANS 1327:2004		
Electrical connectors for towing and	towed vehicles (7-pole connectors)
Ed 1.04 A4 18p EN		Gr 7
Covers two types of 7-pole electrical co towing vehicles and towed vehicles hav Am 1(National), 1994-07-01	nnectors in the form of a socket and a ing electrical equipment operating at Am 2(National), 1996-10-21	43.040.10 a plug that will permit interchangeability of electrical connections for nominal voltages of 6, 12, or 24 V. Am 3(National), 1997-10-27
Am 4(National), 2004-05-21		
SANS 1328:2012 / IEEE 433:2009	n testing of AC electric machinery	with high voltage at very low frequency
Ed 1.00 A4.31p EN	in testing of AC electric machinery	Gr 11
PDF 31p EN		29.080.01; 29.160.01
Describes very low frequency (VFL) tes erection and the routine maintenance te	ting of a.c. electric machines. Covers esting of machines that have been in a	acceptance testing of new machines in the factory or on-site after service.
SANS 1329-1:2004 (2009-04-03) (SABS 1329-1)		
Retro-reflective and fluorescent warr	ning signs for road vehicles Part 1:	Triangles
Ed 2.04 A4 24p EN PDF 24p EN		Gr 9 43 040 20
Covers requirements for two types of tri public roads.	angles that are retro-reflective and flu	orescent and are intended to be carried in motor vehicles operating on
Am 1(National), 1998-11-06 Am 4(National), 2004-04-08	Am 2(National), 2000-11-24	Am 3(National), 2002-10-09
SANS 1329-2:2004 (2009-04-03) (SABS 1329-2)		
Retro-reflective and fluorescent warr	ning signs for road vehicles Part 2:	Abnormal load vehicle signs
Ed 2.05 A4 23p EN		Gr 9
PDF 23p EN		43.040.20
Covers requirements for abnormal load public roads.	signs that are retro-reflective and flue	prescent, and that are intended for use on motor vehicles operating on
Am 1(National), 1989-05-01 Am 4(National), 2002-10-09	Am 2(National), 1998-11-06 Am 5(National), 2004-04-08	Am 3(National), 2000-11-17
SANS 1329-3:2007		
(SABS 1329-3) Retro-reflective and fluorescent warr	ning signs for road vehicles Part 3:	Signs other than triangles, chevron signs and abnormal load
Ed 2.03 A4.23p EN		Gr 9
PDF 23p EN		43.040.20
Covers requirements for signs, including permissible speed; (b) the width of moto	g decals, that are retro-reflective and or vehicles operating on public roads; Am 1(National), 1990-11-01	fluorescent, and that are intended to indicate (a) the maximum and (c) identification of emergency vehicles. Am 2(National) 2001-02-02
SANS 1329-4:2006		
(SABS 1329-4)		
Retro-reflective and fluorescent warr	ning signs for road vehicles Part 4:	Retro-reflective chevron signs
Ed 3.07 A4 14p EN PDF 14p FN		Gr 6
Specifies requirements for retro-reflection	ve chevron signs that incorporate a si	43.040.∠0 ubstrate and that are intended for use on motor vehicles that operate
on public roads.		
Am 1(National), 1995-09-04 Am 4(National), 2002-10-09 Am 7(National), 2006-02-03	Am 2(National), 1998-11-06 Am 5(National), 2003-06-27	Am 3(National), 2001-03-02 Am 6(National), 2004-06-11

SANS 1329-5:2006 (SABS 1329-5) Retro-reflective and fluorescent warni	ng signs for road vehicles Part 5: F	Retro-reflective chevron decals
Ed 1.04 A4 15p EN	5-5	Gr 7
PDF 15p EN		43.040.20
Covers the requirements for retro-reflecting pigmented vinyl or other polymeric materia Am 1(National), 1991-05-01 Am 4(National), 2006-05-12	ive warning signs manufactured as pr rial and intended for use on motor veh Am 2(National), 1998-12-04	otective coated chevron decals having self-adhesive bases of nicles operating on public roads. Am 3(National), 2004-04-23
SANS 1330:1981 (2001-02-03) (SABS 1330)		
Waterless hand cleaners		
Ed 1.00 A4 10p EN PDF 10p EN		Gr 6 71 100 40
Covers waterless hand cleaners suitable requirements and requirements relating t dermal irritation. cleaning efficiency, ther	for removing, with or without the use o odour, prohibited ingredients, arom mal stability and storage stability.	of water, oil-bound soil from the hands. Specifies general atic hydrocarbon content of the solvent, solubility and pH value,
Am 1(National), 1989-02-01 Am 4(National), 1998-10-30	Am 2(National), 1989-11-01	Am 3(National), 1995-08-14
SANS 1337:1982 (2000-03-23) (SABS 1337)		
Dental zinc oxide-eugenol impression	paste	
Ed 1.00 A4 13p EN		Gr 7
		11.060.10
Covers requirements for dental zinc oxid to be fitted. Test methods for consistence	e-eugenol pastes intended for the rec y, setting time, tensile strength, detail	ording of the contours of surfaces of the mouth to which dentures are reproduction and compatibility with gypsum are included.
SANS 1338:2008 (SABS 1338)		
Abrasion-resisting white cast irons		
Ed 1.01 A4 15p EN PDE 15p EN		Gr 7
		//.080.10
Am 1(National), 2008-03-28	pries of abrasion-resisting white cast i	rons.
SANS 1339:2010 (SABS 1339)		
Electric cables - Cross-linked polyethy	ylene (XLPE) insulated cables for ra	ated voltages 3,8/6,6 kV to 19/33 kV
Ed 4.00 A4 50p EN		Gr 11
PDF 50p EN		29.060.20; 29.240.20
Specifies the construction, materials, din cables with copper or aluminium conduct	nensions and test requirements for sir tors, for use at operating voltages in t	ngle-core and three-core cross-linked polyethylene (XLPE) insulated he range 3,8/6,6 kV to 19/33 kV.
SANS 1341:2012 (SABS 1341)		
Detergent for high-pressure cleaning	(hot and steam cleaning)	
Ed 1.03 A4 14p EN		Gr 6
PDF 14p EN		71.100.40
Covers two types of detergent for high-pi are suitable for use in both high-pressure Am 1(National) 1985-02-01	ressure cleaning of painted and unpai hot-cleaning and steam-cleaning ma Am 2(National) 2003-05-30	Inted cement and metal surfaces (ferrous and non-ferrous), and that achines.
	(((d)())(d)), _000-00-00	
SANS 1343:2009		
(SABS 1343)	in aluminium phoophido (food ato	rado promisos)
Ed 3.00 A4 17p EN	an arummum phospilide (1000 Stol	
PDF 17p EN		65.100.10
Covers insecticidal solid fumigants that or includes requirements for raw materials,	contain aluminium phosphide and are for the formulation, for the phosphine	intended for use in the fumigation of food storage premises. It gas produced and for biological efficacy.

SANS 1344:2009 (SABS 1344) Modium duty solvent detergent	
Ed 2.01 A4 11p EN PDF 11p EN	Gr 6 71.100.40
Am 1(National), 2009-12-11	
SANS 1350:2005 (SABS 1350) Guardrails for roads (W-section)	
Ed 1.02 A4 16p EN PDF 16p EN	Gr 7 93.080.30
Covers the material, dimensional, and constructional requirements for steel and all Am 1(National), 1988-08-01 Am 2(National), 2005-11-10	uminium W-section guardrails suitable for installing along roads.
SANS 1351:2007 (2012-12-14) (SABS 1351)	
Canvas tentage and tarpaulin webbing	Gr 6
PDF 14p EN	59.080.30
Specifies requirements for fourteen types of seam reinforcement webbing, one type suitable for use in the manufacture of canvas tentage and tarpaulins.	e of wall-support webbing and one type of wall-brace webbing,
SANS 1352:2012 The installation, maintenance, replacement and repair of domestic air source	water heating heat pump systems
Ed 1.00 A4 21p EN PDF 21p EN	Gr 8 27.080: 27.160
Covers requirements for the safe and correct installation of new and replacement of complete with all the relevant and applicable safety and hydraulic control units.	f domestic air source water heating heat pump systems
SANS 1356:2006 (2013-03-15) (SABS 1356)	
Fixed electric instantaneous water heaters	
Ed 2.00 A4 16p EN PDF 16p EN	Gr 7 91,140,65: 97,100,10
Covers two types of fixed electric instantaneous water heaters fitted with elements below boiling point, suitable for operation on single-phase or three-phase a.c. supp not exceeding 9 kW in the case of single-phase and 28 kW in the case of three-phase and 28 kW in three-phase and 28 kW in three-phase and	of the sheathed or bare type for heating water to a temperature lies at voltages not exceeding 250 V to earth with rated loadings ase appliances, and intended for domestic or similar use.
SANS 1357:2008 (SABS 1357)	
Granite surface plates and tables	
Ed 1.01 A4 12p EN PDF 12p EN	Gr 6 19.060: 91.100.15
Covers three types and four accuracy grades of rectangular granite surface plates mm by 1 600 mm.	and tables ranging in size from 160 mm by 100 mm to 3 500
Am 1(National), 2008-05-30	
SANS 1360-1:2008 (2012-12-14) (SABS 1360-1) Size designation of clothes Part 1: Men's and boys' outerwear garments	
Ed 1.02 A4 10p EN	Gr 5
Establishes a system of designating the sizes of men's and boys' outerwear garme covering the upper or the whole body, or coveringthe lower body only, and applies dimensions on which the size designation system is based, and the method of indi- Am 1(National), 1984-03-01 Am 2(National), 2008-02-29	61.020 ents (including knitwear and swimwear)that are classified as to both civilian and uniform garments. Both the control cating the size designation on the label, are specified.
SANS 1360-2:2008 (2012-12-14)	
(SABS 1360-2) Size designation of clothes Part 2: Wemen's and size' outerware research	
Ed 1.02 A4 10p EN	Gr 5
PDF 10p EN	61.020
Establishes a system of designating the sizes of women's and girls' outerwear garr	nents (including knitwear and swimwear) that are classified as

Establishes a system of designating the sizes of women's and girls' outerwear garments (including knitwear and swimwear) that are classified as covering the upper body, or covering the lower body only, and applies to both civilian and uniform garments. Both control dimensions on which the size designation system is based, and the method of indicating the size designation on the garment label, are specified.

Am 1(National), 1984-03-01 Am 2(National), 2008-02-29

Standards South Africa Catalogue 2013

SANS 1360-3:2008 (2012-12-14) (SABS 1360-3) Size designation of clothes Part 3: Inf	ants' garments	
Ed 1.02 A4 8p EN	3	Gr 5
PDF ['] 8p EN		61.020
Establishes a system of designating the size designation system is based, and th Am 1(National), 1984-03-01	sizes of infants' (persons of height 104 cm e method of indicating the size designatio Am 2(National), 2008-02-29	n or less) garments. Both the control dimensions on which the n on the garment label, are specified.
SANS 1360-4:2008 (2012-12-14) (SABS 1360-4) Size designation of clothes Part 4: Gld	NAS	
Ed 1 02 A4 7n EN	JVES	Gr 5
PDF 7p EN		61.040
Establishes a system of designating the method of indicating the size designation	sizes of gloves. Both the control dimensio on glove labels, are specified.	ns on which the size designation system is based, and the
Am 1(National), 1984-03-01	Am 2(National), 2008-02-29	
SANS 1360-5:2008 (2012-12-14) (SABS 1360-5)		
Size designation of clothes Part 5: He	adwear	
Ed 1.02 A4 7p EN		Gr 5
		61.040
Establishes a system of designating the method of indicating the size designation	sizes of headwear. Both the control dimer on headwear item labels, are specified.	ision on which the size designation system is based, and the
Am (National), 1964-03-01	Alli 2(National), 2006-03-14	
SANS 1360-6:2008 (SABS 1360-6)		
Size designation of clothes Part 6: Me	n's and boys' underwear, nightwear an	d shirts
Ed 1.01 A4 10p EN PDF 10p EN		Gr 5 61.020
Establishes a system of designating the covering the upper or the whole body, or Am 1(National), 2008-03-07	sizes of men's and boys' underwear garm covering the lower body only, and applies	ents (including nightwear and shirts) that are classified as to both civilian and uniform garments.
SANS 1360-7:2008 (2013-01-25) (SABS 1360-7)		
Size designation of clothes Part 7: Wo	omen's and girls' underwear, nightwear	, foundation garments and shirts
Ed 1.01 A4 10p EN		Gr 5
PDF 10p EN		61.020
Establishes a system of designating the that are classified as covering the upper Am 1(National), 2008-02-29	sizes of women's and girls' underwear ga or the whole body, or covering the lower b	rments (including nightwear, foundation garments and shirts) ody only, and applies to both civilian and uniform garments.
SANS 1362:2008 (SABS 1362)		
Sewing threads		
Ed 2.08 A4 19p EN		Gr 8
PDF 19p EN		59.080.20
Specifies the requirements for cotton, po clothing and footwear.	lyamide, polyester and core-spun sewing	threads suitable for use in the manufacture of textile articles,
Am 1(National), 1996-08-19 Am 3(National), 2000-11-24 Am 6(National), 2005-09-02	Col 1(National), 1999-04-16 Am 4(National), 2001-06-29 Am 7(National), 2008-03-20	Am 2(National), 2000-02-25 Am 5(National), 2004-01-23
SANS 1363:1999		
(SABS 1363)	titah dawa constructions)	
Ed 2.00 A4.41p EN	Sulen-uown constructions)	Gr 12
PDF 41p EN		61.060

Specifies requirements for shoes made according to the stuck-on and the stitch-down constructions and supplied in size ranges 7(150) to 1 1/2(205) or size range 2(210) and larger.

SANS 1365:2012 (SABS 1365)		
Solvent degreasers that contain chlorina	ated hydrocarbons	
Ed 3.02 A4 23p EN		Gr 9
PDF 23p EN		71.080.20; 71.100.40
Specifies the requirements for six types of v Am 1(National), 2011-04-20 Ar	water-free solvent degreasers that conta m 2(National), 2012-11-30	in chlorinated hydrocarbon compounds.
SANS 1366:2006		
(SABS 1366)		
Steel cord reinforced conveyor belting		
Ed 2.01 A4 36p EN]		Gr 10
PDF 36p EN		53.040.20
Covers the requirements for steel cord reini classified according to the calculated minim Am 1(National), 2006-07-21	forced conveyor belting with or without s num strength of the belting in kilonewton	secondary reinforcement, having elastomeric covers and is per metre (kN/m).
SANS 1367-1:2007 (2012-11-23) (SABS 1367-1)		
Horticultural mineral oils for use on agri	cultural crops Part 1: Base oils	
Ed 2.00 A4 10p EN		Gr 5
PDF 10p EN		65.100.10; 75.080
Covers horticultural mineral base oils that a crops.	are used in the formulation of insecticida	I emulsifiable concentrates for use against pests on agricultural
SANS 1367-2:2007 (2012-12-14) (SABS 1367-2)		
Horticultural mineral oils for use on agri	cultural crops Part 2: Monophase em	ulsifiable concentrates
Ed 2.00 A4 11p EN		Gr 6
PDFTIPEN		65.100.10; 75.080
Covers monophase emulsifiable concentrat relevant national legislation.	tes of horticultural mineral oils for use or	n agricultural crops, and that are registered under the current
SANS 1370:2011 (SABS 1370)		
Fluxes for the submerged arc welding of	f carbon and carbon manganese stee	ls
Ed 1.03 A4 14p EN		Gr 6
PDF 14p EN		25.160.20
Covers 3 types of flux and gives physical ar type and composition and to mechanical pr with the requirements of SANS 1033.A cod	nd performance requirements and methor operties of the deposited weld metal wh e consisting of letters and numerals is u	ods of inspection and test. Fluxes are classified according to en used in conjuction with one or more filler wires complying sed to indicate this classification.
Am 1(National), 2002-06-14 Ar	m 2(National), 2007-09-21	Am 3(National), 2011-02-18
SANS 1371:2008 (SABS 1371)		
Ceramic hollow insulators for standard t	transformer bushings	
Ed 1.02 A4 13p EN PDF 13p EN		Gr 6 29.080.10; 29.080.20
Covers the design, electrical and physical redetailed in SANS 1037. Refers to SANS 62	equirements of hollow insulators of cera 2155 for certain of the physical requirem	mic material for use with the standard transformer bushings ents. Includes latest requirements for high-voltage withstand.
Am 1(National), 2002-04-15 Ar	m 2(National), 2008-11-28	
SANS 1372:2010 (SABS 1372)		
Prefabricated concrete components for t	fences	
Ed 1.03 A4 16p EN		Gr 7
PDF 16p EN		91.090; 91.100.30
Covers prefabricated concrete components Am 1(National), 1987-06-01	of posts, plain panels, and decorative p m 2(National), 2000-03-10	oanels for use in concrete fences. Am 3(National), 2010-03-05

SANS 1373:2008 (SABS 1373) Chain-link fencing and its wire access	ories	
Ed 1.01 A4 18p EN		Gr 7
Covers the requirements for chain-link fe covered with polyvinyl chloride. Am 1(National), 2008-10-24	ncing and straining and tie wires for u	77.140.99; 91.090 se with it, made of zinc-coated steel wire or zinc-coated steel wire
SANS 1374:2008 (SABS 1374)		
Ed 2.01 A4 10p EN PDF 10p EN		Gr 5 97.170
Covers toothbrushes of four sizes and fiv hygiene. It does not cover electrically ope Am 1(National), 2008-08-22	e grades, having tufts of synthetic mo erated toothbrushes or toothbrushes v	nofilaments, and is intended to be used manually for general oral vith natural bristle tufts.
SANS 1375:2012 (SABS 1375)		
Textile floor coverings (pile constructi Ed 3.02 A4 31p EN PDF 31p EN	on)	Gr 10 59.080.60
Specifies requirements for textile floor co Am 1(National), 2005-11-10	verings, including tiles of pile construct Am 2(National), 2012-03-23	ction, and also for a grading system for locations or areas.
SANS 1376-1:2008 (SABS 1376-1) Lights for motor vehicles Part 1: Incar Ed 1.06 A4 44p EN	idescent lamps	Gr 11
Covers incandescent tungsten filament la and W5W for use in motor vehicles and t Am 1(National), 1987-08-01 Am 4(National), 2003-07-04	amps of categories R2, H1, H2, H3, H railers. Also covers other categories o Am 2(National), 1988-08-01 Am 5(National), 2006-03-03	29.140.20; 43.040.20 4, P21W, P21/5W, R5W, R10W, C5W, C18W, C21W, T4W, W3W of lamp that are covered in SANS 20037. Am 3(National), 2001-06-01 Am 6(National), 2008-06-06
SANS 1376-2:2006 (SABS 1376-2)		
Ed 1.04 A4 15p EN	lights	Gr 7
PDF 15p EN		43.040.20
Covers the requirements for the photome headlight systems meeting left-hand rule Am 1(National), 1994-06-20	tric properties of headlights emitting a -of-road requirements. Am 2(National) 1998-05-18	an asymmetrical dipped beam or a main beam, or both, and used in Am 3(National) 2002-01-18
Am 4(National), 2006-03-10		
SANS 1376-3:2006 (SABS 1376-3)		
Lights for motor vehicles Part 3: Seco	ndary lights	Gr 0
PDF 26p EN		43.040.20
Covers the photometric characteristics of reversing lights, rear registration-plate lig or the positioning of the lights on a vehicl Am 1(National), 1990-08-01 Am 4(National), 2002-01-18	secondary lights for vehicles (i.e. pos hts and end-outline marker lights) and e. It also does not cover requirements Am 2(National), 1995-11-27 Am 5(National), 2006-03-03	sition lights, stop lights, direction-indicator lights, parking lights, d of assemblies of these. It does not cover the mechanical properties s for retro-reflectors. Am 3(National), 1998-06-03
SANS 1381-1:2013 (SABS 1381-1)		
Materials for thermal insulation of buil	dings Part 1: Fibre thermal insulati	on mats
Ed 3.02 A4 16p EN PDF 16p EN		Gr 7 91.100.60; 91.120.10
Covers fibrous insulation (flexible or rigid wool, glass wool), synthetic fibre, such as) that may be supplied as mats or bat s polyester fibre, and natural fibres, su	ts. Typical examples of this product are mineral fibre (such as rock uch as wool. Materials of this type usually exhibit substantial variation

in density, thickness, resiliency and thickness regain, after compressed packaging, and are therefore not considered as pre-formed shapes Am 1(National), 2007-01-19 Am 2(National), 2013-02-22

SANS 1381-2:2007 (2012-07-06) (SABS 1381-2) Materials for thermal insulation of buildings Part 2: Loose fill thermal insulat	ion material
Ed 1.01 A4 13p EN	Gr 6
PDF 13p EN	91.100.60; 91.120.10
Covers loose fill thermal insulation material in pelleted or granulated form for pneu installing the fill material. Specifies requirements for coverage, non-combustibility a Am 1(National), 2007-04-13	matic or poured application but does not cover the method of and freedom from odours.
SANS 1381-4:2013 (SABS 1381-4) Materials for thermal insulation of buildings Part 4: Reflective foil laminates ((rolls, sheets and sections)
Ed 2.01 A4 25p EN	Gr 9
PDF 25p EN	91.100.60; 91.120.10
Covers the performance requirements of reflective foil laminates in the form of rolls for buildings.	s, sheets and sections and intended for use as thermal insulation
Am 1(National), 2013-02-22	
SANS 1381-6:2011 (SABS 1381-6)	
Materials for thermal insulation of buildings Part 6: Cellulose loose fill therm	al insulation material
Ed 2.00 A4 18p EN	Gr 7
PDF 16p EN	91.100.60; 91.120.10
Specifies the characteristics of cellulose loose fill thermal insulation material that is blowing or by manual pouring. Does not address the method of installation of the in	s intended for installation in ventilated roof spaces of buildings by nsulation.
SANS 1382-1:2013 (SABS 1382-1)	
Hose Part 1: Men's and women's hose for institutional use	
Ed 2.03 A4 19p EN	Gr 8
PDF 19p EN	61.020
Covers the requirements for fourteen types of men's quarter, half and three-quarter Am 1(National), 2001-11-19 Am 2(National), 2008-07-18	r hose and four types of women's anklet and three-quarter hose. Am 3(National), 2013-03-15
SANS 1382-2:2008 (SABS 1382-2)	
Hose Part 2: Commercial and sports hose	
Ed 1.02 A4 11p EN	Gr 6
	61.020
Specifies requirements for men's, women's and children's commercial and sports aCol 1(National), 1999-04-16Am 1(National), 2008-06-13	anklet, quarter, half and three-quarter hose.
SANS 1383:2008 (SABS 1383)	
Rigid urethane and isocyanurate foams for use in thermal insulation	
Ed 1.01 A4 30p EN	Gr 9
PDF 30p EN	91.100.60
Covers the requirements for the product in the form of slabs, sheets and moulded the factory, but does not cover foams formed in situ (e.g. cavity wall insulation). Restrength, closed cell content, thermal conductivity and dimensional stability. Appendetween commercial urethane and isocyanurate foams. Am 1(National), 2008-03-20	shapes and in the form of components of laminates produced in equirements are laid down for flammability, density, compressive idices deal with aspects of foam production and differences
SANS 1384:2006	
(SABS 1384)	
Plastics containers for parenteral solutions	
Ed 2.00 A4 17p EN	Gr 7
	11.040.20; 55.120
Covers the requirements for plastics containers (rigid, semi-rigid and collapsible) for containers for blood and its components.	or aqueous solutions for intravenous infusion. It does not cover

	NUMERICAL LIST O	F STANDARDS
SANS 1385:2011 (SABS 1385) Kitchen cupboards: Built-in and free Ed 1.03 A4 21p EN	-standing	Gr 8
Covers 8 types of kitchen unit cupboard corner, special and floor-mounted tall u performance.	ds of steel sheet, composite board or so nit cupboards. Specifies the requiremer	97.040.10 lid timber, namely base, sink, wash-trough, wall combination, its for materials, construction, finish, design, dimensions and
Am 1(National), 2008-05-09	Am 2(National), 2010-05-07	Am 3(National), 2011-09-30
SANS 1387 SET:2009 (SABS 1387 SET) Woven cotton and similar apparel fa	brics Parts 1 - 11, bound together, lo	ose-leaf
Ed 2.01 A4 53p EN PDF 53p EN		Gr 12
Covers the definitions, basic requireme similiar fabrics that are suitable for use in the remainder of this standard.	nts, and requirements for packing, labe in the manufacture of clothing, and who	ling, marking, and the inspection and testing of woven cotton and se specific requirements are covered by the relevant individual parts
SANS 1387-1:2009 (SABS 1387-1)		
Woven cotton and similar apparel fa	brics Part 1: Basic requirements	Gr 999
PDF 6p EN		59.080.30
Covers the definitions, basic requireme similiar apparel fabrics that are suitable 1387.	nts, requirements for packing, labelling, for use in the manufacture of clothing.	marking, and the inspection and testing of woven cotton and Specific requirements are covered by the relevant parts of SANS
Am 1(National), 2009-12-04		
SANS 1387-2:2009 (SABS 1387-2) Woven cotton and similar apparel fa	brics Part 2: Polyester-and-cotton wo	rkwear fabrics
PDF 4p EN		Gr 999 59.080.30
Covers the specific requirements for fiv garments and uniforms, and for one typ Am 1(National), 2009-12-04	e types of polyester-and-cotton fabric so the (Type PC 64L) suitable for use as line	uitable for use in the manufacture of light-weight suits, workwear ers in the manufacture of sleeping bags.
SANS 1387-3:2009 (SABS 1387-3)		
Woven cotton and similar apparel fa	brics Part 3: Polyester-and-viscose w	orkwear fabrics
PDF 4p EN		59.080.30
Covers the specific requirements for for garments, and uniforms. Am 1(National), 2009-12-04	ur types of polyester-and-viscose fabric	suitable for use in the manufacture of light-weight suits, workwear
SANS 1387-4:2009 (SABS 1387-4)		
Woven cotton and similar apparel fa	brics Part 4: Cotton jean and drill fab	rics
PDF 6p EN		Gr 999 59.080.30
Covers the specific requirements for techning.	n types of cotton fabric that have twill or	satin weaves, and are suitable for use in the manufacture of
Am 1(National), 2009-12-04		
SANS 1387-5:2009 (SABS 1387-5) Woven cotton and similar apparel fa	brics Part 5: Cotton flannelette fabric	s
Ed 2.01 A4 6p EN		Gr 999
Covers the specific requirements for for for two types (Types F57L en F51L) sui Am 1(National), 2009-12-04	ur types of cotton flannelette fabric suita itable for use as liners in the manufactu	59.080.30 ble for use in the manufacture of pajamas and night-dresses, and re of sleeping bags.

SANS 1387-6:2009 (SABS 1387-6) Woven cotton and similar apparel fabrics Part 6: Denim fabrics	Cr 000
PDF 4p EN	59.080.30
Covers the specific requirements for six types of denim fabric suitable for use in th Am 1(National), 2009-12-04	e manufacture of clothing.
SANS 1387-7:2009 (SABS 1387-7) Woven cotton and similar apparel fabrics Part 7: Jacket linings Ed 2.01 A4 4p EN	Gr 999
PDF 4p EN Covers the specific requirements for three types of continuous filament yarn fabric clothing. Am 1(National), 2009-12-04	59.080.30 suitable for use as body and sleeve linings in the manufacture of
SANS 1387-8:2009 (SABS 1387-8)	
Woven cotton and similar apparel fabrics Part 8: Cotton dress fabrics	
Ed 2.01 A4 4p EN PDF 4p EN	Gr 999 59.080.30
Covers the specific requirements for six types of cotton dress fabric suitable for us Am 1(National), 2009-12-04	e in the manufacture of clothing.
SANS 1387-9:2009 (SABS 1387-9)	
Woven cotton and similar apparel fabrics Part 9: Polyester-and-cotton shirt f	abrics
Ed 2.01 A4 4p EN PDF 4p EN	Gr 999 59.080.30
Covers the specific requirements for one type of polyester-and-cotton fabric suitab Am 1(National), 2009-12-04	le for use in the manufacture of shirts.
SANS 1387-10:2009 (SABS 1387-10)	
Woven cotton and similar apparel fabrics Part 10: Pocketing	Gr 999
PDF 4p EN	59.080.30
Covers the specific requirements for five types of cotton fabric suitable for use as a Am 1(National), 2009-12-04	pocketing in the manufacture of clothing.
SANS 1387-11:2009 (SABS 1387-11)	
Woven cotton and similar apparel fabrics Part 11: Polyester-and-cellulosic ra	incoat fabrics
PDF 4p EN	59.080.30
Covers the specific requirements for three types of polyester-and-cellulosic fabric s Am 1(National), 2009-12-04	suitable for use in the manufacture of raincoats.
SANS 1389:2009 (SABS 1389)	
PDF 22p EN	97.140
Covers the requirements for materials, construction, finish and performance of dini for use indoors.	ing-room tables, kitchen/messroom tables and occasional tables
Ann (national), 2009-02-00	
SANS 1390:2005 (2011-02-24) (SABS 1390) Staal ferming for private cusimming nocite	
Ed 1.02 A4 11p EN	Gr 11
PUF 11p EN Covers the requirements for private swimming pool fencing assemblies intended to	91.090; 97.220.10
area.	

Am 1(National), 1988-06-01

Am 2(National), 2005-09-30

SANS 1394-1:2009 (SABS 1394-1)	611-1	
Duvets and pillows Part 1: Plumage	filled	0. 7
PDF 18p EN		GI 7 59 040: 97 160
Covers the requirements of three types Col 1(National), 1999-04-16	of plumage filled duvets and one type Am 1(National), 2008-02-22	of plumage filled pillow Am 2(National), 2009-04-03
SANS 1394-2:2003 (2010-02-19) (SABS 1394-2)		
Duvets and pillows Part 2: Synthetic	-fibre filled	
Ed 1.02 A4 15p EN PDF 15p EN		Gr 7 59.060.20: 97.160
Covers the requirements of one type o Col 1(National), 1999-04-16	f synthetic-fibre filled duvet and one ty Am 1(National), 2003-06-27	be of synthetic-fibre filled pillow
SANS 1396:2008 (SABS 1396)		
Wooden scaffold boards		
Ed 2.01 A4 24p EN		Gr 9
PDF 24p EN		79.040; 91.220
Specifies requirements for four types o Am 1(National), 2008-06-27	f wooden scaffold board.	
SANS 1397:2003 / EN 397:1995 (2010 Industrial safety belmets)-04-16)	
Ed 1.00 A4 21p EN		Gr 9
PDF 21p EN		13.340.20
Specifies physical and performance requirements apply to helmets for gene Am 1(International), 2003-12-05	quirements, methods of test and marki eral use in industry.	ng requirements for industrial safety helmets. The mandatory
SANS 1399:2008 (SABS 1399) Wood charcoal and charcoal brique Ed 2.03 A4 19p EN PDE 19p EN	ttes for household use	Gr 8
		/5.160.10
Am 1(National), 2000-07-21	Am 2(National), 2002-02-15	Am 3(National), 2008-06-20
SANS 1400:2010 (SABS 1400) Equipment (including oculars) for ey operations - Welding helmets, hand	/e, face and neck protection against shields, goggles and welding spect	non-ionizing radiation arising during welding and similar acles
PDF 17p EN		13 340 20
Specifies requirements for the material intended to be used with protective filte	s, design and manufacture of welding rrs, filter covers and backing lenses that	helmets, hand shields, goggles and welding spectacles that are tt comply with the requirements of SANS 50169.
SANS 1401 (PARTS 1-15):2007 (SABS 1401 (PARTS 1-15))		
Woven cotton and similar household	d fabrics and articles Parts 1 - 15, bo	ound together, loose-leaf
Ed 2.01 A4 EN PDF EN		Gr 13
SANS 1401-1:2007 (SABS 1401-1) Woven cotton and similar household Ed 2.01 A4 9p EN PDF 9p EN	d fabrics and articles Part 1: Basic r	equirements for piece-goods and made-up articles Gr 999 59.080.30; 97.160
Covers the definitions, basic requireme similar household fabrics and made-up standard.	ents and requirements for packing, labe articles whose specific requirements	elling, marking, and the inspection and testing of woven cotton and are covered by the relevant individual parts in the remainder of this

Am 1(National), 2007-09-07

SANS 1401-2:2007 (SABS 1401-2)	
Ed 2.01 A4 6p EN	Gr 999
PDF 6p EN	59.080.30; 97.160
Covers the specific requirements of three types of raised sheeting fabric, and article use.	es in the form of winter sheets and pillowcases for household
Am ((National), 2007-09-07	
(SABS 1401-3:2007 (SABS 1401-3) Weven action and similar bougghold fabrics and articles Bart 2: Cotton shoot	ing checks and pilloweeeee
Ed 2.01 A4 6p EN	Gr 999
PDF ['] 6p EN	59.080.30; 97.160
Covers the specific requirements of four types of cotton sheeting fabric, and articles Am 1(National), 2007-09-07	s in the form of sheets and pillowcases for household use.
SANS 1401-4:2007 (SABS 1401-4)	
Woven cotton and similar household fabrics and articles Part 4: Polyester-and	d-cotton sheeting, sheets and pillowcases
Ed 2.01 A4 6p EN PDE 6p EN	Gr 999
Covers the specific requirements of six types of polyester-and-cotton sheeting fabri	c, and articles in the form of sheets and pillowcases for
Am 1(National), 2007-09-07	
SANS 1401-5:2007	
Woven cotton and similar household fabrics and articles Part 5: Terry towelling	ng, towels, and other terry weave articles
Ed 2.01 A4 6p EN PDF 6p EN	Gr 999 59.080.30; 97.160
Covers the specific requirements of five types of cotton terry towelling fabric, and a bathmats for household use	rticles in the form of bibs, face cloths, napkins, towels and
Am 1(National), 2007-09-07	
SANS 1401-6:2007	
(SABS 1401-6) Woven cotton and similar household fabrics and articles Part 6: Cotton curta	in fabrics
Ed 2.01 A4 4p EN	Gr 999
PDF 4p EN	59.080.30; 97.160
Covers the specific requirements of two types of cotton fabric suitable for curtaining Am 1(National), 2007-09-07	for household use.
SANS 1401-7:2007 (SABS 1401-7)	
Woven cotton and similar household fabrics and articles Part 7: Cotton curta	in lining
Ed 2.01 A4 4p EN PDE 4p EN	Gr 999
Covers the specific requirements of two types of cotton fabric suitable for curtain lin	ings for household use.
SANS 1401-8:2007	
(SABS 1401-8) Woven cotton and similar household fabrics and articles Part 8: Bedenread fa	phrice and hodenroade
Ed 2.01 A4 6p EN	Gr 999
PDF 6p EN	59.080.30; 97.160
Covers the specific requirements of three types of cotton fabrics and articles in the Am 1(National), 2007-09-07	form of bedspreads for household use.
SANS 1401-9:2007 (SABS 1401-9)	
Woven cotton and similar household fabrics and articles Part 9: Cotton flanne	elette duster fabric and dusters
Ed 2.01 A4 4p EN PDF 4p EN	Gr 999 59.080.30; 97.160
Covers the specific requirements of one type of cotton flannelette fabric and articles Am 1(National), 2007-09-07	s in the form of dusters for household use.

SANS 1401-10:2007	
Woven cotton and similar household fabrics and articles Part 10:	Cotton ticking
Fd 2.01 A4 4p FN	Gr 999
PDF 4p EN	59.080.30; 97.160
Covers the specific requirements of two types of cotton fabric suitable Am 1(National), 2007-09-07	for mattress ticking for household use.
SANS 1401-11:2007	
(SABS 1401-11)	
Woven cotton and similar household fabrics and articles Part 11:	Featherproof fabrics
Ed 2.01 A4 4p EN	Gr 999
PDF 4p EN	59.080.30; 97.160
Covers the specific requirements of two types of cotton fabric suitable Am 1(National), 2007-09-07	for use in the manufacture of feather pillows for household use.
SANS 1401-12:2007	
(SABS 1401-12)	
Woven cotton and similar household fabrics and articles Part 12:	Kitchen cloth fabric and kitchen cloths
Ed 2.01 A4 4p EN	Gr 999
	59.080.30; 97.160
Covers the specific requirements of four types of cotton kitchen cloth fi Am 1(National), 2007-09-07	abric, and made-up kitchen cloths for household use.
SANS 1401-13:2007	
(SABS 1401-13)	
Woven cotton and similar household fabrics and articles Part 13:	Cotton huckaback towelling and towels
Ed 2.01 A4 6p EN	Gr 999
PDF 6p EN	59.080.30; 97.160
Covers the specific requirements of one type of cotton huckaback towe use.	elling fabric, and articles in the form of hemmed or roller towels for household
Am 1(National), 2007-09-07	
SANS 1401-14:2007	
(SABS 1401-14)	
Woven cotton and similar household fabrics and articles Part 14:	Cotton table-cloth fabric, table-cloths, and table napkins
Ed 2.01 A4 6p EN	Gr 999
PDF 6p EN	59.080.30; 97.160
Covers the specific requirements of three types of cotton fabric, and an Am 1(National), 2007-09-07	ticles in the form of table-cloths and table napkins for household use.
SANS 1401-15:2007	
(SABS 1401-15)	
Woven cotton and similar household fabrics and articles Part 15:	Cotton dishcloth fabrics and dishcloths
Ed 2.01 A4 5p EN	Gr 999
PDF 5p EN	59.080.30; 97.160
Covers the specific requirements of three types of cotton fabric, and an Am 1(National), 2007-09-07	ticles in the form of dishcloths for household use.
SANS 1402-1:2008	
(SABS 1402-1)	
Acrylic sanitary ware Part 1: Baths	
Ed 1.02 A4 23p EN	Gr 9
PDF 23p EN	83.140.01; 91.140.70
Covers the material, design, construction and performance requiremer	nts for baths produced from acrylic sheet, and reinforced with glass-
reinforced polyester resin (GRP). The marking includes an informative	label and cautionary note.
Am 1(National), 1991-11-01 Am 2(National), 2008-03-20	
SANS 1404:2009 (SABS 1404)	
Eye-protectors for industrial and non-industrial use	
Ed 3.00 A4 32p EN	Gr 10
PDF 32p EN	13.340.20
Chapiting the characteristics of normanal and protostars for industrial a	nd non industrial use. Covers ave protestators embeduing afasel or

Specifies the characteristics of personal eye-protectors for industrial and non-industrial use. Covers eye-protectors embodying afocal or prescription lenses or combinations of these. The hazards covered are impact, molten metals, hot solids, dusts, gases, liquids and any combination of these. For protection against harmful radiation, see SANS 1400, and for more information on oculars, see SANS 50169.

SANS 1406:2006 (SABS 1406) Commercial refrigerated food d	isnlav cahinets	
Ed 3.00 A4 35p EN		Gr 10
PDF 35p EN		97.130.20
Specifies requirements for three ty foods, and liquids in containers th supply not exceeding 250 V phase	ypes and two climate classes of commercia at are for sale, and intended for operation o e to neutral.	al refrigerated display cabinets for the storage of frozen and fresh on a three-phase 440 V power supply or on a single-phase power
SANS 1407:2007 (SABS 1407)		
Anodized coatings on aluminiu	m (for general applications)	
Ed 2.01 A4 16p EN PDF 16p EN		Gr 7 25.220.20; 77.120.10
Covers six grades of anodized (ar general applications. Am 1(National), 2007-02-09	nodic oxide) coating that are used to improv	ve the resistance to corrosion of aluminium and aluminium alloys in
SANS 1408:2002		
(SABS 1408) Machaniael components for ten	den beerd verk eunnert eveteme	
Fd 2.00 A4.15n FN	idon based rock support systems	Gr 8
PDF 15p EN		21.060.10; 21.060.20
This standard gives the performar industry.	nce requirements for mechanical component	nts for tendon based rock support systems for use in the mining
SANS 1409:2008		
(SABS 1409)		in heavitele
Ed 1.04 A4.255 EN	nedical (gas and vacuum) services used	
PDF 25p EN		11 040 10: 23 040 40
Specifies the requirements for nin	e types of non-interchangeable outlet sock	ets and probes for specific medical (gas and vacuum) services used in
Am 1(National), 1989-08-01 Am 4(National), 2008-10-24	Am 2(National), 1992-05-01	Am 3(National), 2004-02-20
SANS 1411-1:2008 (SABS 1411-1)		
Materials of insulated electric c	ables and flexible cords Part 1: Conduct	tors
Ed 2.01 A4 22p EN		Gr 8
PDF 22p EN		29.050; 29.060.20
Specifies requirements for copper Am 1(National), 2008-01-18	r and aluminium conductors used in insulat	ed electric cables and flexible cords.
SANS 1411-2:2011 (SABS 1411-2)		
Materials of insulated electric c	ables and flexible cords Part 2: Polyviny	/l chloride (PVC)
Ed 2.03 A4 14p EN PDF 14p EN		Gr 7 29.035.20; 29.060.20
Specifies requirements for PVC co Am 1(National), 2006-08-25	omponents used in insulated electric cable Am 2(National), 2009-02-13	s and flexible cords. Am 3(National), 2011-12-01
SANS 1411-3:2009		
(SABS 1411-3)		
Materials of Insulated electric C	ables and flexible cords Part 3: Elastom	ers Cr. F
PDF 9p EN		Gr 5 29.035.20: 29.060.20
Specifies requirements for elastor Am 1(National), 2006-10-06	ner components in insulated electric cable: Am 2(National), 2009-10-23	s and flexible cords.

SANS 1411-4:2011 (SABS 1411-4) Materials of insulated electric cables Ed 2.03 A4 7p EN PDF 7p EN	and flexible cords Part 4: Cross-linke	d polyethylene (XLPE) Gr 5 29.035.20; 29.060.20
Specifies the requirements for cross-lind suitable for operating at a continuous co Am 1(National), 2008-01-18	ked polyethylene (XLPE) insulation of ele onductor temperature of 90 °C. Am 2(National), 2009-02-13	ctric cables. Cross-linked polyethylene insulated cables are Am 3(National), 2011-12-01
SANS 1411-5:2011 (SABS 1411-5) Materials of insulated electric cables Ed 3.02 A4 9p EN PDF 9p EN Specifies requirements for halogen-free	and flexible cords Part 5: Halogen-fre , flame-retardant components used in ins	e, flame-retardant materials Gr 6 29.035.99; 29.060.20 sulated electric cables and flexible cords.
SANS 1411-6:2008 (SABS 1411-6) Materials of insulated electric cables Ed 2.01 A4 8p EN PDF 8p EN Specifies requirements for three types of against mechanical damage both during Am 1(National), 2008-01-18	and flexible cords Part 6: Armour of metal armour materials that are compo g installation of cables and in service.	Gr 5 29.035.99; 29.060.20 nents of insulated electric cables and that provide protection
SANS 1411-7:2009 (SABS 1411-7) Materials of insulated electric cables Ed 2.01 A4 12p EN PDF 12p EN	and flexible cords Part 7: Polyethylen	e (PE) Gr 6 29.035.20; 29.060.20
Specifies requirements for polyethylene Am 1(National), 2009-02-13	(PE) components used in insulated elec	tric cables and flexible cords.
SANS 1412:2011 / ASTM F 1412:2009 Standard specification for polyolefin Ed 1.00 A4 8p EN PDF 8p EN Covers requirements for non-pressure p	pipe and fittings for corrosive waste of polyolefin pipe and fittings for corrosive w	Irainage systems Gr 6 23.040.20 aste drainage systems.
SANS 1415:2012 (SABS 1415) Textile floor coverings (needle-punch Ed 2.03 A4 19p EN PDF 19p EN Specifies the requirements for needle-p specific characteristics, such as suitabil	ned construction) unched textile floor coverings and tiles, a ity for stairs or outdoor use, and anti-stat	Gr 8 59.080.60 Ind also for a grading system for locations or areas. Does not cover ic and sound-insulation properties.
Am 1(National), 2000-04-07 SANS 1416:2013 (SABS 1416) Alkali-resistant plaster primer (pigme Ed 1.04 A4 15p EN	Am 2(National), 2009-03-13 ented, solvent-type)	Am 3(National), 2012-03-23 Gr 7
PDF 15p EN Covers requirements for a pigmented so unglazed brick, gypsum plasterboard, fil sealed with bonding liquid.	olvent-type alkali-resistant plaster primer bre-cement boards, other compressed fit	87.040 for interior and exterior use on dry cement plaster and concrete, ore wallboard compositions and gypsum plaster surfaces pre-
Am 1(National), 1999-11-19 Am 4(National), 2013-02-22	Am 2(National), 2004-06-11	Am 3(National), 2005-09-16

SANS 1418-1:2009 (SABS 1418-1)		
Aerial bundled conductor systems Par	rt 1: Cores	
Ed 1.07 A4 10p EN		Gr 5
PDF TOP EN		29.240.20
Covers the requirements for cores consis for use in aerial bundled conductor (ABC Am 1(National), 1987-08-01 Am 4(National), 1995-02-01 Am 7(National), 2009-08-14	sting of stranded conductors that are ins) systems for overhead single-phase ar Am 2(National), 1990-07-01 Am 5(National), 1996-09-01	sulated with cross-linked polyethylene (XLPE) and that are intended ad three-phase electricity distribution operating up to 600/1 000 V. Am 3(National), 1994-08-01 Am 6(National), 2007-08-31
SANS 1418-2:2009 (SABS 1418-2)		
Aerial bundled conductor systems Par	rt 2: Assembled insulated conductor	bundles
Ed 1.05 A4 16p EN PDF 16p EN		Gr 7
		29.240.20
Covers requirements for assembled insu earth core, or any combination of these.	lated conductor bundles. Also covers b	undles with or without a supporting core, an auxiliary core or an
Am 1(National), 1992-11-01 Am 4(National), 2007-08-31	Am 2(National), 1994-11-01 Am 5(National), 2009-08-14	Am 3(National), 2001-03-29
SANS 1419:2009 (SABS 1419) Carpet underlays		
Ed 2.02 A4 13p EN		Gr 6
PDF 13p EN		59.080.60
Specifies the basic requirements for carp characteristics, such as sound-insulation Am 1(National), 2008-05-23	bet underlays, and also requirements for properties and resistance to fungal atta Am 2(National), 2009-04-09	r a grading system for location or areas. Does not cover specific ack.
SANS 1420:2012 (SABS 1420)		
Bed bases (spring upholstered)		
Ed 1.02 A4 16p EN		Gr 7
PDF 16p EN		97.140
Covers the requirements for two types of mattresses for adults (see SANS 1005). Am 1(National), 2009-01-16	spring-upholstered bed bases intended Am 2(National), 2012-02-24	I for domestic use with the relevant compatible sizes of innerspring
SANS 1421:1998 / ISO 1421:1998 (2012 (SABS ISO 1421)	2-03-30)	
Rubber- or plastics-coated fabrics - Do	etermination of tensile strength and e	elongation at break
Ed 1.00 A4 14p EN	-	Gr 7
PDF 14p EN		59.080.40
Describes two methods for the determination of tensile stensile strength only.	ation of the tensile strength of fabrics cc trength and elongation at break, and the	ated with rubber or plastics, i.e., the strip test method, which is a grab test method, which is a method for the determination of
SANS 1422:2006		
(SABS 1422)	him	
Domestic electric laundry treatment m	lachines	
Ed 2.00 A4 28p EN PDF 28p EN		Gr 9 97.060
Covers domestic electric washing machin operation at voltages not exceeding 250 can be fitted with accessories such as he	nes, spin driers, tumble driers, and mac V to earth. Includes washing machines eaters, pumps, electrically operated or h	hines that perform more than one of these functions, intended for that have automatic, semi-automatic or manual control and that hand-operated wringers and spin driers.
SANS 1423-1:2008 (2012-12-14) (SABS 1423-1)		
Performance requirements for textile	abrics of low flammability Part 1: Ap	parel fabrics
Ed 1.01 A4 10p EN		Gr 5
FUF IUP EN		59.080.30
Covers the flammability performance req performance categories. Specifies requir Am 1(National), 2008-03-14	uirements of 4 classes of washable app ements for ignition time, damaged leng	parel fabrics, each class being divided into 3 flammability the and rate of flame propagation for each category.

SANS 1423-2:2009 (SABS 1423-2) Performance requirements for textile fabrics of low flammability Part 2: Curta	ain and drape fabrics
Ed 1.03 A4 10p EN PDF 10p EN	Gr 5 59 080 30
Specifies the flammability performance requirements only of four classes of curtain Am 1(National), 1989-11-01 Am 2(National), 1992-08-01	and drape fabrics. Am 3(National), 2009-08-07
SANS 1423-3:2011 (SABS 1423-3) Performance requirements for textile fabrics of low flammability Part 3: Upho Ed 2.01 A4 10p EN	olstery fabrics Gr 5
PDF 10p EN Covers the flammability performance requirements of two categories of upholstery cigarette, match-flame equivalent ignition source and internal smouldering for each Am 1(National), 2011-10-28	59.080.30 material. Specifies requirements for surface flash, smouldering n category.
SANS 1423-4:2004 (2011-04-14) (SABS 1423-4) Performance requirements for textile fabrics of low flammability Part 4: Bedo Ed 2.00 A4 11p EN PDE 11p EN	ling fabrics, bedcovers and pillows Gr 6
Covers the flammability performance requirements for four classes (three washabl pillows.	e and one dry-cleanable) of bedding fabrics, bedcovers and
SANS 1423-5:2008 (SABS 1423-5) Performance requirements for textile fabrics of low flammability Part 5: Fabri Ed 1.01 A4 12p EN PDF 12p EN Specifies the flammability performance requirements for two, categories of fabrics	ics for use in movable office partitions Gr 6 59.080.30; 97.140 for use in the make-up of movable office partitions
Am 1(National), 2008-05-23	Tor use in the make-up or movable onice partitions.
SANS 1424:2008 (SABS 1424) Filters for use in air-conditioning and general ventilation Ed 1.01 A4 13p EN PDF 13p EN Covers requirements for disposable pocket and disposable panel filters that are inti in order to remove particulate matter from the air, and that have air flow rates of at	Gr 6 23.120; 91.140.30 tended for use in air-conditioning and general ventilation systems least 0,236 m³/s (850 m³/h). Does not cover roll filters nor does
Am 1(National), 2008-07-25 SANS 1427:2006 (SABS 1427) Conforming bandages Ed 2.00 A4 13p EN PDE 13p EN	Gr 6
Covers two types of woven and four types of knitted conforming bandage for use a performance.	as surgical dressings. Specifies type, width, structure and
SANS 1429:1987 (2000-07-25) (SABS 1429) Motor vehicle safety: Strength of seats and their anchorages Ed 1.00 A4 8p EN PDF 8p EN 81/577/EEC(AI & AIII):1981, MOD; 74/408/EEC:1974, MOD	Gr 7 43.040.60
Covers the strength of seats and of their anchorages for motor vehicles of Categor rearward-facing seats.	ries M and N but does not apply to folding (tip-up), side-facing or
SANS 1430:2007 (2012-10-05) (SABS 1430)	
Anchorages for restraining devices in motor vehicles Ed 1.02 A4 16p EN PDF 16p EN Covers requirements for the location, dimensions and strength of anchorages for s	Gr 7 43.040.80 safety belt assemblies and lap belts for adult occupants of
forward-facing seats of vehicles of categories M and N, as defined in SANS 1207. Am 1(National), 2006-04-21 Am 2(National), 2007-07-13	

Am 2(National), 2007-07-13	
Standards South Africa Catalogue	2013

SANS 1433-1:2008 (SABS 1433-1)		
Electrical terminals and connectors Part 1: Terminal blocks having screw an	d screwless terminals	
Ed 1.01 A4 45p EN PDF 45p EN	Gr 11 29.120.20	
Covers terminal blocks having screw type or screwless type clamping units for the having nominal a.c. voltages of r.m.s. value not exceeding 1 000 V and frequencie 500 V.	connection of copper conductors intended for use in installations s not exceeding 60 Hz, or nominal d.c. voltages not exceeding 1	
Am 1(National), 2008-06-06		
SANS 1433-2:2008		
(SABS 1433-2)		
PDF 22p EN	29.120.20	
Covers flat push-on connectors, comprising rectangular tabs and their mating receively voltage electrical circuits and having various maximum operating temperatures up Am 1(National) , 2008-11-07	ptacles, intended for use in a.c. and d.c. medium and low to 300 $^\circ\!\! C.$	
Ani (National), 2000-11-07		
SANS 1436:1994 (2003-05-02) (SABS 1436)		
The rear-view mirrors of motor vehicles of categories M and N (Incorporating 79/795, 85/205 and 88/321, relating to the rear-view mirrors of motor vehicles	g EEC Directive 71/127, as amended by EEC Directives , with modifications)	
Ed 1.01 A4 36p EN PDF 36p EN	Gr 10 43.040.60	
71/127/EEC:1971, NEQ; 79/795/EEC:1979, NEQ; 88/321/EEC:1988, NEQ; 85/20	5/EEC:1985, NEQ	
Covers requirements for the rear-view mirrors of motor vehicles of categories M ar from the vehicle and for testing the complete vehicle. Am 1(National), 1994-05-01	nd N. It includes methods of testing rear-view mirrors removed	
SANS 1437:2003 (SABS 1437)		
Footwear soling material and footwear sole and heel components of rubber	and plastics	
Ed 2.00 A4 29p EN PDF 29p EN	Gr 9	
Covers the physical and performance requirements and test methods for rubber and footwear soling materials and footwear soling components including outersoles, m piece and pre-moulded outer sole and heel units.	nd plastics materials suitable for use in the manufacture of idsoles, heel top-pieces, full rubber heels integral with the top-	
SANS 1438-1:1987 (1999-12-15)		
(SABS 1438-1)		
Helmet light assemblies for miners Part 1: Incandescent lamps		
Ed 1.00 A4 15p EN PDF 15p EN	Gr 7 29.140.20; 73.100.20	
Covers 5 types of tungsten lamps for use in helmet light assemblies. Includes info light output, current, efficacy and life of lamps. Am 1(National), 1991-02-01	rmation regarding the effect of the supply voltage on the power,	
SANS 1438-2:1987 (1998-06-05)		
(SABS 1438-2)		
Heimet light assemblies for miners Part 2: Lead-acid batteries		
PDF 15p EN	Gr 8 29.220.20; 73.100.20	
Covers 4 V lead-acid batteries for use in helmet light assemblies. Specifies terms other hazardous locations according to the Mines and Works Act, 1956 (Act 27 of Am 1(National), 1996-09-02	of approval for assemblies intended for use in fiery mines or 1956).	
SANS 1438-3:2005 (SABS 1438-3)		
Helmet light assemblies for miners Part 3: Cables		
Ed 1.04 A4 12p EN	Gr 6	
PDF 12p EN	29.060.20; 73.100.20	
Covers cables for use in helmet light assemblies for miners.		
Am 1(National), 1990-05-01 Am 2(National), 1995-07-24 Am 4(National), 2005-03-04	Am 3(National), 2001-10-05	
SANS 1438-4:1987 (1998-06-05) (SABS 1438-4)		
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Heimet light assemblies for miners Pa	irt 4: Helmet lights (headlights)	
Ed 1.00 A4 15p EN PDE 15p EN		Gr 8
		29.140.40; 73.100.20
Covers helmet lights for use in helmet lig	int assemblies. Specifies requirements fo	r lampholder, switch, cable connection and anchorage.
SANS 1438-5:1987 (1998-06-05)		
(SABS 1438-5)	rt 5: Holmot light assomblies	
Ed 1 00 A4 12n EN	it 5. Heimet light assemblies	Gr 7
PDF 12p EN		29 140 40: 73 100 20
Covers helmet light assemblies for use ir means of a cable to a 4 V lead-acid batte Am 1(National), 1996-03-04	n mines and in fiery mines, consisting of a ery designed to be carried on the miner's	a helmet light fitted with an incandescent lamp and connected by belt. Refers to other parts of SABS 1438.
CANC 1420-2008		
SANS 1439:2000 (SABS 1439)		
Automotive upholstery fabrics		
Ed 2.04 A4 20p EN		Gr 8
PDF 20p EN		43.040.60; 59.080.30
Specifies requirements for two classes o	f textile-faced upholstery fabrics suitable	for permanent use in motor vehicles. Is not applicable to PVC-
Am 1(National), 1996-03-11 Am 4(National), 2008-10-10	Am 2(National), 1999-10-08	Am 3(National), 2004-04-08
SANS 1440-1987 (2002-07-26)		
(SABS 1440)		
Motor vehicle safety: The steering me	chanism of motor vehicles (Category I	I1 only): Behaviour on impact
Ed 1.00 A4 11p EN		Gr 8
PDF 11p EN		43.040.30
74/297/EEC:1974, MOD Covers the behaviour of the steering med movement and the force exerted on the o steering control.	chanism of Category M1 motor vehicles i driver are specified and method of test inc	n a head-on collision. Requirements for design, rearward clude a collision test of a vehicle and an impact test on the
SANS 1441:2006 (2012-12-14) (SABS 1441)		
Speedometer equipment on motor veh	nicles	
Ed 2.00 A4 6p EN		Gr 4
PDF 6p EN		43.040.30
75/443/EEC:1975, MOD; ECE R39:1983	, MOD	
Covers requirements for speedometer ec	quipment on category M or N motor vehic	les.
SANS 1442:2008 (SABS 1442) Roadstuds		
Ed 1.03 A4 14p EN		Gr 6
PDF 14p EN		93.080.30
Covers three categories of retro-reflective not cover (a) temporary roadstuds; (b) th roadstuds of different colours to convey i	e roadstuds intended to be fitted onto or i e method of securing the roadstuds to th nformation to road users.	nto road surfaces for use as supplementary road marking. Does e road surface; (c) the positioning of roadstuds; or (d) the use of
	Am 2(National), 1992-11-01	Am s(National), 2008-03-14
SANS 1443:1987 (2000-07-25) (SABS 1443)		
Motor vehicle safety: Door latches and	d hinges	
Ed 1.00 A4 11p EN		Gr 8
		43.040.60
/0/38//EEC:19/0, MOD		

Covers latches and door retention components such as hinges and other supporting means on side doors that can be used for the entry to or exit of the occupants from motor vehicles of Categories M and N as defined in SABS 1207.

SANS 1444 SET:2009 (SABS 1444 SET) Schoolwear fabrics Parts 1 - 8, bound together, loose leaf, binder extra Ed 2.02 A4 47p EN PDF 47p EN	Gr 11
Covers the definitions, basic requirements, and requirements for packing, labell suitable for use in the manufacture of school clothing, and whose specific require	ing, marking and the inspection and testing of fabrics that are rements are covered by the relevant parts of this standard.
SANS 1444-1:2009 (SABS 1444-1) Schoolwear fabrics Part 1: Basic requirements	0.1 000
PDF 4p EN	Gr 999 59.080.30
suitable for use in the manufacture of school clothing. Specific requirements are Am 1(National), 2008-06-13 Am 2(National), 2009-12-04	e covered by the relevant parts of SANS 1444.
SANS 1444-2:2009 (SABS 1444-2) Schoolwear fabrics Part 2: Blazer fabrics Ed 2.02 A4 6p EN	Gr 999
PDF 6p EN	59.080.30
Covers the specific requirements for six types of plain dyed fabric and one type blazers. Am 1(National), 2008-06-13 Am 2(National), 2009-12-04	of striped fabric suitable for use in the manufacture of schoolwear
SANS 1444-3:2009 (SABS 1444-3) Schoolwear fabrics Part 3: Polyester-and-wool fabrics Ed 2.02 A4 6p EN	Gr 999
PDF 6p EN	59.080.30
Covers the requirements for polyester-and-wool fabrics suitable for use in the m Am 1(National), 2008-06-13 Am 2(National), 2009-12-04	nanufacture of school clothing.
SANS 1444-4:2009 (SABS 1444-4) Schoolwear fabrics Part 4: Polyester-and-viscose fabrics Ed 2.02 A4 6p EN PDF 6p EN	Gr 999
Covers the requirements for polyester-and-viscose fabrics, of three weave struc Am 1(National), 2008-06-13 Am 2(National), 2009-12-04	stures, suitable for use in the manufacture of school clothing.
SANS 1444-5:2009 (SABS 1444-5) Schoolwear fabrics Part 5: Polyester-and-cotton fabrics	
Ed 2.02 A4 6p EN	Gr 999
Covers the requirements for polyester-and-cotton fabrics, of two weave structur	59.080.30 es, suitable for use in the manufacture of school clothing.
Am (National), 2000-00-13 Am 2(National), 2009-12-04	
(SABS 1444-6) Schoolwear fabrics Part 6: Shirting and blouse fabrics	
Ed 2.02 A4 6p EN PDF 6p EN	Gr 999 59.080.30
Covers the requirements for fabrics suitable for use in the manufacture of schoolAm 1(National), 2008-06-13Am 2(National), 2009-12-04	plwear shirts and blouses.
SANS 1444-7:2009 (SABS 1444-7) Schoolwear fabrics Part 7: Fabrics containing textured varus	
Ed 2.02 A4 6p EN PDF 6p EN	Gr 999 59 080 30
Covers the specific requirements for fabrics, of two weave structures, containing clothing.	g textured yarns suitable for use in the manufacture of school
Am 1(National), 2008-06-13 Am 2(National), 2009-12-04	

CANC 1444 0-0000	
(SABS 1444-8)	
Schoolwear fabrics Part 8: Warp-knitted fabrics	
Ed 2.02 A4 4p EN PDF 4p EN	Gr 999 59.080.30
Covers the specific requirements for one type of warp-knitted fabric suitable for useAm 1(National), 2008-06-13Am 2(National), 2009-12-04	in the manufacture of school clothing.
SANS 1445-2:2008 (SABS 1445-2)	
Thermal insulation materials for industrial applications Part 2: Metal-mesh-fa	ced mineral fibre mattresses
Ed 1.01 A4 26p EN PDF 26p EN	Gr 9 27.220; 91.100.60
Covers mineral fibre mattresses faced on one or on both sides with a flexible metal applications. It does not cover the acoustical or electrical properties of the insulation Am 1(National), 2008-05-09	and intended for use as thermal insulation in industrial g material.
SANS 1445-3:2008 (SABS 1445-3)	
Thermal insulation materials for industrial applications Part 3: Bonded prefor	med mineral fibre pipe sections
Ed 1.01 A4 15p EN PDF 15p EN	Gr 7 91.100.60
Covers bonded preformed mineral fibre pipe sections intended for use as thermal Am 1(National), 2008-03-14	insulation in industrial applications.
SANS 1446:2007 (SABS 1446)	
Glass rovings	
Ed 1.02 A4 18p EN PDF 18p EN	Gr 7
Covers the requirements for two types of rovings of E-type glass, of eight recomme Am 1(National), 2000-05-04 Am 2(National), 2007-07-13	ended nominal fibre diameters.
SANS 1447-1-2007	
(SABS 1447-1)	
Braking (motor and towed vehicles, designed for low speed or for use off pul	olic roads) Part 1: Low speed vehicles
Ed 2.01 A4 13p EN PDF 13p EN	Gr 6 43 040 40: 65 060 10
Applies to the braking systems of low speed motor vehicles with a maximum desig	n speed of between 6 km/h and 40 km/h. and motor vehicles for
use off public roads. Am 1(National), 2007-09-14	
SANS 1447-2:2007	
(SABS 1447-2) Praking (motor and towad vahialas, designed for low aread or for use off pul	alia raada) Bart 2: Law anaad trailara
Ed 2.01 A4 24p EN	Gr 9
PDF 24p EN	43.040.40; 65.060.10
Applies to the braking systems of low speed trailers, including trailers purely for age between 6 km/h and 40 km/h. Am 1(National), 2007-10-26	ricultural and forestry purposes, with a maximum speed of
SANS 1448:2006 (SABS 1448)	
Wax emulsion for coating citrus fruit	
Ed 2.00 A4 15p EN	Gr 7
PDF 15p EN	67.080.10; 75.140
Covers requirements for wax emulsions that are used on citrus fruit to replace the i washing and brushing.	natural coating that has been partially or entirely removed by
SANS 1449:2012 (SABS 1449)	
Ceramic wall and floor tiles	0- 11
Ed 2.02 A4 4/p EN PDF 47p EN	91.100.23
Specifies the requirements for glazed and unglazed ceramic wall and floor tiles. Am 1(National), 2008-03-14 Am 2(National), 2012-04-26	

SANS 1451-1:2008 (SABS 1451-1)		
Hearing protectors Part 1: Ear-muffs		
Ed 1.02 A4 22p EN PDF 22p EN		Gr 8 13.340.20
Covers constructional, design and perfo Am 1(National), 1991-02-01	rmance requirements for ear-muffs inten Am 2(National), 2008-03-07	ded for use as hearing protectors.
SANS 1451-2:2008 (SABS 1451-2)		
Hearing protectors Part 2: Ear-plugs		
Ed 1.01 A4 7p EN PDF 7p EN		Gr 5 13.340.20
Covers constructional and performance Am 1(National), 2008-03-14	requirements for ear-plugs intended for u	use as hearing protectors.
SANS 1451-3:2008 (SABS 1451-3)		
Hearing protectors Part 3: Ear-muffs	attached to an industrial safety helmet	t
Ed 1.02 A4 31p EN	-	Gr 10
PDF 31p EN		13.340.20
Specifies constructional, design and per industrial safety helmets. Real-ear atter subjective method specified in ISO 486	rformance requirements for ear-muffs intention characteristics of the ear-muffs/sa 9-1.	ended for use as hearing protectors and that are attached to afety helmet combination are measured in accordance with the
Am 1(National), 2007-02-23	Am 2(National), 2008-05-30	
SANS 1452:2005 (2012-10-26) (SABS 1452)		
Overhead projectors		
Ed 1.01 A4 16p EN PDF 16p EN		Gr 7 37.040.10; 37.080
Covers overhead projectors for the proje Am 1(National), 2005-07-22	ection by transmitted light of images on a	transparent medium.
SANS 1453:2011 (SABS 1453)		
Copper tubes for medical gas and va	cuum services	
Ed 1.04 A4 13p EN		Gr 6
PDF 13p EN		11.040.10; 77.150.30
Covers requirements for plain-ended co suitable for jointing by compression fittir Am 1(National), 1997-08-11 Am 4(National), 2011-03-18	pper tubes suitable for low pressure med ngs or capillary solder fittings that comply Am 2(National), 2008-07-18	ical gas and vacuum services and, using the preferred size range, with SANS 1067-1 and SANS 1067-2 respectively.Am 3(National), 2010-01-22
SANS 1456-1:2007		
Collapsible delivery hose for fire figh	ting nurposes Part 1: General requirer	nents and methods of test
Ed 1.02 A4 18p EN	ang purposes i art it deneral requirer	Gr 7
PDF 18p EN		13.220.10
Covers general requirements and metho Am 1(National), 1993-11-01	ods of test for collapsible delivery hose fo Am 2(National), 2007-11-23	r fire fighting purposes.
SANS 1456-2:2007 (2012-08-24)		
(SABS 1456-2)		
Collapsible delivery hose for fire figh	ting purposes Part 2: Percolating fire I	hose
Ed 1.03 A4 10p EN PDF 10p EN		Gr 5 13.220.10
Covers the dimensions of and performa Cor 1(National), 1993-02-02	nce requirements for percolating delivery Am 1(National), 1993-11-01	hose for fire fighting purposes. Am 2(National), 2007-11-30
SANS 1456-3:2007 (2012-08-24)		
Collapsible delivery base for fire figh	ting nurnoses Part 3: Uncoated non-ne	ercolating fire hose
Ed 1.02 A4 9p EN		Gr 5
гог эр ем		13.220.10
Covers the dimensions of and performa Am 1(National), 1993-11-01	nce requirements for uncoated non-perco Am 2(National), 2007-11-23	plating delivery hose for fire fighting purposes.
	Standards South Africa Catalogue	2013

SANS 1456-4:2007 (2012-08-24) (SABS 1456-4)	ting purpage Bart 4. Costed non pa	realisting fire base
Ed 1.03 A4 10p EN	ing purposes Part 4. Coaleu non-per	Gr 5
PDF 10p EN		13.220.10
Covers the dimensions of and performant Cor 1(National), 1993-02-02	Am 1(National), 1993-11-01	y hose for fire fighting purposes. Am 2(National), 2007-11-30
SANS 1456-5:2007 (SABS 1456-5)		
Ed 1.03 A4 10p EN PDF 10p EN	ing purposes Part 5: Oli-resistant an	Gr 5 13.220.10
Covers the dimensions of and perfoman Cor 1(National), 1993-02-02	ce requirements for oil-resistant and ch Am 1(National), 1993-11-01	emical-resistant delivery hose for fire fighting purposes. Am 2(National), 2007-11-30
SANS 1457:2008 (2013-03-15) (SABS 1457) Plastics buttons		
Ed 1.01 A4 15p EN PDF 15p EN		Gr 7 61.040
Covers the design and material requiren Am 1(National), 2008-02-22	nents, dimensions and performance of r	round plastic (but not surface-dyed) buttons.
SANS 1459:2004 (2008-12-05) (SABS 1459) Traffic lights		
Ed 1.04 A4 23p EN PDF 23p EN		Gr 9 29.140.40; 93.080.40
Covers electrically operated signal lights lights, depending on their photometric po	for the warning and regulation of vehic erformance, i.e. normal intensity and hid	ular traffic and pedestrian traffic. Two classes of vehicular traffic and intensity, are covered.
Am 1(National), 1990-08-23 Am 4(National), 2004-04-08	Am 2(National), 2001-04-06	Am 3(National), 2002-05-23
SANS 1460:2006 (SABS 1460)		
Laminated timber (glulam) Ed 1.04 A4 34p EN PDF 34p EN		Gr 10 79.040
Covers general requirements for softwoor the general fibre direction parallel to the	od and hardwood laminated members th longitudinal or curved axis of each men	nat consist of laminations glued or otherwise bonded together with nber.
Am 1(National), 1992-02-01 Am 4(National), 2006-12-01	Am 2(National), 1993-02-01	Am 3(National), 2003-05-30
SANS 1463-1:2010 / EN 1463-1:2009 Boad marking materials - Betroreflect	ing road studs Part 1: Initial perform	ance requirements
Ed 2.00 A4 26p EN PDF 26p EN		Gr 10 93.080.20
Specifies the initial performance require temporary road marking materials.	ments and laboratory test methods for r	etroreflecting road studs intended for use as permanent and
SANS 1463-2:2007 / EN 1463-2:2000 Road marking materials - Retroreflect	ing road studs Part 2: Road test perf	ormance specifications
Ed 1.00 A4 13p EN		Gr 7

Ed 1.00 A4 13p EN PDF 13p EN

Describes a test method for carrying out road trials on retroreflecting road studs for use in both permanent and temporary applications. Specifications are given for test sites and for application patterns, and a recommendation is given for the presentation of the results in the form of a test report.

93.080.20

SANS 1464-22:2011 (SABS 1464-22)		
Safety of luminaires Part 22: Lu	minaires for emergency lighting	
Ed 1.04 A4 16p EN		Gr 7
PDF 16p EN		13.200; 29.140.40
Specifies requirements for the safe lamps that operate at supply volta- reference is made.	ety of emergency lighting luminaires for us ge not exceeding 1 000 V. It has to be rea	e with tungsten filament, tubular fluorescent and other discharge d in conjunction with those sections of SANS 60598-1 to which
Am 1(National), 1998-11-06 Am 4(National), 2011-08-05	Am 2(National), 2004-07-23	Am 3(National), 2007-12-14
SANS 1465-1:2010 (SABS 1465-1)		
Steel castings for general engin	eering applications Part 1: Carbon and	low alloy steel castings
Ed 1.02 A4 14p EN		Gr 6
PDF 14p EN		77.140.20
Covers 18 grades of steel castings Am 1(National), 2008-10-10	s for general engineering applications. Am 2(National), 2010-10-22	
SANS 1465-2:2008 (SABS 1465-2)		
Steel castings for general engin	eering applications Part 2: Wear-resist	ant carbon and low alloy steel castings
Ed 1.01 A4 14p EN		Gr 6
PDF 14p EN		77.140.20
Covers 10 grades of steel castings Am 1(National), 2008-11-21	s for applications requiring resistance to w	ear.
SANS 1465-3:2010 (SABS 1465-3)		
Steel castings for general engin	eering applications Part 3: Corrosion-r	esistant and heat-resistant steel castings
Ed 1.02 A4 16p EN		Gr 7
PDF 16p EN		77.140.20
Covers 30 grades of steel castings Am 1(National), 2008-11-21	s for applications requiring corrosion resist Am 2(National), 2010-10-22	ance and heat resistance.
SANS 1467:2007 (2012-06-01) (SABS 1467)		
Narrow bandsaw blades		
Ed 1.02 A4 19p EN		Gr 8
PDF 19p EN		25.080.60; 79.120.10
Covers requirements for the mater supplied in coil form or welded bar	rial, dimensions and hardness of 3 classes nd form.	s of narrow bandsaw blades for cutting metal, wood or meat and
Am 1(National), 1995-10-01	Am 2(National), 2007-06-13	
SANS 1468:2006 (SABS 1468)		
Roll-over protection structures t amended by EEC Directive 82/9 testing) with modifications)	for wheeled agricultural or forestry trac 53, relating to the roll-over protection s	tors (static testing)(Incorporating EEC Directive 79/622, as tructures of wheeled agricultural or forestry tractors (static
Ed 1 01 A4 27n FN		Gr 9
PDF 27p EN		65.060.10
79/622/EEC:1979. MOD: 82/953/F	EC:1982, MOD	
Covers the performance requirement protection structures intended for s Am 1(National), 2006-12-15	ents and a static test for roll-over protectic special purpose tractors.	n structures of agricultural or forestry tractors. Does not cover roll-ove
SANS 1470-1:2008 (SABS 1470-1)		
Sound power labelling Part 1: C	ompressors	
Ed 1.02 A4 14p EN	·	Gr 6
PDF 14p EN		17.140.20; 23.140
Covers the requirements for the la of the labelled value.	belling of compressors with a noise emiss	sion value and specifies the test method to be used for the verification
Am 1(National), 1999-05-14	Am 2(National), 2008-02-22	

SANS 1470-2:2008		
(SABS 1470-2)		
Sound power labelling Part 2: Weldin	ng generators	
PDF 11p EN		
Covers the requirements for the labellin	a of welding generators with a noise	amission value and specifies the test method to be used for the
verification of the labelled value.	ig of weiding generators with a holse	emission value and specifies the test method to be used for the
Am 1(National), 1999-05-14	Am 2(National), 2008-02-22	
SANS 1470-3:2008		
(SABS 1470-3)		
Sound power labelling Part 3: Rotati	ng electrical machinery	
Ed 2.00 A4 13p EN		Gr 6
PDF 13p EN		17.140.20; 29.160.01
Covers the requirements for the labellir the verification of the labelled value.	ng of rotating electrical machinery with	a noise emission value and specifies the test method to be used for
SANS 1470-4:2008 (SABS 1470-4)		
Sound power labelling Part 4: Pneum	natic equipment	
Ed 2.00 A4 21p EN		Gr 8
PDF 21p EN		17.140.20; 23.140
Covers the requirements for the labellir verification of the labelled value.	ng of pneumatic equipment with a nois	e emission value and specifies the test method to be used for the
SANS 1471:1996 / EN 1471:1996 (200 (SABS EN 1471)	6-06-09)	
Textile floor coverings - Assessment	of changes in appearance	
Ed 1.00 A4 8p EN		Gr 7
PDF 8p EN		59.080.60
Describes procedures for assessing the Am 1(National), 2006-06-09	e changes in appearance of textile floo Am 1(International), 2006-06-09	or coverings caused by any testing device.
SANS 1472:2005 (2011-03-25) (SABS 1472)		
Plastics safety glazing materials for	motor vehicles	
Ed 1.01 A4 25p EN		Gr 9
PDF 25p EN		43.040.65; 83.140.20
Covers requirements for plastics safety or N motor vehicles. Does not cover ins mounting of glazing materials. Am 1(National), 2005-03-04	glazing materials for use on category trument dial windows, rear-view mirro	M, N and O motor vehicles, excluding the windscreens of category M ors, light covers, bullet-resistant glazing materials, or methods for the
SANS 1475-1-2010		
(SABS 1475-1)		
The production of reconditioned fire	-fighting equipment Part 1: Portabl	e and wheeled (mobile) rechargeable fire extinguishers
Ed 3.04 A4 33p EN		Gr 10
PDF 33p EN		13.220.10
Covers the administrative and technica rechargeable fire extinguisher.	l details and controls applicable to the	acceptable reconditioning of any portable and wheeled (mobile)
Am 1(National), 2004-07-30 Am 4(National), 2010-06-04	Am 2(National), 2005-07-15	Am 3(National), 2006-11-10
SANS 1475-2:2010 (SABS 1475-2)		
The production of reconditioned fire	-fighting equipment Part 2: Fire hos	se reels and above-ground hydrants
Ed 4.01 A4 15p EN PDF 15p EN		Gr 7 13.220.10
This part of SANS 1475 specifies the p not cover the replacement or installatio	rocedures that apply to the effective r n of hose reels and above-ground hyd	econditioning of fire hose reels and above-ground fire hydrants. It does Irants.

Am 1(National), 2010-06-04

SANS 1476:2013	
Fabricated flanged steel pipework	
Ed 1.03 A4 19p EN Gr 8	
PDF 19p EN 23.040.10; 23.040.60	
Covers requirements for fabricated carbon steel pipework, pipes and fittings (such as bends, tees and maninominal bore size not exceeding 600 mm and for use at pressures of up to 4 MPa and at temperatures in the Am 1(National), 2006-07-14 Am 2(National), 2009-10-23 Am 3(National), 2013-03	folds) with welded-on flanges, of ie range -10 °C to +200 °C. 3-15
SANS 1477-1:2008	
(SABS 1477-1)	
Ed 2 00 A4 10p EN	ouplings
PDF 10p EN 43.040.40	
Specifies the dimensions required for the correct mating of contact type couplings for connecting the pneum (towing) vehicles to drawn vehicles (trailers or semi-trailers). Also covers performance and marking requiren couplings.	natic braking systems of drawing nents and tests for contact type
SANS 1477-2:2005 (2011-03-25) (SABS 1477-2)	
Pneumatic braking system connections between drawing and drawn vehicles Part 2: Palm type cour	olings
Ed 1.01 A4 8p EN Gr 5	
PDF 8p EN 43.040.40	
Covers the dimensional requirements necessary to ensure the correct mating of palm type couplings intende braking systems of drawing vehicles to trailers or semi-trailers. Am 1(National), 2005-04-15	ed for connecting the pneumatic
SANS 1477-3:2005 (2011-03-25)	
(SABS 1477-3)	
Pneumatic braking system connections between drawing and drawn vehicles Part 3: The arrangeme	ent of connections on vehicles,
Ed 1.02 A4 14p EN Gr 6	
PDF 14p EN 43.040.40	
Covers the arrangement of the connections of two-line pneumatic braking systems installed on drawing veh trailers, using contact type or palm type couplings. Am 1(National), 1993-08-01 Am 2(National), 2005-04-15	icles and drawbar trailers or semi-
SANS 1480:2005 (2010-08-20)	
(SABS 1480)	
Single control mixer taps	
Ed 1.02 A4 16p EN Gr 7	
23.060.30; 91.140.60	
covers mixer taps (mixers) that are manually operated by means of a single control having a separate and i controlling the flow rate and the temperature, intended for use with water at 75 °C maximum. Am 1(National), 2000-04-07 Am 2(National), 2005-05-20	independent mode of operation for
SANS 1482:2010 (SABS 1482)	
Ladies' shoes, flat lasted, with stuck-on outer soles	
Ed 2.01 A4 32p EN Gr 10	
PDF 32p EN 61.060	
Specifies requirements for materials and construction for ladies' shoes made in accordance with the flat-last Am 1(National), 2010-07-02	ted stuck-on principle.
SANS 1484:2007	
(JADJ 1404) Permitted explosives	
Ed 2.00 A4 11p EN Gr 6	
PDF 11p EN 71.100.30	
The standard covers two groups of explosives for use in fiery mines.	

SANS 1485:2007 (SABS 1485) Elevible intermediate bulk containers	
Ed 1.01 A4 13p EN PDE 13p EN	Gr 6
Covers new FIBCs of nominal capacity not exceeding 3 m3 and of maximum gross non-dangerous solids in granulated or powder form and dangerous solids of Group Am 1(Netional) 2007 03 16	s mass not exceeding 3 000 kg, for transportation and storage of ps II and III.
Am 1(National), 2007-03-16	
(SABS 1486-1)	
Ed 1.02 A4 25p EN	Gr 9
PDF 25p EN	97.080
Covers the quality and performance of electrically operated vacuum cleaners for h exceeding 1 000 W and a dust receptacle of capacity not exceeding 20 L, for oper Am 1(National), 1996-12-09 Am 2(National), 2006-02-16	ousehold and similar use, that have motors of rated input not ation at voltages not exceeding 250 V to earth.
SANS 1486-2:2006	
Domestic electric floor treatment machines Part 2: Floor polishers	
Ed 1.02 A4 19p EN	Gr 8
Covers requirements for the quality and performance of electrically operated floor	97.080 polishers (including floor scrubbers and suction polishers) for
household and similar use, that have motors of rated input not exceeding 1 000 W intended for operation at voltages not exceeding 250 V to earth.	and a track width not greater than 325 mm and that are
SANS 1489:2001 (SABS 1489) Elamenroof restrained and bolted type plugs and sockets	
Ed 2.01 A4 36p EN	Gr 11
PDF 36p EN	29.120.30; 29.260.20
Specifies dimensional and performance requirements for flameproof restrained typ (incorporating three power contacts, one pilot contact for electrical interlocking and mining apparatus which is connected to its power supply by means of an individua Am 1(National), 2001-11-30	be and bolted type plugs, sockets and plug coupling units d a scraping earthing contact) primarily intended for use with ally screened flexible cable.
SANS 1489-1:2012	
Electrical connectors in group I and group II hazardous areas Part 1: Genera	Il requirements for group I hazardous areas
PDF 34p EN	29.120.30; 29.260.20
Specifies general requirements for electrical connectors of a restrained type or a bleast one pilot contact for electrical interlocking and earth continuity) primarily interpower supply by means of an individually screened flexible cable or a collectively of	polted type (which incorporates up to three power contacts, at nded for use in group I hazardous areas, and connected to its or individually steel-armoured cable.
SANS 1489-2:2013	
Electrical connectors in group I and group II hazardous areas Part 2: Restrai	ined type plugs and sockets for group I hazardous areas
PDF 53p EN	29.120.30; 29.260.20
Specifies general requirements for electrical connectors of a restrained type (whic contact for electrical interlocking and earth continuity) primarily intended for use in means of a flexible electric trailing cable (SANS 1520-1 and SANS 1520-2) or a st applicable part of SANS 1507.	h incorporates up to three power contacts, at least one pilot group I hazardous areas, and connected to its power supply by eel armoured (PVC) non-halogen cable in accordance with the
SANS 1489-3:2012	type pluge and sockets for group I bazardous areas
Ed 1.00 A4 28p EN	Gr 9
PDF 28p EN	29.120.30; 29.260.20
Specifies requirements for electrical connectors of a bolted type (which incorporate electrical interlocking and earth continuity) primarily intended for use in group I has flexible electric trailing cable (SANS 1520-1 and SANS 1520-2) or a steel armoure part of SANS 1507.	es up to three power contacts, at least one pilot contact for zardous areas and connected to its power supply by means of a ed (PVC) non-halogen cable in accordance with the applicable

SANS 1492-1:2010 (SARS 1492-1)	
Men's shoes with stuck-on outer soles Part 1: Flat lasted construction	
Ed 2.01 A4 28p EN PDF 28p EN	Gr 9 61.060
Specifies requirements for materials and construction for men's shoes with stuck- Am 1(National), 2010-07-02	on outer soles, made in accordance with the flat lasted principle.
SANS 1492-2:2010 (SABS 1492-2)	
Men's shoes with stuck-on outer soles Part 2: California type construction	
Ed 2.01 A4 28p EN PDF 28p EN	Gr 9 61.060
Specifies requirements for materials and construction for men's shoes with stuck- principle.	on outer soles, made in accordance with the California type
Am 1(National), 2010-07-02 SANS 1492-3:2010	
(SABS 1492-3)	
Ed 2.01 A4 29p EN	Gr 9
PDF 29p EN	61.060
Specifies requirements for materials and construction for men's shoes with stuck- principle, with or without stitching. Am 1(National), 2010-07-02	on outer soles, made in accordance with the moccasin type
SANS 1493:2007 (SABS 1493)	
Electroless nickel-phosphorus plated coatings	
Ed 1.01 A4 24p EN PDF 24p EN	Gr 9 25.220.40
Covers the requirements and methods of test for the plated coatings on metallic s Am 1(National), 2007-06-29	ubstrates.
SANS 1494:2007 (SABS 1494)	
Mobile refuse bins	
Ed 1.01 A4 12p EN PDF 12p EN	Gr 6 13.030.40
Covers 240 L bins of thermoplastic material that are provided with wheels and are Am 1(National), 2007-03-16	intended for use with mechanical equipment.
SANS 1496:2008 (SABS 1496)	
Wheel flaps fitted to motor vehicles	
Ed 1.04 A4 9p EN PDF 9p EN	Gr 5 43 040 60
Covers the requirements for wheel flaps fitted to motor vehicles and to articulated respectively, exceeding 7,5 t, and to trailers of gross vehicle mass exceeding 3,5 protection against stones, mud or other debris thrown up by the vehicle tyres. Also guards, and wheel flaps for rear wheels on single or multiple axles of motor vehicl the wheels are covered by the floor of the vehicle body. Does not apply to (a) the that pivot about the centre point of the axle or the axle unit, and (b) the rear axle(s semi-trailer is equipped with wheel flaps to guard the rear axle(s) of the truck tract Am 1(National), 1999-12-10 Am 2(National), 2001-06-25 Am 4(National), 2008-05-23	tractor units of gross vehicle mass or gross combination mass, t, for the purpose of providing other road users with some o covers wheel flaps attached to conventional types of wheel es and trailers when conventional wheel guards are not fitted and rearmost axles of an end-tipping semi-trailer of the scissors type, s) of a truck tractor first registered before January 2001, where the for. Am 3(National), 2007-03-09
SANS 1497:2006 (SABS 1497)	
Biocides for use in industrial cooling water	0.7
Ed 2.00 A4 1/p EN PDF 17p EN	Gr / 07.100.20: 13.060.25: 13.060.70
Covers three types of organic biocides (liquid, paste or solid) that are intended for have clean surfaces.	the control of micro-organisms in industrial cooling systems that

SANS 1498:2007		
(SABS 1498)	line weter	
Algaecides for use in industrial coo	ing water	Cr 7
PDF 15p EN		07 100 20: 13 060 25: 13 060 70
Covers three types of organic algaecic	es (liquid, paste or solid) for the contro	I of algae in industrial cooling water systems that have clean surfaces.
SANS 1502:2008 (SABS 1502)		
Microwave cooking appliances for o	Iomestic use	
Ed 2.04 A4 8p EN		Gr 5
PDF 8p EN		97.040.20
Covers constructional, performance ar that use electromagnetic energy for he supply of voltage not exceeding 250 V	nd quality requirements for microwave or ating and cooking food and that are int .	cooking appliances with a rated power output not exceeding 1 100 W, ended for operation on a substantially sinusoidal single-phase a.c.
Am 1(National), 1997-11-03 Am 4(National), 2008-06-27	Am 2(National), 2000-05-11	Am 3(National), 2006-09-01
SANS 1504:1990 (2000-12-13) (SABS 1504)		
Prestressed concrete lintels		
Ed 1.00 A4 10p EN		Gr 7
FDF TOP EN		91.100.40
Covers precast prestressed concrete I	ntels for use in composite action with r	nasonry work.
SANS 1505-1:2007 (SABS 1505-1) Ball type couplings and towing brack Ed 2.03 A4 14p EN PDF 14p EN	kets for towing caravans and light t	railers Part 1: Towing brackets and integrated towing devices Gr 6 43.040.70
Specifies requirements for towing brac exceeding 22 000 kg, and intended for Am 1(National), 1998-09-11	kets and integrated towing devices inte towing a caravan or a light trailer of G ^N Am 2(National), 2005-08-05	ended to be fitted to towing vehicles of gross vehicle mass (GVM) not VM not exceeding 3 500 kg. Am 3(National), 2007-05-18
SANS 1505-2:2007		
(SABS 1505-2)		
Ball type couplings and towing brac	kets for towing caravans and light t	railers Part 2: Coupling balls and ball supports
Ed 2.03 A4 10p EN		Gr 5
		43.040.70
Specifies requirements for coupling base exceeding 22 000 kg, and intended for Am 1(National), 1999-02-05	Ils and ball supports intended to be fifte towing a caravan or a light trailer of G ^N Cor 1(National), 2002-06-28	ed to the towing brackets of vehicles of gross vehicle mass (GVM) not VM not exceeding 3 500 kg. Am 2(National), 2007-10-12
SANS 1505-3:2007 (SABS 1505-3)		
Ball type couplings and towing brac	kets for towing caravans and light t	railers Part 3: Coupling sockets
Ed 2.03 A5 10p EN		Gr 5
PDF 10p EN		43.040.70
Specifies requirements for coupling so kg.	ckets intended to be fitted to a caravan	n or a light trailer of gross vehicle mass (GVM) not exceeding 3 500
Am 1(National), 1999-02-05	Am 2(National), 2002-08-16	Am 3(National), 2007-10-12
SANS 1507-1:2007 (SABS 1507-1)		
Electric cables with extruded solid	lielectric insulation for fixed installa	tions (300/500 V to 1 900/3 300 V) Part 1: General
Ed 1.01 A4 13p EN PDF 13p EN		Gr 6 29.060.20; 29.240.20
Covers the definitions, requirements for insulated cables of rated operating vol 1507-2 to SANS 1507-6. Specific requires overall risk associated with fires.	r packing and marking, and informative age (U0 / U) in the range 300/500 V to irements are given for a number of type	e annexes for single-core and multicore extruded solid dielectric 1 900/3 300 V, for use in fixed installations, as covered by SANS es of cables in common use. It also covers cables that reduce the

Am 1(National), 2007-12-14

SANS 1507-2:2007 (SABS 1507-2) Electric cables with extruded solid dielectric insulation for fixed installations Ed 1.01 A4 13p EN PDF 13p EN	s (300/500 V to 1 900/3 300 V) Part 2: Wiring cables Gr 6 29.060.20; 29.240.20
Covers the requirements for construction, materials, dimensions and electric prop dielectric insulated cables with rated operating voltages (U0 / U) of 300/500 V and area of 16 mm2 for use in fixed installations. Am 1(National), 2007-12-14	erties of unarmoured single-core and multicore extruded solid 600/1 000 V, up to and including a conductor cross-sectional
SANS 1507-3:2007 (SABS 1507-3) Electric cables with extruded solid dielectric insulation for fixed installations cables	s (300/500 V to 1 900/3 300 V) Part 3: PVC Distribution
Ed 1.01 A4 17p EN PDF 17p EN	Gr 7
Covers the requirements for construction, materials, dimensions and electric prop of rated operating voltages (U0 / U) 600/1 000 V and 1 900/3 300 V, for use in fixe Am 1(National), 2007-12-14	erties of single-core and multicore extruded PVC insulated cables d installations.
SANS 1507-4:2012 (SABS 1507-4) Electric cables with extruded solid dielectric insulation for fixed installations cables	s (300/500 V to 1 900/3 300 V) Part 4: XLPE Distribution
Ed 1.03 A4 18p EN PDF 18p EN	Gr 7
Covers the requirements for construction, materials, dimensions and electric prop operating voltages (U0 / U) 600/1 000 V and 1 900/3 300 V, for use in fixed install insulated armoured and unarmoured circular cables with protective covering(s). Am 1(National) 2007-12-14 Am 2(National) 2009-05-22	erties of multicore extruded XLPE insulated cables of rated ations. Specific types of cables covered are multicore XLPE
Am ((valional), 2007-12-14 Am 2(valional), 2005-05-22	Am o(National), 2012-00-22
(SABS 1507-5.2012 (SABS 1507-5) Electric cables with extruded solid dielectric insulation for fixed installations distribution cables	s (300/500 V to 1 900/3 300 V) Part 5: Halogen-free
Ed 1.03 A4 19p EN PDF 19p EN	Gr 8 29 060 20: 29 240 20
Covers the requirements for construction, materials, dimensions and electric prop operating voltages (U0 / U) 600/1 000 V to 1 900/3 300 V, for use in fixed installat	20:000:20, 20:2 10:20
Am 2(National), 2009-03-13 Am 3(National), 2012-06-22	erties of single-core and multicore halogen-free cables of rated ions.
Am 2(National), 2009-03-13 Am 3(National), 2012-06-22 SANS 1507-6:2007 (SABS 1507-6)	erties of single-core and multicore halogen-free cables of rated ions.
Am 2(National), 2009-03-13Am 3(National), 2012-06-22SANS 1507-6:2007 (SABS 1507-6)Electric cables with extruded solid dielectric insulation for fixed installations	erties of single-core and multicore halogen-free cables of rated ions. s (300/500 V to 1 900/3 300 V) Part 6: Service cables
Am 2(National), 2009-03-13 Am 3(National), 2012-06-22 SANS 1507-6:2007 (SABS 1507-6) Electric cables with extruded solid dielectric insulation for fixed installations Ed 1.02 A4 13p EN PDF 13p EN	erties of single-core and multicore halogen-free cables of rated ions. s (300/500 V to 1 900/3 300 V) Part 6: Service cables Gr 6 29 060 20: 29 240 20
Am 2(National), 2009-03-13 Am 3(National), 2012-06-22 SANS 1507-6:2007 (SABS 1507-6) Electric cables with extruded solid dielectric insulation for fixed installations Ed 1.02 A4 13p EN PDF 13p EN Covers the requirements for construction, materials, dimensions and electric prop (Uo) 600 V, with a conductor cross-sectional area up to and including 25 mm2, for Am 1(National), 2006-10-06 Am 2(National), 2007-12-14	erties of single-core and multicore halogen-free cables of rated ions. s (300/500 V to 1 900/3 300 V) Part 6: Service cables Gr 6 29.060.20; 29.240.20 erties of single phase service cables of rated operating voltage ruse in fixed installations.
Am 2(National), 2009-03-13 Am 3(National), 2012-06-22 SANS 1507-6:2007 (SABS 1507-6) Electric cables with extruded solid dielectric insulation for fixed installations Ed 1.02 A4 13p EN PDF 13p EN Covers the requirements for construction, materials, dimensions and electric prop (Uo) 600 V, with a conductor cross-sectional area up to and including 25 mm2, for Am 1(National), 2006-10-06 Am 2(National), 2007-12-14 SANS 1508:2007 (SABS 1508)	erties of single-core and multicore halogen-free cables of rated ions. s (300/500 V to 1 900/3 300 V) Part 6: Service cables Gr 6 29.060.20; 29.240.20 erties of single phase service cables of rated operating voltage r use in fixed installations.
Am 2(National), 2009-03-13 Am 3(National), 2012-06-22 SANS 1507-6:2007 (SABS 1507-6) Electric cables with extruded solid dielectric insulation for fixed installations Ed 1.02 A4 13p EN PDF 13p EN Covers the requirements for construction, materials, dimensions and electric prop (Uo) 600 V, with a conductor cross-sectional area up to and including 25 mm2, for Am 1(National), 2006-10-06 Am 2(National), 2007-12-14 SANS 1508:2007 (SABS 1508) Expanded polystyrene thermal insulation boards	erties of single-core and multicore halogen-free cables of rated ions. s (300/500 V to 1 900/3 300 V) Part 6: Service cables Gr 6 29.060.20; 29.240.20 erties of single phase service cables of rated operating voltage r use in fixed installations.
Am 2(National), 2009-03-13 Am 3(National), 2012-06-22 SANS 1507-6:2007 (SABS 1507-6) Electric cables with extruded solid dielectric insulation for fixed installations Ed 1.02 A4 13p EN PDF 13p EN Covers the requirements for construction, materials, dimensions and electric prop (Uo) 600 V, with a conductor cross-sectional area up to and including 25 mm2, for Am 1(National), 2006-10-06 Am 2(National), 2007-12-14 SANS 1508:2007 (SABS 1508) Expanded polystyrene thermal insulation boards Ed 1.01 A4 39p EN PDF 39p EN	Gr 10 Gr 10 91 100 60: 91 120 10
Am 2(National), 2009-03-13 Am 3(National), 2012-06-22 SANS 1507-6:2007 (SABS 1507-6) Electric cables with extruded solid dielectric insulation for fixed installations Ed 1.02 A4 13p EN PDF 13p EN Covers the requirements for construction, materials, dimensions and electric prop (Uo) 600 V, with a conductor cross-sectional area up to and including 25 mm2, for Am 1(National), 2006-10-06 Am 2(National), 2007-12-14 SANS 1508:2007 (SABS 1508) Expanded polystyrene thermal insulation boards Ed 1.01 A4 39p EN PDF 39p EN Covers the requirements for 2 types (each available in 5 grades) of expanded poly Am 1(National), 2007-04-13	erties of single-core and multicore halogen-free cables of rated ions. s (300/500 V to 1 900/3 300 V) Part 6: Service cables Gr 6 29.060.20; 29.240.20 erties of single phase service cables of rated operating voltage r use in fixed installations. Gr 10 91.100.60; 91.120.10 rstyrene boards for use as thermal insulation.
Am 2(National), 2009-03-13Am 3(National), 2012-06-22SANS 1507-6:2007 (SABS 1507-6)Electric cables with extruded solid dielectric insulation for fixed installationsEd 1.02A4 13p EN PDF 13p ENCovers the requirements for construction, materials, dimensions and electric prop (Uo) 600 V, with a conductor cross-sectional area up to and including 25 mm2, for Am 1(National), 2006-10-06Am 2(National), 2006-10-06Am 2(National), 2007-12-14SANS 1508:2007 (SABS 1508)Expanded polystyrene thermal insulation boardsEd 1.01A4 39p EN PDF 39p ENCovers the requirements for 2 types (each available in 5 grades) of expanded poly Am 1(National), 2007-04-13SANS 1509:2008 (SABS 1509)	Gr 10 91.100.60; 91.120.10
Am 2(National), 2009-03-13 Am 3(National), 2012-06-22 SANS 1507-6:2007 (SABS 1507-6) Electric cables with extruded solid dielectric insulation for fixed installations Ed 1.02 A4 13p EN PDF 13p EN Covers the requirements for construction, materials, dimensions and electric prop (Uo) 600 V, with a conductor cross-sectional area up to and including 25 mm2, for Am 1(National), 2006-10-06 Am 2(National), 2007-12-14 SANS 1508:2007 (SABS 1508) Expanded polystyrene thermal insulation boards Ed 1.01 A4 39p EN PDF 39p EN Covers the requirements for 2 types (each available in 5 grades) of expanded poly Am 1(National), 2007-04-13 SANS 1509:2008 (SABS 1509) Flush valves for WC flushing cisterns	erties of single-core and multicore halogen-free cables of rated ions. s (300/500 V to 1 900/3 300 V) Part 6: Service cables Gr 6 29.060.20; 29.240.20 erties of single phase service cables of rated operating voltage ruse in fixed installations. Gr 10 91.100.60; 91.120.10 //styrene boards for use as thermal insulation.
Am 2(National), 2009-03-13Am 3(National), 2012-06-22SANS 1507-6:2007 (SABS 1507-6)Electric cables with extruded solid dielectric insulation for fixed installationsEd 1.02A4 13p EN PDF 13p ENCovers the requirements for construction, materials, dimensions and electric prop (Uo) 600 V, with a conductor cross-sectional area up to and including 25 mm2, for Am 1(National), 2006-10-06Am 2(National), 2007-10-06Am 2(National), 2007-12-14SANS 1508:2007 (SABS 1508)Expanded polystyrene thermal insulation boardsEd 1.01A4 39p EN PDF 39p ENCovers the requirements for 2 types (each available in 5 grades) of expanded poly Am 1(National), 2007-04-13SANS 1509:2008 (SABS 1509)Flush valves for WC flushing cisternsEd 2.01A4 14p EN PDF 14p ENPDF 14p EN	Gr 10 91.100.60; 91.120.10 Gr 6 91.100.703

Standards South Africa Catalogue 2013 NUM - 179

NUMERICAL LIST OF STANDARDS

PDFTIPEN	91.060.50
Covers the mechanical performance of door closers of 6 sizes (with or wi arm linkages. The closers are intended for face fixing either on the door o fire doors.	ithout backcheck or delayed action), including their operating arms and r on the transom.Does not cover requirements specific to door closers for
Am 1(National), 2008-05-23	
SANS 1515-1:2006 (SABS 1515-1)	
Gas measuring equipment primarily for use in mines Part 1: Battery- warning devices	-operated portable, flammable gas measuring instruments and
Ed 2.01 A4 73p EN PDF 73p EN	Gr 13 13.220.20; 29.260.20
IEC 61779-2:1998, MOD; IEC 61779-1:1998, MOD	
Specifies requirements for design, construction, safety and performance routine detection and measurement of flammable gases in air by electrica Instruments/devices covered may be suitable for the detection of a wide methane and hydrogen and mixtures of both. Am 1(National), 2006-08-18	of hand-held and portable battery-powered instruments/devices for the al and electronic means and that are intended primarily for use in mines. range of combustible gases, but the tests given cover only the detection of
SANS 1515-2:2006 Gas measuring equipment primarily for use in mines Part 2: Fixed, t and warping consor boads and instruments	ransportable, and vehicle-mounted flammable gas measuring
Ed 1.00 A4 8p EN PDF 8p EN	Gr 5
Covers the requirements for the design construction estate and perform	13.220.20, 29.200.20
instruments for the routine detection and measurement of flammable gas for use in mines.	ses in air by electrical and electronic means and that are intended primarily
SANS 1516:2005 (2010-06-04) (SABS 1516)	
High performance engine lubricating oil for petrol engines (for API	Service Category SJ)
Ed 3.00 A4 12p EN PDF 12p EN	Gr 6
Covers one type of engine lubricating oil suitable for the crankcase lubric turbo charged), light duty trucks and heavy duty trucks that operate unde	ation of spark-ignition engines of passenger cars (naturally aspirated or r API Service Category SJ.
SANS 1517:2005 (2010-06-04)	
High performance engine lubricating oil for diesel engines (for API S	Service Category CH-4)
Ed 3.00 A4 12p EN	Gr 6
PDF 12p EN	75.100
Covers the type of engine lubricating oil suitable for the lubrication of hea ignition engines that operate under the conditions described in API Service	vy duty naturally aspirated, turbo-charged or super-charged compression- ce Category CH-4.
SANS 1518:2011 (SABS 1518)	
Transport of dangerous goods - Design, construction, testing, appro	oval and maintenance of road vehicles and portable tanks
Ed 4.00 A4 27p EN	Gr 9
Establishes requirements for the design, construction, testing, approval a	13.300; 43.080.10 and maintenance of road vehicles and portable tanks used for the transport
SANS 1519-1:2006 (SABS 1519-1)	
Road signs Part 1: Retro-reflective sheeting material	
Ed 2.02 A4 19p EN PDF 19p EN	Gr 8 93.080.30
Specifies requirements for retro-reflective sheeting material and non-retro Am 1(National), 2006-04-07 Am 2(National), 2006-10-06	p-reflective black sheeting for use on road signs on public roads.

SANS 1510-1:2008 (SABS 1510-1) Door closers Part 1: Single-action overhead door closers

Ed 1.01 A4 11p EN

Gr 6

SANS 1519-2:2004 (2009-04-03) (SABS 1519-2) Road signs Part 2: Performance requi	rements for road signs	
Ed 1.01 A4 15p EN PDE 15p EN		Gr 7
Covers the performance requirements of signs on public roads. Am 1(National), 2004-04-08	retro-reflective and non-reflective ro	93.080.30 ad signs for use as regulatory, warning, information and guidance
SANS 1520-1 (SABS 1520-1) Flexible electric trailing cables for use Ed 2.00 EN	in mines Part 1: Low-voltage (640	0/1 100 V and 1 900/3 300 V) cables 29:060.20; 29.260.20
Covers the construction, materials, dime	nsions and electrical properties of low	w-voltage flexible electric trailing cables for use in mines.
SANS 1520-1:2008 (SABS 1520-1)		
Flexible electric trailing cables for use	in mines Part 1: Low-voltage (640)/1 100 V and 1 900/3 300 V) cables
Ed 1 10 A4 28p EN		Gr Q
PDF 28p EN		29.060.20; 29.260.20
Covers the construction, materials, dimensions and electrical properties of low-voltage flexible electric trailing cables for use in mines. Covers standard cable construction of Three-core, four-core and six-core cables (2 power and 1 pilot core, 3 power and 1 pilot core, and 3 power and 3 pilot core, 3 power and 1 pilot core, and 3 power and 3 pilot core, and 3 pilot c		
Am 1(National), 1992-11-01 Am 4(National), 1996-03-04 Am 7(National), 1998-09-03 Am 9(National), 2008-09-26	Am 2(National), 1994-08-01 Am 5(National), 1996-07-15 Cor 1(National), 1999-05-28	Am 3(National), 1995-03-01 Am 6(National), 1997-04-07 Am 8(National), 2001-10-05
SANS 1520-2:2008 (SABS 1520-2)		
Flexible electric trailing cables for use	in mines Part 2: High-voltage (3,8	3/6,6 kV to 19/33 kV) cables
Ed 1.08 A4 28p EN		Gr 9
PDF 28p EN		29.060.20; 29.260.20
Covers the construction, materials, dime supply systems having operating voltage core cable comprising three power cores	nsions and electrical properties of hig s (Uo/U) from 3,8/6,6 kV up to and ir and three auxiliary cores.	gh-voltage flexible electric trailing cables for use in mines, on electrical ncluding 19/33 kV. The standard cable construction covered is a six-
Am 1(National), 1992-11-01 Am 4(National), 1996-03-04 Am 7(National), 2000-09-22	Am 2(National), 1994-08-01 Am 5(National), 1996-07-01 Am 8(National), 2008-10-24	Am 3(National), 1995-03-01 Am 6(National), 1999-05-28
SANS 1522:2004 (2011-02-11) (SABS 1522)		
Fire extinguishing powders		
Ed 2.01 A4 22p EN		Gr 8
PDF 22p EN		13.220.10
Covers the requirements for fire extinguis Am 1(National), 2004-05-28	shing powders for fires of class A, cla	ass B and class C.
SANS 1523:1990 (2001-01-23) (SABS 1523)		
Sheepskins (for medical use)		
Ed 1.00 A4 8p EN		Gr 7
Covers woollen sheepskins for medical u	ISE.	11.040.60
SANS 1524-1-1-2013 / NPS 000-1-1-201	3	
Electricity navment systems Bart 1 1	o Mounting and torminal requirement	ate for navment meters
Electricity payment systems Part 1-1:	mounting and terminal requirement	
Ed 1.00 A4 38p EN PDF 38p EN		ur 11 17.220.20; 29.240.99; 91.140.50
Specifies mounting methods and termina	I requirements for single and polyph	ase payment meters for indoor use.

Standards South Africa Catalogue 2013
NUM - 181

03.220.01

NUMERICAL LIST OF STANDARDS

PDF 14p EN	29.240.99; 91.140.50
Covers the utility's requirements for low-voltage metal-oxide varistor (MOV) s known as "LV surge arresters". SPDs are applicable in low-voltage (230 V) s	surge protective devices (SPDs) used in payment meters, commonly single-phase supply systems to residential loads.
SANS 1524-1:2010 (SABS 1524-1)	
Electricity payment systems Part 1: Payment meters	
Ed 5.00 A4 16p EN	Gr 7
PDF 16p EN	17.220.20; 91.140.50
Specifies characteristics of single and polyphase payment meters for indoor which require meters to have integrated additional protection, safety and cor	use, and requirements for meters used in reticulation subsystems ntrol functionality.
SANS 1524-4:2012 / NRS 009-4:2012 Electricity payment systems Part 4: Payment electricity meter cards	
Ed 1.00 A4 14p EN	Gr 6
PDF 14p EN	29.240.99; 91.140.50
Specifies characteristics and minimum requirements of national payment ele identify the payment metering equipment allocated to a customer. Takes into	ectricity meter cards which, for the purpose of a transaction, uniquely o account both human and machine aspects.
SANS 1524-6-10:2010 / NRS 009-6-10:2010 Electricity payment systems Part 6-10: Interface standards - Online ven	iding server - Vending clients
Ed 1.00 A4 109p EN	Gr 15
PDF 109p EN	55.230
Provides the necessary information to implement the XMLVend protocol as	part of an online prepayment electricity vending system.
SANS 1524-8:2012 / NRS 009-8:2012 Electricity payment systems Part 8: The management of secure module	25
Ed 1.00 A4 14p EN	Gr 6
PDF 14p EN	29.240.99: 91.140.50
Specifies the practices to be implemented by users of electricity payment sy	stems for the management of secure modules.
SANS 1524-9:2010 / NRS 009-9:2010 Electricity payment systems Part 9: Implementing electricity vending sy	vstems
Ed 1.00 A4 69p EN	Gr 13
PDF 69p EN	29.240.99: 91.140.50
Sets out practices to be followed by users who plan to implement electricity	vending systems for prepaid electricity.
SANS 1525:2013 / ISO 10319:2008 Geosynthetics - Wide-width tensile test	
Ed 1 00 A4 16p EN	Gr 8
PDF 16p EN	59 080 70
Describes an index test method for the determination of the tensile propertie	es of geosynthetics, using a wide-width strip.
SANS 1526:2003 (SABS 1526)	
Thermoplastics sheeting for use as a geomembrane	
Ed 2.00 A4 11p EN	Gr 6
PDF 11p EN	91.100.50
Covers requirements for thermoplastics sheeting for use as geomembranes	
SANS 1527:1991 (2000-03-09) (SABS 1527)	
Cash ticket-issuing machines for public transport (not for use with machines	gnetic stripe tickets)
Ed 1.00 A4 31p EN	Gr 12

PDF 31p EN

Covers minimum constructional, safety, electrical and related requirements for cash ticket-issuing machines (CTIMs) for use by public transport operators in unimodal systems. Covers both stationary and mobile equipment, and specifies some of the facilities to be provided for use with ancillary equipment. Does not cover equipment that is solely mechanically operated or equipment for use with magnetic stripe tickets.

Am 1(National), 1992-08-01

SANS 1524-1-2:2012 / NRS 009-1-2:2012

Gr 6

Electricity payment systems Part 1-2: Surge protective devices for the protection of payment meters Ed 1.00 A4 14p EN

SANS 1528-1:2008 (SABS 1528-1) Furniture Part 1: Seating Ed 1.01 A4 38p EN		Gr 10
PDF 38p EN Specifies the characteristics of seating. ergonomic features of seating intended Does not take into account the toxicity a Am 1(National), 2008-08-15	Covers the stability, strength and durability for use at a workstation, desk or table. Incluspect of the materials used in the manufact	97.140 of seating other than school and outdoor seating. Covers udes requirements for the use of low-flammable textile fabrics. ture of seating (see annex A).
SANS 1528-2:2008 (SABS 1528-2)		
Ed 1.02 A4 20p EN PDF 20p EN		Gr 8 97.140
Specifies the characteristics of desks, ta that are integrated into office partitions. Am 1(National), 1996-06-24	ables and computer stands. Includes works Am 2(National). 2008-08-15	tation furniture and covers items that are freestanding and items
SANS 1528-3:2009 (SABS 1528-3)		
Furniture Part 3: Storage units		
Ed 1.02 A4 31p EN PDF 31p EN		Gr 10 53.080: 97.140
Specifies the characteristics of storage is shelving, credenzas and chests of draw.	units for use in domestic and office situation ers. Does not cover such items as industria	ns. Covers such items as sheet steel furniture, kitchen units, Il racking and shelving.
Am ((National), 1990-00-24	Am 2(National), 2009-03-13	
(SABS 1528-4:2008 (SABS 1528-4) Furniture Part 4: Bunk beds for dome	estic use	
Ed 1.01 A4 14p EN PDF 14p EN		Gr 6
Specifies the characteristics of bunk bea a single elevated bed above, for exampl Am 1(National), 2008-08-15	ds for domestic use. Covers bunk beds that e, a storage area. Does not cover mattress	t can be converted to single beds and bunk beds that consist of es.
SANS 1528-6:2008 (SABS 1528-6)		
Furniture Part 6: High chairs for dom	estic use	
Ed 1.01 A4 14p EN PDF 14p EN		Gr 6 97.140
Specifies the characters of children's hig or attached tables. Does not cover high Am 1(National), 2008-08-15	gh chairs for domestic use. Covers high cha chairs that convert to push chairs, walking	airs that are also intended to convert to low chairs with separate frames, car chairs or swings.
SANS 1528-7:2008 (SABS 1528-7)		
Furniture Part 7: Children's cots for d	lomestic use	Cr 7
PDF 15p EN		97.140
Specifies the characteristics of children' cover rocking, swinging or folding cots, Am 1(National), 2008-08-01	s cots for domestic use. Covers cots that a nor does it cover cot mattresses.	re intended to prevent children from climbing out. Does not
SANS 1529-1:2006 (SABS 1529-1)	Part 1. Matrological characteristics of m	achieved water meters of naminal here not exceeding
100 mm	מונ זו שכווטוטקונמו נוומומנופווצוונצ 10 וווו	contanteal water inclusion nonlinear bore not exceeding
Ed 2.03 A4 42p EN PDF 42p EN		Gr 11 17.060; 91.140.60
Specifies the metrological characteristic nominal bore not exceeding 100 mm, us approval of meters used for trade purpo	s of mechanical water meters and meters v sed for the metering of cold potable water. I ses.It does not cover combination meters.	with mechanical measuring elements and electronic indicators of t gives requirements for metrological controls, including type
Am 1(National), 1998-11-20	Am 2(National), 2003-10-03	Am 3(National), 2006-11-24

Water meters for cold notable water Part 3: Physical dimensions		
Fd 1.01 A4 13p EN	Gr 6	
PDF 13p EN	91.140.60	
Specifies physical dimensions of mechanical water meters, other than combination potable water in closed conduits of nominal bore up to and including 100 mm. Am 1(National), 2006-07-21	n meters, intended for the measurement of the flow of cold	
SANS 1529-4:2004		
(SABS 1529-4) Water meters for cold potable water Part 4: Mechanical meters of nominal by	ore exceeding 100 mm but not exceeding 800 mm	
Ed 1.01 A4 20p EN	Gr 8	
PDF 20p EN	91.140.60	
Specifies the characteristics of mechanical water meters, other than combination r water in closed conduits of nominal bore exceeding 100 mm but not exceeding 80 Am 1(National), 2004-10-29	meters, intended for the measurement of the flow of cold potable 0 mm, and at temperatures not exceeding 50 $^\circ$ C.	
SANS 1529-9:2008		
(SABS 1529-9)		
Water meters for cold potable water Part 9: Requirements for electronic indic water meters and electronic prepayment water measuring systems	cators used with mechanical water meters, electronic	
Ed 2.01 A4 50p EN	Gr 11	
PDF 50p EN	17.060; 91.140.60	
Specifies the metrological requirements for electronic water meters and electronic indicators used with mechanical water meters and meters with mechanical measuring elements to indicate the volume of water delivered and also supplementary indications such as the monetary value of water delivered and credit available in a prepayment system. Also specifies the metrological characteristics for the control of flow in prepayment systems. Excludes all elements associated with the generation and transfer of credit to a credit transfer device such as a card or a token. Gives requirements for metrological controls, including type approval of meters of a nominal bore not exceeding 100 mm used for trade purposes. Am 1(National), 2008-01-25		
SANS 1530-1:1991 (1999-08-27) (SABS 1530-1)		
Prefabricated panels for thermal insulation Part 1: Panels with two imperviou	us facing sheets	
Ed 1.00 A4 22p EN	Gr 11	
Specifies the characteristics of profebricated thermal insulation papels, with two in	91.100.60; 91.120.10	
rooms, hot rooms, and vehicles. The panels are suitable for either exterior or interi installation of prefabricated panels.	ior use, or both. This part of SABS 1530 is not applicable to the	
SANS 1531:2003 (2010-12-09)		
(SABS 1531) Wood-cased pencils and extruded plastics pencils, with graphite lead and co	bloured lead	
Ed 2.00 A4 22p EN	Gr 8	
PDF 22p EN	97.180; 97.195	
Specifies the characteristics of wood-cased graphite lead pencils (of 14 hardness writing, drafting and drawing purposes. Also specifies the characteristics of wood-children, and of extruded plastics graphite lead pencils and extruded plastics colou purposes.	degrees) and wood-cased coloured lead pencils for general cased graphite lead and coloured lead pencils intended for young ured lead pencils for general writing, drafting and drawing	
SANS 1532:2003 (2010-01-22) (SABS 1532)		
Vent valves for drainage installations		
Ed 2.00 A4 12p EN PDF 12p EN	Gr 6	
Specifies the characteristics of vent valves intended for supplementary or alternati	23.060.40; 91.140.80 ive venting of drainage systems.	
SANS 1533:2005 (SABS 1533)		
Padlocks		
Ea 1.04 A4 1/p EN PDF 17p EN	Gr / 13.310	
Specifies the characteristics of various types and categories of padlocks.Am 1(National), 1992-05-01Am 2(National), 1995-03-01Am 4(National), 2005-05-20	Am 3(National), 1996-04-01	

SANS 1529-3:2006

SANS 1534:2004 (SABS 1534) Beein cansulas for use with tendon	hasad sunnort systems	
Ed 1 04 A4 14b EN	based support systems	Gr 6
PDF 14p EN		73.020
Specifies the characteristics of resin ca Am 1(National), 1993-07-01 Am 4(National), 2004-03-12	apsules for use with tendon based suppo Am 2(National), 1997-07-14	rt systems for the mining industry. Am 3(National), 2002-02-22
SANS 1535:2007 (SABS 1535) Glass-reinforced polyester-coated s for burial horizontally	teel tanks for the underground storage	e of hydrocarbons and oxygenated solvents and intended
Ed 2.03 A4 31p EN		Gr 10
PDF 31p EN		23.020.10
Specifies characteristics and manufact the storage of unpressurized hydrocard	ure of glass-reinforced polyester-coated cons and oxygenated solvents.	steel storage tanks suitable for burial horizontally and intended for
Am 1(National), 2003-03-28	Am 2(National), 2005-09-09	Am 3(National), 2007-06-15
SANS 1536:2012 / ISO 11432:2005		
Building construction - Sealants - D	etermination of resistance to compres	sion
Ed 1.00 A4 10p EN		Gr 6
PDF 10p EN		91.100.50
Specifies a method for the determination	on of the resistance to compression of se	alants used in joints in building construction.
SANS 1538:2008 (SABS 1538)		
Plain-woven glass rovings for glass	-reinforced plastics laminates	
Ed 1.02 A4 21p EN		Gr 8
PDF 21p EN		59.100.10
Specifies the requirements for 4 types systems.	of plain-woven glass rovings of E-type gl	ass filament for use as reinforcement in thermosetting resin
Am 1(National), 2001-12-18	Am 2(National), 2008-11-28	
SANS 1539:2012 (SABS 1539)		
Appliances operating on liquefied p	etroleum gas (LPG) or natural gas (NG) - Safety aspects
Ed 5.00 A4 61p EN		Gr 13
PDF 61p EN		27.060.20; 97.040.20
Covers the safety aspects of appliance kg/h for appliances operating on LPG a non-refillable cartridge.	es that operate on liquefied petroleum gas and 500 MJ/h for appliances operating or	s (LPG) or natural gas (NG) at a consumption rate not exceeding 10 NG. Also covers appliances where the gas supply is direct from a
SANS 1540:1992 (2002-06-28) (SABS 1540)		
Men's and women's leather belts		
Ed 1.00 A4 12p EN		Gr 7
PDF 12p EN		61.040
Covers the requirements for the mater	als, basic design, size and construction o	of lined, unlined and reversible men's and women's leather belts.
SANS 1542:1993 (SABS 1542)		
Safety helmets for pedal cyclists		
Ed 1.01 A4 20p EN		Gr 10
PDF 20p EN		13.340.20; 97.220.40
Specifies the characteristics of protect protection of minimum acceptable leve in this standard.	ive headgear for wear by pedal cyclists. T Is of safety, acknowledging the desirabili	The headgear is intended to provide pedal cyclists with head ty of light weight and ventilation. Detachable visors are not covered

Am 1(National), 1993-05-01

SANS 1543:2011 (SABS 1543)	
Escalators and passenger conveyors	
Ed 2.02 A4 12p EN PDF 12p EN	Gr 6 91.140.90
Specifies safety rules for the construction conveyors (pallet or belt type). Existing they be adapted to this standard.	n and installation of escalators and passenger conveyors. Applicable to all new escalators and passenger escalators and passenger conveyors are not subject to this standard. It is, however, recommended that
Am 1(National), 2006-09-22	Am 2(National), 2011-01-28
SANS 1545-1:2009 (SABS 1545-1)	
Safety rules for the construction and	installation of lifts Part 1: Electric lifts
Ed 3.03 A4 22p EN PDF 22p EN	Gr 8 91 140 90
Specifies safety rules for the construction	n and installation of electric lifts, and includes inspection documentation. Am 2(National), 2006-11-24 Am 3(National), 2009-01-30
SANS 1545-2:2009	
(SABS 1949-2) Safety rules for the construction and	installation of lifts Part 2. Hydraulic lifts
Ed 3.03 A4.20n EN	Gr 8
PDF 20p EN	91.140.90
Specifies safety rules for the construction Am 1(National) , 2005-11-21	n and installation of hydraulic lifts, and includes inspection documentation. Am 2(National), 2006-09-08 Am 3(National), 2009-01-30
SANS 1545-3:2006 (SABS 1545-3)	
Safety rules for the construction and	installation of lifts Part 3: Lifts for persons with disabilities (stairlifting platforms)
Ed 1.03 A4 60p EN	Gr 12
PDF 60p EN	11.180.10; 91.140.90
Specifies safety rules, dimensions and a for use by persons with impaired mobilit Am 1(National), 2002-05-23	equirements for functional operation in respect of permanently installed power-operated stairlifts intended y, including seated users, standing users and wheelchair users moving in a substantially inclined plane. Am 2(National), 2004-10-08 Am 3(National), 2006-11-24
SANS 1545-4:2006 (SABS 1545-4)	
Safety rules for the construction and	installation of lifts Part 4: Lifts for persons with disabilities (vertical lifting platforms)
Ed 1.02 A4 76p EN	Gr 13
PDF 76p EN	11.180.10; 91.140.90
Specifies safety rules, dimensions and r with impaired mobility. Applies to vertica and rated capacity of not less than 250	equirements for permanently installed power-operated vertical lifting platforms intended for use by persons I lifting platforms that travel between fixed levels, that have a rated speed that does not exceed 0,15 m/s <pre>sg.</pre>
Am 1(National), 2004-10-08	Am 2(National), 2006-12-01
SANS 1545-5:2007 (SABS 1545-5)	
Safety rules for the construction and	installation of lifts Part 5: Electric and hydraulic access, goods only lifts
Ed 1.01 A4 118p EN PDF 118p EN	Gr 15 91.140.90
Specifies the safety rules for the construction, the interior of which is reconstruction, that run at least partially b are driven electrically or hydraulically.	Inction and installation of permanently installed new electric or hydraulic access, goods only lifts that garded as accessible to persons but it is not to be used by persons on account of its means of etween rigid vertical guide rails or guide rails whose inclination to the vertical does not exceed 15° and that
Am ((National), 2007-05-04	
SANS 1545-6:2006	
Safety rules for the construction and	installation of lifts Part 6: Rack-and-pinion lifts
Ed 1.01 A4 51p EN PDF 51p EN	Gr 12 91.140.90
Specifies safety rules for the construction designed for the transportation of perso	n, installation and maintenance of rack-and-pinion lifts that serve defined landing levels, that have cars is or persons and goods, and that move on guide rails. Does not cover electric lifts where the car is

suspended by ropes or chains, hydraulic and screw types of lift, and safety during transport, repair and dismantling of lifts. Am 1(National), 2006-11-24

SANS 1545-7:2007	d installation of lifts Davt 7. Floatvis	and hydraulia apresion lifts (durah yysitara)
Salety rules for the construction and	Installation of hits Part 7: Electric a	and hydraulic service ints (dumb waiters)
Ed 1.00 A4 20p EN PDF 20p EN		Gr 8 91.140.90
Specifies safety rules for the constructi documentation.	on and installation of electric and hydr	aulic service lifts (dumb waiters), and includes inspection
SANS 1545-9:2004 (2009-04-03)		
Safety rules for the construction and	d installation of lifts Part 9: Lift landi	ng doors - Fire resistance testing
Ed 1.00 A4 26p EN PDE 26p EN		Gr 9
Specifies a method of test for the deter	rmination of the fire resistance of lift lar	nding doors when exposed to a fire from the landing side.
SANS 1547:2012		
(SABS 1547)		
Traffic signal controllers		
Ed 1.05 A4 70p EN		Gr 13
		29.130.99; 93.080.30
Specifies the characteristics of traffic s	ignal controllers.	
Am 1(National), 1994-11-28 Am 4(National), 2009-11-27	Am 2(National), 2001-08-08 Am 5(National), 2012-08-24	Am 3(National), 2005-08-05
SANS 1550-1:2005 (SABS 1550-1)		
Motor vehicle tyres and rims - Dimer	nsions and loads Part 1: General	
Ed 2.01 A4 15p EN		Gr 7
PDF 15p EN		43.040.50; 83.160.10
Specifies the general requirements for requirements and a test method for the Am 1(National), 2005-12-23	motor vehicle pneumatic tyres, giving e measurement of tyre dimensions	the basic definitions, details of the parameters used for tyre marking
SANS 1550-2:2006 (SABS 1550-2)		
Motor vehicle tyres and rims - Dimer	nsions and loads Part 2: Passenger	car tyres
Ed 2.01 A4 3p EN		Gr 3
PDF 3p EN		43.100; 83.160.10
Specifies the general requirements for Am 1(National), 2006-03-03	passenger car tyres.	
SANS 1550-3:2006 (SABS 1550-3)		
Motor vehicle tyres and rims - Dimer	nsions and loads Part 3: Commercia	I vehicle tyres
Ed 2.01 A4 10p EN		Gr 5
PDF 10p EN		43.080.01; 83.160.10
Covers commercial vehicle tyres. Am 1(National), 2006-03-03		
SANS 1550-4:2005 (SABS 1550-4)		
Motor vehicle tyres and rims - Dimer	nsions and loads Part 4: Motorcycle	and scooter tyres
Ed 2.01 A4 3p EN		Gr 3
PDF 3p EN		43.140; 83.160.10
Covers motorcycle and scooter tyres. Am 1(National), 2005-12-02		
SANS 1550-5:2006		
(SABS 1550-5)	aciona and loada Davi 5. Off the read	d vahiala turaa
Ed 2.01 $\Delta 4.3$ = EN	ISIONS AND IOAUS FAIL 5: OII-INE-FOA	Gr 3
PDF 3p EN		53.100; 83.160.10
Covers off-the-road vehicle tyres. Am 1(National), 2006-03-03		

Standards South Africa Catalogue 2013 NUM - 186

SANS 1550-6:2005	
(SABS 1550-6) Meter vehicle trace and rime. Dimensions and loads Part 6: Arrisultural vehi	
Ed 2.01 A4 3n EN	Gr 3
PDF 3p EN	65.060.10; 83.160.10
Covers agricultural vehicle tyres. Am 1(National), 2005-12-02	
SANS 1550-7:2005	
(SABS 1550-7) Motor vehicle twees and rime - Dimensions and loads Part 7: Industrial vehicle	
Fd 2.01 A4.3n EN	Gr 3
PDF 3p EN	53.060; 83.160.10
Covers industrial vehicle tyres. Am 1(National), 2005-12-02	
SANS 1550-10:2006 (SABS 1550-10)	
Motor vehicle tyres and rims - Dimensions and loads Part 10: Rim contours	
Ed 2.01 A4 3p EN PDF 3p EN	Gr 3 43.040.50
Covers the contours and dimensions of rims for the range of tyre sizes available. Am 1(National), 2006-03-10	
SANS 1551-1:2008 (SABS 1551-1)	
Check valves (flanged and wafer types) Part 1: PN series	
Ed 1.02 A4 20p EN PDF 20p EN	Gr 8 23.060.50
Specifies the characteristics of cast iron swing-type check valves (wafer or flange t and that are intended for general hydraulic (water, air, gas or petroleum) application not exceeding 120 C°.	ype) that have a nominal size in the range 40 mm to 60 mm ons at working pressures of up to 2500 kPa and at temperatures
Am 1(National), 2000-10-06 Am 2(National), 2008-02-22	
SANS 1551-2:2007 (2012-06-15) (SABS 1551-2)	
Check valves (flanged and wafer types) Part 2: Class series	
Ed 1.02 A4 18p EN	Gr 7
FDI Top Liv	23.060.50
are intended for general hydraulic (water, air, gas or petroleum) applications at colo Am 1(National), 2000-10-06 Am 2(National), 2007-12-14	d working pressures of up to 42 MPa.
SANS 1553-1:2012	
(SABS 1553-1)	
PVC-U window and door frames for external use Part 1: PVC-U profiles for wi	indow and door frames
Ed 1.02 A4 38p EN PDF 38p EN	Gr 10 91.060.50
Specifies requirements for material, basic properties, and design of extruded profile the construction of window and door frames for external use. Am 1(National), 2007-05-18 Am 2(National), 2012-11-23	es produced from unplasticized poly(vinyl chloride) (PVC-U) for
SANS 1553-2:2011	
(SABS 1553-2)	
Ed 1.02 A4.485 EN	s made from PVC-U profiles
PDF 48p EN	91.060.50
Specifies requirements for the materials, construction, types, dimensions, propertie unplasticized poly(vinyl chloride) (PVC-U) profiles which meet the requirements of Am 1(National), 2007-05-18 Am 2(National), 2011-09-16	es and performance of windows with frames made from extruded SANS 1553-1.

SANS 1555:2011 (SABS 1555)	
Roadworks delineators	
Ed 2.01 A4 7p EN	Gr 5
PDF 7p EN	93.080.10
Specifies the characteristics of roadworks delineators used to divert road traffic at r Am 1(National), 2011-03-31	roadworks.
SANS 1556-1:2005	
(SABS 1556-1)	
ISO metric screw threads Part 1: Principles and basic data for general purpos	se screw threads
Ed 1.02 A4 89p EN	Gr 14
PDF 89p EN	21.040.10
Specifies the principles and basic data for single start, parallel screw threads havin threads of diameter 1 mm to 300 mm are tabulated and annex B gives the informat this tabulated data.	g the ISO basic profile for triangular screw threads. Data for tion necessary to calculate the limits of size for exceptions to
Cor 1(National), 1994-04-29 Am 1(National), 2005-12-23	
SANS 1556-2:2005 (2011-05-20)	
(SABS 1556-2)	
ISO metric screw threads Part 2: Selected limits of size for general purpose s	crew threads
Ed 1.01 A4 43p EN	Gr 11
PDF 43p EN	21.040.10
Specifies the fundamental deviations, tolerances and limits of size for the relevant of threads and 4h, 6g and 8g for external (bolt) threads, where appropriate for coarse pitch series within the range 1 mm to 33 mm diameter and constant pitch series with Am 1(National), 2005-07-08	of tolerances classes 4H, 5H, 6H and 7H for internal (nut) pitch series within the range 1 mm to 68 mm diameter, fine thin the range 8 mm to 300 mm diameter.
SANS 1557:2012	
(SABS 1557)	
Sunscreen products	0.44
Ed 3.01 A4 49p EN PDE 40p EN	Gr 11
	11.120.10
Specifies requirements for primary and secondary sunscreen products, suitable for adverse effects of solar UVA and UVB rays, and provides a basis for the evaluatior It also specifies requirements for the advertising and labelling of sunscreen product Am 1(National), 2212-02-09	topical use, for the protection of human skin against the n of sunscreen products in accordance with performance criteria. ts.
Ain ((National), 2212-00-00	
SANS 1561-1:2006	
(SABS 1561-1)	
Rewound and refurbished rotating electrical machines Part 1: Low-voltage th	ree-phase induction motors
Ed 2.00 A4 31p EN	Gr 10
PDF 31p EN	29.160.30
Specifies the characteristics of low-voltage three-phase alternating-current inductio to be refurbished and, if applicable, rewound. The maximum rated output of a moto phases. The level of insulation is at least class B for existing windings of refurbished	n motors of the cage and wound rotor (slip-ring) types that are r is 800 kW for rated voltages not exceeding 1 100 V between d motors and at least class F for motors that are rewound.
SANS 1563:2005 (SARS 1563)	
The strength of large passenger vehicle superstructures (roll-over protection))
Fd 1.01 A4 17p FN	, Gr 7
PDF 17p EN	43 040 80
ECE B66:1988 MOD	
This standard applies to single-decked vehicles constructed for the carriage of mor	e than 16 passengers, whether seated or standing, in addition to
Am 1(National), 2005-10-14	
CANC 1564-2005	
SARS 1564)	
(Under 1904) The strength of seats (and their anchorages) of large nassenger busce	
Ed 1.01 A4.26n EN	Gr 9
PDF 26p EN	43 040 60
	TU.UTU.UU
This standard specifies the requirements for the strength of spate (and their appha	rages) of vehicles constructed for the carriage of more than
sixteen passengers, in addition to the driver and crew.	ages, or vehicles constructed for the carriage of more fildh

Am 1(National), 2005-10-14

SANS 1567:2011 (SABS 1567) Portable rechargeable fire extinguishers - CO2 type extinguishers		
Ed 2.01 A4 20p EN PDF 20p EN	Gr 8 13.220.10	
Specifies the characteristics of portable rechargeable fire extinguishers of the CO2 on class BC fires. Am 1(National), 2011-11-18	type, of charge mass not exceeding 9 kg and suitable for use	
SANS 1572:2007 (SABS 1572)		
Ed 1.01 A5 10p EN PDF 10p EN	Gr 5 23.020.30	
Specifies the characteristics of refillable, steel CO2 gas cartridges of capacities up Am 1(National), 2007-02-09	to 500 g.	
SANS 1574-1:2012 Electric flexible cables with solid extruded dielectric insulation Part 1: Gene	ral	
Ed 1.02 A4 14p EN PDF 14p EN	Gr 6 01.070; 29.060.20; 33.120.20	
Covers general requirements for single-core and multicore flexible cables of rated V, intended for use in domestic (up to and including 300/500 V) and industrial appl Am 1(National), 2008-05-09 Am 2(National), 2012-09-28	operating voltages in the range (Uo/U) $300/300 \text{ V}$ to $600/1000$ ications (450/750 V and $600/1000 \text{ V}$).	
SANS 1574-2:2012 Electric flexible cables with solid extruded dielectric insulation Part 2: PVC in environments (cords)	nsulated flexible cables for domestic, office and similar	
Ed 1.00 A4 21p EN PDF 21p EN	Gr 8 01.070; 29.060.20; 33.120.20	
Specifies the characteristics of single-core flexible insulated wires and multi-core fl V to earth and 500 V between conductors, and is intended for use with electrical ar and sheathing materials of PVC are covered.	exible cords, of rated operating voltage up to and including 300 opliances in domestic, office and similar applications. Insulating	
SANS 1574-3:2012 Electric flexible cables with solid extruded dielectric insulation Part 3: PVC-in	nsulated cables for industrial use	
Ed 1.01 A4 17p EN PDF 17p EN	Gr 7 01.070; 29.060.20; 33.120.20	
Specifies requirements for single-core and multi-core flexible PVC-insulated cables and 1 000 V between conductors, intended for use in insdustrial applications. Also Am 1(National), 2012-12-14	s of rated operating voltages up to and including 600 V to earth covers insulating and sheathing materials of PVC.	
SANS 1574-4:2013 Electric flexible cables with solid extruded dielectric insulation Part 4: Rubbe environments (cords)	er-insulated cables for domestic, office and similar	
Ed 1.01 A4 27p EN PDF 27p EN	Gr 9 01.070: 29.060.20: 33.120.20	
Specifies requirements for single-core and multi-core flexible rubber-insulated cords of rated operating voltages up to and including 300 V to earth and 500 V between conductors, intended for use with electrical applicances. Insulating and sheathing materials of rubber are covered. Am 1(National), 2013-03-15		
SANS 1574-5:2007 Electric flexible cores, cords and cables with solid extruded dielectric insulation	tion Part 5: Rubber-insulated cores and cables	
Ed 1.00 A4 24p EN PDF 24p EN	Gr 9 01.070; 29.060.20; 33.120.20	
Specifies requirements for single-core and multicore flexible rubber-insulated cable and 1 000 V between conductors, intended for use in industrial applications. Cover rubber.	es of rated operating voltages up to and including 600 V to earth s insulating and sheathing materials of both rubber and silicone	
SANS 1575:2007 (SABS 1575)		
Burnt clay paving units		
Ed 1.01 A4 14p EN PDF 14p EN	Gr 6 91.100.15; 91.100.25; 93.080.20	
Specifies the characteristics of burnt clay paving units. Am 1(National), 2007-10-12		

SANS 1576:2008		
(SABS 1576) Electric cables - Single core arc weldi	ng cable	
Ed 1.02 A4 12p EN		Gr 6
PDF 12p EN		29.060.20
Specifies the characteristics of single co Am 1(National), 2001-02-02	re insulated arc welding cables. Both ligh Am 2(National), 2008-06-20	t duty and heavy duty cables are covered.
SANS 1578:2006 (2012-06-15)		
(SABS 1578)		
Ed 1.02 Ad 180 EN	of external architectural aluminium	Gr 7
PDF 18p EN		25.220.60; 87.040
Specifies the characteristics of durable p welded structures to be used for externa Am 1(National). 2003-11-14	bowders that are intended to be applied as I architectural applications. Am 2(National), 2005-02-18	s organic coatings to aluminium alloy extrusions, sheet and Am 3(National), 2006-12-15
SANS 1579:2007 (2012-12-07)	× "	
(SABS 1579) Liquid metal polish		
Ed 1.02 A5 10p EN		Gr 5
PDF 10p EN		71.100.40
Specifies the characteristics of liquid me but not for the polishing of silver or silver Am 1(National), 1995-05-01	tal polish suitable for the polishing of bras plated surfaces and tableware. Am 2(National), 2007-04-20	ss, bronze, copper, nickel, steel, stainless steel, pewter and zinc
SANS 1580:2010 (SABS 1580)		
Hexagonal steel wire mesh gabions a	nd revet mattresses	
Ed 1.03 A4 14p EN		Gr 6
PDF 14p EN		77.140.65; 93.020
Specifies the characteristics of steel wire revet mattresses.	e gabion cages of hexagonal woven wire i	mesh (that are to be used as gabions when filled with stones) and
Am 1(National), 2001-10-12	Am 2(National), 2005-04-29	Am 3(National), 2010-06-04
SANS 1581:2012 (SABS 1581)		
Erasers made from plasticized PVC		
Ed 1.03 A4 17p EN		Gr 7
		83.140.99; 97.180
Specifies the requirements for erasers th Am 1(National), 1994-02-01	hat are made from plasticized PVC and an Am 2(National), 2006-09-08	re intended for the erasure of lead pencil writing. Am 3(National), 2012-04-05
SANS 1582-1:2008 (SABS 1582-1)		
Light industrial electric floor treatmen	t machines Part 1: Vacuum cleaners	
Ed 1.04 A4 25p EN PDF 25p EN		Gr 9 97.080
Specifies the characteristics of electrical and a dust/liguid receptacle of capacity r	ly operated vacuum cleaners for light indu not exceeding 85 L and that are intended	ustrial use, that have motors of rated input not exceeding 2 000 W for operation at voltages not exceeding 250 V to earth.
Am 1(National), 1996-12-09	Am 2(National), 2000-06-09	Am 3(National), 2006-10-20
Am 4(National), 2008-07-11		
SANS 1582-2:2008		
(SABS 1582-2) Light industrial alastria flass trastman	t maahinga Part 2. Elaar polishara	
Eight industrial electric hoor treatment Ed 1.04 A4.22p EN	it machines Part 2. Floor poishers	Gr 8
PDF 22p EN		97.080
Specifies the characteristics of electrical have motors of rated input not exceeding exceeding 250 V to earth	ly operated floor polishers (including floor g 2 000 W and a track width not exceedin	scrubbers and suction polishers) for light industrial use, that g 500 mm and that are intended for operation at voltages not
Am 1(National), 1996-12-09	Am 2(National), 2000-06-09	Am 3(National), 2006-10-27
אווי ד(וימנוטוומו), 2000-00-21		

SANS 1584-1:2008 (SABS 1584-1)		
Television transmissions Part 1: Terrestrial television transmissions		
Ed 1.01 A4 32p EN	Gr 10	
PDF 32p EN	33.160.20	
Specifies the PAL colour television system in accordance with the 625-line system and transmission of the signal are indicated. Am 1(National), 2008-05-09	I. Certain tolerances permitted in the generation, processing	
SANS 1584-3:2006 (2012-06-29) (SABS 1584-3)		
Television transmissions Part 3: NICAM transmissions		
Ed 1.01 A4 19p EN PDF 19p EN	Gr 8 33.170	
Defines the characteristics of NICAM 728, the recommended system for providing Am 1(National), 2006-09-22	two additional sound channels with System I television.	
SANS 1585:2008 (SABS 1585)		
Coated fabrics for shelters and rainwear		
Ed 2.01 A4 14p EN	Gr 6	
PDF 14p EN	59.080.40	
Specifies the characteristics of four types of coated fabric suitable for use in the mequipment.	anufacture of shelters, rainwear, groundsheets and military	
Am ((National), 2000-04-18		
SANS 1586:2007 (SABS 1586) Emulsion paints		
Endision paints	Gr 7	
PDF 15p EN	87.040	
Specifies the requirements for 4 grades of emulsion paint that are based on synthetic polymers dispersed in a water phase and that are supplied in a matt, semi-matt or semi-gloss finish, for application over interior plaster or other masonry substrates, as one or more coats of the same grade. Three grades are suitable for both interior and exterior use, and 1 grade is suitable for interior use only.		
Am 1(National), 1998-01-12 Am 2(National), 1999-01-08	Am 3(National), 2007-03-16	
SANS 1587:2007 (2012-10-05) (SABS 1587)		
Protection equipment for the front of motor vehicles		
Ed 1.01 A4 8p EN	Gr 5	
PDF 8p EN	43.040.80	
Specifies safety requirements for protection equipment fitted to the front of motor v intended to minimize injury to pedestrians, cyclists and motor cyclists. Am 1(National), 2007-01-26	ehicles designed for use on public roads. The requirements are	
SANS 1588:2006 (2011-12-15) (SABS 1588)		
Shatter-resistant plastics rulers		
Ed 1.01 A4 16p EN	Gr 7	
PDF 16p EN	83.140.99; 97.180	
Specifies the requirements for plastics rulers that are regarded as shatter-resistant Am 1(National), 2006-09-08	t under conditions of school and general office use.	
SANS 1589:1994 (2001-12-06) (SABS 1589)		
The braking performance of trackless underground mining vehicles - Load ha	aul dumpers and dump trucks	
Ed 1.00 A4 16p EN PDF 16p EN	Gr 9 73.100.40	
Specifies requirements for the braking performance of new self-propelled rubber ty	red load haul dumpers and dump trucks for use underground.	
SANS 1589-1:2012		
The braking performance of trackless mobile mining machines Part 1: Gener	al requirements	
Ed 1.00 A4 30p EN	Gr 9	
PDF 30p EN	73.100.40	
Specifies requirements for the braking performance of trackless mobile mining ma	chines that are used in mining operations.	

SANS 1589-2:2012 The braking performance of trackless mobile mining machines Part 2: Self-pr	opelled machines with friction brake systems
Ed 1.00 A4 5p EN	Gr 4
Specifies requirements for the braking performance of self-propelled trackless mob use friction brakes as the primary means of stopping the machine.	73.100.40 vile mining machines (TMMMs) that are used in mines, and that
SANS 1589-5:2012	
Ed 1.00 A4 6p EN	Gr 4
PDF 6p EN	73.100.40
use hydrostatic drive systems.	me mining machines (TMMMMS) that are used in mines, and that
SANS 1589-6:2012	copolled read going vehicles modified for mining use
Ed 1.00 A4 5p EN	Gr 4
PDF 5p EN	73.100.40
Specifies requirements for the braking performance of self-propelled trackless mob use road-going vehicles modified for mining use.	ile mining machines (TMMMs) that are used in mines, and that
SANS 1589-7:2012	r and tractor toursd trailers
Ed 1.00 A4 9p EN	Gr 5
PDF 9p EN	73.100.40
Specifies requirements for the braking performance of trackless mobile mining mac and their towing machines.	chines (TMMMs) that are used in mines. It is limited to trailers
SANS 1591:1993 (2000-06-13) (SABS 1591) Automotive glass adhesive/sealant for the installation of original and replaced Ed 1 00 A4 230 EN	ment glass by the direct glazing method
PDF 23p EN	43.040.65; 83.180
Specifies the characteristics of 2 types of automotive glass adhesive/sealant, and a for the installation of all direct glazed automotive glass. Am 1(National), 1995-03-01	any primer or adhesion promoter that is an essential component
SANS 1592:2005 (SABS 1592)	
Short-link steel chain (close-tolerance) for lifting appliances	
Ed 1.02 A4 16p EN PDF 16p EN	Gr 7 53.020.30
Specifies the requirements for electrically welded close-tolerance short link steel ch grades T and V, intended for use as load chains in chain hoists and similar appliant	nain ranging in size from 5,0 mm to 12,5 mm (inclusive) of ces.
Am I(National), 1998-03-30 Am 2(National), 2005-12-02	
SANS 1593:1994 (2002-01-17) (SABS 1593)	
Ed 1.00 A4 17p EN	Gr 9
PDF 17p EN	11.080.20
Specifies requirements for 2 types of disinfectant based on glutaraldehyde and inte	ended for use on medical instruments.
SANS 1594:2007 (SABS 1594)	
Manually operated chain blocks	
Ed 2.01 A4 13p EN PDF 13p EN	Gr 6 53.020.30
Specifies requirements for chain blocks that require the use of a hand chain for hoi Am 1(National), 2007-11-09	sting and lowering.

SANS 1595:2003 (2009-05-29) (SABS 1595)	
Forged steel lifting hooks for use with steel chains of strength grade M(4), P(5), S(6), T(8) and V(10)
Ed 2.00 A4 16p EN PDF 16p EN	Gr 7 53.020.30
Specifies the requirements for forged steel lifting hooks with point and eye, in strength grade $M(4)$, P(5), S(6), T(8) and V(10) chain complying with SABS 1	a range of sizes compatible with the corresponding chain sizes of 89 and SABS 1592.
SANS 1596:2011 (SABS 1596)	
Drop forged evebolts and evenuts for lifting purposes	
Ed 1.02 A4 29p EN	Gr 9
PDF 29p EN	53.020.30
Specifies the basic dimensions, materials, lifting capacity, testing and condition eyebolts and eyenuts can be used for vertical and inclined lifting. Covers eyel Am 1(National), 2007-03-16 Am 2(National), 2011-01-28	ons of use of eyebolts and eyenuts for general lifting purposes. These bolts with and without recessed collars.
SANS 1597:2011 (SABS 1597)	
Antiseptics based on chlorhexidine gluconate	
Ed 2.00 A4 16p EN	Gr 7
PDF 16p EN	11.120.10
Specifies requirements for antiseptic products based on chlorhexidine glucon chemical agents, and that are water-miscible and intended for use on live tiss	ate that may contain a detergent or detergents and other compatible sue.
SANS 1598:2006 (SABS 1598)	
Unleaded petrol	
Ed 2.00 A4 16p EN	Gr 7
specifies requirements and test methods for marketed and delivered metal-co	75.160.20 ontaining unleaded petrol and metal-free unleaded petrol grades
suitable for use in spark-ignition internal-combustion engines excluding aviation	on piston engines.
SANS 1599-1:2006 (SABS 1599-1)	
Cranes Part 1: Cantilever/Slewing jib cranes	
Ed 1.04 A4 30p EN PDF 30p EN	Gr 9 53.020.20
Specifies the requirements for cantilever/slewing jib cranes for use with either Am 1(National), 2003-03-14 Am 2(National), 2004-06-24 Am 4(National), 2006-11-24	r hand, electric or pneumatic hoists. Am 3(National), 2005-09-02
SANS 1599-2:2010 (SABS 1599-2)	
Cranes Part 2: Power-driven mobile cranes	
Ed 1.02 A4 52p EN PDF 52p EN	Gr 12 53.020.20
Specifies the requirements for the design, construction and testing of power- or tracked or have a fixed base, and whose characteristics include any combi slewing, and non-slewing. Covers articulated jib cranes mounted on load-carr vehicle of which the crane is a part.	driven mobile and semi-mobile cranes that are road-wheel mounted, ination of fully mobile, semi-mobile, portable, fully slewing, part- ying vehicles but does not cover all the requirements for the road
Am 1(National), 2003-11-21 Am 2(National), 2010-06-04	
SANS 1600:2007 (SABS 1600)	
Permitted electric detonators	
Ed 2.00 A4 9p EN	Gr 5
PDF 9p EN	29.260.20

The standard specifies the characteristics of two types of electric detonators, instantaneous and delay, for use in fiery mines. It does not cover electronic detonators or permitted detonators of any other type.

SANS 1601:2010 (SABS 1601) Structured wall pipes and fittings of unplasticized poly(vinyl chloride) (PVC-L	J) for buried drainage and sewerage systems
Ed 2.01 A4 43p EN PDF 43p EN	Gr 11 23,040,20: 23,040,45: 91,140,80
Covers unplasticized poly(vinyl chloride) (PVC-U) structured wall pipes (including p diameter 110 mm up to and including 1 000 mm, and intended for buried gravity dr and waste discharge of domestic and industrial origin. Pipes of larger diameter are included in this standard. Am 1(National), 2010-11-26	pipe fittings) with an essentially smooth inside surface, of nominal ainage and sewerage pipe systems for the transportation of soil considered to be engineering products and are therefore not
SANS 1602:2007 (SABS 1602)	
Electrodeposited coatings of copper and copper alloys	
Ed 1.01 A4 13p EN PDF 13p EN	Gr 6 25.220.40; 77.120.30
Specifies the requirements and methods of test for electrodeposited coatings of co ferrous metals. Does not apply to electrodeposited coatings that are used as a dec for electroforming. Am 1(National), 2007-03-16	pper and copper alloys that are applied to ferrous and non- corative finish or as an undercoat for other decorative finishes or
SANS 1609-1:2005 (2010-03-31)	
(SABS 1609-1) Padio transmissions in the VHE band Part 1: Transmission standards for EM	sound broadcasting
Ed 1.01 A4 8p EN	Gr 5
PDF 8p EN	33.060.01
Defines the transmission standards to be used in South Africa for frequency-modul (VHF Band 8). Am 1(National), 2005-01-28	lated (FM) sound broadcasting in the very high frequency band
SANS 1611:2005 (2010-03-31)	
(SABS 1611)	
Ed 1 01 A4 9n EN	Gr 5
PDF 9p EN	33.120.40
Specifies requirements for antennas designed to be used out of doors for the reception 8,0 GHz to 14,0 GHz. It is not applicable to portable antennas. Am 1(National), 2005-02-18	otion of satellite television transmissions, in the frequency range
SANS 1612:2007 (2012-06-01) (SABS 1612)	
Paper punches (desk top types)	
Ed 1.02 A4 10p EN	Gr 5
Specifies requirements for 2 grades of paper pupeles in two hele and four hele co	35.260
Am 1(National), 1996-05-27 Am 2(National), 2007-07-13	
SANS 1613:2007 (SABS 1613)	
Warp-knitted terry towelling fabric and articles	
Ed 2.00 A4 14p EN	Gr 6
PDF 14p EN	59.080.30; 97.160
Specifies the requirements for two types of single-sided pile knitted terry towelling fabric, and articles in the form of face cloths, bibs, napkins and towels made from t	fabric and six types of double-sided pile knitted terry towelling he fabrics.
SANS 1615:2011 (SABS 1615)	
Disinfectants based on glutaraldehyde for general use	
Ed 2.00 A4 17p EN	Gr 7
	71.100.35
Specifies requirements for two types of disinfectants based on glutaraldehyde and	intended for general use

SANS 1616:1995 (2001-08-28) (SABS 1616) Detergent-disinfectants based on glutaraldehyde Ed 1.00 A4 21p EN Gr 9 PDF 21p EN 71.100.35 Specifies requirements for 2 types of detergent-disinfectant based on glutaraldehyde and compatible surface-active reagents, that are miscible with water and intended for general use. SANS 1617:2012 (SABS 1617) Chains, chain wheels and slats for slat conveyors Ed 1.01 A4 18p EN Gr 7 PDF 18p EN 53.040.20 Specifies the requirements for chains, chain wheels and slats for slat conveyors of slat roller chains and plastics slat band chains. Am 1(National), 2012-11-23 SANS 1618:2008 (SABS 1618) Timber preservative - Insecticidal deltamethrin for interior use Ed 1.01 A4 10p EN Gr 5 PDF 10p EN 71.100.50 Specifies requirements for deltamethrin in a hydrocarbon solvent that, when further diluted with an organic solvent, is intended for use as an interior insecticidal timber preservative. Am 1(National), 2008-04-04 SANS 1619:2011 (SABS 1619) Small power distribution units (ready-boards) for single-phase 230 V service connections Ed 2.03 A4 23p EN Gr 9 PDF 23p EN 29.240.20; 91.140.50 Specifies requirements for distribution boxes that are ready-wired with socket-outlets, with or without a permanently wired luminaire. The boxes are intended for single-phase 230 V service connections for direct connection to the terminals of an electricity dispenser or meter, and for use either in a dwelling or installed in a waterproof enclosure. Am 1(National), 2008-07-11 Am 2(National), 2009-09-11 Am 3(National), 2011-02-04 SANS 1620:2011 (SABS 1620) Barbed tape security barriers Ed 2.01 A4 16p EN Gr 7 PDF 16p EN 13.310; 91.090 Specifies requirements for the design, construction and performance of four types of barbed tape security barriers, intended for use as barriers to protect areas against human intrusion. Am 1(National), 2011-12-15 SANS 1622:2009 (SABS 1622) New replacement brake drums for motor vehicles Ed 1.01 A4 12p EN Gr 6 PDF 12p EN 43.040.40 Specifies the composition and the performance requirements of new replacement cast-iron brake drums for motor vehicles. Am 1(National), 2009-03-13 SANS 1623:2012 (SABS 1623) Conveyor chains and their attachments (British series) Ed 1.01 A4 16p EN Gr 8 PDF 16p EN 53.040.20 BS 4116-4:1992, NEQ

NUMERICAL LIST OF STANDARDS

Specifies requirements for conveyor chains and attachments that have a tensile strength in the range 13 kN to 750 kN and that are suitable for the mechanical handling of bulk materials or unit loads (or both). It also specifies requirements for alternative types of construction, e.g. hollow and solid bearing pins, plain and flanged rollers, deep link plates and K1, K2 and K3 attachments.

Am 1(National), 2012-05-25

SANS 1624:2012	
(SABS 1624) Ruch conveyer chains	
Ed 1 01 A4 12n EN	Gr 6
PDF 12p EN	53.040.20
Specifies the requirements for bush conveyor chains for haulage systems for minir for the transportation of bulk products and general cargo of all types for mining put Am 1(National), 2012-06-01	ng purposes, and of the heavy type (with or without attachments) rposes.
SANS 1625:2006 (2012-07-20)	
(SABS 1625)	
Amplitude-modulated (AM) broadcast transmissions in the LF, MF and HF ba	nds Cr.5
PDF 7p EN	33 060 01
Gives the basic requirements for AM broadcast transmission in South Africa in bar	nds 5 (LF), 6 (MF) and 7 (HF) (as defined by the International
Telecommunications Union (ITU)).	
Am 1(National), 1996-09-29 Am 2(National), 2006-02-03	
SANS 1626:2007	
(SABS 1626)	
Electrodeposited coatings of silver and silver alloys for decorative and prote	ctive purposes
PDF 14p EN	25 220 40· 77 120 99
Specifies requirements and methods of test for electrodeposited coatings of silver	and silver alloys on metallic and non-metallic materials, for
decorative or protective purposes (or both). Am 1(National), 2007-06-29	
SANS 1627:2007 (2013-03-15) (SABS 1627)	
Electrodeposited coatings of gold and gold alloys for decorative and protecti	ive purposes
Ed 1.01 A4 14p EN	Gr 6
PDF 14p EN	25.220.40; 77.120.99
Specifies requirements and methods of test for electrodeposited coatings (single-la metallic and non-metallic materials, for decorative or protective purposes (or both). Am 1(National), 2007-06-29	ayer, double-layer and multilayer) of gold and old alloys on
SANS 1628-2:1998 / ISO 1628-2:1998 (2012-06-15)	
(SABS ISO 1628-2)	
Determination of the viscosity of polymers in dilute solution using capillary v	iscometers Part 2: Poly(vinyl chloride) resins
Ed 1.00 A4 19p EN PDF 19p EN	Gr 9
Creation conditions for the determination of the reduced viscosity and K value of F	83.080.20
of homopolymers of the monomer vinyl chloride and copolymers, terpolymers, etc. vinyl chloride is the main constituent. The resins may contain small amounts of un course of the polymerization. Am 1(National), 2007-02-23	, of vinyl chloride with one or more other monomers, but where polymerized substances and other substances added during the
SANS 1632-1:2005	
(SABS 1632-1)	
Batteries Part 1: General information - Definitions, abbreviations and symbol	s
Ed 1.01 A4 26p EN	Gr 9
	01.040.29; 29.220.01
Am 1(National), 2005-02-18	iner parts of SAINS 1632.
SANS 1636:2007 (SABS 1636)	
Manually operated chain lever hoists	
Ed 2.01 A4 13p EN	Gr 6
PDF 13p EN	53.020.99
Specifies the requirements for manually operated chain lever hoists. Am 1(National), 2007-11-09	

SANS 1637:2008	
(SABS 1637) Reconditioned manually operated chain lover beiets	
Fd 1.02 A4 11p FN	Gr 6
PDF 11p EN	53.020.99
Specifies requirements for reconditioned manually operated chain lever hoists. Reco Am 1(National), 2002-04-19 Am 2(National), 2008-05-23	onditioning procedures are also covered.
SANS 1638:2008	
(SABS 1638)	
Pneumatically powered chain hoists	
Ed 2.00 A4 14p EN PDF 14p EN	Gr 6
Specifies the characteristics of pneumatically powered chain hoists for vertical lifting	g involving freely suspended (unguided) loads, and non-vertical
SANS 1639:2010 (SARS 1639)	
Reconditioned pneumatically powered chain hoists	
Ed 2.00 A4 9p EN	Gr 5
PDF ⁹ p EN	53.020.99
Specifies repair and test requirements for the reconditioning of pneumatically power	red chain hoists.
SANS 1640:2008	
(SABS 1640) Reconditioned manually operated chain baiets	
Ed 1.02 A4 11p EN	Gr 6
PDF 11p EN	53.020.30
Specifies requirements for reconditioned manually operated chain hoists. Reconditional Am 1(National), 2002-04-26 Am 2(National), 2008-05-23	oning procedures are also covered.
SANS 1642:2007	
(SABS 1642)	
Baker's compressed yeast	
Ed 1.02 A4 18p EN	Gr 7
PDF 18p EN	67.220.20
Specifies the requirements for edible compressed yeast that is intended for use in b Am 1(National), 2002-08-23 Am 2(National), 2007-02-23	paking.
SANS 1643:2007	
(SABS 1643)	
Dried yeast for use in wet sorghum beer brewing	
Ed 1.02 A4 26p EN PDF 26p EN	Gr 9 67 220 20
Specifica the requirements for adible dried yeast for use in the browing of wat earth	07.220.20
Am 1(National), 2002-08-23 Am 2(National), 2007-04-20	un beer.
SANS 1644:2007 (SABS 1644)	
Lenses for sunglasses and fashion spectacles - Safety requirements	
Ed 1.02 A4 21p EN	Gr 8
PDF 21p EN	11.040.70
Specifies the safety requirements for lenses of nominally zero refractive power, user intended to provide protection against sources of radiation other than natural sunligh Cor 1(National), 1995-12-22 Am 1(National), 2007-04-20	d in sunglasses and fashion spectacles. The lenses are not ht.
SANS 1645:2009 (SABS 1645)	
Portable insulated domestic food containers	
Ed 1.01 A4 16p EN	Gr 7
PDF 16p EN	55.160; 97.040.99

Specifies requirements for portable insulated bags, boxes and similar storage units intended for the domestic storage of food and beverages. Am 1(National), 2009-02-27

SANS 1649:2011 Non-automatic self-indicating, semi-se intervals	elf-indicating and non-self-indicating v	weighing instruments with denominated verification scale
Ed 2.00 A4 173p EN PDF 173p EN		Gr 17 17.100
Specifies the metrological and technical requirements for non-automatic self-indicating, semi-self-indicating and non-self-indicating weighing instruments with denominated verification scale intervals that are subject to official metrological control in terms of the relevant national legislation. Provides standardized requirements and testing procedures to evaluate the metrological and technical characteristics in a uniform and traceable way. Does not apply to instruments that do not have denominated scale intervals, or non-graduated instruments from which the result of measurement cannot be read, such as mechanical counter scales, beam scales or balances.		
SANS 1650:1995 (2001-01-23) (SABS 1650)		
Liquid fuel dispensers		
Ed 1.00 A4 32p EN PDF 32p EN		Gr 12 75.180.30
Specifies the metrological and technical for metrological controls, including type a Cor 1(National), 1996-03-07	requirements for liquid fuel dispensers th approval of liquid fuel dispensers for trade	at are subject to official metrological control. Gives requirements e purposes.
SANS 1652:2008 (SABS 1652)		
Battery chargers - Industrial type		
Ed 1.05 A4 47p EN		Gr 11
PDF 47p EN		29.220.01; 97.180
Specifies the characteristics of stabilized constant voltage, current-limited type battery chargers, for a.c. voltages up to and including 525 V, with filtered or unfiltered d.c. output. Not applicable to automotive, domestic or marine battery chargers. Cor 1(National), 1996-05-22 Am 1(National), 1997-02-17 Am 2(National), 2001-10-05 Am 3(National), 2004-07-30 Am 4(National), 2008-09-19 Am 2(National), 2001-10-05		
SANS 1653:2008		
(SABS 1053)		
Ed 1.03 A4 15p EN		Gr 7
PDF 15p EN		43.040.60; 59.080.60
Specifies the requirements for tufted and shelves, trim panels and side liner panels	I needle-punched carpeting for use on int s in the luggage compartments of motor	erior floors and luggage compartment floors and on parcel vehicles.
Col 1(National), 1999-04-16	Am 1(National), 2004-04-30	Am 2(National), 2008-10-03
SANS 1654:2009 (SABS 1654)		
DC-powered (battery-operated) maching	nes for use in hazardous locations in	mines
Ed 2.00 A4 13p EN		Gr 6
Charifica requirements for d.a. newered	(better appreted) mechines for use in b	29.260.20
SANS 1655-2011	(battery-operated) machines for use in n	
(SABS 1655)		
Welding of thermoplastics - Welding r	ods, fillers and solvents	
Ed 1.02 A4 14p EN		Gr 6
PDF 14p EN		25.160.20; 83.080.20
Specifies requirements for welding rods, Am 1(National), 2004-10-29	fillers ans solvents used for the welding Am 2(National), 2011-03-18	of thermoplastics.
SANS 1657:2011 (SABS 1657)		
Bottled water of subterranean origin		
Ed 2.02 A4 29p EN		Gr 9
PDF 29p EN		13.060.10; 13.060.20; 67.160.20
Specifies the description, treatment, testing, bottling, packaging and labelling of two types of water, namely bottled natural spring water (or bottled natural mineral water), and bottled spring water (or bottled mineral water) that are of subterranean origin and bottled at source. The two types of water may be offered as non-carbonated ("still") water or as carbonated ("sparkling") water.		
Am 1(National), 2009-07-31	Am 2(National), 2011-12-09	

SANS 1658:2007 (SABS 1658) Ballistic resistance of body armour	
Ed 2.00 A4 24p EN	Gr 9
PDF 24p EN	13.340.10; 95.020
Specifies the minimum performance requirements for the ballistic resistance of bo	dy armour intended to protect the wearer's torso against gunfire.
SANS 1659:2007 (SABS 1659) Aluminium master alloys for remelting Ed 1.01 A4 14p EN	Gr 6
PDF 14p EN	77.120.10
Specifies the chemical composition, methods of test, identification and conditions refining and alloying of cast and wrought aluminium products. Am 1(National), 2007-02-09	of supply for a range of aluminium master alloys used for grain
SANS 1660:2005 (2010-12-09) (SABS 1660) Correction fluids	
Ed 2.00 A4 9p EN	Gr 5
PDF 9p EN	87.080; 97.180
Specifies the requirements for correction fluids that are intended for the correction preparation. Also covers correction fluids that are used in conjunction with thinners	of typing and writing errors and that are used for copy S.
SANS 1661:2012 (SABS 1661) Cord extension sets	
Ed 3.00 A4 7p EN PDF 7p EN	Gr 5 29 120 30
Specifies the safety requirements for cord extension sets with a rated current not e 250 V a.c., intended for household and similar general-purpose equipment.	exceeding 16 A and a rated single-phase voltage not exceeding
SANS 1668:2007 (SABS 1668) Fibre-reinforced plastics (FRP) tanks for buried (underground) storage for perfect to the storage fore	Gr 11
Covers spherical or horizontal cylindrical tanks of storage capacity not exceeding the buried (underground) storage of petroleum based fuels and oils. Am 1(National), 2007-02-02	46 m, made of fibre-reinforced plastics (FRP), and intended for
SANS 1669-1:2005 Conveyor belt pulleys Part 1: Pulley types, construction and dimensions	
Ed 1.00 A4 22p EN	Gr 8
PDF 22p EN	53.040.20
Specifies details on pulley types, construction and dimensions. Also covers handli	ng of pulleys and shafts, and marking.
SANS 1669-2:2008 Conveyor belt pulleys Part 2: Lagging	
Ed 1.01 A4 13p EN	Gr 6
Specifies characteristics of lagging for conveyor belt pulleys. Covers flame retarda and includes lagging for underground use. Am 1(National), 2008-06-13	53.040.20 Int and non-flame retardant rubber lagging and ceramic lagging
SANS 1670:2008 (SABS 1670)	
Warning lights	
Ed 1.01 A4 15p EN	Gr 7
Specifies the requirements for warning lights for temporary and for permanent mo	43.040.20

Specifies the requirements for warning lights for temporary and for permanent mounting on vehicles. Does not cover (a) hazard lights of vehicles (simultaneous operation of all direction indicators), (b) the positioning of warning lights on a vehicle, and (c) the method of connection of warning lights to the vehicle's electrical system.

Am 1(National), 2008-05-23

SANS 1671-1:2007	
(SABS 1671-1)	
Ed 1 01 A4 000 EV	
PDF 22p EN	25 160 30: 83 080 20
Specifies requirements for machines and equipment used for heated-tool butt weldi welding of polyethylene (PE), polypropylene (PP), polybutylene (PB) and polyvinylic design practice for machine manufacturers.	ing and socket welding of thermoplastics, in particular for the lene fluoride (PVDF). Is intended as a general guide to good
Ani ((National), 2007-00-31	
SANS 1671-2:2004 (2010-06-17) (SABS 1671-2)	
Welding of thermoplastics: Machines and equipment Part 2: Electrofusion we	elding
PDF 11p EN	Gr 6 25 160 10
This part of SANS 1671 specifies requirements for machines and equipment used f welding of polyolefin (PE-HD, PE-MD and PP) pipes. It is applicable only to automa Am 1(National), 2004-04-23	for electrofusion welding of thermoplastics, in particular the tic welding machines, using a single-phase power supply.
SANS 1671-3:2004 (2010-06-04) (SABS 1671-3)	
Welding of thermoplastics - Machines and equipment Part 3: Hot-gas welding	
Ed 1.01 A4 9p EN	Gr 5
PDF 9p EN	25.160.10; 83.080.20
Specifies requirements for machines and equipment used for hot-gas welding of the Am 1(National), 2004-10-22	ermoplastics.
SANS 1671-4:2004 (2010-06-04)	
(SABS 1671-4)	
Welding of thermoplastics - Machines and equipment Part 4: Hot-gas extrusion	on welding
Ed 1.01 A4 9p EN PDF 9p EN	Gr 5
Specifies requirements for machines and equipment used for hot-gas extrusion wel Am 1(National), 2004-10-22	ding of thermoplastics.
SANS 1671 6:0002 (2010 06 04)	
Welding of thermoplastics - Machines and equipment Part 6: Ultrasonic weldi	ng. staking and insertion
Ed 1.00 A4 13p EN	Gr 6
PDF 13p EN	25.160.30
Specifies requirements for machines and equipment used for ultrasonic welding of for ultrasonic staking or insertion operations.	thermoplastics, also applicable to machines which may be used
SANS 1673:2011	
(SABS 1673)	
Disinfectants based on organic halogen compounds (other than iodine compo	ounds)
PDF 18p EN	Gr / 71 100 35
Specifies requirements for two types of disinfectants that contain organic halogen c bromine or chlorine, in which the halogen(s) is (are) directly linked to nitrogen and t surface-active agents and phosphates), which are miscible with water and intended	ompounds (other than iodine compounds), such as fluorine, hat also contain other chemical agents (such as compatible for use on inanimate surfaces
SANS 1674:2007 (SABS 1674)	
Disinfectants based on iodophors	
Ed 1.01 A4 17p EN	Gr 7
PDF 1/p EN	71.100.35
Specifies requirements for two types of disinfectants that contain iodophor(s) and contained for use on inanimate surfaces. It is intended for the evaluation of disinfectation Am 1(National), 2007-12-14	ompatible surface agents that are miscible with water and ants for general use.
SANS 1675:2001	
(SABS 1675)	
Ed 1.02 A4 70p EN	ucis Gr 15
PDF 70p EN	67.120.10

Specifies requirements for the manufacture, production, processing and treatment of canned meat products intended for human consumption. Am 1(National), 1999-10-29 Am 2(National), 2001-05-04

SANS 1678:2010 (SABS 1678) Sterilized milk	
Ed 2.00 A4 22p EN	Gr 8
PDF 22p EN Specifies requirements for ultra-high temperature (UHT) sterilized milk, sterilized m	67.100.10 nilk and sterilized flavoured milk intended for human
SANS 1679:2010 (SABS 1679) Pacteurized milk	
Ed 2.00 A4 22p EN	Gr 8
PDF 22p EN	67.100.10
Specifies requirements for homogenized or unhomogenized pasteurized milk inten-	ded for human consumption.
SANS 1697:2007 (SABS 1697)	
Verification standards for the verification of mass-measuring instruments, in	cluding commercial standard masspieces
Ed 1.02 A4 21p EN PDF 21p EN	Gr 8
Specifies metrological and technical requirements for verification standards that are nassmeters and commercial standard masspieces that are required to be verified foreword), and (b) massmeters used to determine the mass of reference material the mass of the mass of the mass of the mass of the material the mass of the mass of the mass of the mass of the material the mass of the mass of the mass of the mass of the material the mass of the mas	e used by inspectors and verification officers to verify (a) in terms of the relevant national metrology legislation (see hat, in turn, is used to verify massmeters.
SANS 1698:2007 (SABS 1698) Varification standards for the varification of valume measuring instruments	including commonaid standards of volume
Ed 1.02 A4 22p EN	Gr 8
PDF 22p EN	17.060
Specifies metrological and technical requirements for verification standards that are measuring instruments for liquids, including commercial standards of volume that a metrology legislation.	e used by inspectors and verification officers to verify volume- are required to be verified in terms of the relevant legal
Am 1(National), 2005-06-03 Am 2(National), 2007-03-30	
SANS 1700 SET:1996 (SABS 1700 SET)	
Fasteners. All parts of SABS 1700 sold only in CD-ROM.	
Ed 1.00 A5 1420p EN Loose-leaf, binder included	Gr 37
Am 1(National), 1999-02-12	
SANS 1700-1-1:2010 / ISO 1891:2009 (SABS 1700-1-1)	
Fasteners Part 1: Terminology and nomenclature Section 1: Bolts, screws, nu	uts and accessories
Ed 2.00 A5 128p EN	Gr 17
avs down the terminology and nomenclature of bolts, screws, puts and accessorie	01.040.21; 21.060.01
SANS 1700-1-2:2010 / ISO 5408:2009	
(SABS 1700-1-2)	
Fasteners Part 1: Terminology and nomenciature Section 2: Cylindrical screw	Gr 12
PDF 45p EN	01.040.21; 21.040.10
Provides fundamental terms and definitions applicable to cylindrical screw threads	with profiles (in an axial plane) based on triangles.
SANS 1700-2-1:2003 / ISO 68-1:1998 (2010-01-22) Fasteners Part 2: Screw threads Section 1: ISO conoral purpose serving thread	de - Rasio profile - Metric scrow throads
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
PDF 6p EN	21.040.10
Specifies the basic profile for ISO general purpose metric screw threads (M).	

SANS 1700-2-2:2003 / ISO 261:1998 (2010-01-22) Fasteners Part 2: Screw threads Section 2: ISO general purpose metric screw	v threads - General plan	
Ed 1.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6 21.040.10	
Specifies ISO general purpose metric screw theads (M) having basic profile accord ISO 724. For tolerances see ISO 965-1.	ling to SANS 1700-2-1/ISO 68-1. Basic dimensions are given in	
SANS 1700-2-3:2003 / ISO 262:1998 (2010-01-22) Fasteners Part 2: Screw threads Section 3: ISO general purpose metric screw	v threads - Selected sizes for screws, bolts and nuts	
Ed 1.00 A5 5p EN Loose-leaf PDF 5p EN	Gr 5 21.040.10	
Specifies selected sizes for screws, bolts and nuts in the diameter range from 1 m having basic profile according to SANS 1700-2-1/ISO 68-1.	m to 64 mm of ISO general purpose metric screw threads (M)	
SANS 1700-2-4:1996 / ISO 724:1993 (2009-10-23) (SABS 1700-2-4)		
Fasteners Part 2: Screw threads Section 4: ISO general-purpose metric screw Ed 1.00 A5 11p EN Loose-leaf PDF 11p EN	v threads - Basic dimensions Gr 7 21.040.10	
Specifies the basic dimensions, in millimetres, of ISO metric screw threads in accordadoption under the designation SANS 1700-2-2). Am 1(National), 2004-08-06	ordance with ISO 261 (published in South Africa as an identical	
SANS 1700-2-5:2003 / ISO 965-1:1998 (2010-02-26) (SABS 1700-2-5)		
Fasteners Part 2: Screw threads Section 5: ISO general purpose metric screw	v threads - Tolerances - Principles and basic data	
PDF 21p EN	21.040.10	
Specifies the basic profile for ISO general purpose metric screw threads (M) confo	rming to ISO 261.	
SANS 1700-2-6:2003 / ISO 965-2:1998 (2010-02-26) (SABS 1700-2-6) Fasteners Part 2: Screw threads Section 6: ISO general purpose metric screw purpose external and internal screw threads - Medium quality	v threads - Tolerances - Limits of sizes for general	
Ed 2.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6 21.040.10	
Specifies limits of sizes for pitch and crest diameters for ISO general purpose methaving a basic profile according to SANS 1700-2-1/ISO 68-1.	ric screw threads (M) conforming to SANS 1700-2-3/ISO 262	
SANS 1700-2-7:2003 / ISO 965-3:1998 (2010-02-26) (SABS 1700-2-7)	uthusede Televenese Devisions for sectional	
screw threads	v threads - Tolerances - Deviations for constructional	
Ed 2.00 A5 19p EN Loose-leaf PDF 19p EN	Gr 9 21.040.10	
Specifies deviations for pitch and crest diameters for ISO general purpose metric s a basic profile according to SANS 1700-2-1/ISO 68-1.	crew threads (M) conforming to SANS 1700-2-2/ISO 261 having	
SANS 1700-2-8:2009 / ISO 1501:2009 (SABS 1700-2-8)		
Fasteners Part 2: Screw threads Section 8: ISO miniature screw threads Ed 2.00 A4 21p EN	Gr 9	
PDF 21p EN	21.040.30	
Specifies the theoretical profile associated with the basic sizes of the major, pitch a these basic sizes; comprises thread sizes from 0.3 mm to 1.4 mm in diameter; cor	and minor diameters of the thread; the deviations are applied to tains tables and the structure of the tolerance system.	
SANS 1700-2-9:1996 / ISO 1502:1996 (2009-10-23) (SABS 1700-2-9)		
Fasteners Part 2: Screw threads Section 9: ISO general-purpose metric screw	v threads - Gauges and gauging	
Ed 1.00 A5 33p EN Loose-leaf PDF 33p EN	Gr 11 21.040.10	
Gives the necessary instructions for the manufacture and use of gauges for checking ISO general purpose metric screw threads with a basic profile in accordance with ISO 68. Am 1(National), 2004-08-06		
SANS 17 (SABS 17	00-2-10:1996 / ISO 263:1973 (2009-10-23) 700-2-10) s Part 2: Screw threads Section 10: ISO inch screw threads - Genera	u nian and selection for screws holts and nuts -
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Diameter	range 0.06 to 6 in	i plan and selection for screws, boits and huts -
Ed 1.00	A5 8p EN Loose-leaf	Gr 6
	PDF 8p EN	21.040.20
Tabulates both a ge Am 1(Na	ISO inch screw threads (except for pipe threads) having the basic profile neral plan of the ISO inch screw threads and the ISO inch screw threads ional), 2004-08-27	e for triangular screw threads specified in ISO 68. Comprises for screws, bolts and nuts.
SANS 17 (SABS 17	00-2-11:2010 / ISO 725:2009 /00-2-11)	
Fastener	s Part 2: Screw threads Section 11: ISO inch screw threads - Basic o	limensions
Ed 2.00	A5 19p EN PDF 19p EN	Gr 9 21.040.20
Specifies adoption	the basic dimensions, in inches, of ISO inch screw threads in accordanc under the designation SANS 1700-2-10).	e with ISO 263 (published in South Africa as an identical
SANS 17 (SABS 17	00-2-12:1996 / ISO 5864:1993 (2009-10-23) /00-2-12)	
Fastener	s Part 2: Screw threads Section 12: ISO inch screw threads - Allowa	nces and tolerances
Ed 1.00	A5 21p EN Loose-leaf	Gr 9
	PDF 21p EN	21.040.20
Specifies 80 to 4 th	a system of allowances and tolerances for standard thread series, cover reads per inch.	ing the range of diameters from 0,06 in to 6 in, and pitches from
AIII I(Na	ional), 2004-09-05	
SANS 17 (SABS 17	00-2-13:2003 / ISO 1478:1999 (2010-02-26) 700-2-13)	
Fastener	s Part 2: Screw threads Section 13: Tapping screws thread	
Ed 2.00	A5 6p EN Loose-leaf PDF 6p EN	Gr 5 21.040.30
Specifies	the thread and thread ends for tapping screws (sheet metal screws) with	thread sizes from ST1,5 to ST9,5 inclusive.
SANS 17 (SABS 17	00-2-14:1996 / ISO 2901:1993 (2009-10-23) /00-2-14)	
Fastener	s Part 2: Screw threads Section 14: ISO metric trapezoidal screw th	eads - Basic profile and maximum material profiles
Ed 1.00	A5 10p EN Loose-leaf	Gr 6
	PDF 10p EN	21.040.10
Specifies Am 1(Nat	the basic profile and maximum material profiles of ISO metric trapezoida tional), 2004-08-06	I screw threads.
SANS 17 (SABS 17	00-2-15:1996 / ISO 2902:1977 (2009-10-23) /00-2-15)	
Fastener	s Part 2: Screw threads Section 15: ISO metric trapezoidal screw the	eads - General plan
Ed 1.00	A5 5p EN Loose-leaf PDF 5p EN	Gr 5 21.040.10
Specifies 2901 (pul Am 1(Na	a series of diameter and pitch combinations for ISO metric trapezoidal solished in South Africa as an identical adoption under the designation SA tional), 2004-08-06	crew threads having the basic profile in accordance with ISO NS 1700-2-14).
SANS 17 (SABS 17	00-2-16:1996 / ISO 2903:1993 (2009-10-23) 700-2-16)	
Fastener	s Part 2: Screw threads Section 16: ISO metric trapezoidal screw the	eads - Tolerances
Ed 1.00	A5 15p EN Loose-leaf PDF 15p EN	Gr 8 21.040.10
Specifies under the Am 1(Nat	a tolerance system for metric trapezoidal screw threads in accordance w designation SANS 1700-2-15). ional), 2004-08-06	ith ISO 2902 (published in South Africa as an identical adoption

SANS 1700-2-17:1996 / ISO 2904:1977 (2009-10-23) (SABS 1700-2-17) Fasteners Part 2: Screw threads Section 17: ISO metric trapezoidal screw thr	reads - Basic dimensions
Ed 1.00 A5 10p EN Loose-leaf PDF 10p EN	Gr 6
Specifies the basic dimensions for ISO metric trapezoidal screw threads in accord adoption under the designation SANS 1700-2-15). Am 1(National), 2004-07-23	ance with ISO 2902 (published in South Africa as an identical
SANS 1700-2-18:2003 / ISO 68-2:1998 (2010-01-22) Fasteners Part 2: Screw threads Section 18: ISO general purpose screw threads	ads - Basic profile - Inch screw threads
Ed 1.00 A5 7p EN Loose-leaf PDF 7p EN	Gr 6 21.040.20
Specifies the basic profile for ISO inch screw threads.	
SANS 1700-2-19:2003 / ISO 965-4:1998 (2010-01-22) Fasteners Part 2: Screw threads Section 19: ISO general purpose metric scre galvanized external screw threads to mate with internal screw threads tapped Ed 1.00 A5 7p EN Loose-leaf	ew threads - Tolerances - Limits of sizes for hot-dip d with tolerance position H or G after galvanizing Gr 6
PDF 7p EN	21.040.10
Specifies deviations and limits of sizes for pitch and crest diameters for ISO gener 1700-2-3/ISO 262 having a basic profile according to SANS 1700-2-1/ISO 68-1.	al purpose metric external screw threads conforming to SANS
SANS 1700-2-20:2003 / ISO 965-5:1998 (2010-02-01) Fasteners Part 2: Screw threads Section 20: ISO general purpose metric screw screw threads to mate with hot-dip galvanized external screw threads with m	ew threads - Tolerances - Limits of sizes for internal naximum size of tolerance position h before galvanizing
PDF 9p EN	21.040.10
Specifies deviations and limits of sizes for pitch and crest diameters for ISO gener 1700-2-3/ISO 262 having basic profile according to SANS 1700-2-1/ISO 68-1.	al purpose metric internal screw threads conforming to SANS
SANS 1700-2-21:2004 / ISO 5855-1:1999 (2010-02-01) Fasteners Part 2: Screw threads Section 21: Aerospace - MJ threads - Genera	al requirements
Ed 1.00 A5 38p EN Loose-leaf PDF 38p EN	Gr 11 49.030.10
Specifies the general requirements for MJ threads used in aerospace construction a system for designating the diameter and pitch combinations.	. Determines the basic triangular profile for MJ threads and gives
SANS 1700-2-22:2004 / ISO 5855-2:1999 (2010-01-22) Fasteners Part 2: Screw threads Section 22: Aerospace - MJ threads - Limit c	limensions for bolts and nuts
Ed 1.00 A5 9p EN Loose-leaf	Gr 6
PDF 9p EN Specifies limit dimensions for M L threads for bolts and puts of nominal diameter 1	49.030.10
SANS 1700-3-1:1996 / ISO 225:1983 (2009-11-13) (SABS 1700-3-1) Fasteners Part 3: Forms, dimensions and designations Section 1: Bolts, scr dimensions	ews, studs and nuts - Symbols and designations of
Ed 1.00 A5 24p EN Loose-leaf PDF 24p EN	Gr 10 21.060.10: 21.060.20
Lays down the method of dimensioning bolts, screws, studs and nuts. Includes cc Am 1(National), 2004-08-06	mmon symbols and describes the feature.
SANS 1700-3-2:1996 / ISO 272:1982 (2009-11-13) (SABS 1700-3-2)	
Fasteners Part 3: Forms, dimensions and designations Section 2: Hexagon	products - Widths across flats
Ed 1.00 A5 6p EN Loose-leaf PDF 6p EN	Gr 5 21.060.01
Specifies widths across flats for hexagon products, for example hexagon head bolt and nuts. Also specifies a logical ratio between underhead (or nut) bearing area ar Am 1(National), 2004-08-20	ts and screws, hexagon nuts and hexagon flanged bolts, screws and the tensile stress area of the screw thread.

SANS 1700-3-3:1996 / ISO 273:1979 (2009-11-13) (SABS 1700-3-3)	
Ed 1.00. A5 6p EN Loose-leaf	Gr 5
PDF 6p EN	21.060.10
Specifies clearance hole diameters for general purpose applications. Am 1(National), 2004-08-06	
SANS 1700-3-4:2003 / ISO 885:2000 (2010-02-26)	
(SABS 1700-3-4) Fasteners Part 3: Forms, dimensions and designations Section 4: General pu head	urpose bolts and screws - Metric series - Radii under the
Ed 2.00 A5 7p EN Loose-leaf	Gr 6
Specifies the sizes of the radii under the head and the transition diameters of metr	ic series general purpose bolts and screws.
SANS 1700-3-5:1996 / ISO 888:1976 (2009-11-13)	
(SABS 1700-3-5) Fasteners Part 3: Forms, dimensions and designations Section 5: Bolts, scre general purpose bolts	ews and studs - Nominal lengths, and thread lengths for
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
PDF 6p EN	21.060.10
Specifies nominal lengths for bolts, screws and studs, and thread lengths for gene Am 1(National), 2004-08-06	ral purpose bolts.
SANS 1700-3-6:1996 / ISO 3508:1976 (2009-11-13) (SABS 1700-3-6)	
Fasteners Part 3: Forms, dimensions and designations Section 6: Thread run 261 and ISO 262	n-outs for fasteners with thread in accordance with ISO
Ed 1.00 A5 7p EN Loose-leaf	Gr 6
Exactly a set of the fact fact fact for the set of the second and the second set of	21.040.10; 21.060.01
designation SANS 1700-2-2) and with ISO 262 (published in South Africa as an ide Am 1(National), 2004-08-06	entical adoption under the designation SANS 1700-2-3).
SANS 1700-3-7:2003 / ISO 4753:1999 (2010-02-26) (SABS 1700-3-7)	
Fasteners Part 3: Forms, dimensions and designations Section 7: Fasteners	- Ends of parts with external ISO metric thread
Ed 2.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6
Lave down the form and dimensions of ends of parts with external ISO metric three	21.040.10, 21.060.01
	au (ioi example, boil and screw ends).
SANS 1700-3-8:1996 / ISO 4755:1983 (2009-11-13) (SABS 1700-3-8)	
Fasteners Part 3: Forms, dimensions and designations Section 8: Thread un	Gr 5
PDF 6p EN	21.040.10; 21.060.01
Lays down the form and dimensions of thread undercuts for bolts, screws and sim cases where an undercut is needed for threaded components such as plugs. Am 1(National), 2004-08-06	ilar externally threaded products, recommended for use in those
SANS 1700-3-9:1996 / ISO 4757:1983 (2009-11-13) (SABS 1700-3-9)	
Fasteners Part 3: Forms, dimensions and designations Section 9: Cross rece	esses for screws
Ed 1.00 A5 13p EN Loose-leaf	Gr 7
PDF 13p EN	21.060.10
Defines 2 types of cross recesses for screws: recess type H and recess type Z. Am 1(National), 2004-08-06	
SANS 1700-3-10:1996 / ISO 7378:1983 (2009-11-13) (SABS 1700-3-10)	
Fasteners Part 3: Forms, dimensions and designations Section 10: Bolts, sc	rews and studs - Split pin holes and wire holes
Ed 1.00 A5 7p EN Loose-leaf PDF 7p EN	Gr 6 21.060.10
Lays down the dimensions and position of split pin holes and wire holes for bolts, s Am 1(National), 2004-08-06	screws and studs.

SANS 1700-3-11:1996 / ISO 7721:1983 (2009-11-13)	
Fasteners Part 3: Forms, dimensions and designations Section 11: Counters	unk head screws - Head configuration and gauging
Ed 1.00 A5 7p EN Loose-leaf	Gr 6
PDF 7p EN	21.060.10
Specifies the characteristics of head configurations of slotted and recessed counte head dimensions laid down in the respective product standards. Am 1(National), 2004-08-06	rsunk head screws, and recommends a gauging method for the
SANS 1700-3-12:1996 / ISO 7721-2:1990 (2009-11-13) (SABS 1700-3-12)	
Fasteners Part 3: Forms, dimensions and designations Section 12: Countersi recesses	unk flat head screws - Penetration depth of cross
Ed 1.00 A5 8p EN Loose-leaf	Gr 6
PDF 8p EN	21.060.10
Specifies the penetration depth of cross recesses of countersunk flat head screws Am 1(National), 2004-07-16 $$	for the 2 series 1 and 2 (deep and shallow, respectively).
SANS 1700-3-13:1996 / ISO 8991:1986 (2009-11-13) (SABS 1700-3-13)	
Fasteners Part 3: Forms, dimensions and designations Section 13: Designati	on system for fasteners
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
PDF 6p EN	21.060.01
Specifies a system for the designation of fasteners in product standards. Am 1(National), 2004-08-06	
SANS 1700-4-1:2003 / ISO 4759-1:2000 (2010-02-26) (SABS 1700-4-1)	
Fasteners Part 4: Tolerances Section 1: Tolerances for fasteners - Bolts, scre	ws, studs and nuts - Product grades A, B and C
Ed 2.00 A5 62p EN Loose-leaf	Gr 14
	21.060.10; 21.060.20
Gives a selection of tolerances for bolts, screws and nuts with ISO metric threads a product grade A.	and with product grades A, B and C and for tapping screws with
SANS 1700-4-3:2003 / ISO 4759-3:2000 (2010-02-26) (SABS 1700-4-3)	
Fasteners Part 4: Tolerances Section 3: Tolerances for fasteners - Plain wash	ers for bolts, screws and nuts - Product grades A and C
Ed 2.00 A5 11p EN Loose-leaf	Gr 7
Establishes a selection of tolerances for use in the preparation of ISO product stan	21.060.30 dards for punched plain washers of product grades A and C for d including 150 mm
SANS 1700-5-1:2011 / ISO 898-1:2009	
(SABS 1700-5-1) Fasteners Part 5: General requirements and mechanical properties Section 1 steel and alloy steel - Bolts, screws and studs	: Mechanical properties of fasteners made of carbon
Ed 3.00 A5 62p EN	Gr 14
PDF 62p EN	21.060.10
Specifies the mechanical properties of bolts, screws and studs made of carbon ste degrees C to 35 degrees C.	el and alloy steel when tested at an ambient temperature of 10
SANS 1700-5-2:1996 / ISO 898-2:1992 (2009-11-13) (SABS 1700-5-2)	
Fasteners Part 5: General requirements and mechanical properties Section 2	: Nuts with specified proof load values - Coarse thread
Ed 1.00 A5 20p EN Loose-leaf PDF 20p EN	Gr 9 21.060.20
Specifies the mechanical properties of nuts with specified proof load values when t Am 1(National), 2004-08-06	ested at room temperature.
SANS 1700-5-3:2003 / ISO 898-5:1998 (2010-02-26) (SABS 1700-5-3)	
Fasteners Part 5: General requirements and mechanical properties Section 3 steel and alloy steel - Set screws and similar threaded fasteners not under terms	: Mechanical properties of fasteners made of carbon nsile stresses
Ed 2.00 A5 11p EN Loose-leaf	Gr 7
Specifies the mechanical properties of set screws and similar threaded fasteners n	21.060.10 ot under tensile stresses with nominal thread diameters from 1,6
mm up to and including 24 mm, which are made of carbon steel or alloy steel.	

SANS 1700-5-4:1996 / ISO 898-6:1994 (2009-11-13) (SABS 1700-5-4) Fasteners Part 5: General requirements and mechanical properties Section	4: Nuts with specified proof load values - Fine pitch		
thread			
Ed 1.00 A5 14p EN Loose-leaf PDF 14p EN	Gr 7 21.060.20		
Specifies the mechanical properties of nuts with specified proof load values when Am 1(National), 2004-08-06	tested at an ambient temperature range of + 10 $^{\circ}$ C to + 35 $^{\circ}$ C.		
SANS 1700-5-5:2010 / ISO 2320:2008 (SABS 1700-5-5)			
Fasteners Part 5: General requirements and mechanical properties Section and performance properties	5: Prevailing torque type steel hexagon nuts - Mechanical		
Ed 2.00 A5 24p EN PDF 24p EN	Gr 10		
Specifies the mechanical and performance properties for prevailing torque type s an ambient temperature range of 10 $^{\circ}$ C to 35 $^{\circ}$ C. Properties will vary at higher an	teel hexagon nuts (including those with flange) when tested over d lower temperature.		
SANS 1700-5-6:1996 / ISO 2702:1992 (2009-11-13) (SABS 1700-5-6)			
Fasteners Part 5: General requirements and mechanical properties Section	6: Heat-treated steel tapping screws		
Ed 1.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6 21.060.10		
Specifies the characteristics of heat-treated steel tapping screws, with tapping screw thread from ST2,2 to ST8 inclusive in accordance with ISO 1478 (published in South Africa as an identical adoption under the designation SANS 1700-2-13).			
SANS 1700-5-8:2003 / ISO 3506-1:1997 (2010-02-26) (SABS 1700-5-8)			
Fasteners Part 5: General requirements and mechanical properties Section steel fasteners - Bolts, screws and studs	8: Mechanical properties of corrosion-resistant stainless-		
Ed 1.01 A5 26p EN Loose-leaf PDF 26p EN	Gr 10 21.060.10		
Specifies the mechanical properties of bolts, screws and studs made of austenitic steels when tested over an ambient temperature range of 15 °C to 25 °C. Properties of the steel over an ambient temperature range of 15 °C to 25 °C.	c, martensitic and ferritic grades of corrosion-resistant stainless ies will vary at higher or lower temperatures.		
Am 1(National), 2003-08-01			
SANS 1700-5-9:2003 / ISO 3506-2:1997 (2010-02-26) (SABS 1700-5-9)			
Fasteners Part 5: General requirements and mechanical properties Section steel fasteners - Nuts	9: Mechanical properties of corrosion-resistant stainless-		
Ed 1.01 A5 20p EN Loose-leaf	Gr 9		
	21.060.20		
over an ambient temperature range of 15 °C to 25 °C. Properties will vary at high Am 1(National), 2003-08-01	er or lower temperatures.		
SANS 1700-5-10:2003 / ISO 3506-3:1997 (2010-02-26)			
Fasteners Part 5: General requirements and mechanical properties Section	10: Mechanical properties of corrosion-resistant		
Ed 1.01 A5 18p EN Loose-leaf	Gr 8		
PDF 18p EN	21.060.10		
Specifies the mechanical properties of set screws and similar fasteners not under an ambient temperature range of 15 $^{\circ}$ C to 25 $^{\circ}$ C. Properties will vary at higher or I Am 1(National), 2003-08-01	r tensile stress made of austenitic stainless steel when tested over ower temperatures.		
SANS 1700-5-11:2003 / ISO 4042:1999 (2010-02-26) (SABS 1700-5-11)			
Fasteners Part 5: General requirements and mechanical properties Section	11: Electroplated coatings		
Ed 2.00 A5 28p EN Loose-leaf PDF 28p EN	Gr 10 21.060.01: 25.220.40		
Specifies dimensional requirements for electroplated threaded fasteners of steel recommendations for hydrogen embrittlement relief for fasteners with high tensile	or copper alloy. Specifies coating thicknesses and gives strength or hardness and for surface-hardened fasteners.		

NUMERICAL LIST OF STANDARDS			
SANS 1700-5-12:1996 / ISO 6157-1:1988 (2009-11-13) (SABS 1700-5-12) Fasteners Part 5: General requirements and mechanical properties Secti	ion 12: Surface discontinuities - Bolts, screws and studs for		
general requirements			
Ed 1.00 A5 14p EN Loose-leaf PDF 14p EN	Gr 7 21.060.10		
Establishes limits for various types of surface discontinuities on bolts, screws Am 1(National), 2004-08-06	and studs for general requirements.		
SANS 1700-5-13:1996 / ISO 6157-3:1988 (2009-12-11) (SABS 1700-5-13)			
Fasteners Part 5: General requirements and mechanical properties Secti special requirements	ion 13: Surface discontinuities - Bolts, screws and studs for		
Ed 1.00 A5 18p EN Loose-leaf PDF 18p EN	Gr 8 21.060.10		
Establishes limits for various types of surface discontinuities on bolts, screws and studs for special requirements. Am 1(National), 2004-08-06			
SANS 1700-5-14:1996 / ISO 8839:1986 (2009-12-11) (SABS 1700-5-14)			
Fasteners Part 5: General requirements and mechanical properties Secti metals	ion 14: Bolts, screws, studs and nuts made of non-ferrous		
Ed 1.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6 21.060.10; 21.060.20		
Specifies the mechanical properties of bolts, screws, studs and nuts with nom thread in accordance with ISO 261 (published in South Africa as an identical a and copper alloys or aluminium and aluminium alloys. Am 1(National), 2004-08-06	ninal thread diameters, d, from M1,6 to M39 inclusive; with metric ISO adoption under the designation SANS 1700-2-2); and made of copper		
SANS 1700-5-15:2008 / ISO 8992:2005 (SABS 1700-5-15)			
Fasteners Part 5: General requirements and mechanical properties Section	ion 15: Bolts, screws, studs and nuts		
Ed 2.00 A4 9p EN PDF 9p EN	Gr 6		
Specifies the general requirements for standardized bolts, screws, studs and	nuts. Can also be used for non-standardized fasteners.		
SANS 1700-5-16:2003 / ISO 10666:1999 (2010-02-01)			
Fasteners: Part 5: General requirements and mechanhical properties Se Mechanical and functional properties	ction 16: Drilling screws with tapping screw thread -		
Ed 1.00 A4 11p EN Loose-leaf	Gr 7		
PDF 11p EN	21.060.01; 25.220.40		
Specifies the properties of heat treated screws with a tapping screw thread in point which automatically drills the core hole for the screw during assembly.	accordance with ISO 1478, and which are designed with a drilling		
SANS 1700-5-17:2003 / ISO 7085:1999 (2010-02-01) Fasteners Part 5: General requirements and mechanical properties Secti hardened and tempered metric thread rolling screws	ion 17: Mechanical and performance requirements of case		
Ed 1.00 A5 13p EN Loose-leaf PDF 13p EN	Gr 7 21.060.10		
Specifies the requirements for case hardened and tempered metric thread rol Standard produce female threads which fit ISO general purpose metric screw thread diameter, for use in general engineering applications.	ling screws. Thread rolling screws according to this International threads, in the range from 2 mm up to and including 12 mm nominal		
SANS 1700-5-18:2003 / ISO 10683:2000 (2010-02-01) Fasteners Part 5: General requirements and mechanical properties Sections	ion 18: Fasteners - Non-electrolytically applied zinc flake		
Ed 1.00 A4 15p EN Loose-leaf PDF 15p EN	Gr 8 21.060.01: 25.220.40		
Specifies requirements for thickness, corrosion resistance and mechanical and physical properties of non-electrolytically applied zinc flake coatings on steel fasteners with metric threads. Applies to both coatings with or without chromate.			

SANS 1700-6-2:2003 / ISO 3269:2000 (2010-02-26)	
(SABS 1700-6-2)	A
Fasteners Part 6: Testing and acceptance inspection Section 2: Fasteners -	Acceptance inspection Gr 10
PDF 24p EN	21.060.01
Specifies the acceptance inspection procedure that the purchaser of fasteners has accepted or rejected in cases where no other such procedure was agreed with the screws, studs, nuts, pins, washers, blind rivets and other related fasteners.	to follow in order to determine whether a lot of fasteners will be supplier at the time the fasteners were ordered. Applies to bolts,
SANS 1700-6-3:1996 / ISO 3800:1993 (2009-12-11) (SABS 1700-6-3)	
evaluation of results	steners - Axiai load fatigue testing - Test methods and
Ed 1.00 A5 22p EN Loose-leaf PDF 22p EN	Gr 9 21.060.01
Specifies the conditions for carrying out axial load fatigue tests on threaded fasten results.	ers, as well as recommendations for the evaluation of the
Am 1(National), 2004-08-06	
SANS 1700-6-4:1996 / ISO 8749:1986 (2009-12-11) (SABS 1700-6-4)	
Fasteners Part 6: Testing and acceptance inspection Section 4: Pins and gro	oved pins - Shear test
Ed 1.00 A5 5p EN Loose-leaf PDF 5p EN	Gr 5
Specifies the test method for shear testing of metallic pins with nominal diameters Am 1(National) 2004-08-06	from 0,8 mm to 25 mm inclusive.
SANS 1700-6-5:1998 / ISO 10484:1997 (2011-04-08)	
(SABS 1700-6-5) Fasteners Part 6: Testing and acceptance inspection Section 5: Widening test	st on nuts
Ed 1.00 A5 6p EN Loose-leaf PDF 6p EN	Gr 5 21.060.20
Specifies the test procedure for evaluating the acceptability of surface discontinuiti steel.	es designated in ISO 6157-2 excluding nuts made of free cutting
Am 1(National), 2003-09-19	
SANS 1700-6-6:2003 / ISO 15330:1999 (2010-02-01) Fasteners Part 6: Testing and acceptance inspection Section 6: Fasteners - F embrittlement - Parallel bearing surface method	Preloading test for the detection of hydrogen
Ed 1.00 A5 13p EN Loose-leaf	Gr 7
PDF 13p EN	21.060.01
Specifies a preloading test which is able to detect the occurence of hydrogen emb applicable to metric bolts, screws and studs; thread rolling screws; self-tapping scr steel and are under tensile stress.	rittlement of fasteners at room temperature. The test is rews; self-drilling screws; nuts and washers which are made of
SANS 1700-7-1:2003 / ISO 4014:1999 (2010-02-26) (SABS 1700-7-1)	
Fasteners Part 7: External drive hexagon bolts and screws Section 1: Hexago	on head bolts - Product grades A and B
Ed 2.00 A5 17p EN Loose-leaf PDF 17p EN	Gr 8 21.060.10
Gives specifications for hexagon head bolts with threads from M1,6 up to and incluing nominal lengths up to and including 10 d or 150 mm, whichever is shorter and pro or 150 mm, whichever is shorter.	uding M64, of product grade A for threads M1,6 to M24 and duct grade B for threads over M24 or nominal lengths over 10 d
SANS 1700-7-2:1996 / ISO 4015:1979 (2009-12-11) (SABS 1700-7-2)	
Fasteners Part 7: External drive hexagon bolts and screws Section 2: Hexago diameter approximately equal to pitch diameter)	on head bolts - Product grade B - Reduced shank (shank
Ed 1.00 A5 9p EN Loose-leaf PDF 9p EN	Gr 6 21 060 10
Gives specifications for hexagon head bolts with metric dimensions and thread dia shank, of product grade B. Am 1(National), 2004-10-29	meters from 3 mm up to and including 20 mm, with reduced

SANS 1700-7-3:2003 / ISO 4016:1999 (2010-03-19)	
(SABS 1700-7-3)	
Fasteners Part 7: External drive hexagon bolts and screws Section 3: Hexa	gon head bolts - Product grade C
PDF 14p EN	21.060.10
Gives specifications for hexagon head bolts with threads from M5 up to and inclu	lding M64 of product grade C.
SANS 1700-7-4:2003 / ISO 4017:1999 (2010-03-19) (SARS 1700-7-4)	
Fasteners Part 7: External drive hexagon bolts and screws Section 4: Hexa	gon head screws - Product grades A and B
Ed 2.00 A4 16p EN Loose-leaf	Gr 8
PDF 16p EN	21.060.10
Gives specifications for hexagon head screws with threads from M1,6 up to and nominal lengths up to and including 10 d or 150 mm, whichever is shorter, and p or 150 mm, whichever is shorter.	including M64, of product grade A for threads M1,6 to M24 and roduct grade B for threads over M24 or nominal lengths over 10 d
SANS 1700-7-5:2003 / ISO 4018:1999 (2010-03-19) (SABS 1700-7-5)	
Fasteners Part 7: External drive hexagon bolts and screws Section 5: Hexa	gon head screws - Product grade C
Ed 2.00 A5 14p EN Loose-leaf PDE 14p EN	Gr 7
Cives apositions for bayagen band screws with threads from ME up to and in	21.060.10
Gives specifications for nexagon nead screws with inreads from M5 up to and in	cluding M64, of product grade C.
SANS 1700-7-6:2003 / ISO 4162:1990 (2010-02-01)	
Fasteners Part 7: External drive hexagon bolts and screws Section 6: Hexa	gon flange bolts - Small series
PDF 12p EN	Gr 7 21.060.10
Gives specifications for hexagon flange bolts, small series, with threads from M5 70.	up to and including M16 and property classes 8.8 to 10.9 and A2-
CANE 1700 7 7:0002 / ISO 7411:1094 (2010 02 01)	
Fasteners Part 7: External drive hexagon bolts and screws Section 7: Hexa width across flats (thread lengths according to SABS ISO 888) - Product gr	gon bolts for high-strength structural bolting with large ade C - Property classes 8.8 and 10.9
Ed 1.00 A5 11p EN Loose-leaf	Gr 7
PDF 11p EN	21.060.10
Gives specifications for large series hexagon, high-strengh structural bolts with n sizes from M12 up to and including M36, with thread lengths according to ISO 88	netric dimensions in property classes 8.8 and 10.9, and thread 38.
SANS 1700-7-8:2003 / ISO 7412:1984 (2010-02-01)	
Fasteners Part 7: External drive hexagon bolts and screws Section 8: Hexa width across flats (short thread length) - Product grade C - Property classe	gon bolts for high-strength structural bolting with large s 8.8 and 10.9
Ed 1.00 A5 9p EN Loose-leaf	Gr 6
PDF 9p EN	21.060.10
Gives specifications for large series hexagon, high-strength structural bolts with sizes from M12 up to and including M36, with short thread lengths.	metric dimensions in property classes 8.8 and 10.9, and thread
SANS 1700-7-9:2003 / ISO 8676:1999 (2010-03-19) (SABS 1700-7-9)	
Fasteners Part 7: External drive hexagon bolts and screws Section 9: Hexa grades A and B	gon head screws with metric fine pitch thread - Product
Ed 2.00 A4 16p EN Loose-leaf PDF 16p EN	Gr 8 21 060 10
Specifies the characteristics of hexagon head screws with metric fine pitch threat grade A for nominal thread diameters d from 8 mm to 24 mm and nominal length of product grade B for nominal thread diameters d over 24 mm or nominal length	d with nominal thread diameters d from 8 mm to 64 mm of product is, I, up to and including 10d of 150 mm, whichever is shorter, and s, I, over 10d or 150 mm, whichever is shorter.
SANS 1700-7-10:2003 / ISO 8765:1999 (2010-03-19) (SABS 1700-7-10)	
Fasteners Part 7: External drive hexagon bolts and screws Section 10 : Hey grades A and B	agon head bolts with metric fine pitch thread - Product
Ed 2.00 A5 17p EN Loose-leaf PDF 17p EN	Gr 8 21.060.10
Gives specifications for hexagon head bolts with metric fine pitch thread with nor for nominal thread diameters d from 8 mm to 24 mm and nominal lengths, I, up t product grade B for nominal thread diameters d over 24 mm or nominal lengths of	ninal thread diameters d from 8 mm to 64 mm of product grade A o and including 10 d or 150 mm, whichever is shorter, and of over 10 d

	A5 11p EN Loose-leat PDE 11p EN	Gr 7
Specifier	s the characteristics of hexagon bolts with flange, small se	21.000.10
property	classes 8.8, 9.8, 10.9, and A2-70.	nes, with product grade A, with threads norm wis up to and including who and
SANS 17	700-7-12:2003 / ISO 15072:1999 (2010-02-01)	stien 10. Have son beite with flower with metric fine witch thread. Coroll
Fastene series -	Product grade A	ction 12: Hexagon boits with hange with metric line pitch thread - Small
Ed 1.00	A5 13p EN Loose-leaf	Gr 7
	PDF 13p EN	21.060.10
Specifies diameter	s the characteristics of hexagon bolts with flange with met rs 8 mm up to and including 16 mm and property classes	ic fine pitch thread, small series, with product grade A, with nominal thread 3.8, 9.8, 10.9, 12.9 and A2-70.
SANS 17 (SABS 1	700-8-2:1996 / ISO 8678:1988 (2009-12-11) 700-8-2)	
Fastene	ers Part 8: Square neck bolts Section 2: Cup head squa	are neck bolts with small head and short neck - Product grade B
Ed 1.00	A5 8p EN Loose-leaf	Gr 6
		21.060.10
Specifies including Am 1(Na	s the characteristics of cup-head square-neck bolts with signed of product grade B. g M20, of product grade B. ational), 2004-11-25	nall head, short neck, metric dimensions and threads from M6 up to and
SANS 17	700-9-1:2008 / ISO 4762:2004	
(SABS 1	/00-9-1) hrs Part 9: Hexagon socket head screws Section 1: He	ragon socket head can screws
Ed 2.00	A4 16p EN	Gr 8
	PDF 16p EN	21.060.10
Specifies	s the characteristics of hexagon socket head cap screws v	vith threads from M1,6 up to and including M64 and product grade A.
(SABS 1 Fastene Ed 1.00	Provide Fore Fore Fore Fore Fore Fore Fore For	tagon socket head shoulder screws Gr 6 21.060.10
Lays dov mm inclu Am 1(Na	wn the specification for hexagon socket head shoulder scr usive. ational), 2008-05-23	ews with metric dimensions and nominal shoulder diameters from 6,5 mm to 25
SANS 17	700-9-3:2008 / ISO 7380:2004	
(SABS 1	1700-9-3)	
Fastene	ers Part 9: Hexagon socket head screws Section 3: He	agon socket button head screws
LU 2.00	PDF 9p EN	21.060.10
Specifies	s the characteristics of hexagon socket button head screw	s with threads from M3 up to and including M16, with product grade A.
SANS 17 (SABS 1	700-9-4:2008 / ISO 10642:2004 (700-9-4)	
Fastene	ers Part 9: Hexagon socket head screws Section 4: Hex	agon socket countersunk head screws
Ed 2.00	A4 12p EN	Gr 7
	PDF 12p EN	21.060.10
Specifies property	s the characteristics of hexagon socket countersunk head classes 8.8, 10.9 and 12.9.	screws with threads from M3 up to and including M20, with product grade A and
	700-9-5:2008 / ISO 10664:2005	
SANS 17	ers many a mexagon socket nead screws Section 5: He	alobular internal driving leature for bolts and screws
SANS 17 Fastene		
SANS 17 Fastene Ed 2.00	A4 12p EN PDF 12p EN	Gr 7 21.060.10

Fasteners Part 7: External drive hexagon bolts and screws Section 11: Hexagon bolts with flange - Small series - Product grade A

SANS 1700-7-11:2003 / ISO 15071:1999 (2010-02-01)

SANS 1700-10-1:1996 / ISO 1207:1992 (2009-12-11) (SABS 1700-10-1)	
Fasteners Part 10: Slotted head screws Section 1: Slotted cheese he	ead screws - Product grade A
Ed 1.00 A5 7p EN Loose-leaf	Gr 6
PDF 7p EN	21.060.10
Specifies the characteristics of slotted cheese head screws of product gra Am 1(National), 2004-09-23	ade A and with threads from M1,6 to M10 inclusive.
SANS 1700-10-2:1996 / ISO 1580:1994 (2009-12-11) (SABS 1700-10-2)	
Fasteners Part 10: Slotted head screws Section 2: Slotted pan head	screws - Product grade A
Ed 1.00 A5 8p EN Loose-leaf	Gr 6
PDF 8p EN	21.060.10
Specifies the characteristics of slotted pan head screws of product grade Am 1(National), 2004-12-10	A and with threads from M1,6 to M10 inclusive.
SANS 1700-10-3:1996 / ISO 2009:1994 (2009-12-11) (SABS 1700-10-3)	
Fasteners Part 10: Slotted head screws - Section 3: Slotted counters	sunk flat head screws (common head style) - Product grade A
Ed 1.00 A5 6p EN Loose-leaf	Gr 4
PDF 6p EN	21.060.10
Specifies the characteristics of slotted countersunk flat head screws of pr Am 1(National), 2004-09-23	oduct grade A and with threads from M1,6 to M10 inclusive.
SANS 1700-10-4:1996 / ISO 2010:1994 (2009-12-11) (SABS 1700-10-4)	
Fasteners Part 10: Slotted head screws Section 4: Countersunk slot	ted raised head screws (common head style) - Product grade A
Ed 1.00 A5 8p EN Loose-leaf	Gr 6
PDF 8p EN	21.060.10
Specifies the characteristics of countersunk slotted raised head screws o Am 1(National), 2004-09-23	f product grade A and with threads from M1,6 to M10 inclusive.
SANS 1700-11-1:1996 / ISO 7045:1994 (2009-12-11) (SABS 1700-11-1)	
Fasteners Part 11: Cross recessed countersunk flat head screws (cc type H or type Z cross recess - Product grade A	mmon head style) - Grade A Section 1: Pan head screws with
Ed 1.00 A5 8p EN Loose-leaf	Gr 6
PDF 8p EN	21.060.10
Specifies the characteristics of pan head screws of product grade A, with recess.	threads from M1,6 to M10 inclusive, and with type H or type Z cross
Am 1(National), 2004-09-23	
SANS 1700-11-2:1996 / ISO 7046-1:1994 (2009-12-11) (SABS 1700-11-2)	
Fasteners Part 11: Countersunk flat head screws (common head sty 2: Steel of property class 4.8	le) with type H or type Z cross recess - Product grade A Section
Ed 1.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6 21.060.10
Specifies the characteristics of countersunk flat head screws with threads and with type H or type Z cross recess.	s from M1,6 to M10 inclusive, of product grade A and property class 4.8
Am 1(National), 2004-11-25	
SANS 1700-11-3:1996 / ISO 7046-2:1990 (2009-12-11) (SABS 1700-11-3)	
Fasteners Part 11: Cross recessed countersunk flat head screws (co 8.8, stainless steel and non-ferrous metals	ommon head style) - Grade A Section 3: Steel of property class
Ed 1.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6 21.060.10
Specifies the characteristics of recessed countersunk flat head screws with 8.8 for steel, A2-70 for stainless steel and CU2 and CU3 for non-ferrous r Am 1(National), 2004-11-25	th threads M2 up to and including M10, of grade A and of property class netals.

NUMERICAL	LIST	OF ST	FAND	ARDS
		••••		

SANS 1700-11-4:1996 / ISO 7047:1994 (2009-12-11) (SABS 1700-11-4) Fasteners Part 11: Cross recessed head screws Section 4: Countersunk rais	ed head screws (common head style) with type H or type
Z cross recess - Product grade A	
Ed 1.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6 21.060.10
Specifies the characteristics of countersunk raised head screws of product grade type Z cross recess. Am 1(National), 2004-09-23	A, with threads from M1,6 to M10 inclusive and with type H or
SANS 1700-11-5:2003 / ISO 7048:1998 (2010-02-01)	
Fasteners Part 11: Cross recessed head screws Section 5: Cross recessed of	heese head screws
Ed 1.00 A4 7p EN Loose-leaf	Gr 6
PDF /p EN	21.060.10
Specifies the characteristics of cross recessed cheese head screws in product gra recesses type H and Z.	ade A, with thread from M2,5 to M8 inclusive and with cross
SANS 1700-12-1:2004 / ISO 2342:2003 (2009-12-11) (SABS 1700-12-1)	
Fasteners Part 12: Set screws Section 1: Slotted headless screws with shan	k
Ed 2.00 A5 9p EN Loose-leaf	Gr 6
PDF 9p EN	21.060.10
Specifies the dimensions of slotted headless screws with shank with threads from	M1 up to and including M10.
SANS 1700-12-2:2004 / ISO 4026:2003 (2009-12-11) (SABS 1700-12-2)	
Fasteners Part 12: Set screws Section 2: Hexagon socket set screws with fla	at point
Ed 2.00 A5 9p EN Loose-leaf PDF 9p EN	Gr 6 21.060.10
Specifies the characteristics of hexagon socket set screws with flat point and three	ads from M1,6 up to and including M24 and of product grade A.
SANS 1700-12-3:2009 / ISO 4027:2003 (SABS 1700-12-3)	
Fasteners Part 12: Set screws Section 3: Hexagon socket set screws with co	one point
Ed 2.00 A4 9p EN	Gr 6
PDF 9p EN	21.060.10
Specifies the characteristics of hexagon socket set screws with cone point and the	eads from M1,6 up to and including M24 and of product grade A.
SANS 1700-12-4:2004 / ISO 4028:2003 (2009-12-11) (SABS 1700-12-4)	
Fasteners Part 12: Set screws Section 4: Hexagon socket set screws with do	og point
Ed 2.00 A4 8p EN Loose-leaf	Gr 6
	21.060.10
Specifies the characteristics of hexagon socket set screws with dog point and three	ads from M1,6 up to and including M24 and of product grade A.
SANS 1700-12-5:2004 / ISO 4029:2003 (2009-12-11) (SABS 1700-12-5)	
Fasteners Part 12: Set screws Section 5: Hexagon socket set screws with cu	ıp point
Ed 2.00 A5 9p EN Loose-leaf	Gr 6
	21.060.10
Specifies the characteristics of hexagon socket set screws with cup point and thre	ads from M1,6 up to and including M24 and of product grade A.
SANS 1700-12-6:1996 / ISO 4766:1983 (2011-04-08) (SABS 1700-12-6)	
Fasteners Part 12: Set screws Section 6: Slotted set screws with flat point	
Ed 1.00 A5 6p EN Loose-leaf PDF 6p EN	Gr 5
Specifica the characteristics of eletted act acrows with flat point and thread sizes i	21.000.10
Am 1(National), 2005-01-14	To the trace A. The trace and product grade A.

SANS 1700-12-7:1996 / ISO 7434:1983 (2011-04-14)	
(SABS 1700-12-7)	
Fasteners Part 12: Set screws Section 7: Slotted set screws with cone point	Cr 5
PDF 6p EN	21.060.10
Specifies the characteristics of slotted set screws with cone point and thread sizes Am 1(National), 2005-01-14	s from M 1,2 to M 12 inclusive and product grade A.
SANS 1700-12-8:1996 / ISO 7435:1983 (2011-04-08)	
(SABS 1700-12-8)	
Fasteners Part 12: Set screws Section 8: Slotted set screws with long dog po	oint
PDF 6p EN	Gr 5 21.060.10
Specifies the characteristics of slotted set screws with long dog point and thread s Am 1(National), 2005-01-14	izes from M 1,6 to M 12 inclusive and product grade A.
SANS 1700-12-9:1996 / ISO 7436:1983 (2011-04-14)	
(SABS 1700-12-9)	
Fasteners Part 12: Set screws Section 9: Slotted set screws with cup point	
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
PDF 6p EN	21.060.10
Specifies the characteristics of slotted set screws with cup point and thread sizes Am 1(National), 2005-01-14	from M 1,6 to M 12 inclusive and product grade A.
SANS 1700-13-1:1996 / ISO 1479:1983 (2011-04-14)	
(SABS 1700-13-1)	
Fasteners Part 13: Tapping screws Section 1: Hexagon head tapping screws	
PDF 6p EN	Gr 5 21 060 10
Specifies the characteristics of hexagon head tapping screws with thread sizes fro Am 1(National), 2005-01-14	m ST 2,2 to ST 9,5 inclusive.
SANS 1700-13-2:1996 / ISO 1481:1983 (2011-04-14) (SARS 1700-13-2)	
Fasteners Part 13: Tapping screws Section 2: Slotted pan head tapping scre	ws
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
PDF ⁶ 6p EN	21.060.10
Specifies the characteristics of slotted pan head tapping screws with thread sizes Am 1(National), 2005-01-14	from ST 2,2 to ST 9,5 inclusive.
SANS 1700-13-3:1996 / ISO 1482:1983 (2011-06-03)	
Fasteners Part 13: Tapping screws Section 3: Slotted countersunk (flat) head	d tapping screws (common head style)
Ed 1.00 A5 7p EN Loose-leaf	Gr 6
PDF ⁷ p EN	21.060.10
Specifies the characteristics of slotted countersunk (flat) head tapping screws with Am 1(National), 2005-01-14	thread sizes from ST 2,2 to ST 9,5 inclusive.
SANS 1700-13-4:1996 / ISO 1483:1983 (2011-04-14) (SABS 1700-13-4)	
Fasteners Part 13: Tapping screws Section 4: Slotted raised countersunk (or	val) head tapping screws (common head style)
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
PDF 6p EN	21.060.10
Specifies the characteristics of slotted raised countersunk (oval) head tapping screet Am 1(National), 2005-01-14	ews with thread sizes from ST 2,2 to ST 9,5 inclusive.
SANS 1700-13-5:1996 / ISO 7049:1983 (2011-04-14) (SABS 1700-13-5)	
Fasteners Part 13: Tapping screws Section 5: Cross recessed pan head tapp	ing screws
Ed 1.00 A5 7p EN Loose-leaf	Gr 6
PDF 7p EN	21.060.10
Specifies the characteristics of cross recessed pan head tapping screws with three Am 1(National), 2005-02-04	ad sizes from ST 2,2 to ST 9,5 inclusive.

SANS 1700-13-6:1996 / ISO 7050:1983 (2009-12-11)	
(SABS 1700-13-6)	
Fasteners Part 13: Tapping screws Section 6: Cross recessed countersunk (flat) head tapping screws (common head style)
Ed 1.00 A5 /p EN Loose-leaf PDF 7p EN	Gr 6
Specifies the characteristics of cross recessed countersunk (flat) head tapping scr	ews with thread sizes from ST 2,2 to ST 9,5 inclusive.
Am 1(National), 2004-08-27	
SANS 1700-13-7:1996 / ISO 7051:1983 (2011-04-14) (SABS 1700-13-7)	
Fasteners Part 13: Tapping screws Section 7: Cross recessed raised counter	rsunk (oval) head tapping screws
Ed 1.00 A5 7p EN Loose-leaf	Gr 6
PDF /p EN	21.060.10
Specifies the characteristics of cross recessed raised countersunk (oval) head tap Am 1(National), 2005-01-14	ping screws with thread sizes from ST 2,2 to ST 9,5 inclusive.
SANS 1700-13-8:2003 / ISO 10510:1999 (2010-02-01)	
Fasteners Part 13: Tapping screws Section 8: Tapping screw and washer as	semblies with plain washers
Ed 1.00 A4 6p EN Loose-leaf	Gr 5
РЫР бр ЕМ	21.060.10
Specifies the requirements for tapping screw and plain washer assemblies with sp and mechanical properties in accordance with ISO 2702. The plain washers are ca	aced threads from ST2,2 to ST9,5 inclusive, flat seating heads aptive, i.e. prevented from disassembly and free to rotate.
SANS 1700-13-9:2003 / ISO 15480:1999 (2010-02-01)	
Fasteners Part 13: Tapping screws Section 9: Hexagon washer head drilling	screws with tapping screw thread
Ed 1.00 A4 7p EN Loose-leaf	Gr 9
	21.060.10
Specifies the characteristics of hexagon washer head drilling screws with tapping	screw threads from \$12,9 up to and including \$16,3.
SANS 1700-13-10:2003 / ISO 15481:1999 (2010-02-01) Fasteners Part 13: Tapping screws Section 10: Cross recessed pan head dril	ling screws with tapping screw thread
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
PDF 6p EN	21.060.10
Specifies the characteristics of cross recessed pan head drilling screws with tapping	ng screw threads from ST2,9 up to and including ST6,3.
SANS 1700-13-11:2003 / ISO 15482:1999 (2010-02-01)	
Fasteners Part 13: Tapping screws Section 11: Cross recessed countersunk	head drilling screws with tapping screw thread
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
	21.060.10
Specifies the characteristics of cross recessed countersunk head drilling screws w	in tapping screw threads from \$12,9 up to and including \$16,3.
Easteners Part 13: Tapping screws Section 12: Cross recessed raised country	ersunk head drilling screws with tapping screw thread
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
PDF 6p EN	21.060.10
Specifies the characteristics of cross recessed raised countersunk head drilling sc ST6,3.	rews with tapping screw threads from ST2,9 up to and including
SANS 1700-14-1:2003 / ISO 4032:1999 (2010-03-19)	
Easteners Part 14: Hexagon nuts Section 1: Hexagon nuts, style 1 - Product (grades A and B
Ed 2.00 A4 11p EN Loose-leaf	Gr 7
PDF 11p EN	21.060.20
Gives specifications for hexagon nuts, style 1, with threads from M1,6 up to and in product grade B for threads $d > M16$.	cluding M64, with product grade A for theads d -< M16 and
SANS 1700-14-2:2003 / ISO 4033:1999 (2010-03-19) (SABS 1700-14-2)	
Fasteners Part 14: Hexagon nuts Section 2: Hexagon nuts, style 2 - Product (grades A and B
Ed 2.00 A4 10p EN Loose-leaf	Gr 6
PDF 10p EN	21.060.20
Specifies characteristics for hexagon nuts, style 2, with threads from M5 up to and equal to M16 and product grade B for threads $d > M16$.	including M36, with product grade A for threads d less than and

SANS 1700-14-3:2003 / ISO 4034:1999 (2010-03-19) (SABS 1700-14-3) Fasteners Part 14: Hexagon nuts Section 3: Hexagon nuts - Product grade C	
Ed 2.00 A5 10p EN Loose-leaf	Gr 6
PDF 10p EN	21.060.20
Specifies the characteristics of hexagon nuts with threads from M5 up to and include	ding M64 and product grade C.
SANS 1700-14-4:2003 / ISO 4035:1999 (2010-03-19) (SABS 1700-14-4)	
Fasteners Part 14: Hexagon nuts Section 4: Hexagon thin nuts (chamfered) -	Product grades A and B
Ed 2.00 A5 11p EN Loose-leaf	Gr 7
	21.060.20
< M16 and product grade B for threads d > M16.	1,6 up to and including M64, with product grade A for threads d -
SANS 1700-14-5:2003 / ISO 4036:1999 (2010-03-19) (SABS 1700-14-5)	
Fasteners Part 14: Hexagon nuts Section 5: Hexagon thin nuts (unchamfered) - Product grade B
Ed 2.00 A4 10p EN Loose-leaf	Gr 6
Specifies the observatoristics of unchamfored beyogen thin puts, with threads from	21.000.20 M1.6 up to and including M10 and product grade R
specifies the characteristics of uncharmered nexagon thin huts, with threads non-	wit, o up to and including with and product grade b.
SANS 1700-14-6:2003 / ISO 4161:1999 (2010-02-01)	
Fasteners Part 14: Hexagon nuts Section 6: Hexagon nuts with flange - Coars	se thread
PDF 8p EN	21 060 20
Specifies the characteristics of hexagon nuts with flange, with metric coarse thread and including M16 and product grade B for threads above M16.	ds from M5 to M20 inclusive, of product grade A for threads up to
SANS 1700-14-8:2003 / ISO 4775:1984 Fasteners Part 14: Hexagon nuts Section 8: Hexagon nuts for high-strength s grade B - Property classes 8 and 10 Ed 1.00 A4 8p EN Loose-leaf	structural bolting with large width across flats - Product
PDF 8p EN	21.060.20
Gives specifications for large series hexagon, high-strength structural nuts with me from M12 up to and including M36 for use with high-strength structural bolts of prop	tric dimensions in property classes 8 and 10 and thread sizes perty classes 8.8 and 10.9.
SANS 1700-14-9:1996 / ISO 7413:1984 (2005-04-02) (SABS 1700-14-9)	
Fasteners Part 14: Hexagon nuts Section 9: Hexagon nuts for structural bolti Product grades A and B - Property classes 5, 6 and 8	ng, style 1, hot-dip galvanized (oversize tapped) -
Ed 1.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6 21.060.20
Gives specifications for hexagon nuts, style 1, with metric dimensions in property c 1461 and tapped oversize to tolerance class 6AX. Covers thread sizes from M10 u including M16, and product grade B for sizes over M16. Am 1(National), 2005-02-04	classes 5,6 and 8, hot-dip galvanized in accordance with ISO up to and including M36, product grade A for sizes up to and
SANS 1700-14-10:2003 / ISO 7414:1984	
Fasteners Part 14: Hexagon nuts Section 10: Hexagon nuts for structural bolt B - Property class 10	ting with large width across flats, style 1 - Product grade
Ed 1.00 A4 8p EN Loose-leaf PDF 8p EN	Gr 6 21.060.20
Gives specifications for large series hexagon nuts, style 1, property class 10, with including M36, for use with bolts of property class 10.9.	metric dimensions and thread sizes from M12 up to and
SANS 1700-14-11:2003 / ISO 7417:1984 Fasteners Part 14: Hexagon nuts Section 11: Hexagon nuts for structural bolt Product grade A - Property class 9	ting, Style 2, hot-dip galvanized (oversize tapped) -
Ed 1.00 A4 6p EN Loose-leaf	Gr 5
PDF 6p EN	21.060.20
Gives specifications for hexagon nuts, style 2, with metric dimensions, property cla in South Africa as an identical adoption under the designation SANS 121) and tapp nuts in thread diameters from M10 up to and including M16.	uss 9 hot-dip galvanized in accordance with ISO 1461 (published bed oversize to tolerances class 6AX. Covers product grade A

Standards South Africa Catalogue 2013

Fasteners Part 14: Hexagon nuts Section 12: Hexagon nuts, style 1, with metric fine pitch thread - Product grades A and B

SANS 1700-14-12:2003 / ISO 8673:1999 (2010-03-19) (SABS 1700-14-12)

Ed 2.00 A4 10p EN Loose-leaf	Gr 6
PDF 10p EN	21.060.20
Specifies the characteristics of hexagon nuts, style 1, with metric fine pit 64 mm, with product grade A for sizes d up to and including 16 mm and	ch thread, with nominal thread diameters d from 8 mm up to and including product grade B for sizes d over 16 mm.
SANS 1700-14-13:2003 / ISO 8674:1999 (2010-03-19) (SABS 1700-14-13)	
Fasteners Part 14: Hexagon nuts Section 13: Hexagon nuts, style 2,	, with metric fine pitch thread - Product grades A and B
Ed 2.00 A4 10p EN Loose-leaf	Gr 6
PDF 10p EN	21.060.20
Specifies the characteristics for hexagon nuts, style 2, with metric fine pi 36 mm, with product grade A for sizes d up to and including 16 mm and	itch thread, with nominal thread diameters d from 8 mm up to and including product grade B for sizes d over 16 mm.
SANS 1700-14-14:2003 / ISO 8675:1999 (2010-03-19) (SABS 1700-14-14)	
Fasteners Part 14: Hexagon nuts Section 14: Hexagon thin nuts (ch	amfered) with metric fine pitch thread - Product grades A and B
Ed 2.00 A4 10p EN Loose-leaf	Gr 6
PDF 10p EN	21.060.20
Specifies the characteristics of hexagon thin nuts (chamfered), with meta including 64 mm, with product grade A for sizes d up to and including 16	ric fine pitch thread, with nominal thread diameters d from 8 mm up to and 8 mm and product grade B for sizes d over 16 mm.
SANS 1700-14-15:2003 / ISO 10663:1999 (2010-02-01)	
Fasteners Part 14: Hexagon nuts Section 15: Hexagon nuts with fla	nge - Fine pitch thread
Ed 1.00 A4 8p EN Loose-leaf	Gr 6
PDF 8p EN	21.060.20
Specifies the characteristics of hexagon nuts with flange and metric fine product grade A for d -< 16 mm and product grade B for d > 16 mm.	pitch thread, with nominal thread diameters d from 8 mm to 20 mm, in
SANS 1700-15-1:1998 / ISO 7040:1997 (2009-12-11) (SABS 1700-15-1)	
Fasteners Part 15: Prevailing torque type nuts Section 1: Prevailing Property classes 5, 8 and 10	torque type hexagon nuts (with non-metallic insert), style 1 -
Ed 1.00 A5 8p EN Loose-leaf	Gr 6
PDF 8p EN	21.060.20
Specifies the characteristics of prevailing torque type hexagon nuts (with M36, in product grade A for threads up to and including M16 and produc Am 1(National), 2004-12-10	n non-metallic insert), style 1, with threads from M3 up to and including t grade B for threads above M16, and with property classes 5, 8 and 10.
SANS 1700-15-2:2007 / ISO 7041:2002 (SABS 1700-15-2)	
Fasteners Part 15: Prevailing torque type nuts Section 2: Prevailing Property classes 9 and 12	torque type hexagon nuts (with non-metallic insert), style 2 -
Ed 2.00 A4 9p EN	Gr 6
PDF 9p EN	21.060.20
Specifies the characteristics for prevailing torque type hexagon nuts (wit including M36, in product grade A for threads up to and including M16 at 12.	h non-metallic annular insert), style 2, with threads from M5 up to and nd product grade B for threads above M16, and with property classes 9 and
SANS 1700-15-3:1998 / ISO 7042:1997 (2009-12-11) (SABS 1700-15-3)	
Fasteners Part 15: Prevailing torque type nuts Section 3: Prevailing 10 and 12	torque type all-metal hexagon nuts, style 2 - Property classes 5, 8,
Ed 1.00 A5 8p EN Loose-leaf	Gr 6
PDF 8p EN	21.060.20

Specifies the characteristics of prevailing torque type all-metal hexagon nuts, style 2, with threads from M5 up to and including M36, in product grade A for threads up to and including M16 and product grade B for threads above M16, and with property classes 5, 8, 10 and 12. **Am 1(National), 2004-11-25**

Specifies the characteristics of prevailing torque type hexagon thin nuts (with non-metallic insert) with thread from M3 up to and including M36, in product grade A for threads up to and including M16 and product grade B for threads above M16, and with property classes 04 and 05. Am 1(National), 2004-11-25

SANS 1700-15-9:1998 / ISO 10512:1997 (2009-11-27)

Fasteners Part 15: Prevailing torque type nuts Section 9: Prevailing torque type hexagon nuts (with non-metallic insert), style 1, with metric fine pitch thread - Property classes 6, 8 and 10

Gr 6 PDF 9p EN 21.060.20

Specifies the characteristics of prevailing torque type hexagon nuts (with non-metallic insert), style 1, with metric fine pitch thread with nominal thread diameters d from 8 mm up to and including 36 mm, in product grade A for sizes d up to and including 16 mm and product grade B for sizes d above 16 mm, and with property classes 6, 8 and 10.

Am 1(National), 2004-11-25

NUMERICAL LIST OF STANDARDS

Fasteners Part 15: Prevailing torque type nuts Section 4: Prevailing torque type hexagon nuts with flange (with non-metallic insert) -

Gr 6 PDF 8p EN 21.060.20 Gr 6 PDF⁸p EN 21.060.20 Fasteners Part 15: Prevailing torque type nuts Section 8: Prevailing torque type hexagon thin nuts (with non-metallic insert) Gr 6 PDF 7p EN 21.060.20 (SABS 1700-15-9)

(SABS 1700-15-5) Fasteners Part 15: Prevailing torque type nuts Section 5: Prevailing torque type all-metal hexagon nuts with flange - Product grades A and B

Specifies the characteristics of prevailing torque type hexagon nuts with flange (with non-metallic insert) with threads from M5 to M20 inclusive, in product grade A for threads up to and including M16 and product grade B for threads above M16, and with property classes 8, 9 and 10.

Ed 1.00 A5 9p EN Loose-leaf PDF 9p EN

Am 1(National), 2004-11-25

Specifies the characteristics of prevailing torque type all-metal hexagon nuts with flange and threads from M5 to M20 inclusive, in product grade A for threads up to and including M16 and product grade B for threads above M16, and with property classes 8, 9, 10 and 12. Am 1(National), 2004-11-25

SANS 1700-15-6:1998 / ISO 7719:1997 (2009-12-11)

SANS 1700-15-4:1998 / ISO 7043:1997 (2009-12-11)

SANS 1700-15-5:1998 / ISO 7044:1997 (2009-12-11)

(SABS 1700-15-6)

(SABS 1700-15-4)

Product grades A and B Ed 1.00 A5 10p EN Loose-leaf

PDF 10p EN

Fasteners Part 15: Prevailing torque type nuts Section 6: Prevailing torque type all-metal hexagon nuts, style 1 - Property classes 5, 8 and 10

Ed 1.00 A5 8p EN Loose-leaf

Specifies the characteristics of prevailing torque type all-metal hexagon nuts, of style 1, with threads from M5 up to and including M36, in product grade A for threads up to and including M16 and product grade B for threads above M16, and with property classes 5, 8 and 10. Am 1(National), 2004-11-25

SANS 1700-15-7:1998 / ISO 7720:1997 (2009-12-11)

(SABS 1700-15-7) Fasteners Part 15: Prevailing torque type nuts Section 7: Prevailing torque type all-metal hexagon nuts, style 2 - Property class 9 Ed 1.00 A5 8p EN Loose-leaf

Specifies the characteristics of prevailing torque type all-metal hexagon nuts, of style 2, with threads from M5 up to and including M36, in product grade A for threads up to and including M16 and product grade B for threads above M16, and with property class 9. Am 1(National), 2004-11-25

SANS 1700-15-8:1998 / ISO 10511:1997 (2009-11-27)

(SABS 1700-15-8)

Ed 1.00 A5 7p EN Loose-leaf

Ed 1.00 A5 9p EN Loose-leaf

Gr 6

21.060.20

Gr 6

21.060.20

SANS 1700-15-10:1998 / ISO 10513:1997 (2009-11-27) (SABS 1700-15-10) Fasteners Part 15: Prevailing torque type nuts Section 10: Prevailing torque type all-metal hexagon nuts, style 2, with metric fine pitch thread - Property classes 8, 10 and 12 Ed 1.00 A5 7p EN Loose-leaf Gr 6 PDF 7p EN 21.060.20 Specifies the characteristics of prevailing torque type all-metal hexagon nuts, of style 2, with metric fine pitch thread, with nominal thread diameters d from 8 mm up to and including 36 mm, in product grade A for sizes d up to and including 16 mm and product grade B for sizes d above 16 mm, and with property classes 8, 10 and 12. Am 1(National), 2004-11-25 SANS 1700-15-11:1998 / ISO 12125:1997 (2009-11-27) (SABS 1700-15-11) Fasteners Part 15: Prevailing torque type nuts Section 11: Prevailing torque type hexagon nuts with flange (with non-metallic insert) with metric fine pitch thread - Product grades A and B Ed 1.00 A5 6p EN Loose-leaf Gr 5 PDF 6p EN 21.060.20 Specifies the characteristics of prevailing torque type hexagon nuts with flange (with non-metallic insert) with metric fine pitch thread with nominal diameters d from 8 mm up to and including 20 mm, in product grade A for sizes d <= 16 mm and product grade B for sizes d > 16 mm, and with property classes 6, 8 and 10. Am 1(National), 2004-11-25 SANS 1700-15-12:1998 / ISO 12126:1997 (2009-11-27) (SABS 1700-15-12) Fasteners Part 15: Prevailing torque type nuts Section 12: Prevailing torque type all-metal hexagon nuts with flange with metric fine pitch thread - Product grades A and B Ed 1.00 A5 8p EN Loose-leaf Gr 6 PDF 8p EN 21 060 20 Specifies the characteristics of prevailing torque type all metal hexagon nuts with flange and metric fine pitch thread with nominal thread diameters d from 8 mm up to and including 20 mm, in product grade A for sizes d <= 16 mm and product grade B for sizes d > 16 mm, and with property classes 6, 8 and 10. Am 1(National), 2004-11-25 SANS 1700-16-1:2003 / ISO 887:2000 (2008-03-14) Fasteners Part 16: Washers Section 1: Plain washers for metric bolts, screws and nuts for general purposes - General plan Ed 1.00 A5 11p EN Loose-leaf Gr 7 PDF 11p EN 21.060.30 Specifies the full range of the nominal dimensions of product-grade-A and -C plain washers for general-purpose bolts, screws and nuts of nominal thread diameters ranging from 1 mm to 150 mm inclusive. Cor 1(International), 2008-03-14 SANS 1700-16-2:2003 / ISO 7089:2000 (2010-02-12) Fasteners Part 16: Washers Section 2: Plain washers - Normal series - Product grade A Ed 1.00 A5 10p EN Loose-leaf Gr 6 PDF 10p EN 21.060.30 Specifies the characteristics of normal-series, product-grade-A plain washers in the 200 HV and 300 HV hardness classes and of nominal sizes (nominal thread diameters) ranging from 1,6 mm to 64 mm inclusive. SANS 1700-16-3:2003 / ISO 7090:2000 (2010-02-12) Fasteners Part 16: Washers Section 3: Plain washers, chamfered - Normal series - Product grade A Ed 1.00 A5 10p EN Loose-leaf Gr 6 PDF 10p EN 21.060.30 Specifies the characteristics of normal-series, product-grade-A plain washers chamfered at the outside diameter, in the 200 HV and 300 HV hardness classes and of nominal sizes (nominal thread diameters) ranging from 5 mm to 64 mm inclusive. SANS 1700-16-4:2003 / ISO 7091:2000 (2010-02-12) Fasteners Part 16: Washers Section 4: Plain washers - Normal series - Product grade C Ed 1.00 A5 9p EN Loose-leaf Gr 6 PDF 9p EN 21.060.30 Specifies the characteristics of normal-series, product-grade-C plain washers in the 100 HV hardness class and of nominal sizes (nominal thread diameters) ranging from 1,6 mm to 64 mm inclusive. SANS 1700-16-5:2003 / ISO 7092:2000 (2010-02-12) Fasteners Part 16: Washers Section 5: Plain washers - Small series - Product grade A Ed 1.00 A5 10p EN Loose-leaf Gr 6 PDF 10p EN 21.060.30 Specifies the characteristics of small-series, product-grade-A plain washers in the 200 HV and 300 HV hardness classes and of nomimal sizes (nominal thread diameters) ranging from 1,6 mm to 36 mm inclusive.

NUMERICAL LIST OF STANDARDS

Standards South Africa Catalogue 2013

SANS 1700-16-6:2003 / ISO 7093-1:2000 (2010-03-19) (SABS 1700-16-6)	
Fasteners Part 16: Washers Section 6: Plain washers - Large series - Produc	st grade A
Ed 2.00 A4 10p EN Loose-leaf	Gr 6
PDF 10p EN	21.060.30
Specifies the characteristics of large-series, product-grade-A plain washers in the 3 mm to 36 mm inclusive. The washers are intended for use in cases where soft r clearance holes in the workpiece.	200 HV and 300 HV hardness classes and of nominal sizes from naterial pieces are to be clamped or where there are large
SANS 1700-16-7:2003 / ISO 7094:2000 (2010-03-19) (SABS 1700-16-7)	
Fasteners Part 16: Washers Section 7: Plain washers - Extra large series - P	roduct grade C
Ed 2.00 A5 8p EN Loose-leaf	Gr 6
Specifies the characteristics of extra-large-series, product-grade-C plain washers mm to 36 mm inclusive. The washers are suitable for hexagon bolts and screws of hexagon nuts of product grade C in property classes up to and including 6 used in Cor 1(International), 2003-07-11	In the 100 HV hardness class, of nominal sizes ranging from 5 f product grade C in property classes up to and including 6.8, and timber structures.
SANS 1700-16-8:2004 / ISO 7415:1984 (2009-11-27)	
Fasteners Part 16: Washers Section 8: Plain washers for high-strength struct	tural bolting, hardened and tempered
Ed 1.00 A5 5p EN Loose-leaf	Gr 5
PDF 5p EN	21.060.30
Specifies hardened and tempered circular washers intended for assembly with lar diameters from M12 to M36 inclusive.	ge series hexagon high-strength structural bolts and nuts of
SANS 1700-16-9:2004 / ISO 7416:1984 (2009-11-27) Fasteners Part 16: Washers Section 9: Plain washers, chamfered, hardened	and tempered for high-strength structural bolting
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
PDF 6p EN	21.060.30
Specifies chamfered, hardened and tempered circular washers intended for asser nuts of diameters from M12 to M36 inclusive.	nbly with large series hexagon high-strength structural bolts and
SANS 1700-16-10:1996 / ISO 8738:1986 (2011-04-08) (SABS 1700-16-10)	
Fasteners Part 16: Washers Section 10: Plain washers for clevis pins - Prod	uct grade A
PDF 6p EN	Gr 5
Specifies the characteristics of plain washers for clavis pins according to SANS 1	21.000.50
Am 1(National), 2005-02-25	100-17-4 and SANS 1700-17-5.
SANS 1700-16-14:2003 / ISO 7093-2:2000 (2010-02-12)	
Fasteners Part 16: Washers Section 14: Plain washers - Large series - Produ	ict grade C
Ed 1.00 A5 9p EN Loose-leat PDF 9p EN	Gr 6
Specifies the characteristics of large-series product-grade-C plain washers in the diameters) ranging from 3 mm to 36 mm inclusive	100 HV hardness class, of nominal sizes (nominal thread
SANS 1700-16-15:2010 / ISO 10644:2009 Fasteners Part 16: Washers Section 15: Screw and washer assemblies made 200 HV and 300 HV	e of steel with plain washers - Washer hardness classes
Ed 2.00 A5 12p EN	Gr 7
PDF 12p EN	21.060.30
Specifies the requirements for metric screw and plain washer assemblies with coaclasses up to and including 10.9 and washer hardness classes 200 HV and 300 H $$	arse thread M2 to M12 inclusive, flat seating heads, property IV.
SANS 1700-16-16:2003 / ISO 10669:1999 (2011-04-14) Fasteners Part 16: Washers Section 16: Plain washers for tapping screw and	d washer assemblies - Normal and large series - Product
grade A	Gr 6
PDF 7p EN	21.060.30
Specifies the characteristics of plain steel washers of product grade A for tapping (published in South Africa as an identical adoption under the designation SANS 1	screw and washer assemblies in accordance with ISO 10510 700-13-8).

SANS 1700-16-17:2010 / ISO 10673:2009 Fasteners Part 16: Washers Section 17: Plain washers for screw	and washer assemblies - Small, normal and large series - Product
grade A	
Ed 2.00 A5 12p EN	Gr 7
Specifies the characteristics of plain steel washers, small, normal and for metric screw and washer assemblies according to ISO 10644 (pub 1700-16-15).	21.060.30 I large series, of product grade A with hardness classes 200 HV and 300 HV blished in South Africa as an identical adoption under the designation SANS
SANS 1700-17-1:1998 / ISO 1234:1997 (2011-04-08) (SABS 1700-17-1)	
Fasteners Part 17: Pins Section 1: Split pins	
Ed 1.00 A5 7p EN Loose-leaf PDF 7p EN	Gr 6 21.060.50
Specifies the characteristics of split pins. Am 1(National), 2005-01-14	
SANS 1700-17-2:1998 / ISO 2338:1997 (2011-04-08) (SABS 1700-17-2)	
Fasteners Part 17: Pins Section 2: Parallel pins, of unhardened s	teel and austenitic stainless steel
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
PDP 0P EN	21.060.50
Specifies the characteristics of parallel pins of unhardened steel and a inclusive.	austenitic stainless steel, with nominal diameters d from 0,6 mm to 50 mm
Am (National), 2003-01-14	
SANS 1700-17-3:1996 / ISO 2339:1986 (2009-11-27) (SABS 1700-17-3)	
Fasteners Part 17: Pins Section 3: Taper pins, unnardened	Cr 5
PDF 6p EN	21.060.50
Specifies the characteristics of unhardened taper pins, with metric dir Am 1(National), 2004-11-25	nensions and nominal diameters, d, from 0,6 mm to 50 mm inclusive.
SANS 1700-17-4:1996 / ISO 2340:1986 (2005-02-25) (SABS 1700-17-4)	
Fasteners Part 17: Pins Section 4: Clevis pins without head	
Ed 1.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6 21.060.50
Specifies the characteristics of clevis pins without head, with metric d Am 1(National), 2005-02-25	imensions and nominal diameters, d, from 3 mm to 100 mm inclusive.
SANS 1700-17-5:1996 / ISO 2341:1986 (2005-02-04) (SABS 1700-17-5)	
Fasteners Part 17: Pins Section 5: Clevis pins with head	
Ed 1.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6
Specifies the characteristics of clevis pins with head, with metric dime	ensions and nominal diameters, d, from 3 mm to 100 mm inclusive.
SANS 1700-17-6:1998 / ISO 8733:1997 (2011-06-03)	
(SABS 1700-17-6)	ad of unbardened staal and sustanitis stainlass staal
Ed 1.00 A5 7p EN Loose-leaf PDF 7p EN	Gr 6 21.060.50
Specifies the characteristics of parallel pins with internal thread of unl 6 mm to 50 mm inclusive. Am 1(National), 2005-02-25	nardened steel and austenitic stainless steel with nominal diameters d1 from
SANS 1700-17-7:1998 / ISO 8734:1997 (2005-03-18) (SABS 1700-17-7)	
Fasteners Part 17: Pins Section 7: Parallel pins, of hardened stee	el and martensitic stainless steel (Dowel pins)
Ed 1.00 A5 8p EN Loose-leaf PDF 8p EN	Gr 6 21.060.50
Specifies the characteristics of parallel pins (dowel pins) of steel, thro diameters, d, from 1 mm to 20 mm inclusive.	ugh hardened or case hardened and martensitic stainless steel with nominal
Am 1(National), 2005-03-18	

Standards South Africa Catalogue 2013

SANS 1700-17-8:1998 / ISO 8735:1997 (2005-02-04) (SABS 1700-17-8) Fasteners Part 17: Pins Section 8: Parallel pins with internal thread, of harde	ened steel and martensitic stainless steel
Ed 1.00 A5 9p EN Loose-leaf PDF 9p EN	Gr 6 21.060.50
Specifies the characteristics of parallel pins with internal thread of steel, through h nominal diameters d1 from 6 mm to 50 mm inclusive. Am 1(National), 2005-02-04	ardened or case hardened and martensitic stainless steel, with
SANS 1700-17-9:1996 / ISO 8736:1986 (2011-04-08) (SABS 1700-17-9)	
Fasteners Part 17: Pins Section 9: Taper pins with internal thread, unhardene Ed 1.00 A5 6p EN Loose-leaf PDF 6p EN	ed Gr 5 21.060.50
Specifies the characteristics of unhardened taper pins with internal thread, and me mm inclusive. Am 1(National), 2005-02-04	etric dimensions and nominal diameters, d1, from 6 mm to 50
SANS 1700-17-10:1996 / ISO 8737:1986 (2011-04-08) (SABS 1700-17-10)	
Ed 1.00 A5 6p EN Loose-leaf PDF 6p EN	ned Gr 5 21.060.50
Specifies the characteristics of unhardened taper pins with external thread, and mm inclusive. Am 1(National), 2005-03-04	etric dimensions and nominal diameters, d1, from 5 mm to 50
SANS 1700-17-11:1998 / ISO 8739:1997 (2011-04-08) (SABS 1700-17-11) Fasteners Part 17: Pins Section 11: Grooved pins - Full-length parallel groov Ed 1.00 A5 6p EN Loose-leaf	ed, with pilot Gr 5
Specifies the characteristics of full-length parallel grooved pins, made of steel or a spaced grooves impressed longitudinally on their exterior surface and a pilot to fac mm inclusive.	21.060.50 ustenitic stainless steel, with pilot which have three equally ilitate insertion, with nominal diameter, d1, from 1,5 mm to 25
Am 1(National), 2005-02-04	
SANS 1700-17-12:1998 / ISO 8740:1997 (2011-04-08) (SABS 1700-17-12) Fasteners Part 17: Pins Section 12: Grooved pins - Full-length parallel groov Ed 1.00 A5 6p EN Loose-leaf PDF 6p EN	ed, with chamfer Gr 5 21.060.50
Specifies the characteristics of full-length parallel grooved pins made of steel or at spaced grooves impressed longitudinally on their exterior surface and a pilot to fac mm inclusive. Am 1(National) 2005-02-04	ustenitic stainless steel with chamfer which have three equally silitate insertion, with nominal diameter, d1, from 1,5 mm to 25
SANS 1700-17-13:1998 / ISO 8741:1997 (2011-04-08)	
Fasteners Part 17: Pins Section 13: Grooved pins - Half-length reverse-taper Ed 1.00 A5 6p EN Loose-leaf PDF 6p EN	grooved Gr 5 21.060.50
Specifies the characteristics of half-length reverse taper grooved pins made of ste grooves impressed longitudinally on their exterior surface, with nominal diameter, Am 1(National), 2005-02-04	el or austenitic stainless steel which have three equally spaced d1, from 1,5 mm to 25 mm inclusive.
SANS 1700-17-14:1998 / ISO 8742:1997 (2011-04-08) (SABS 1700-17-14) Fasteners Part 17: Pins Section 14: Grooved pins - One-third-length centre g	rooved
Ed 1.00 A5 6p EN Loose-leaf PDF 6p EN	Gr 5 21.060.50
Specifies the characteristics of one-third-length centre grooved pins made of steel grooves impressed longitudinally on their exterior surface, with nominal diameter, Am 1(National), 2005-02-04	or austenitic stainless steel which have three equally spaced d1, from 1,5 mm to 25 mm inclusive.

SANS 1700-17-15:1998 / ISO 8743:1997 (2009-11-27) (SABS 1700-17-15) Eastenance Part 17: Pine Section 15: Greeved nine	d
Ed 1.00. A5 6p ENL loss lost	
PDF 6p EN	21.060.50
Specifies the characteristics of half-length centre grooved pins made of steel or au impressed longitudinally on their exterior surface, with nominal diameter, d1, from Am 1(National), 2004-11-25	stenitic stainless steel which have three equally spaced grooves 1,5 mm to 25 mm inclusive.
SANS 1700-17-16:1998 / ISO 8744:1997 (2009-11-27) (SABS 1700-17-16)	
Fasteners Part 17: Pins Section 16: Grooved pins - Full-length taper grooved	
PDF 6p EN	Gr 5 21 060 50
Specifies the characteristics of full-length taper grooved pins made of steel or aust impressed longitudinally on their exterior surface, with nominal diameter, d1, from Am 1(National), 2004-10-29	enitic stainless steel which have three equally spaced grooves 1,5 mm to 25 mm inclusive.
SANS 1700-17-17:1998 / ISO 8745:1997 (2009-11-27) (SABS 1700-17-17) Fasteners Part 17: Pins Section 17: Grooved pins - Half-length taper grooved	
Ed 1.00 A5 6p EN Loose-leaf	Gr 5
Specifies the characteristics of half-length taper grooved pins made of steel or aus impressed longitudinally on their exterior surface, with nominal diameter, d1, from Am 1(National), 2004-10-29	21.060.50 tenitic stainless steel which have three equally spaced grooves 1,5 mm to 25 mm inclusive.
SANS 1700-17-18:1998 / ISO 8746:1997 (2009-11-27) (SABS 1700-17-18) Fasteners Part 17: Pins Section 18: Grooved pins with round head Ed 1.00 A5 7p EN Loose-leaf PDF 7p EN	Gr 6 21.060.50
Specifies the characteristics of round head grooved pins which have three equally surface, with nominal diameter, d1, from 1,4 mm to 20 mm inclusive. Am 1(National), 2004-10-29	spaced grooves impressed longitudinally on their exterior
SANS 1700-17-19:1998 / ISO 8747:1997 (2009-11-27) (SABS 1700-17-19) Fasteners Part 17: Pins Section 19: Grooved pins with countersunk head	
Ed 1.00 A5 7p EN Loose-leaf	Gr 6
PDF ⁷ p EN	21.060.50
Specifies the characteristics of countersunk head grooved pins which have three e surface, with nominal diameter, d1, from 1,4 mm to 20 mm inclusive. Am 1(National), 2004-10-29	qually spaced grooves impressed longitudinally on their exterior
SANS 1700-17-20:2010 / ISO 8748:2007	
Fasteners Part 17: Pins Section 20: Spring-type straight pins - Coiled heavy	dutv
Ed 2.00 A5 10p EN	Gr 6
PDF 10p EN	21.060.50
Specifies the characteristics of heavy duty coiled spring-type straight pins made of diameter, d1, from 1,5 mm to 20 mm inclusive.	steel or of austenitic or martensitic stainless steel, with nominal
SANS 1700-17-21:2010 / ISO 8750:2007 (SABS 1700-17-21)	
Fasteners Part 17: Pins Section 21: Spring-type straight pins - Coiled, standa	rd duty
Ed 2.00 A5 10p EN PDF 10p EN	Gr 6
Specifies the characteristics of standard duty coiled spring-type straight pins made nominal diameter, d1, from 0,8 mm to 20 mm inclusive.	of steel or of austenitic or martensitic stainless steel, with
SANS 1700-17-22:2010 / ISO 8751:2007 (SABS 1700-17-22)	
Fasteners Part 17: Pins Section 22: Spring-type straight pins - Coiled, light d	uty
Ed 2.00 A5 10p EN PDF 10p EN	Gr 6 21.060.50

Specifies the characteristics of light duty coiled spring-type straight pins made of steel or of austenitic or martensitic stainless steel, with nominal diameter, d1, from 1,5 mm to 8 mm inclusive.

Standards South Africa Catalogue 2013

SANS 1700-17-23:2010 / ISO 8752:2009 (SABS 1700-17-23) Fasteners Part 17: Pins Section 23: Spring-type straight pins - Slotted, heavy	r duty
Ed 2.00 A5 11p EN PDF 11p EN	Gr 7 21.060.50
Specifies the characteristics of slotted spring-type straight pins, made of steel or o nominal diameter, d1, from 1 mm to 50 mm inclusive.	f austenitic or martensitic stainless steel, heavy duty with
SANS 1700-17-24:2010 / ISO 13337:2009 (SABS 1700-17-24) Fasteners Part 17: Pins Section 24: Spring-type straight pins - Slotted, light of Ed 2.00 A5 11p EN PDF 11p EN	duty Gr 7 21.060.50
Specifies the characteristics of slotted spring-type straight pins, made of steel or o diameter, d1, from 2 mm to 50 mm inclusive.	f austenitic or martensitic stainless steel, light duty with nominal
SANS 1700-18-1:2003 / ISO 1051:1999 (2010-03-19) (SABS 1700-18-1) Fasteners Part 18: Rivets Section 1: Rivet shank diameters Ed 2.00 A5 6p EN Loose-leaf	Gr 5
PDF 6p EN	21.060.40
Specifies two series of shank diameters of rivets for general use, except blind river	is, in the range from 1 mm up to and including 36 mm.
SANS 1700-18-2:2004 / ISO 14588:2000 (2009-11-27) Fasteners Part 18: Rivets Section 2: Blind rivets - Terminology and definition Ed 1.00 A5 19p EN Loose-leaf PDF 19p EN	IS Gr 9 01 040 21: 21 060 40
Specifies the terminology and definitions for types, performance characteristics an setting and setting equipment used generally in blind riveting.	d geometry for blind rivets and the terminology for blind rivet
SANS 1700-18-3:2004 / ISO 14589:2000 (2009-11-27) Fasteners Part 18: Rivets Section 3: Blind rivets - Mechanical testing Ed 1.00 A4 18p EN Loose-leaf PDF 18p EN	Gr 8 21.060.40
Specifies the methods of mechanical testing of blind rivets including shear testing, mandrel push out resistance testing and mandrel break load testing.	tensile testing, mandrel head retention capability testing,
SANS 1700-18-4:2004 / ISO 15973:2000 (2009-11-27) Fasteners Part 18: Rivets Section 4: Closed end blind rivets with break pull r Ed 1.00 A4 8p EN Loose-leaf PDF 8p EN	nandrel and protruding head - AIA/St Gr 6 21.060.40
Specifies dimensional and mechanical characteristics and application data for clos with an aluminium alloy body (AIA) and a steel mandrel (St) and with nominal diam	eed end blind rivets with break pull mandrel and protruding head, neters from 3,2 mm up to and including 6,4 mm.
SANS 1700-18-5:2004 / ISO 15974:2000 (2009-11-27) Fasteners Part 18: Rivets Section 5: Closed end blind rivets with break pull r Ed 1.00 A4 8p EN Loose-leaf PDF 8p EN	nandrel and countersunk head - AIA/St Gr 6 21.060.40
Specifies dimensional and mechanical characteristics and application data for closhead, with aluminium alloy body (AIA) and a steel mandrel (St) and with nominal d	ed end blind rivets with break pull mandrel and countersunk iameters from 3,2 mm up to and including 4,8 mm.
SANS 1700-18-6:2004 / ISO 15975:2002 (2009-11-27) Fasteners Part 18: Rivets Section 6: Closed end blind rivets with break pull r Ed 1.00 A4 10p EN Loose-leaf	nandrel and protruding head - Al/AIA Gr 6
PDF 10p EN	21.060.40
Specifies dimensional and mechanical characteristics and application data for clos with a commercially pure aluminium body (AI) and an aluminium alloy mandrel (AI, including 4,8 mm.	ed end blind rivets with break pull mandrel and protruding head, A) and with nominal diameters, d, from 3,2 mm up to and
SANS 1700-18-7:2004 / ISO 15976:2002 (2009-11-27) Fasteners Part 18: Rivets Section 7: Closed end blind rivets with break pull r	nandrel and protruding head - St/St
Ed 1.00 A4 10p EN Loose-leaf PDF 10p EN	Gr 6 21.060.40
Specifies dimensional and mechanical characteristics and application data for clos with a steel body (St) and a steel mandrel (St) and with nominal diameters, d, from	ed end blind rivets with break pull mandrel and protruding head, a 3,2 mm up to and including 6,4 mm.

Gr 7

21.060.40

SANS 1700-18-8:2004 / ISO 15977:2002 (2009-11-27) Fasteners Part 18: Rivets Section 8: Open end blind rivets with break pull mandrel and protruding head - AIA/St

Ed 1.00 A4 11p EN Loose-leaf

PDF 11p EN

Specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and protruding head, with an aluminium alloy body (AIA) and a steel mandrel (St) and with nominal diameters, d, from 2,4 mm up to and including 6,4 mm. SANS 1700-18-9:2004 / ISO 15978:2002 (2009-11-27) Fasteners Part 18: Rivets Section 9: Open end blind rivets with break pull mandrel and countersunk head - AIA/St Ed 1.00 A4 11p EN Loose-leaf Gr 7 PDF 11p EN 21.060.40 Specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and countersunk head, with an aluminium alloy (AIA) body and a steel (St) mandrel with nominal diameters, d, from 2,4 mm up to and including 5 mm. SANS 1700-18-10:2004 / ISO 15979:2002 (2009-11-27) Fasteners Part 18: Rivets Section 10: Open end blind rivets with break pull mandrel and protruding head - St/St Ed 1.00 A4 11p EN Loose-leaf Gr 7 PDF 11p EN 21.060.40 Specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull and protruding head, with a steel body (St) and a steel mandrel (St) and with nominal diameters, d, from 2,4 mm up to and including 6,4 mm. SANS 1700-18-11:2004 / ISO 15980:2002 (2009-11-27) Fasteners Part 18: Rivets Section 11: Open end blind rivets with break pull mandrel and countersunk head - St/St Ed 1.00 A4 11p EN Loose-leaf Gr 7 PDF 11p EN

Specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull and protruding head, with a steel body and a steel mandrel and with nominal diameters, d, from 2,4 mm up to and including 6,4 mm.

SANS 1700-18-12:2004 / ISO 15981:2002 (2009-11-27)

Fasteners Part 18: Rivets Section 12: Open end blind i	rivets with break pull mandrel and protruding head - AIA/AIA
	0.7

Ed 1.00	A5 11p EN Loose-leaf		Gr /	
	PDF 11p EN		21.060.40	
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Specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and protruding head, with an aluminium alloy body (AIA) and an aluminium alloy mandrel (AIA) and with nominal diameters, d, from 2,4 mm up to and including 6,4 mm.

SANS 1700-18-13:2004 / ISO 15982:2002 (2009-11-27)

Fasteners Part 18: Rivets Section 13: Open end blind rivets with break pull mandrel and countersunk head - AIA/AIA

Specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and countersunk head, with an aluminium alloy body (AIA) and an aluminium alloy mandrel (AIA) and with nominal diameters, d, from 2,4 mm up to and including 6,4 mm.

SANS 1700-18-14:2004 / ISO 15983:2002 (2009-11-27)

Fasteners Part 18: Rivets Section 14: Open end blind r	rivets with break pull mandrel and protruding head - A2/A2
Ed 1.00 A5.11p EN Loose-leaf	Gr 7

Lu	1.00	AS TIP LIV LOUSe-leal	
		PDF 11p EN	21.060.40

Specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and protruding head, with austenitic stainless steel body (A2) and an austenitic stainless steel mandrel (A2) and with nominal diameters, d, from 3 mm up to and including 5 mm.

SANS 1700-18-15:2004 / ISO 15984:2002 (2009-11-27)

Fasteners Part 18: Rivets Section 15: Open end blind rivets with break pull mandrel and countersunk head - A2/A2

Ed 1.00 A5 11p EN Loose-leaf PDF 11p EN

Ed 1.00 A5 11p EN Loose-leaf PDF 11p EN

Specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and countersunk head, with an austenitic stainless steel body (A2) and an austenitic stainless steel mandrel (A2) and with nominal diameters, d, from 3 mm up to and including 5 mm.

SANS 1700-18-16:2004 / ISO 16582:2002 (2009-11-27)

Fasteners Part 18: Rivets Section 16: Open end blind rivets with break pull mandrel and protruding head - Cu/St or Cu/Br or Cu/SSt		
Ed 1.00 A5 11p EN Loose-leaf	Gr 7	
PDF 11p EN	21.060.40	
Specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and protruding head,		

with a copper body (Cu) and either a steel (St) or a bronze (Br) or a stainless steel (SSt) mandrel and with nominal diameters, d, from 3 mm up to and including 4.8 mm.

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SANS 1700-18-17:2004 / ISO 16583:2002 (2009-11-27) Fasteners Part 18: Rivets Section 17: Open end blind rivets with break pull mandrel and countersunk head - Cu/St or Cu/Br or Cu/St

Ed 1.00 A5 11p EN Loose-leaf

PDF 11p EN

Specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and countersunk head, with a copper body (Cu) and either a steel (St) or a bronze (Br) or a stainless steel (SSt) mandrel and with nominal diameters from 3 mm up to and including 4.8 mm. SANS 1700-18-18:2004 / ISO 16584:2002 (2009-11-27) Fasteners Part 18: Rivets Section 18: Open end blind rivets with break pull mandrel and protruding head - NiCu/St or NiCu/SSt Ed 1.00 A5 11p EN Loose-leaf Gr 7 PDF 11p EN 21.060.40 Specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel, protruding head, with a nickel copper body (NiCu) and either a steel (St) or a stainless steel (SSt) mandrel and with nominal diameters, d, from 3,2 mm up to and including 6,4 mm. SANS 1700-18-19:2004 / ISO 16585:2002 (2009-11-27) Fasteners Part 18: Rivets Section 19: Closed end blind rivets with pull mandrel and protruding head - A2/SSt Ed 1.00 A4 10p EN Loose-leaf Gr 6 PDF 10p EN 21.060.40 Specifies dimensional and mechanical characteristics and application data for closed end blind rivets with break pull mandrel and protruding head, with an austenitic stainless steel body (A2) and a stainless steel mandrel (SSt) and with nominal diameters, d, from 3,2 mm up to and including 6,4 mm. SANS 1700-19-1:2003 / ISO 14579:2001 (2010-02-12) Fasteners Part 19: Hexalobular socket head screws Section 1: Hexalobular socket head cap screws Ed 1.00 A5 11p EN Loose-leaf Gr 7 PDF 11p EN 21.060.10 Specifies the characteristics of hexalobular socket head cap screws with thread sizes from M2 up to and including M20, of product grade A. SANS 1700-19-2:2003 / ISO 14580:2001 (2008-03-14) Fasteners Part 19: Hexalobular socket head screws Section 2: Hexalobular socket cheese head screws Ed 1.00 A5 9p EN Loose-leaf Gr 6 PDF 9p EN 21.060.10 Specifies the characteristics of hexalobular socket cheese head screws in product grades A and with thread sizes from M2 up to and including M10. Cor 1(International), 2008-03-14 SANS 1700-19-3:2003 / ISO 14583:2001 (2008-03-14) Fasteners Part 19: Hexalobular socket head screws Section 3: Hexalobular socket pan head screws Ed 1.00 A5 9p EN Loose-leaf Gr 6 PDF 9p EN 21.060.10 Specifies the characteristics of hexalobular socket pan head screws in product grades A and with thread sizes from M2 up to and including M10. Cor 1(International), 2008-03-14 SANS 1700-19-4:2003 / ISO 14584:2001 (2010-02-12) Fasteners Part 19: Hexalobular socket head screws Section 4: Hexalobular socket raised countersunk head screws Ed 1.00 A5 9p EN Loose-leaf Gr 6 PDF 9p EN 21.060.10 Specifies the characteristics of hexalobular socket raised countersunk head screws in product grades A and with thread sizes from M2 to M10 inclusive SANS 1700-19-5:2003 / ISO 14585:2001 (2008-03-14) Fasteners Part 19: Hexalobular socket head screws Section 5: Hexalobular socket pan head tapping screws Ed 1.00 A5 9p EN Loose-leaf Gr 6 PDF 9p EN 21.060.10 Specifies the characteristics of hexalobular socket pan head tapping screws with thread sizes form ST2,9 to ST6,3 inclusive. Cor 1(International), 2008-03-14 SANS 1700-19-6:2003 / ISO 14586:2001 Fasteners Part 19: Hexalobular socket head screws Section 6: Hexalobular socket countersunk head tapping screws

21.060.10 Specifies the characteristics of hexalobular socket countersunk head tapping screws with thread sizes from ST2,9 to ST6,3 inclusive.

Gr 6

Ed 1.00 A5 9p EN Loose-leaf

PDF 9p EN

SANS 1700-19-7:2003 / ISO 14587:2001 (2010-02-12) Fasteners Part 19: Hexalobular socket head screws Section 7: Hexalobular so	ocket raised countersunk (oval) head tapping screws
Ed 1.00 A5 9p EN Loose-leaf PDF 9p EN	Gr 6
Specifies the characteristics of hexalobular socket raised countersunk (oval) head t	apping screws with thread sizes from ST2,9 to ST6,3 inclusive.
SANS 1701-2-29:1996 / ISO/TR 8646:1985 (SABS 1701-2-29) Bearings Part 2: Rolling bearings Section 29: Explanatory notes on ISO 281-1	:1977
Ed 1.00 A4 69p EN Not sold separately, refer SANS 1701 set PDF 69p EN	Gr 14 21.100.20
Gives supplementary background information regarding the derivation of formulae a	and factors given in ISO 281-1.
SANS 1703:2003 (2009-03-20) (SABS 1703) Shade netting	
Ed 1.02 A4 11p EN	Gr 6
PDF TIP EN	59.080.30
for example 20 % shade netting could be used for bird netting.Col 1(National), 1999-04-16Am 1(National), 2003-02-14	End applications for a specific type of shade netting could differ,
SANS 1707-1:2010	
Ed 1.01 A4 25p EN	Gr 9
PDF 25p EN	79.040
Specifies requirements for two stress grades of proof-graded structural timber (inclueucalyptus species. Am 1(National), 2010-07-30	uding finger-jointed structural timber) derived from the
SANS 1707-2:2010 Sawn eucalyptus timber Part 2: Brandering and battens	
Ed 1.01 A4 13p EN PDF 13p EN	Gr 6 79.040
Specifies requirements for one grade of eucalyptus timber that is suitable for use as the beams and joists in roofs for the attachment of ceilings and for the boxing in of Am 1(National), 2010-06-25	s brandering and battens, i.e. intended for being fixed against eaves.
SANS 1709:2008 / NFPA 15:2007 Water spray fixed systems for fire protection	
Ed 1.00 A4 72p EN PDF 72p EN	Gr 14 13.220.20
Covers the design, installation, maintenance and testing of water spray fixed system	ns.
SANS 1713:2004 (2009-05-22) (SABS 1713)	
Electric cables - Medium-voltage aerial bundled conductors for voltages from	3,8/6,6 kV to 19/33 kV
PDF 27p EN	29.060.20
Specifies the characteristics of medium-voltage aerial bundled conductors (MV ABC linked polyethylene (XLPE), for use at operating voltages in the range 3,8/6,6 kV to where a continuous conductor operating temperature of 90 °C and a short-circuit te Am 1(National), 2001-03-29 Am 2(National), 2004-03-05	Cs) with stranded aluminium conductors insulated with cross- 19/33 kV. The cables are intended for use in direct sunlight, mperature of 250 $^{\circ}$ C are not exceeded.
SANS 1717-1:2005	
I ne design of detonator initiation systems for use in mining and civil blasting Ed 1.00 A4 55p EN PDF 55p EN	applications Part 1: Electronic initiation systems Gr 12 29 260 20: 73 020
Covers the performance requirements and testing of electronic delay detonator (ED electronic initiation of explosive blasts.	D) initiation systems and other related systems, used in the

SANS 1717-2:2007	
(SABS 1/1/-2) The design and approval of detonator initiation systems for use in mining an	d civil blasting applications Part 2: Electric initiation
systems - Shot exploder based	
Ed 1.01 A4 13p EN PDF 13p EN	Gr 6 29.260.20
Covers the design, constructional requirements, performance, testing and approva initiation systems used in the electric initiation of explosive blasts. Am 1(National), 2007-08-31	I of shot exploders for electric detonators and other related
SANS 1718-1:2008	
(SABS 1718-1)	
Ed 2 02 A4 75p EN	Gr 13
PDF 75p EN	35.240.99; 97.200.99
Specifies the constructional and operational requirements for gaming devices that casino. Includes gaming machines, jackpot controllers and displays, and machine	reside on, or are operated on (or both), the gaming floor of a consoles.
Am 1(National), 2007-02-16 Am 2(National), 2008-04-25	
SANS 1718-2:2005 (SABS 1718-2)	
Gaming equipment Part 2: Limited payout gaming equipment	
Ed 3.00 A4 77p EN PDE 77p EN	Gr 13
Cate out the requirements for single part coming equipment to be used in limited a	35.240.99; 97.200.99
that hold site license types. The National Gambling Act, 1996 (Act No. 33 of 1996) monitoring system (CEMS), and therefore the requirements of SABS 1718-9 are al	requires that this equipment be attached to a central electronic so applicable.
SANS 1718-3:2003 (SABS 1718-3)	
Gaming equipment Part 3: Monitoring and control systems for gaming equip	ment
Ed 2.00 A4 30p EN	Gr 9
PDF 30p EN	35.240.99; 97.200.99
Specifies the requirements for gaming equipment that forms part of the monitoring hardware and software that comprise the system, for operational functionality, for o with this part of SANS 1718 forms part of the requirements set by the South Africa gaming equipment.	and control system in a casino. It includes requirements for the communication protocols and for event messages. Compliance n National and Provincial Gaming Regulators for the licensing of
SANS 1718-4:2008 (SABS 1718-4)	
Gaming equipment Part 4: Wagering record-keeping software	
Ed 2.00 A4 38p EN	Gr 10
PDF 38p EN	35.240.99; 97.200.99
Specifies the general software and, if applicable, hardware requirements, the list of the South African Provincial Licensing Authority (PLA), for record-keeping software events permitted by the PLA.	f significant events and the reporting requirements required by used by licensed operators for the acceptance of wagers on
SANS 1718-5:2009	
Gaming equipment Part 5: Local area and wide area jackpot and progressive	jackpot equipment
Ed 1.00 A4 25p EN PDE 25p EN	Gr 9
Specifica requirements for gaming devises that are added to evisting gaming equi	35.240.99; 97.200.99
available on a games pay table, referred to as jackpots. Includes requirements for by some event on a connected gambling machine or gaming table, whether these nominated base amount (i.e. Progressive jackpots).	prize determination triggered by random number generators or jackpots consist of a single prize or are incremented from a
SANS 1718-7:2007 (SABS 1718-7)	
Gaming equipment Part 7: Tokens	
Ed 2.00 A4 5p EN	Gr 4

Ed 2.00 A4 5p EN PDF 5p EN

Specifies constructional and design requirements for tokens (used as betting and wagering media in gaming equipment), to be used on licensed premises, as specified by the licensing authority.

35.240.99; 97.200.99

Gr 9

Gr 10

35.240.99; 97.200.99

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SANS 1718-8:2007

Gaming equipment Part 8: Roulette wheels

Ed 1.00 A4 18p EN PDF 18p EN

Specifies the constructional and design requirements of roulette wheels to be used on licensed premises, as specified by the provincial licensing authority. Automated roulette wheels used in gaming devices are also covered by these requirements, unless the results are determined by a random number generator.

SANS 1718-9:2005 (SABS 1718-9)

Gaming equipment Part 9: Central monitoring system for limited payout machines

Ed 2.00 A4 39p EN PDF 39p EN

Specifies the general hardware and software requirements and the list of significant events required by the South African Provincial Licensing Authority (LA) for a central electronic monitoring system for limited payout machines (LPMs).

SANS 1718-10-2009

Gaming	equipment Part 10: Server-based gaming systems	
Ed 1.00	A4 16p EN	Gr 7
	PDF 16p EN	35.240.99; 97.200.99

Provides requirements for all computer system configurations and their associated components used for server-based gaming. Includes requirements for: a) gaming devices comprised of a collection of conventional gaming devices or client stations connected to a system for the purposes of downloading games or control programs but capable of operating independently such that the game outcome is determined by the gaming devices or client station and not by the system, and b) gaming devices comprised of a server or system part and client stations that, together, form a single integrated device where the system portion of the game determines the outcomes of the individual games conducted on the client stations and the client stations cannot operate independently from the system. Also covers situations where the servers might be situated offsite but all player interaction for the purposes of gambling takes place on licensed premises. Does not include additional requirements that might be specified by the PLA for applications where the server is based off-site.

SANS 1726-1:2003 / EN 1726-1:1998 (2007-11-23)

Safety of industrial trucks - Self-propelled trucks up to and including 10 000 kg capacity and industrial tractors with a drawbar pull up to and including 20 000 N Part 1: General requirements

Ed 1.00	A4 60p EN	Gr	13
	PDF 60p EN	53.	.060

Applies to self-propelled industrial trucks including masted rough terrain trucks with removable and integrated attachments with a rated capacity up to and including 10 000 kg and to tractors with a rated drawbar pull up to and including 20 000 N. Am 1(International), 2007-11-23

SANS 1726-2:2003 / EN 1726-2:2000 (2009-02-06)

Safety of industrial trucks - Self-propelled trucks up to and including 10 000 kg capacity and tractors with a drawbar pull up to and including 20 000 N Part 2: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads Gr 10

Ed 1	1.00	A4 29p EN	
		PDF 29p EN	

Is applicable, in addition to EN 1726-1 to industrial trucks designed to travel indoors on smooth level prepared surfaces and equiped with vertical, non-tilting mast.

SANS 1733:2011

SAB2 17	33)	
WC flushing systems (low-flushing capacity) that operate with flushing cisterns		
Ed 1.03 /	A4 11p EN	Gr 6
I	PDF 11p EN	91.140.70
Ed 1.03 /	A4 11p EN PDF 11p EN	Gr 6 91.1

Specifies requirements for the components, assembly and combined performance of WC flushing systems that operate in conjunction with cisterns that have stored water capacities of 6 L and less. Am 2(National), 2007-10-19 Am 3(National), 2011-06-24

Am 1(National), 2002-08-08

SANS 1735:2005 / ISO 1735:2004 (2010-08-06)

Cheese and processed cheese products - Determination of fat content - Gravimetric	method (Reference method)
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Ed 1.00 A4 22p EN PDF 22p EN

Specifies the reference method for the determination of the fat content of all types of cheese and processed cheese products having lactose contents of below 5 % (mass fraction) of non-fat solids.

53.060

Gr 9 67.100.30

SANS 1736:2007 (2012-06-29) (SABS 1736)		
Safety helmets for cricket players		
Ed 1.01 A4 19p EN PDF 19p EN		Gr 8 13.340; 97.220.40
Specifies requirements for protective h acceptable level of safety. Am 1(National), 2007-06-15	neadgear for cricket players, intended to	provide cricket players with head protection of the minimum
SANS 1737:2008 (SABS 1737)		
Body-worn escape type breathing a	pparatus	
Ed 1 03 A4 54n EN		Gr 12
PDF 54p EN		13.340.30
Specifies minimum requirements for b purposes only.	ody-worn escape type breathing appara	atus of the chemical oxygen and compressed oxygen types for escape
Cor 1(National), 2001-07-09	Am 1(National), 2004-10-29	Am 2(National), 2008-10-03
SANS 1739:2008 (SABS 1739)	o for fire extinguishers	
	s for fire extinguishers	07
PDF 18p EN		
		13.220.10; 23.020.30
Specifies requirements for steel cylind Am 1(National), 2008-08-29	ers for rechargeable fire extinguishers c	of capacity not exceeding 150 L.
SANS 1745:2003		
(SABS 1745)		
Cementitious grouting capsules for	use with tendon-based support systemeters	ems
Ed 1.01 A4 16p EN		Gr 7
PDF 16p EN		73.020; 91.100.10
Specifies requirements for cementition suitable for use under conditions of ele Am 1(National), 2003-07-04	us grouting capsules for use with tendon evated temperature (above 65 °C) and h	n-based support systems for the mining industry. The grouts are high humidity.
SANS 1746:2008 (SABS 1746)		
Timber preservative - Tributyltin na	ohthenate-permethrin	
Ed 1 01 A4 14n EN		Gr 6
PDF 14p EN		71 100 50
Specifies the requirements for a conce	entrated solution of tributyltin naphthena	te-permethrin in a solvent that, in diluted form, is intended for use as
timber preservative. Am 1(National), 2008-04-18	, , , , , , , , , , , , , , , , , , ,	
SANS 1748-1:2004		
(SABS 1748-1)		
Glass-fibre-reinforced thermosetting	g plastics (GRP) pipes Part 1: Pipes f	for water supply, sewerage and drainage
Ed 1.01 A4 30p EN PDF 30p EN		Gr 9 23.040.20; 91.140.01
Applies to GRP pipes of nominal sizes and nominal stiffness (SN) classes 63 transmission piping systems above or Am 1(National), 2004-08-27	; 25 mm to 3 600 mm (inclusive), nomin 0; 1 250; 2 500 and 5 000, suitable for ι underground.	al pressure (PN) classes 2,5; 6; 8; 10; 12,5; 16; 20; 25; 32 and 40, use in water systems, service and distribution piping systems, and
SANS 1748-2:2005		
Glass-fibre-reinforced thermosetting hazardous chemical substances in	g plastics (GRP) pipes Part 2: Pipes, industrial applications	fittings and joint assemblies for the conveyance of
Ed 1.00 A4 75p EN		Gr 13
PDF 75p EN		23.040.20
Specifies requirements for pipes, fitting applications involving the conveyance pressure (PS) and nominal diameter (I and joint assemblies for the conveyan- feature is stiffness.	gs and joint assemblies manufactured fu of hazardous chemical substances in lid DN) does not exceed the value of 6 000 ce of steam or steam condensates, pipe	rom glass-fibre-reinforced thermosetting resins, for use in industrial quid or gaseous form, and where the product of maximum allowable . Covers lined and unlined systems. Does not cover pipes, fittings es of ribbed construction, or systems for which the main design

SANS 1748-3:2007		
Glass-fibre-reinforced thermosetting	g plastics (GRP) pipes Part 3: Pipes	s, fittings and ancilliaries for underground (buried) fire
		Cr. 10
Ed 1.00 A4 34p EN PDF 34p EN		
This standard covers the design, manual as underground (buried) fire protection	ufacture, certification, transportation, i services. It covers axially-restrained	nstallation and inspection of GRP pipes, fittings and ancillaries for use and unrestrained pipe systems.
SANS 1749:2011 (SABS 1749)		
Glass-reinforced polyester (GRP) po	bles	
Ed 1.02 A4 26p EN		Gr 9
PDF 26p EN		83.120
Specifies the requirements for the mat luminaire support in street and road lig Am 1(National), 2006-11-03	erials, design, properties and perform hting). Am 2(National), 2011-09-16	ance of glass-reinforced polyester (GRP) poles (typically used as
Am (National), 2000-11-03	Am 2(National), 2011-09-10	
SANS 1755:2008 (SABS 1755)		
Petroleum jelly (petrolatum)		
Ed 1.03 A4 14p EN		Gr 6
		11.120.10; /5.140
Specifies requirements for refined petr and cosmetic applications.	oleum jelly (petrolatum) in two colour	grades (white and yellow), which is intended for use in pharmaceutical
Am 1(National), 1998-06-30 Am 3(National), 2008-01-25	Err 1(National), 1998-07-28	Am 2(National), 1999-06-04
SANS 1762:2007 (SABS 1762)		
Continuous pressed laminates (CPL	.s)	
Ed 1.01 A4 15p EN		Gr 7
PDF 15p EN		83.140.20; 97.140
Based on SANS 4586-1 and SANS 45 recommended fields of application, an Am 1(National), 2007-07-13	86-2, it establishes a classification sy d specifies requirements for the prope	stem for CPLs that is based on their performance and their main erties of the various types of CPL.
SANS 1763:2008		
Decorative melamine-faced boards		
Ed 1.01 A4 10p EN		Gr 5
PDF 10p EN		79.060.20
Specifies the requirements for decorat pressure laminates and are used, for e Am 1(National) 2008-04-11	ive aminoplast-faced boards, which a example, for furniture and interior work	re referred to as decorative melamine-faced boards (MFB) or low-
SANS 1774:2007		
(SABS 1774)		
Liquefied petroleum gases		
Ed 1.03 A4 11p EN PDF 11p FN		
	ter beine and the second state of a device of	75.160.30
where a fuel volatility between that of a in installations which are designed to u volatility is not necessarily a criterion.	commercial propane and commercial se a fuel of high volatility; and for cor	butane is acceptable; for commercial propane intended primarily as fuel nmercial butane intended primarily as fuel in installations where fuel
Am 1(National), 2004-08-06	Am 2(National), 2005-05-20	Am 3(National), 2007-04-13
SANS 1775:1999 (SABS 1775)		
Sterile single-use intravenous (IV) in	ntusion sets (administration sets)	0- 11
EU 1.00 A4 360 EN PDF 36n FN		
		11.040.20

Covers requirements for sterile single-use, gravity feed intravenous infusion sets, including burette sets and extension sets, intended for general medical use with blood, blood derivatives and fluids other than blood.

Intravenous infusion and transfusion	equipment (sterile-packed for sing	gle use) Part 1: Infusion sets, gravity feed
Ed 1.01 A4 26p EN PDF 26p EN		Gr 9 11 040 20
Covers requirements for gravity feed int for general medical use and sterile-pack	ravenous fluid infusion sets, continuo ked for single use.	us flow infusion sets and secondary medication infusion sets intended
SANS 1775-2:2011		
Intravenous infusion and transfusion	equipment (sterile-packed for sing	gle use) Part 2: Burette sets, gravity feed
Ed 1.01 A4 15p EN		Gr 7
PDF 15p EN		11.040.20
Covers requirements for gravity feed int single use and intended for general med Am 1(National), 2011-02-04	ravenous fluid burette sets of nomina dical use to ensure compatibility of us	I capacity 50 mL, 100 mL and 150 mL, which are sterile-packed for e with containers for intravenous solutions and infusion equipment.
SANS 1775-4:2011 Intravenous infusion and transfusion	equipment (sterile-packed for sing	gle use) Part 4: Central venous pressure (CVP) monitoring
Ed 1.01 A4 13p EN		Gr 6
PDF 13p EN		11.040.20
Covers requirements for central venous Am 1(National), 2011-02-04	pressure (CVP) monitoring sets inter	nded for general medical use and sterile-packed for single use.
SANS 1777:2011		
(SABS 1777)		
Photoelectric control units for lightin	g (PECUs)	
Ed 1.03 A4 16p EN		Gr 7
		31.260; 93.080.40
reactive load not exceeding 1 800 VA at Am 1(National), 2000-06-09	t 230 V and 50 Hz. Am 2(National), 2004-04-23	Am 3(National), 2011-01-28
CANE 1792 1-2000		
(SABS 1783-1)		
Sawn softwood timber Part 1: Genera	al requirements	
Ed 1.04 A4 31p EN		Gr 10
PDF 31p EN		79.040; 91.080.20
Specifies requirements for visually, med frame wall construction and for industria	chanically and proof-graded sawn soft al purposes, derived from trees of the	wood timber, for use as structural timber, brandering and battens, for genus Pinus grown in Southern Africa.
Cor 1(National), 1999-03-24 Am 3(National), 2009-12-04	Am 1(National), 2004-07-02	Am 2(National), 2007-10-19
SANS 1783-2:2012		
(SABS 1783-2)		
Sawn softwood timber Part 2: Stress	-graded structural timber and timbe	er for frame wall construction
Ed 1.08 A4 1/p EN PDF 17p EN		Gr / 70.040:01.090.20
		79.040, 91.060.20
(including finger-iointed structural timbe	r).	mber and three stress grades of mechanically graded structural timber
Am 1(National), 1999-10-14	Am 2(National), 2001-08-23	Am 3(National), 2003-03-14
Am 4(National), 2004-07-02 Am 7(National), 2009-12-04	Am 5(National), 2005-03-18 Am 8(National), 2012-08-31	Am 6(National), 2007-10-19
SANS 1783-3:2010		
(SABS 1783-3)		
Sawn softwood timber Part 3: Industr	rial timber	
Ed 1.02 A4 13p EN PDF 13p FN		Gr 6
		/9.040; 91.080.20
Am 1(National), 2004-07-02	Am 2(National), 2010-07-30	ioustriai use, dut not for structural use.

SANS 1775-1:2011

SANS 1783-4:2012		
(SABS 1783-4)		
Sawn softwood timber Part 4: Brander	ring and battens	
PDF 19p EN		
Specifies requirements for one grade of t roofs for the attachment of ceilings and fi wooden shingles and thatch	imber suitable for use as brandering or the boxing in of eaves, and for use	and battens intended for being fixed against beams and joists in e as supports on roof trusses for the fixing of roofing slates, tiles,
Am 1(National), 1999-07-16 Am 4(National), 2010-06-04	Am 2(National), 2004-07-02 Am 5(National), 2012-10-05	Am 3(National), 2007-10-19
SANS 1790-1:2007 (2013-02-22) (SABS 1790-1)		
Low power radio broadcast transmiss	ions Part 1: AM transmissions	
Ed 1.01 A4 4p EN PDF 4p EN		Gr 3 33.060.30
Specifies technical requirements for low Am 1(National), 2007-09-14	power AM radio transmissions.	
SANS 1790-2:2007 (2013-02-22) (SABS 1790-2)		
Low power radio broadcast transmiss	ions Part 2: FM transmissions	
Ed 1.01 A4 6p EN PDF 6p EN		Gr 4 33 060 30
Specifies the requirements for low power Am 1(National), 2007-09-14	FM broadcast transmissions.	
SANS 1793:2006 / OIML R 126:1998 (SABS 1793)		
Evidential breath analysers		
Ed 2.00 A4 40p EN PDE 40p EN		Gr 11
Applies to evidential breath analyzers (he alcohol in exhaled breath. Defines the pe of this recommendation, only ethanol is o sufficiently accurate measurement.	ereafter referred to as EBAs), which rformance requirements of EBAs an considered as alcohol. Does not app	are instruments that automatically measure the mass concentration of d the means and methods employed in testing them. For the purpose ly to screening devices that only detect ethanol without providing a
SANS 1795-0:2007 (SABS 1795-0)		
Road traffic law enforcement systems	Part 0: General requirements	
Ed 2.01 A4 19p EN PDF 19p EN		Gr 8 17.080
Specifies mechanical, electrical and oper intended for traffic law enforcement and Am 1(National), 2007-11-09	rational requirements for speed mea prosecution purposes.	suring equipment and associated speed measuring systems that are
SANS 1795-1:2007 (SABS 1795-1)		
Road traffic law enforcement systems	Part 1: Laser speed measuring ed	quipment
Ed 1.01 A4 7p EN		Gr 5
PDF 7p EN		17.080; 31.260
Specifies mechanical, electrical and oper prosecution purposes. Am 1(National), 2007-11-09	rational requirements for laser speed	I measuring equipment that is intended for traffic law enforcement and
SANS 1795-2:2007 (SABS 1795-2)		
Road traffic law enforcement systems	Part 2: Radar speed measuring e	quipment
Ed 1.01 A4 7p EN PDF 7p EN		Gr 5 17.080
Specifies mechanical, electrical and oper prosecution purposes. Am 1(National), 2007-11-09	rational requirements for radar speed	d measuring equipment that is intended for traffic law enforcement and

SANS 1795-3:2007 (SABS 1795-3)	
Road traffic law enforcement systems Part 3: Distance-over-time speed meas	uring equipment (fixed distance/variable time)
Ed 1.01 A4 6p EN	Gr 4
PDF 6p EN	17.080
Specifies mechanical, electrical and operational requirements for distance-over-tim is intended for traffic law enforcement and prosecution purposes. Am 1(National), 2007-11-09	e speed measuring equipment (fixed distance/variable time) that
SANS 1795-4:2007 (SABS 1795-4) Road traffic law enforcement systems Part 4: Distance-over-time speed meas	uring equipment (variable distance/variable time)
Ed 1.01 A4 6p EN	Gr 4
PDF 6p EN	17.080
Specifies mechanical, electrical and operational requirements for mobile speed me calculates speed based on measurements of distance and time, and that is intender Am 1(National), 2007-11-09	asuring equipment that is installed in an observer vehicle, that ad for traffic law enforcement and prosecution purposes.
SANS 1795-5:2007 (SABS 1795-5)	
Road trattic law enforcement systems Part 5: Data capturing and recording de	evices for road traffic law enforcement
Ed 1.01 A4 11p EN	Gr 6
FDITIPEN	17.080
Specifies mechanical, electrical and operational requirements for data capturing an enforcement and prosecution purposes. Am 1(National), 2007-11-09	d recording equipment that is intended for road traffic law
SANS 1796:2010 (SABS 1796)	
Application of durable organic powder coatings for architectural aluminium	
Ed 3.00 A4 30p EN	Gr 9
PDF 30p EN	25.220.60; 87.040
Specifies the characteristics of durable organic powder coating (finish) on aluminium external architectural applications. It includes powder coatings used for special finishing the special finishin	m alloy extrusions, sheet and welded structures to be used for shes.
SANS 1798:2011 (SABS 1798)	
Bottled tomato sauce	
Ed 2.01 A4 2/p EN	Gr 9
	67.080.20
Specifies requirements for the manufacture, production, processing and treatment Am 1(National), 2011-09-23	of bottled tomato sauce.
SANS 1799:2004 (2009-08-21) (SABS 1799)	
Watt-hour meters - AC electronic meters for active energy	
Ed 1.01 A4 8p EN	Gr 5
PDF 8p EN	91.140.50
Specifies requirements for newly manufactured static watt-hour meters of accuracy energy of frequencies in the range 45 Hz to 65 Hz, and for their type tests. Am 1(National), 2004-12-03	classes 1 and 2, for the measurement of a.c. electrical active
SANS 1803-1:2009 (SABS 1803-1)	
Lugs and ferrules for insulated electric cables Part 1: Copper conductors	
Ed 1.01 A4 13p EN	Gr 6
PDF 13p EN	29.060.20

Specifies the leading dimensions and test requirements for lugs and ferrules for use in terminating and joining conductors of insulated electric cables, having compacted stranded, or uncompacted stranded conductors in the size range 10 mm2 to 630 mm2. Am 1(National), 2009-05-08

SANS 1804-1:2012 (SABS 1804-1) Induction motors Part 1: IEC requirem Ed 2.01 A4 28p EN	ents	Gr 9
PDF 28p EN		29.160.30
Specifies requirements for induction mote covers those requirements of SANS 6003 and the purchaser. Am 1(National), 2012-03-02	ors that are intended to comply with the m 34 and SANS 60072 that need to be speci	andatory requirements of SANS 60034 and SANS 60072. Also fied by the purchaser or agreed upon between the manufacturer
SANS 1804-2:2012 (SABS 1804-2) Induction motors Part 2: Low-voltage	three-phase standard motors	
Ed 1.05 A4 34p EN PDF 34p EN		Gr 10 29.160.30
Specifies requirements for low-voltage th frame sizes up to and including 315, for v Am 1(National), 2001-03-02	ree-phase alternating-current standard inc voltages up to and including 1 100 V betwee Am 2(National), 2004-07-16	luction motors of the cage and wound-rotor (slip-ring) types, in een lines and at a frequency of 50 Hz. Am 3(National), 2006-07-21
Am 4(National), 2007-09-14	Am 5(National), 2012-03-16	
SANS 1804-3:2012 (SABS 1804-3)		
Induction motors Part 3: Low-voltage	three-phase intermittently-rated wound	-rotor motors
Ed 1.02 A4 30p EN		Gr 9
PDF 30P EN		29.160.30
Specifies requirements for low-voltage th for voltages not exceeding 1 100 V betwee Am 1(National), 2007-06-29	ree-phase alternating-current intermittently een lines and at a frequency of 50 Hz. Am 2(National), 2012-03-02	y-rated wound-rotor (slip-ring) motors, in frame sizes 100 to 450
SANS 1804-4:2012 (SABS 1804-4)		
Induction motors Part 4: Single-phase	induction motors	
Ed 1.02 A4 25p EN		Gr 9
PDF 25p EN		29.160.30
Specifies requirements for four types of s including 160 mm, for voltages up to and run, capacitor start capacitor run, and ca	single-phase alternating current induction r including 250 V at a frequency of 50 Hz o pacitor start and run.	notors of standard dimensions and of frame sizes up to and r 60 Hz. The four types are: split-phase, capacitor start induction
Am 1(National), 2006-08-18	Am 2(National), 2012-03-09	
SANS 1806:2009 (SABS 1806)		
Structural bearings - Bridge bearings	- Materials, manufacture and installatio	n Or 10
PDF 34p EN		21 100 10: 93 040
Specifies requirements for materials and	workmanship commonly used in the man	ufacture and installation of bridge bearings.
Am 1(National), 2002-09-13	Am 2(National), 2005-11-21	Am 3(National), 2009-08-28
SANS 1808-2:2010 (SABS 1808-2)		
Water supply and distribution system	components Part 2: Metallic compressi	on type pipe couplings
Ed 1.03 A4 9p EN		Gr 5
PDF 9p EN		23.040.60
Specifies requirements for metallic comp below-ground cold water supply installati Am 1(National), 1999-10-29	ression type pipe couplings of nominal siz ons. Am 2(National), 2005-05-20	e up to and including 1 000 mm for use in above-ground and Am 3(National), 2010-05-07
SANS 1808-5:2010	·····	· · · · // · · · · · · ·
Water supply and distribution system	components Part 5: Flexible connector	S
Ed 1.03 A4 10p EN	• • • • • • • • • • • • • • • • • • • •	Gr 5
PDF 10p EN		23.040.60
Specifies requirements for flexible conne	ctors of the elastomeric type, for use in pr	essurized domestic hot-water and cold-water systems at working
pressures of up to 1 500 kPa. Am 1(National), 2001-01-26	Am 2(National), 2008-09-19	Am 3(National), 2010-05-07

SANS 1808-9:2008		
Water supply and distribution syster	n components Part 9: Metering taps and	l valves (metallic bodies)
Ed 1.02 A4 11p EN PDF 11p EN		Gr 6 23.060.99
Specifies requirements for metering tap operation and for use in domestic hot a Am 1(National), 2001-05-21	os and valves of size 15 mm, 20 mm and 2 ind cold water systems at working pressure Am 2(National), 2008-09-19	5 mm, that are intended to deliver a preset amount of water per es that do not exceed 600 kPa.
SANS 1808-10:2005 (2010-08-20) (SABS 1808-10)		
Water supply and distribution system	n components Part 10: Copper alloy che	eck valves (spring-loaded)
Ed 1.02 A4 9p EN PDF 9p EN		Gr 5 23.060.50
Specifies requirements for spring-loade	ed serviceable type copper alloy check valv	es of nominal size 15 mm to 50 mm, that are intended for use in
Am 1(National), 1999-10-29	Am 2(National), 2005-05-20	
SANS 1808-13:2009		
Water supply and distribution system	n components Part 13: Diaphragm valve	25
Ed 1.02 A4 18p EN		Gr 7
PDF 18p EN		23.060.99
Specifies requirements for the size, rat nominal pressures of PN 6, PN 10 and valves suitable for use in industrial app in the range DN 15 to DN 400 and valv cover the requirements for valves with Cor 1(National), 2001-05-30	Ing, design, materials, marking, and prepar PN 16 suitable for use in waterworks at ter lications at temperatures up to 220 °C and es with internal screwed threads suitable for butt-welded ends. Am 1(National), 2009-05-08	ation for the transportation and storage of diaphragm valves with nperatures of -5 °C to +80 °C. Covers the requirements for for a variety of fluids. Covers flanged valves of nominal size (DN) or screwed pipes of size up to and including 80 mm. Does not
SANS 1808-15:2011		
(SABS 1808-15)		
Water supply and distribution system	n components Part 15: Mechanical back	flow-prevention devices
PDF 19p EN		Gr 8 23.060.40
Specifies the characteristics of three ty 1600 kPa, intended for the protection o Am 1(National), 2007-10-12	pes of backflow-prevention devices of sizes f potable water supplies at a temperature n Am 2(National), 2011-07-15	s 15 mm to 250 mm and working pressures of 1000 kPa and not exceeding 60 degrees Celsius.
SANS 1808-16:2008 (SABS 1808-16)		
Water supply and distribution system	n components Part 16: Drinking fountair	n taps
Ed 1.02 A4 10p EN		Gr 5
PDF TOP EN		23.060.99
Am 1(National), 2001-05-21	Am 2(National), 2008-09-26	ter systems at static pressures that do not exceed 600 KPa
SANS 1808-18:2010 (SABS 1808-18)		
Water supply and distribution syster	n components Part 18: PVC-U gate valve	
PDF 9p EN		23.060.30
Specifies requirements for PVC-U gate temperatures that do not exceed 30 ℃ Am 1(National), 2004-11-05	valves of nominal size 50 mm to 250 mm, and at working pressures of 1 000 kPa or Am 2(National), 2010-04-16	that are intended for use in general water installations at 1 600 kPa.
SANS 1808-24:2010 (SABS 1808-24)		
Water supply and distribution system	n components Part 24: Gas-operated wa	ater heaters
Ed 1.02 A4 9p EN PDF 9p FN		Gr 5
Specifies requirements for gas-operate Am 1(National), 2004-11-19	d water heaters for use in water installation Am 2(National), 2010-06-04	s at a supply pressure of up to 1 200 kPa.

SANS 1808-30:2004 (2009-12-11) (SABS 1808-30) Water supply and distribution system	components Part 30: Laboratory water	taps
Ed 1.01 A4 6p EN PDF 6p EN		Gr 4 23.060.99
Specifies requirements for screw-down a that do not exceed 75 °C. Am 1(National), 2004-11-25	and non-screw-down laboratory water taps	for use in hot-water and cold-water installations at temperatures
SANS 1808-31:2010 (SABS 1808-31) Water supply and distribution system Ed 1.03 A4 9p EN PDF 9p EN	components Part 31: Automatic contro	I valves Gr 5 23.060.99: 23.100.50
Specifies requirements (including materi cold-water supply installations at temper applicable to actuating mechanisms, and Am 1(National) 1999-10-29	als and construction) for automatic contro atures that do not exceed 30 °C and at wo cillary connections or pipe work.	I valves of size up to 600 mm, and that are intended for use in rking pressures of 1 000 kPa, 1 600 kPa or 2 500 kPa. Not
SANS 1808-32:2010	All 2(National), 2003-12-10	All 5(National), 2010-11-20
(SABS 1808-32)		
Ed 1.03 A4 10p EN PDF 10p EN	components Part 32: Float Valves (equ	Gr 5 23.060.99
Specifies requirements for equilibrium ty temperature and at working pressures of	pe float valves, of size 50 mm and larger, 1 000 kPa, or 1 600 kPa, or 2 500 kPa.	that are intended for use in general water installations at ambient
Am 1(National), 1999-10-29	Am 2(National), 2005-05-20	Am 3(National), 2010-11-26
SANS 1808-35:2010 (SABS 1808-35) Water supply and distribution system	components Part 35: Electronically op	erated taps and valves
Ed 1.02 A4 10p EN PDF 10p EN		Gr 5 23.060.01
Species requirements for electronically of pressure of up to 600 kPa. Am 1(National), 2004-12-10	perated taps and valves of size up to 32 r Am 2(National), 2010-04-16	nm, for use in hot-water and cold-water systems at a working
SANS 1808-37:2005 (2010-09-01) (SABS 1808-37)		
Water supply and distribution system	components Part 37: Single-control mi	xer taps (plastics)
Ed 1.02 A4 12p EN PDF 12p EN		Gr 6 23.060.99
Specifies requirements for plastics mixer modes of operation for controlling the flo domestic hot-water and cold-water syste	taps (mixers) that are manually operated w rate (including shut-off) and for controlli ms.	by means of a single control that has separate and independent ng the temperature, and that are intended for use in balanced,
Am 1(National), 1999-10-29	Am 2(National), 2005-05-20	
SANS 1808-44:2010 (SABS 1808-44) Water supply and distribution system	components Part 44: Pipe saddles	
PDF 9p EN		23.040.40
Specifies requirements for pipe saddles attachment of threaded pipes of size 15 Am 1(National), 1999-10-29	to fit over pipes of nominal outside diamet mm up to and including 50 mm. Am 2(National), 2005-05-20	er from 50 mm up to and including 300 mm, and suitable for the Am 3(National), 2010-08-20
SANS 1808-45:2005 (2010-08-20) (SABS 1808-45) Water supply and distribution system	components Part 45: Pipe repair clam	os
Ed 1.02 A4 8p EN		Gr 5
Specifies requirements for pipe repair cla Am 1(National), 1999-10-29	amps of nominal size 50 mm to 600 mm fo Am 2(National), 2005-04-22	21.060.70; 23.040.40 or use in water supply and distribution systems.

SANS 1808-53:2012 (SABS 1808-53) Water supply and distribution system	components Part 53: Drain cocks for	not-water storage containers
Ed 1.03 A4 11p EN		Gr 6
PDF 11p EN		23.060.99
Specifies dimensional and performance that comply with SANS 151.	requirements for copper alloy drain cocks	that are suitable for the draining of hot-water storage containers
Am 1(National), 2000-05-25	Am 2(National), 2005-05-20	Am 3(National), 2012-04-13
SANS 1808-58:2010 (SABS 1808-58) Water supply and distribution system Ed 1.03 A4 11p EN PDF 11p EN	components Part 58: In-line strainers	Gr 6 23.040.40
Specifies requirements for in-line straine	ers of nominal size 15 mm to 300 mm, for	use in water installations at temperatures that do not exceed 70
°C. Am 1(National), 1999-10-29	Am 2(National), 2005-03-18	Am 3(National), 2010-06-04
SANS 1808-66:2005 (2010-08-20) (SABS 1808-66) Water supply and distribution system Ed 1.02 A4 9p EN PDF 9p EN	components Part 66: Demand type wa	ter taps Gr 5
Specifies requirements for demand type to 600 kPa. Am 1(National), 1999-10-29	water taps of size up to and including 25	mm, for use in domestic cold-water systems at pressures of up
CANC 1000-0010		
(SABS 1809) Mine locomotive control systems		
Ed 2.00 A4 11p EN		Gr 6
Specifies the minimum safe operational locomotives covered under the auspices mining locomotives.	functionality, performance and testing rec of the relevant national authority. Provide	13.200; 45.020 juirements for mine locomotive control systems, excluding any es for fail-to-safe drive and mechanical braking control units for
SANS 1814:2007 (SABS 1814)	ant lamas	
Ed 1 02 A4 7n EN	ent lamps	Gr 5
PDF 7p EN		29.140.30
Specifies requirements for luminaires for exceeding 250 V. The d.c. supply could Am 1(National), 2002-06-28	r fluorescent lamps which are equipped w be a solar energy system. Am 2(National), 2007-09-07	ith electronic ballasts for use on d.c. supplies of rated voltage not
SANS 1815:2006		
(SABS 1815)	testes the state of the state o	
Servicing, repair and reconditioning o	of safes, strongroom doors, vault door	s and fire-resistant equipment
Ed 1.01 A4 9p EN PDF 9p FN		Gr 5
Specifies requirements for the servicing, Am 1(National), 2006-09-08	repair and reconditioning of safes, strong	groom doors, vault doors and fire-resistant equipment.
SANS 1816-2005		
Electricity supply - Quality of supply: Ed 1.00 A4 38p EN	Power quality instruments	Gr 10
PDF 38p EN		17.220.20
Specifies minimum requirements for measurement of each pow	asuring instruments used to check the qu wer quality parameter. Covers two classe	ality of power supply in an a.c. power system. Methods are s of measurement based on accuracy.
SANS 1817:2008 (2013-02-22) (SABS 1817)		
Work on glass for glazing		
Ed 1.01 A4 16p EN PDF 16p EN		Gr 7 01.040.81

Provides desciptions and illustrations of types of work on glass. Am 1(National), 2008-01-25
SANS 1819:2006		
(SABS 1819)		
Snatch blocks		
Ed 1.02 A4 13p EN PDF 13p EN		Gr 6
Specifies requirements for snatch blocks requirements for two types of snatch bloc Am 1(National), 2004-03-12	intended for use in conjunction with scrap ck, namely cast snatch blocks and fabrica Am 2(National), 2006-08-25	ber scoops in underground mining operations. Also specifies the ted snatch blocks.
SANS 1820:2006		
(SABS 1820)		
Reconditioned snatch blocks		
Ed 1.01 A4 10p EN PDF 10p EN		Gr 5
Specifies requirements for the reconditio Am 1(National), 2006-09-01	ning of snatch blocks to meet the requirer	nents of SANS 1819.
SANS 1822-2011		
(SABS 1822)		
Slide fasteners		
Ed 1.02 A4 30p EN		Gr 9
PDF 30p EN		61.040
Specifies requirements for four types and Am 1(National), 2008-12-05	d five performance classes of slide fastene Am 2(National), 2011-05-13	ers with individual metallic or synthetic teeth or spirals or coils.
SANS 1823:2007 (2012-12-14) (SABS 1823)		
Touch and close fasteners		
Ed 1.01 A4 14p EN		Gr 6
PDF 14p EN		61.040
Specifies requirements for touch and close Am 1(National), 2007-05-18	se fasteners.	
SANS 1824:2003		
Ed 1 00 A4 12p EN		Cr. 6
PDF 13p EN		53.020.30
Specifies the requirements for beam troll trolleys, mechanically propelled beam tro	leys (crawls) for lifting equipment of combi Illeys, and power driven beam trolleys.	ned beam trolley and chain block, manually propelled beam
SANS 1825:2010 (SABS 1825)		
Gas cylinder test stations - General re receptacles	quirements for periodic inspection and	testing of transportable refillable gas pressure
Ed 3.00 A4 25p EN		Gr 9
PDF 25p EN		23.020.30
Specifies minimum requirements for test cylinders used in firefighting applications	stations for transportable gas cylinders of . Excludes the testing of hand-held fire ex	water capacity 0,5 L to 3 000 L, including carbon dioxide gas tinguishers with an operating pressure less than 2 000 kPa.
SANS 1827:2012 (SABS 1827)		
The safety of water treatment chemica	Is for use in the food industry	
Ed 1.04 A4 11p EN PDF 11p EN		Gr 6 67.020; 71.100.80
Sets minimum requirements for safety of treated water or steam produced might c Am 1(National), 2000-02-25	f water treatment chemicals, intended for one into contact with food or food product Am 2(National), 2000-10-06	use in potable/process waters or boiler feed waters, where the ts. Am 3(National), 2009-03-13
Am 4(National), 2012-03-16		
SANS 1828:2005 (SABS 1828)		
Cleaning chemicals for use in the food	d industry	
Ed 1.03 A4 13p EN	-	Gr 6
PDF 13p EN		71.100.40
Specifies general requirements for clean cleaning chemicals, which are intended f	ing chemicals intended for use in the food or use in food processing equipment and	industry. Sets minimum requirements for the safety of such might come into contact with food products.
Am 1(National), 2000-10-06	Am 2(National), 2005-04-15	Am 3(National), 2005-09-09

Gr 5

SANS 1829:2005 (SABS 1829)

Ed 2.00 A4 10p EN

Lubricants for use in the food industry

PDF 10p EN

PDF 10p EN	67.020; 75.100
Specifies general requirements for lubricants intended for use in the food industry manufacture of these lubricants to ensure that when there is contact between the l occur.	and the quality management system requirements for the ubricants and the food no harmful effects to human beings
SANS 1830:2006 (SABS 1830)	
Flexible piping for underground use at service stations and consumer instan	
PDF 24p EN	23 040 01: 75 200
Specifies the requirements for flexible and semi-flexible pipework used undergrour Covers pipework used to convey liquid motor fuels and their hydrocarbon vapours suitable for use with diesel, leaded and unleaded petrol, and their associated addit Am 1(National), 2006-10-27	nd in service station forecourts and consumer installations. to and from underground storage. All pipework is expected to be ives.
SANS 1833:1977 / ISO 1833:1977 (2005-01-28) (SABS ISO 1833)	
Textiles - Binary fibre mixtures - Quantitative chemical analysis	
Ed 1.00 A4 20p EN PDF 20p EN	Gr 9 59.060.01
Contains methods for the quantitative chemical analysis of various binary mixtures in any textile form. Where certain textile forms are excepted, these are listed in the Am 1(International), 2005-01-28	of fibres. The methods given are applicable in general to fibres "field of application" clause of the individual method.
SANS 1833-1:2007 / ISO 1833-1:2006 (2011-05-13) Textiles - Quantitative chemical analysis Part 1: General principles of testing	
Ed 1.00 A4 26p EN	Gr 10
PDF 26p EN	59.060.01
Specifies a common method for the quantitative chemical analysis of various binar forms are excepted, these are listed in the scope of the appropriate part. Am 1(International), 2011-05-13	y mixtures of fibres in any textile form. Where certain textile
SANS 1833-2:2007 / ISO 1833-2:2006 (2012-03-30) Textiles - Quantitative chemical analysis Part 2: Ternary fibre mixtures	
Ed 1.00 A4 23p EN	Gr 10
PDF 23p EN	59.060.01
Specifies methods of quantitative chemical analysis of various ternary mixtures of	fibres.
SANS 1833-3:2007 / ISO 1833-3:2006 (2012-03-30) Textiles - Quantitative chemical analysis Part 3: Mixtures of acetate and certa	ain other fibres (method using acetone)
Ed 1.00 A4 7p EN	Gr 6
PDF ⁷ p EN	59.060.01
Specifies a method, using acetone, to determine the percentage of acetate, after r of acetate and wool, animal hair, silk, regenerated protein, cotton (scoured, kiered, cupro, viscose, modal, polyamide, polyester, acrylic and glass fibres. Is not applicate containing acetate fibres that have been deacetylated on the surface.	emoval of non-fibrous matter, in textiles made of binary mixtures or bleached), flax, hemp, jute, abaca, alfa, coir, broom, ramie, able to mixtures containing modacrylic fibres, nor to mixtures
SANS 1833-4:2007 / ISO 1833-4:2006 (2012-03-30) Textiles - Quantitative chemical analysis Part 4: Mixtures of certain protein a	nd certain other fibres (method using hypochlorite)
Ed 1.00 A4 7p EN	Gr 6
PDF 7p EN	59.060.01
Specifies a method, using hypochlorite, to determine the percentage of protein fibr mixtures of certain non-protein fibres and one protein fibre, such as wool, chemica fibres based on casein, and cotton, cupro, viscose, modal, acrylic, chlorofibres, po	e, after removal of non-fibrous matter, in textiles made of binary Ily treated wool, other animal-hair fibres, silk, regenerated protein Iyamide, polyester, polypropylene, glass and elastane.
SANS 1833-5:2007 / ISO 1833-5:2006 (2012-03-30)	
Textiles - Quantitative chemical analysis Part 5: Mixtures of viscose, cupro o	r modal and cotton fibres (method using sodium zincate)
Ed 1.00 A4 8p EN	Gr 6
РЫГ бр ЕМ	59.060.01
Specifies a method using sodium zincate to determine the percentage of viscose	cupro or modal fibre, after removal of non-fibrous matter, in

Specifies a method, using sodium zincate, to determine the percentage of viscose, cupro or modal fibre, after removal of non-fibrous matter, in textiles made of binary mixtures of viscose or most of the current cupro or modal fibres and raw, scoured, kiered or bleached cotton. Not applicable to mixtures in which the cotton has suffered extensive chemical degradation, nor when the viscose, cupro or modal fibre is rendered incompletely soluble by the presence of certain permanent finishes or reactive dyes that cannot be removed completely.

SANS 1833-6:2007 / ISO 1833-6:2007

Textiles - Quantitative chemical analysis Part 6: Mixtures of viscose or certain types of cupro or modal or lyocell and cotton fibres (method using formic acid and zinc chloride)

Ed 1.00 A4 8p EN PDF 8p EN

Specifies a method, using a mixture of formic acid and zinc chloride, to determine the percentage of cotton, after removal of non-fibrous matter, in textiles made of binary mixtures of viscose or some cupro, modal and lyocell fibres with cotton. If a cupro or modal or lyocell fibre is found to be present, a preliminary test is carried out to see whether it is soluble in the reagent. The method is not applicable to mixtures in which the cotton has suffered extensive chemical degradation, nor when the viscose, cupro, modal or lyocell fibre is rendered incompletely soluble by the presence of certain permanent finishes or reactive dyes that cannot be removed completely.

SANS 1833-7:2007 / ISO 1833-7:2006 (2012-03-30)

Textiles - Quantitative chemical analysis Part 7: Mixtures of polyamide and certain other fibres (method using formic acid)

Ed 1.00 A4 8p EN PDF 8p EN

Specifies a method, using formic acid, to determine the percentage of polyamide fibre, after removal of non-fibrous matter, in textiles made of binary mixtures of polyamide and cotton, viscose, cupro, modal, polyester, polypropylene, chlorofibre, acrylic or glass fibre. Is also applicable to mixtures with wool and animal hair, but when the wool content exceeds 25 %, the method described in ISO 1833-4 (published in South Africa as an identical adoption under the designation SANS 1833-4) should be used.

SANS 1833-8:2007 / ISO 1833-8:2006 (2012-03-30)

Textiles - Quantitative chemical analysis Part 8: Mixtures of acetate and triacetate fibres (method using acetone) Gr 6

Ed 1.00	A4 7p EN	
	PDF 7p EN	

Specifies a method, using acetone, to determine the percentage of acetate, after removal of non-fibrous matter, in textiles made of binary mixtures of acetate and triacetate fibres.

SANS 1833-9:2007 / ISO 1833-9:2006 (2012-03-30)

Textiles - Quantitative chemical analysis Part 9: Mixtures of acetate and triacetate fibres (method using benzyl alcohol) Ed 1.00 A4 7p EN Gr 6 PDF 7p EN 59.060.01

Specifies a method, using benzyl alcohol, to determine the percentage of acetate, after removal of non-fibrous matter, in textiles made of binary mixtures of acetate and triacetate fibres.

SANS 1833-10:2007 / ISO 1833-10:2006 (2012-03-30)

Textiles - dichloror	 Quantitative chemical analysis Part 10: Mixtures of triacetate or po methane) 	lylactide and certain other fibres (method using
Ed 1.00	A4 7p EN	Gr 6
	PDF 7p EN	50.060.01

Specifies a method, using dichloromethane, to determine the percentage of triacetate, after removal of non-fibrous matter, in textiles made of binary mixtures of triacetate or polylactide and wool, regenerated protein, cotton (scoured, kiered, or bleached), viscose, cupro, modal, polyamide, polyester, acrylic and glass fibres. Not applicable in the case of triacetate fibres which, having received a finish leading to partial hydrolysis, cease to be completely soluble in the reagent.

SANS 1833-11:2007 / ISO 1833-11:2006 (2012-03-30)

Textiles - Quantitative chemical analys	is Part 11: Mixtures of cellulose and polyester fibres (metho	d using sulfuric acid)
Ed 1.00 A4.7p EN	Gr 6	

	PDF /p EN					5	9.060.01	
_	 	 	 					

Specifies a method, using sulfuric acid, to determine the proportion of cellulose fibre, after removal of non-fibrous matter, in textiles made of mixtures of natural and regenerated cellulose fibres and polyester fibre.

SANS 1833-12:2007 / ISO 1833-12:2006 (2012-03-30)

Textiles - Quantitative chemical analysis Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres (method using dimethylformamide)

Ed 1.00 A4 8p EN PDF⁸0 EN

Specifies a method, using dimethylformamide, to determine the percentage of acrylic, modacrylic, chlorofibre or elastane, after removal of nonfibrous matter, in textiles made of binary mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and animal fibres, cotton (scoured, kiered or bleached), viscose, cupro, modal, polyamide, polyester or glass fibres. Is applicable to animal hair, wool and silk dyed with premetallized dyes, but not to those dyed with after-chrome dyes.

59.060.01

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SANS 1833-13:2007 / ISO 1833-13:2006 (2012-04-13)

Textiles - Quantitative chemical analysis Part 13: Mixtures of certain chlorofibres and certain other fibres (method using carbon disulfide/acetone) Gr 6

Ed 1.00 A4 8p EN PDF 8p EN

Specifies a method, using carbon disulfide/acetone, to determine the percentage of chlorofibre, after removal of non-fibrous matter, in textiles made of mixtures of certain chlorofibres, whether after-chlorinated or not, and wool, animal hair, silk, cotton, viscose, cupro, modal, polyamide, polyester, acrylic and glass fibres. When the wool or silk content of a mixture exceeds 25 %, the method described in ISO 1833-4 (published in South Africa as an identical adoption under the designation SANS 1833-4) should be used. When the polyamide content of a mixture exceeds 25 %, the method described in ISO 1833-7 (published in South Africa as an identical adoption under the designation SANS 1833-7) should be used.

SANS 1833-14:2007 / ISO 1833-14:2006 (2012-04-13)

Textiles - Quantitative chemical analysis Part 14: Mixtures of acetate and certain chlorofibres (method using acetic acid)

Ed	1.00	A4 7p EN
		PDF 7p EN

Specifies a method, using acetic acid, to determine the percentage of acetate, after removal of non-fibrous matter, in textiles made of mixtures of acetate and certain chlorofibres or after-chlorinated chlorofibres.

SANS 1833-15:2007 / ISO 1833-15:2006 (2012-04-13)

Textiles - Quantitative chemical analysis Part 15: Mixtures of jute and certain animal fibres (method by determining nitrogen content)				
Ed 1.00 A4 9p EN	Gr 6			
PDF 9p EN	59.060.01			
Specifies a method, by determining the nitrogen content, to calculat textiles made of binary mixtures of jute and animal fibres. The animat two, is not applicable to products in which dyestuffs or finishes cont	e the proportion of each component, after the removal of non-fibrous matter, in al-fibre component may consist solely of hair or wool, or of any mixtures of the ain nitrogen.			

SANS 1833-16:2007 / ISO 1833-16:2006 (2012-04-13)

Textiles -	 Quantitative chemical 	analysis Part 16: Mixtur	es of polypropylene fib	res and certain	other fibres (me	ethod using xylene)
Ed 1.00	A4 7p FN		(Gr 6		

Ed 1.00 A4 7p EN PDF 7p EN

Specifies a method, using xylene, to determine the percentage of polypropylene, after removal of non-fibrous matter, in textiles made of binary mixtures of polypropylene fibres and wool, animal hair, silk, cotton, viscose, cupro, modal, acetate, triacetate, polyamide, polyester, acrylic and glass fibres.

SANS 1833-17:2007 / ISO 1833-17:2006 (2012-04-05)

Textiles - Quantitative chemical analysis Part 17: Mixtures of chlorofibres (homopolymers of vinyl chloride) and certain other fibres (method using sulfuric acid) Ed 1.00 A4 8p EN Gr 6 PDF 8p EN

Specifies a method, using sulfuric acid, to determine the percentage of chlorofibres, after removal of non-fibrous material, in textiles made of binary mixtures of chlorofibres based on homopolymers of vinyl chloride (after-chlorinated or not) and cotton, viscose, cupro, modal, acetate, triacetate, polyamide, polyester, certain acrylic and certain modacrylic fibres. Can be used, particularly in place of the methods described in ISO 1833-12 and ISO 1833-13 (published in South Africa as identical adoptions under the designation SANS 1833-12 and SANS 1833-13), in all cases where a preliminary test shows that the chlorofibres do not dissolve completely either in dimethylformamide or in the azeotropic mixture of carbon disulfide and acetone.

SANS 1833-18:2007 / ISO 1833-18:2006 (2012-04-05)

Textiles - Quantitative chemical analysis Part 18: Mixtures of silk and wool or hair (method using sulfuric acid)

Ed 1.00	A4 8p EN	Gr 6
	PDF 8p EN	59.060.01

Specifies a method, using sulfuric acid, to determine the percentage of silk, after removal of non-fibrous matter, in textiles made of binary mixtures of silk and wool or animal hair.

SANS 1833-19:2007 / ISO 1833-19:2006 (2012-04-05)

Textiles - Quantitative chemical analysis Part 19: Mixtures of cellulose fibres and asbestos (method by heating)

Ed 1.00 A4 7p EN PDF 7p EN

Specifies a method, by heating, to determine the percentage of cellulosic fibre in textiles made of binary mixtures of cotton or regenerated cellulose and chrysotile and crocidolite asbestos.

SANS 1833-21:2007 / ISO 1833-21:2006 (2012-04-05)

Textiles - Quantitative chemical analysis Part 21: Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates and certain other fibres (method using cyclohexanone)

Ed 1.00	A4 10p EN	Gr 6
	PDF 10p EN	59.060.01

Specifies a method, using cyclohexanone, to determine the percentage of chlorofibre, modacrylic, elastane, acetate and triacetate, after removal of non-fibrous matter, in textiles made of binary mixtures of acetate, triacetate, chlorofibre, certain modacrylics, certain elastanes and wool, animal hair, silk, cotton, cupro, modal, viscose, polyamide, acrylic and glass fibre.

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Gr 6

59.060.01

Textiles - Quantitative chemical analysis Part 20: Mixtures of elastane and certain other fibres (method using dimethylacetamide)

Ed 1.00 A4 8p EN PDF 8p EN	Gr 6 59.060.01
Specifies a method using dimethylacetamide to determine the percentage of elasta binary mixtures of certain elastane fibres with cotton, viscose, cupro, modal, polyar when acrylic fibres are present.	ane, after removal of non-fibrous matter, in textiles made of mide, polyester or wool fibres. This method is not applicable
SANS 1833-24:2011 / ISO 1833-24:2010 Textiles - Quantitative chemical analysis Part 24: Mixtures of polyester and context tetrachloroethane)	ertain other fibres (method using phenol and
Ed 1.00 A4 8p EN PDF 8p EN	Gr 6 59.060.01
Specifies a method using phenol and tetrachloroethane to determine the percentage made of binary mixtures of certain polyester fibres with acrylic, polypropylene or an	ge of polyester after removal of non-fibrous matter in textiles amid fibres. This method is not applicable to coated fabrics.
SANS 1834:2005 (2010-06-17) (SABS 1834)	
Unsintered polytetrafluoroethylene (PTFE) tapes for engineering applications	3
Ed 1.01 A4 26p EN	Gr 9
PDF 26p EN	23.040.80; 83.140.01
Specifies requirements for the material, dimensions, and performance-related proparea in the range 25 grams per square metre to 300 grams per square metre (inclumm, suitable for use in applications that involve possible contact with most of the Am 1(National), 2005-05-27	perties of three grades of unsintered PTFE tape of mass per unit usive) and of thickness within the general range 0,05 mm to 0,25 common liquids and gases.
SANS 1835:2009 (SABS 1835)	
Ductile iron pipes, fittings, accessories and their joints, for use in high and lo	ow pressure systems for potable and foul water
Ed 1.01 A4 78p EN	Gr 13
PDF 78p EN	23.040.10; 23.040.99
Specifies requirements and associated test methods applicable to ductile iron pipe pipelines to convey water (for example, potable water, sewage), pipelines with or w ground. Am 1(National), 2009-10-23	es, fittings, accessories and their joints for the construction of vithout pressure, and pipelines to be installed below or above
SANS 1838-1:2007 (SABS 1838-1) Electronic self-indicating road vehicle mass measuring equipment for use by	y road traffic authorities Part 1: Non-automatic mass
measuring equipment for static mass measurement	
Ed 1.02 A4 39p EN	Gr 10
PDF 39p EN	17.060; 17.100
Specifies metrological and technical requirements for non-automatic electronic sel traffic authorities for static mass measurements. Gives requirements for metrologic road traffic legislation.	f-indicating mass measuring equipment that is used by road cal controls of mass measuring equipment used in terms of any
Am 1(National), 2007-01-19 Am 2(National), 2007-05-18	
SANS 1839:2000 (SABS 1839)	
Pre-diluted aqueous ethylene glycol base (40 % by volume, minimum) engine	e cooling system protector
Ed 1.01 A4 11p EN	Gr 7
PDF 11p EN	71.100.45
Covers the requirements for a pre-diluted aqueous ethylene glycol base (40 % by Cor 1(National), 2000-01-11	volume, minimum) engine cooling system protector.
SANS 1840:2009 (SABS 1840)	
Manufacture of measuring container bottles	
Ed 2.00 A4 20p EN	Gr 8
PDF 20p EN	17.060; 55.100
Applies to containers, commonly called measuring container bottles, made of glass metrological results that are as good as those obtained with glass containers, that L to 5,0 L, and that have metrological characteristics.	s, or of any other material that is rigid and stable enough to give are stoppered, that are of nominal capacity within the range 0,05

SANS 1833-20:2010 / ISO 1833-20:2009

SANS 18 (SABS 1	841:2008 841)		
Control	of the quantity of contents ir	n prepacked packages within the prescr	iptions of legal metrology legislation
Ed 2.00	A4 20p EN PDF 20p EN		Gr 8 17.060; 17.100; 55.020
Specifies	requirements for the contents	of prepacked packages of a quantity grea	ter than 5 g or 5 ml.
SANS 18	42:2005 (2010-06-04)		
High per	formance engine lubricating	oil for petrol engines (for API Service (Pategory SL)
		Join for petrol engines (for AFT Service (Gr 6
LU 2.00	PDF 12p EN		75.100
Covers o turbo cha	ne type of engine lubricating o arged), light duty trucks and he	il suitable for the crankcase lubrication of savy duty trucks that operate under API Se	spark-ignition engines of passenger cars (naturally aspirated or rvice Category SL.
SANS 18	843:2005 (2010-06-04)		
High per	formance engine lubricating	oil for diesel engines (for API Service (Category CI-4)
Ed 200	A4 12n FN		Gr 6
20 2.00	PDF 12p EN		75.100
Covers o compres: Cor 1(Na	ne type of engine lubricating o sion-ignition engines that oper tional), 2001-02-28	il suitable for the crankcase lubrication of late under the conditions described in API	neavy duty naturally aspirated, turbo-charged or super-charged Service Category CI-4.
SANS 18	44:2011		
(SABS 18	844)		
The test	ing of polypropylene woven	fabrics for use in flexible intermediate b	oulk containers (FIBCs) for non-dangerous goods
Ed 1.03	A4 12p EN PDF 12p EN		Gr 6 55.020; 59.080.01
Specifies Requiren	methods to be used to test ponents for resistance to UV deg	olypropylene woven fabrics for use in flexib radation are included.	le intermediate bulk containers for non-dangerous goods.
Am 1(Na	tional), 2005-08-26	Am 2(National), 2009-04-03	Am 3(National), 2011-11-18
SANS 18	45:2003		
Prefinish	ned sheet metal products for	r interior and exterior building application	ons
Ed 1.00	A4 26p EN		Gr 9
	PDF 26p EN		77.140.50
Specifies sides with metal pro	performance requirements for h an organic film, and are inter oducts into six types according	r prepainted and organic film/metal lamina nded for fabrication into products for use in to their performance and with respect to d	te products in sheet and strip form that are coated on one or both the construction or finishing of buildings. Classifies prefinished urability and aesthetics in environments of varying severity.
SANS 18 (SABS 18	348:2011 848)		
Geyser o	Irip trays		
Ed 1.05	A4 6p EN		Gr 4
	PDF 6p EN		91.140.65
Covers th Am 1(Na Am 4(Na	ne dimensional and constructional), 2002-03-15 tional), 2006-08-11	onal requirements for drip trays to be used Am 2(National), 2002-06-14 Am 5(National), 2011-08-05	for the installation of electric hot water storage water heaters. Am 3(National), 2003-11-14
SANS 18 (SABS 1)	349:2008 849)		
Butterfly	valves for general purposes	6	
۔ Ed 1.01	A4 23p EN		Gr 9
	PDF 23p EN		23.060.99
Specifies butterfly requirem Am 1(Na	the requirements for size, ratin valves with nominal pressure u ents for pressure testing, fire-t tional). 2008-05-09	ng,design, materials, marking and prepara up to PN 40 and up to class 300, in the nor ested designs and anti-static design, and g	ion for transport and storage of double flanged and wafer type ninal size (DN) range of DN 2000. It also specifies test given methods for pressure testing.
SANS 18	50:2003		
The desi	gn and manufacture of com	mercial kitchen extraction systems	
Ed 1.00	A4 13p EN		Gr 6
	PDF 13p EN		91.140.30; 97.040.01
Specifies	the requirements for the design	gn and manufacture of commercial kitchen	extraction systems

SANS 1851:2008 (SABS 1851) Lubricating grease	
Ed 1.01 A4 15p EN PDF 15p EN	Gr 7
Covers the perfomance requirements of four classes of lubricating grease, namely extreme pressure, automotive non-extreme pressure, and automotive and multi-pu all of which can contain suspended solid lubricants. Am 1(National), 2008-02-08	industrial non-extreme pressure, industrial high perfomance rpose extreme pressure, each in four consistency grades, and
SANS 1853:2009 (SABS 1853) Disinfectants and detergent-disinfectants for use in the food industry	
Ed 1.01 A4 12p EN PDF 12p EN	Gr 6 67.020; 71.100.35
Specifies general requirements for disinfectants and detergent-disinfectants intend the safety of such disinfectants and detergent-disinfectants, which are for use on for products. Am 1(National), 2009-05-15	ed for use in the food industry. It sets minimum requirements for bod processing equipment and might come into contact with food
SANS 1854:2005 (SABS 1854)	
The design and manufacture of trestles	Gr 5
PDF 10p EN	91.220
Specifies requirements for the design and manufacture of trestles for use as supported as a support of the second	rt structures for temporary platforms.
SANS 1857:2005 (2010-08-20) (SABS 1857)	
Copper alloy gate valves - Light duty	Cr 7
PDF 16p EN	23.060.30
Specifies the requirements for light duty copper gate valves (with screwed ends an and that are recommended for use at service temperatures up to and including 95 Am 1(National), 2005-04-08	d rising or non-rising stems) of nominal size 8 mm to 100 mm °C and working pressures up to 1 200 kPa.
SANS 1858:2007 (2012-12-07) (SABS 1858)	
Oil-spill dispersants	
Ed 1.01 A4 20p EN	Gr 8
Covers three types of oil-spill dispersant: Type 1: A dispersant using hydrocarbons undiluted form. Type 2: Water-dilutable concentrate, for use at sea after dilution of carrier. Type 3: A concentrate for use in undiluted form, the dispersant of choice for	vith low percentage of aromatics as a carrier, for use in 1:10 with sea water (water, alcohols or glycols are used as a r aerial spraying.
Am 1(National), 2007-05-04	
SANS 1860:2008 (SABS 1860) Wool packs for upprocessed wool	
Ed 1.01 A4 21p EN	Gr 8
PDF 21p EN	55.080
Specifies the requirements for two types of wool packs (nylon and high density poly Am 1(National), 2008-06-20	yethylene) for unprocessed wool.
SANS 1862:2003 (SABS 1862)	
Packaged water other than natural mineral water	0- 10
PDF 24p EN	Gr 10 13.060.20

Specifies the description, treatment, testing, packaging and labelling of water that is not natural mineral water. The water may be offered as packaged non-carbonated ("still") water or as packaged carbonated ("sparkling") water, with or without permitted substances. **Am 1(National), 2003-05-09**

SANS 1865:2006	
(SADS 1005) Point-of-use drinking water treatment units	
Ed 1.01 A4 10p EN	Gr 5
PDF 10p EN	13.060.20; 71.100.80
Covers performance and constructional requirements for point-of-use drinking water concentration in drinking water of substances that are considered to be potential here for potable usage of such water. Am 1(National), 2006-12-15	er treatment units intended to be used for lowering the ealth hazards or that might reduce the aesthetic attractiveness
SANS 1866:2008	
Surgical face masks	
Ed 1.01 A4 18p EN	Gr 7
PDF 18p EN	11.040.30; 13.340.30
Covers the materials and make of five types of face masks. Am 1(National), 2008-12-12	
SANS 1867:2003 (2012-04-13) Sprayed plastics foams for use in mines	
Ed 1.00 A4 11p EN	Gr 6
PDF 11p EN	73.020; 83.140
Gives the safety requirements for single-component and multi-component foams a refrigeration installations or for use as tamping.	oplied in mines for ventilation control, for the insulation of
SANS 1868:2002 (SABS 1868)	
Ed 1 00 A4 100 EN	Gr 6
PDF 10p EN	71.100.40
Specifies the requirements for a gel detergent cleaner, without abrasive properties, cleaning of stainless steel, aluminium, corrosion resistant metal, ceramic tiles, glas	not intended for normal dishwashing, but suitable for the s, poly-vinyl chloride and painted surfaces.
SANS 1869:2001 (SABS 1869)	
Chrome-tanned bend outer sole leather	
Ed 1.00 A4 8p EN	Gr 6
PDF 8p EN	59.140.35; 61.060
Specifies requirements for chrome-tanned, wax impregnated, bend outer sole leath	er.
SANS 1872:2002 (SABS 1872)	
Stationery - Marking pens for text highlighting	
Ed 1.00 A4 17p EN PDF 17p EN	Gr 7
Specifies constructional and performance requirements for marking pens used for t in a fibrous reservoir.	text highlighting. Applies to marking pens where the ink is stored
SANS 1873:2001	
(SABS 18/3)	
Ed 1 00 A4 9p EN	Gr 6
PDF 9p EN	59.140.35: 61.060
Specifies requirements for vegetable-tanned bend outer sole leather.	
SANS 1874:2011 / NRS 006:2011 (SABS 1874)	
Switchgear - Metal-enclosed ring main units for rated a.c. voltages above 1 k	V and up to and including 36 kV
Ed 2.01 A4 47p EN	Gr 12
PDF 47p EN	29.130.10
Chapting the characteristics of new factory accombind metal analysis wing main :	unite that are rated for use on a three phase apple system for

Specifies the characteristics of new, factory-assembled metal-enclosed ring main units that are rated for use on a three-phase cable system for rated a.c. voltages above 1 kV and up to and including 36 kV, and are designed for indoor or outdoor operation at a rated frequency of 50 Hz. **Am 1(National), 2011-05-20**

Specifies addresse the physi- assigned farm and	and defines the data elements, as well as the address types that can be s. Defines terms and definitions related to addresses in South Africa. Ap cal location of a point of service delivery, and addresses that could be ge by the official address issuing body (such as the street address type), as informal address types).	constructed from the data elements for South African plies to addresses covering the whole of South Africa. Desc o-referenced. Includes definitions for address types that are well as address types that are commonly in use (such as th
SANS 18	83-3:2009	
Geograp	hic information - Addresses Part 3: Guidelines for address allocation	n and updates
Ed 1.00	A4 22p EN	Gr 9
	PDF 22p EN	07.040; 35.240.70
Provides orientatio cadastre, updated i	guidelines for the allocation and maintenance of addresses for the officia n, advice and recommendations relating to the use of Part 1. It applies to including previously unaddressed areas. Specifies how addresses shoul n the case of name changes, boundary changes, subdivisions, and cons	I address types specified in Part 1 of this standard. It gives r any area where the development correlates with the underly d be arranged geographically and how addresses should be plidations.
SANS 18	84-1:2004	
Holding	pens for temporary housing of animals Part 1: Holding pens for wild	herbivores at auctions and in quarantine facilities
Ed 1.00	A4 27p EN	Gr 9
	PDF 27p EN	65.020.30; 65.040.10
Specifies construct pens for a	the minimum requirements for holding pens for wild herbivores at game ional and containment aspects, and does not cover animal management animals in zoos or abattoirs, or holding pens used for housing of trained e	auctions and in quarantine facilities. Concentrates on methods. Also does not cover temporary field pens, holding elephants.

Covers refined edible oils derived from oil seeds and oil bearing fruit. The oils are suitable for use as cooking oils and salad oils.

A standard land-cover classification scheme for remote-sensing applications in South Africa Ed 1.00 A4 17p EN Gr 7

Presents a standard hierarchical framework for the classification of remotely sensed data, designed to suit the South African environment. The framework is based on known land-cover feature types that can be derived from high-resolution remotely sensed data.

SANS 1878-1:2011

SANS 1875:2007 (SABS 1875) Edible oils

Ed 1.01 A4 12p EN

SANS 1877:2004

PDF 12p EN

PDF 17p EN

Am 1(National), 2007-02-23

South African spatial metadata standard Part 1: Core metadata profile				
Ed 1.01 A4 144p EN	Gr			
PDF 144p EN	07.			

Provides information about the extent, quality, spatial and temporal schema, spatial referencing and distribution of geographic data. Defines the core metadata profile. Is applicable to geographic data, and can also be used on maps, charts, text documents and non-geographic data. Am 1(National), 2011-12-09

SANS 1879:2011

(SABS 1879)	
Precast concrete suspended slabs	
Ed 1.02 A4 14p EN	Gr 6
PDF 14p EN	91,100.30

Covers the components of precast concrete suspended slabs of two different systems, hollow core slabs, and beam and infill block slabs as used in buildings and for floors and roofs.

Am 1(National), 2004-10-15

Am 2(National), 2011-08-05

SANS 1882:2003

Polymer concrete surface boxes, manhole and inspection covers, gully gratings and frames

Ed 1.00	A4 21p EN	Gr	8
	PDF 21p EN	93.	.080

Covers polymer concrete (reinforced plastic mortar) products for use as: a) manhole covers and frames; b) valve chambers and frames; c) surface boxes; and d) gully gratings.

SANS 1883-1:2009

Geographic information - Addresses Part 1: Data format of addresses

Ed 1.00 A4 73p EN PDF 73p EN

SA

SA

Standards South Africa Catalogue 2013 NUM - 247

NUMERICAL LIST OF STANDARDS

Gr 6

67.200

07.040; 35.240.70

18 040; 35.240.70

0.30

Gr 14 07.040; 35.240.70

NUMERICAL LIST OF STANDARDS		
SANS 1884-2:2007 Holding pens for temporary housing of animals Part 2: Vehicles for the trans other facilities	portation of wild herbivores by road to holding pens and	
Ed 1.00 A4 43p EN	Gr 12	
PDF 43p EN	65.020.30; 65.040.10	
This standard specifies the requirements for vehicles used for road transportation of detachable mass crates, individual animal crates and specialised vehicles. It does	of wild herbivores. It covers vehicles fitted with fixed or not cover the transportation of domestic livestock.	
SANS 1884-3:2008 Holding pens for temporary housing of animals Part 3: Vehicles for transport other facilities	tation of wild carnivores by road to holding pens and	
Ed 1.00 A4 43p EN PDF 43p EN	Gr 12 65 020 30: 65 040 10	
Specifies requirements for vehicles used for road transportation of wild carnivores management aspects during transportation.	to holding pens and other facilities. It also includes some animal	
SANS 1885:2012 / NRS 003:2011 (SABS 1885)		
AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV	and up to and including 36 kV	
Ed 2.02 A4 58p EN	Gr 12	
	29.130.10	
above 1 kV and up to and including 36 kV, for use on three-phase systems. Enclose Am 1(National), 2011-10-07 Am 2(National), 2012-12-14	switchgear panels for indoor installation, for rated a.c. voltages sures may include fixed and removable components.	
SANS 1887-1:2008 Tissue paper Part 1: General requirements		
Ed 1.00 A4 15p EN	Gr 7	
FDF 150 EN	85.080.20	
SANS 1887-2:2012 Tissue namer Part 2: Toilet paper	e paper and ussue paper products.	
Ed 1.01 A4 12p EN	Gr 6	
PDF 12p EN	85.080.20	
Covers four grades of creped toilet paper supplied in rolls, and their material and d requirements, and methods of test.	imensional requirements, inspection, packaging and marking	
SANS 1887-3:2008 Tissue paper Part 3: Facial tissues		
Ed 1.00 A4 10p EN	Gr 5	
PDF 10p EN	85.080.20	
Covers the material and dimensional requirements, inspection, packaging, marking facial hygiene.	g and methods of test for tissue paper, in sheet form, for use for	
SANS 1887-4:2008		
Ed 1 00. A4 12p EN	Gr 6	
PDF 12p EN	85.080.20	
Covers the construction, dimensional and physical requirements, inspection, packatowels, in rolls and in sheets, suitable for general and industrial purposes.	aging, marking and methods of test for two grades of paper	
SANS 1887-5:2008 Tissue paper Part 5: Disposable wiping paper (in rolls)		
Ed 1.00 A4 11p EN	Gr 6	
PDF 11p EN	85.080.20	
Covers the construction, dimensional requirements, inspection, packaging, marking intended for use as wiping paper in industrial, workshop, laboratory, office, agricult equipment need to be wiped, cleaned or dried.	g, and methods of test for three types of tissue paper in rolls, ural and other environments where hands and tools and other	
SANS 1887-6:2008		
Tissue paper Part 6: Paper dressing (medical) towels		
PDF 132p EN	85.080.20	

Covers the construction, dimensional and physical requirements, inspection, packaging, marking, and methods of test for disposable paper dressing (medical) towels of two-ply construction, in rolls or individually folded, for nursing applications such as hand drying and the protection of bed sheets during the dressing of wounds. The towels are not intended for sterilization purposes.

SANS 1887-7:2008 **Tissue paper Part 7: Paper serviettes** Ed 1.00 A4 11p EN Gr 6 PDF 11p EN 85.080.20 Covers the construction, dimensional and physical requirements, inspection, packaging, marking and methods of test for two types of paper serviettes. Type 1 intended for use as a soft absorbent dinner napkin and Type 2 primarily intended for use as a non-absorbent dinner napkin. SANS 1887-8:2008 Tissue paper Part 8: Paper-towel rolls for centre-feed dispensing devices Ed 1.00 A4 10p EN Gr 5 PDF 10p EN 85.080.20 Covers rolls of paper towels for centre-feed dispensing devices. SANS 1887-9:2008 Tissue paper Part 9: Wrappers for citrus and deciduous fruit Gr 5 Ed 1.00 A4 10p EN PDF 10p EN 85.080.20 Covers paper wrappers intended for citrus and deciduous fruit. SANS 1888:2011 (SABS 1888) Incandescent lamps for traffic signal lights Ed 1.02 A4 17p EN Gr 7 PDF 17p EN 29.140.01; 93.080.30 Covers requirements for the following incandescent lamps for traffic signal lights: extra low voltage lamps, 10 V with power rating 50 W, 40 V with power rating 25 W, and low voltage lamps, 220 V to 240 V with power rating 75 W. Am 1(National), 2007-08-17 Am 2(National), 2011-03-31 SANS 1891-1:2008 (2013-01-25) (SABS 1891-1) Performance requirements for clothing Part 1: Shirts Ed 1.01 A4 8p EN Gr 5 PDF 8p EN 61.020 Covers the performance requirements for component materials, workmanship, sewing, care-labelling and marking of shirts. Am 1(National), 2008-02-15 SANS 1896:2003 (2011-08-15) Candles, illuminating Ed 1.00 A4 8p EN Gr 5 PDF 8p EN 75 140 Specifies the requirements for candles suitable for illuminating purposes, but does not cover decorative candles. SANS 1900:2009 (SABS 1900) Monoplanar prefabricated timber roof trusses (nail-plated) Ed 1.02 A4 14p EN Gr 6 PDF 14p EN 79.040; 91.060.20 Specifies requirements for monoplanar prefabricated timber roof trusses assembled with nail plates. Am 1(National), 2004-02-27 Am 2(National), 2009-11-13 SANS 1903:2007 (2013-03-15) (SABS 1903) Safety requirements on suspended access equipment - Design calculations, stability criteria, construction - Tests Ed 1.01 A4 4p EN Gr 3 PDF 4p EN 53.020.99 Specifies additional and modified safety requirements for suspended access equipment. Applicable to both permanent and temporary equipment, which may be powered or hand operated. Am 1(National), 2007-01-26 SANS 1905:2007 Hydraulic brake and clutch fluid (DOT 3 and DOT 4) Ed 2.00 A4 29p EN Gr 9 PDF 29p EN 75 120

NUMERICAL LIST OF STANDARDS

Covers fluids of the non-petroleum and the non-silicone types suitable for use in automotive hydraulic brake and clutch systems fitted with rubber cups and seals made from natural rubber (NR), styrene-butadiene rubber (SBR), or a terpolymer of ethylene, propylene and a diene (EPDM).

SANS 1906:2012

Non-pressure paraffin stoves and heaters

Ed 3.01 A4 15p EN PDF 15p EN

Gr 7 97.040.99; 97.100.40

Covers the requirements for the construction, operation and safe use of paraffin fuelled appliances primarily intended for domestic use with a gauge pressure close to the burner < 2 kPa and with a maximum heat rating of 4,5 kW for a single burner. Am 1(National), 2012-06-01

SANS 1910:2009

Portable	refillable fire extinguishers	
Ed 1.02	A4 30p EN	Gr 9
	PDF 30p EN	13.220.20

Covers the principal requirements for the safety, reliability and performance of portable, stored pressure, refillable type fire extinguishers suitable for use on fires of classes A, B and C. Covers the requirements for water type, foam type and dry chemical powder type fire extinguishers. Does not cover the requirements for carbon dioxide fire extinguishers. Does not cover Halon type extinguishers. Does not cover the cartridge operated extinguisher.

Am 1(National), 2006-09-01	Am 2(National), 2009-07-31

SANS 1913:2008 κ

Kerosen	e for domestic heating and illuminating	
Ed 1.02	A4 9p EN PDF 9p EN	Gr 5 75.160.20

Specifies the requirements for a hydrocarbon fuel suitable for use in wick-fed, pressure vaporizing and other kerosene burning appliances for space heating, cooking and illumination. Am 2(National), 2008-01-25

Am 1(National), 2007-04-13

SANS 1914-1:2002 (2010-07-02)

Targeted construction procurement Part 1: Participation of targeted enterprises

Ed 1.00	A4 31p EN	Gr 10
	PDF 31p EN	91.010.01; 91.010.30

Specifies the general requirements for engaging targeted enterprises on a contract for the provision of supplies, services or works; it specifies the contract participation goal; it sets out the methods by which the contract participation goal will be measured, quantified and verified in the performance of the contract; and it describes the means by which:1) progress towards the achievement of the contract participation goal will be monitored;2) compliance with requirements will be verified and monitored; and 3) the contract participation goal will be adjusted to accommodate variations to the scope of the contract.

SANS 1914-2:2002 (2010-08-20)

Targeted construction procurement Part 2: Participation of targeted partners in joint ventures

Ed 1.00 A4 22p EN PDF 22p EN

Specifies the general requirements for engaging targeted partners in joint ventures on a contract for the provision of supplies, services or works; it specifies the contract participation goal; it sets out the methods by which the contract participation goal will be measured, quantified and verified in the performance of the contract; and it describes the means by which:1) progress towards the achievement of the contract participation goal will be monitored;2) compliance with requirements will be verified and monitored; and 3) the contract participation goal will be adjusted to accommodate variations to the scope of the contract.

SANS 1914-3:2002 (2010-07-02)

Targeted construction procurement Part 3: Participation of targeted enterprises and targeted partners in joint ventures

Ed 1.00 A4 30p EN

PDF 30p EN

Specifies the general requirements for engaging targeted joint venture partners and targeted enterprises on a contract for the provision of supplies, services or works; it specifies the contract participation goal; it sets out the methods by which the contract participation goal will be measured, quantified and verified in the performance of the contract; and it describes the means by which: 1) progress towards the achievement of the contract participation goal will be monitored;2) compliance with requirements will be verified and monitored; and 3) the contract participation goal will be adjusted to accommodate variations to the scope of the contract.

SANS 1914-4:2002 (2010-07-02)

Targeted construction procurement Part 4: Participation of targeted enterprises and targeted labour (local resources)

Ed 1.00	A4 21p EN	Gr 8
	PDF 21p EN	91.010.01; 91.010.30

Specifies the general requirements for engaging targeted enterprises or targeted labour (or both) on a contract for the provision of services or works; it specifies the contract participation goal; it sets out the methods by which the contract participation goal will be measured, quantified and verified in the performance of the contract; and it describes the means by which: 1) progress towards the achievement of the contract participation goal will be monitored;2) compliance with requirements will be verified and monitored; and 3) the contract participation goal will be adjusted to accommodate variations to the scope of the contract.

Gr 9

Gr 8

91.010.01; 91.010.30

91.010.01; 91.010.30

Gr 6

Gr 6

91.010.01; 91.010.30

SANS 1914-5:2002 (2010-07-02)

Targeted construction procurement Part 5: Participation of targeted labour

Ed 1.00 A4 11p EN PDF 11p EN

Specifies the general requirements for engaging targeted labour on a contract for the provision of services or works; it specifies the contract participation goal; it sets out the methods by which the contract participation goal will be measured, quantified and verified in the performance of the contract; and it describes the means by which:1) progress towards the achievement of the contract participation goal will be monitored;2) compliance with requirements will be verified and monitored; and 3) the contract participation goal will be adjusted to accommodate variations to the scope of the contract.

SANS 1914-6:2002 (2010-07-02) Targeted construction procurement Part 6: Participation of targeted enterprises in concession contracts

Ed 1.00 A4 29p EN Gr 9 PDF 29p EN 91.010.01; 91.010.30

Specifies the general requirements for engaging targeted enterprises on a contract for the design, construction, finance and operation of a facility; it specifies the contract participation goal; it sets out the methods by which the contract participation goal will be measured, quantified and verified in the performance of the contract; and it describes the means by which:1) progress towards the achievement of the contract participation goal will be monitored;2) compliance with requirements will be verified and monitored; and 3) the contract participation goal will be adjusted to accommodate variations to the scope of the contract.

SANS 1915:2003

Ed 1 00 A4 11p EN

Woven backfill bags and paddock curtains

	PDF 11p EN	55.080; 73.020
Covers	requirements for the materials and the manufacture of woven backfill bags	and paddock curtains for use in deep-level mining operations
Include	es requirements for fibre composition weave mass per unit area tensile st	renath permeability toxicity yarn linear density thickness of

SANS 1918:2011

Needleless connectors (sterile-packed for single patient use)

transfer tube walls, seam efficiency, style and make, size and support ties.

Ed 1.01	A4 21p EN	Gr 8
	PDF 21p EN	11.040.20

Covers requirements for unattached needleless connectors for use with 6% Luer mating systems which are sterile-packed for single patient use, and intended for general medical use with blood, blood derivatives and fluids other than blood. Am 1(National), 2011-02-04

SANS 1920:2009

Mixtures of copper azole compounds for timber preservation

d 1.01	1 A4 12p EN	Gr 6
	PDF 12p EN	71.100.50

Specifies the requirements for a concentrated mixture of copper azole compounds (in a liquid form) that, when diluted, is intended for use as a timber preservative.

Am 1(National), 2009-10-23

SANS 1921-1:2004 (2012-07-06)

Construction and management requirements for works contracts Part 1: General engineering and construction works

Ed 1.00	A4 25p EN	Gr 9
	PDF 25p EN	91.010.01; 91.0

Establishes generic general construction and management requirements, including planning, programme and method statements; materials, samples and fabrication drawings; site establishment; survey control; temporary works; existing services; health and safety requirements; environmental requirements; alterations, additions, extensions and modifications to existing works; inspection of adjoining properties; and attendance on nominated and selected subcontractors.

SANS 1921-2:2004 (2011-12-01)

Construction and management requirements for works contracts Part 2: Accommodation of traffic on public roads occupied by the contractor

Ed 1.00 A4 11p EN PDF 11p EN

Establishes generic construction, management and maintenance requirements for temporary deviations and detours, barricades and signs, and everything else that is necessary for the safe and easy passage of all public traffic during construction, the defects liability period, and the obliteration of temporary deviations as they become redundant.

SANS 1921-3:2004

Construction and management requirements for works contracts Part 3: Structural steelwork

Ed 1.00 A4 24p EN PDF 24p EN

Contains requirements for managing the fabrication and erection of structural steelwork including responsibilities for design and construction; planning, programme and method statements; materials, samples and fabrication drawings; quality assurance; drawings, information and calculations; equipment used to construct the works; site establishment; survey control and location of existing works; site operations; existing services; health and safety; environmental requirements; inspection of adjoining properties; and certificate of completion.

010.20

Gr 6

Gr 9 91.010.01: 91.010.20

91.010.01: 91.010.20

Construction and management requirements for works contracts Part 4: Th	ird-party management support in works contracts
Ed 1.00 A4 19p EN	Gr 8
Establishes requirements for construction management services, materials mana	91.010.01; 91.010.20 gement services or a combination of such services in engineering
and construction works contracts in which the employer appoints third parties to p	provide certain resources which a works contractor lacks.
SANS 1921-5:2004 (2011-12-15) Construction and management requirements for works contracts Part 5: Ea	rthworks activities which are to be performed by hand
Ed 1.00 A4 11p EN	Gr 6
PDF 11p EN	91.010.01; 91.010.20
Identifies earthworks activities and sub-activities which are performed by hand.	
SANS 1921-6:2004 (2011-12-15) Construction and management requirements for works contracts Part 6: HIV	//AIDS awarenees
Ed 1.00 A4 10p EN	Gr 5
PDF 10p EN	11.020; 91.010.01; 91.010.20
Establishes the means by which the risk of HIV spreading between and among co	onstruction workers and the local community can be reduced.
SANS 1922:2011 Acidic cleaners for the cleaning of acid-resistant sanitary ware	
Ed 1.03 A4 16p EN	Gr 7
PDF 16p EN	71.100.35
Specifies the requirements for two types of acidic cleaners. The cleaners are inte resistant sanitary ware. The cleaners are not intended for use on chrome surface resistant sanitary ware.	nded for use in removing encrustation and stains from acid- s, bathtubs, washbasins or other enamelled and non-acid
Am 1(National), 2006-03-03 Am 2(National), 2009-07-31	
SANS 1923:2008 (2012-12-07) Scouring compounds	
Ed 1.01 A4 13p EN	Gr 6
PDF 13p EN	71.100.40
Specifies the requirements for three types of scouring compounds used for the re Am 1(National), 2008-03-07	moval of tenacious soil from hard surfaces
SANS 1924:2007 (2012-12-07) Toilet soans intended for use in dispensers	
Fd 1.00 A4 11p EN	Gr 6
PDF 11p EN	71.100.40; 71.100.70
Covers gel and liquid toilet soaps for personal hygiene and that are suitable for us	se in their respective soap dispensers
CANC 1005-0009	
Uniform provisions concerning the approval for the production of retreaded trailers	I pneumatic tyres for commercial vehicles and their
Ed 1.01 A4 8p EN PDF 8p EN	Gr 5
Specifies national modifications to the requirements for the production of retreade trailers used on the road, as given in SANS 20109. Am 1(National), 2008-10-03	ed tyres intended to be fitted on commercial vehicles and their
SANS 1926-2008	
Uniform provisions concerning the approval for the production of retreaded	I pneumatic tyres for motor vehicles and their trailers
Ed 1.01 A4 6p EN	Gr 4
PDF 6p EN	83.160.10
Specifies requirements for the production of retreaded tyres intended to be fitted Am 1(National), 2008-10-03	on motor vehicles and their trailers used on the road.
SANS 1928:2009 / ISO 1928:2009	
(SABS ISO 1928)	
Solid mineral fuels - Determination of gross calorific value by the bomb calo	oritic method, and calculation of net calorific value
Eu 2.00 A4 66p EN PDF 66p EN	יו זט 75 160 10
Specifies a method for the determination of the gross calorific value of a solid mir 25 degrees Celcius in a bomb calorimeter calibrated by combustion of certified by	neral fuel at constant volume and at the reference temperature of

SANS 1921-4:2004 (2011-12-15)

SANS 1929:2011 Ambient air quality - Limits for common pollutants

Ed 2.00 A4 33p EN Gr 10 PDF 33p EN 13.040.20

Gives limit values for common air pollutants to ensure that the negative effects of such pollutants on human health are prevented or reduced. Limit values given in this standard are expressed for common pollutants as are permissible frequencies by which limit values may be exceeded.

SANS 1931:2012

Particle board - Highly moisture-resistant exterior type

Ed 1.01	A4 16p EN	Gr 7
	PDF 16p EN	79.060.20

Specifies the requirements for one type of particle board used in highly moisture-resistant exterior conditions. Am 1(National), 2012-12-07

SANS 1934:2004 (2010-10-01)

Live working - Portable equipment for earthing or earthing and short-circuiting - National modifications to international requirements Ed 1 00 A4 10n EN Gr 5

 1.00	
	PDF 10p EN

Specifies the national limitations on, and additions to, the international standard IEC 61230 (published in South Africa as an identical adoption under the designation SANS 61230) for portable earthing equipment for busbars and overhead lines. Applies to equipment for temporary earthing of electrically isolated transmission and distribution systems, for the protection of workers and operating personnel.

SANS 1935:2011

Automotive biodiesel - Fatty Acid Methyl Esters (FAME) for diesel engines - Requirements and test methods

Ed 2.00 A4 16p EN PDF 16p EN

Specifies requirements and test methods for marketed and delivered biodiesel to be used either as automotive fuel for diesel engines at 100 % concentration, or as an extender for automotive fuel for diesel engines in accordance with the requirements of SANS 342.

SANS 1936-1:2012

Development of dolomite land Part 1: General principles and requirements						
Ed 1.00	A4 24p EN	Gr 9				
	PDF 24p EN	07 060.				

Establishes qualitative and quantitative performance requirements for the safe use of dolomite land and provides the means by which compliance with such requirements may be determined.

SANS 1936-2:2012

Development of dolomite land Part 2: Geotechnical investigations and determinations

Ed 1.00	A4 34p EN								Gr 1	0			
	PDF 34p EN								07.06	60; 93	3.020		

Establishes requirements for feasibility-level geotechnical investigations, design-level investigations, the determination of the inherent hazard class of dolomite land, and inspection and verification during the implementation phase of a project on dolomite land.

SANS 1936-3:2012

Development of dolomite land Part 3: Design and construction of buildings, structures and infrastructure

Ed	1.00	A4 38p EN	
		PDF 38p EN	

Establishes requirements for the design and construction of permanent or temporary buildings, structures and infrastructure, including wet and dry engineering services, on dolomite land requiring precautionary measures to support sustainable development. It also applies to upgrading or maintenance of existing developments.

SANS 1936-4:2012

Development of dolomite land Part 4: Risk management

Ed 1.00 A4 25p EN Gr 9 PDF 25p EN 07.060; 13.020.30; 73.020; 93.020

Establishes requirements for the development of appropriate dolomite risk management systems to reduce the risks associated with developments, and for the provision of infrastructure on dolomite land to acceptable limits.

SANS 1937:2006 (2012-03-16)

Cosmetic products - Quantity and marking						
Ed 1.00	A4 13p EN	Gr 6				
	PDF 13p EN	17.020; 71.100.70				

Specifies the main quantity and marking requirements for cosmetic, toiletry and perfume preparations in South Africa.

13.260; 29.260.99

Gr 7

75.160.20

07.060; 73.020; 93.020

Gr 10

07.060; 93.020

Standards South Africa Catalogue 2013 NUM - 254

SANS 1952:2009 / ISO 1952:2008 Solid mineral fuels - Determination of extractable metals in dilute hydrochloric acid Ed 1.00 A4 13p EN Gr 7 PDF 13p EN 73.040: 75.160.10 Describes the extraction from solid mineral fuels by dilute hydrochloric acid and determination of extractable sodium, potassium, calcium, iron and magnesium SANS 1953:1994 / ISO 1953:1994 (2013-02-08) (SABS ISO 1953) Hard coal - Size analysis by sieving Ed 1.00 A4 17p EN Gr 8 PDF 17p EN 73.040 Specifies reference methods for the size analysis of coal by manual sieving (wet or dry), using test sieves of aperture sizes between 125 mm and 45 um. Applicable to all hard coals. In the case of pulverized coal which has been ground so that a high proportion passes through the test sieve of smallest aperture size, the methods described will determine only the percentage oversize. Am 1(National), 2007-09-21 SANS 1973-1:2007 Low-voltage switchgear and controlgear ASSEMBLIES Part 1: Type-tested ASSEMBLIES with stated deviations and a rated shortcircuit withstand strength above 10 kA Ed 1.00 A4 45p EN Gr 11 PDF 45p EN 29 130 20 Applicable to low-voltage switchgear and controlgear ASSEMBLIES that are type tested, that have stated deviations and a rated short-circuit withstand strength above 10 kA, are stationary or movable, that have a rated voltage not exceeding 1 000 V a.c. at frequencies not exceeding 50 Hz or 1 500 V d.c., that are intended for use in connection with the generation, transmission, distribution and conversion of electric energy and for the control of electric energy consuming equipment, that incorporate control equipment or power equipment (or both), and are designed for use under normal or special service conditions. SANS 1973-3:2008 Low-voltage switchgear and controlgear ASSEMBLIES Part 3: Safety of ASSEMBLIES with a rated prospective short-circuit current of up to and including 10 kA Ed 1.00 A4 23p EN Gr 9 PDF 23p EN 29.130.20 Applies to low-voltage switchgear and controlgear ASSEMBLIES that have a rated prospective short-circuit current of up to and including 10 kA, are stationary or movable, that have a rated voltage not exceeding 1 000 V a.c. at frequencies not exceeding 50 Hz, or 1 500 V d.c., that are intended for use in connection with the generation, transmission, distribution and conversion of electric energy and for the control of electric energy consuming equipment, and that are designed for use under normal conditions but excluding the use in explosive atmospheres where special requirements apply. SANS 1973-8:2008 Low-voltage switchgear and controlgear ASSEMBLIES Part 8: Safety of minimally tested ASSEMBLIES (MTA) with a rated shortcircuit current above 10 kA and a rated busbar current of up to and including 1 600 A a.c. and d.c. Ed 1.00 A4 40p EN Gr 10 PDF 40p EN 29.130.20 Applicable to low-voltage switchgear and controlgear assemblies that are subjected to minimum tests for verifying the safety of the ASSEMBLY; that have a rated prospective short-circuit current above 10 kA and a rated busbar current of up to and including 1 600 A a.c. and d.c.; that are stationary or movable; that have a rated operational voltage not exceeding 1 000 V a.c.; that are intended for use in connection with the generation, transmission, distribution and conversion of electric energy; that incorporate control equipment, or power equipment (or both); and are designed for use under normal conditions but excluding the use in explosive atmospheres where special requirements apply.

Conveyor chains, attachments and sprockets Ed 1.00 A4 21p EN

interchangeability of complete chains and individual links for repair purposes.

SANS 1977:2006 / ISO 1977:2000

PDF 21p EN 53.040.20 Specifies the characteristics of bush, plain and flanged roller chains of both solid and hollow bearing pin types designed for general conveying and mechanical handling duties, together with associated chain sprockets and attachments. The chain dimensions specified in this standard will ensure

Gr 9

01.020; 01.080.99

Deals with monolingual and multilingual, general and specialized dictionaries. Specifies a formal generic structure independent of the publishing media and proposes a means of presenting entries in print and electronic dictionaries. Explains the relationship between the formal structure and the presentation of entries used by publishers and read by users.

NUMERICAL LIST OF STANDARDS

Presentation/representation of entries in dictionaries - Requirements, recommendations and information

Ed 1.00 A4 84p EN PDF 84p EN

SANS 1951:2008 / ISO 1951:2007 (2013-01-18)

Gr 22

SANS 2001-BE1:2008	
Ed 1.00. A4.200 EN	Gr 8
PDF 20p EN	93.020
Establishes construction requirements for the excavation, filling, compaction and fi structures, terracing, landscaping and private railway sidings, carried out with heav hand.	inishing of general excavations for buildings, bridges and y construction equipment or light construction equipment, or by
SANS 2001-BE3:2012	
Construction works Part BE3: Repair of sinkholes and subsidences in dolor	nite land
Ed 1.00 A4 21p EN	Gr 8
	93.020
Describes standard requirements for the repair of sinkholes and subsidences in do	blomite land.
SANS 2001-BS1:2008 Construction works Part BS1: Site clearance	
Ed 1.00 A4 13p EN	Gr 6
PDF 13p EN	93.020
Establishes construction requirements for the removal of vegetation and surface a clearing out of existing hydraulic structures and the improvement of sight distances	nd subsurface obstructions from any construction site, the s on roadways.
SANS 2001-CC1:2012	
Construction works Part CC1: Concrete works (structural)	0- 10
PDF 66p EN	Gr 13 91 100 30
Establishes construction requirements for the structural use of concrete in building	is and structures where the design and supervision of reinforced
prestressed and precast concrete are under the direct control of appropriately qual Am 1(National), 2012-05-18	ified engineers and technologists.
SANS 2001-CC2:2007	
Construction works Part CC2: Concrete works (minor works)	
Ed 1.00 A4 22p EN	Gr 8
PDF 22p EN	91.100.30
Establishes requirements for concrete works in foundations, slabs, stairways, mas septic tanks and the like, where the design and supervision of plain, reinforced and appropriately qualified engineers and technologists and no special finishes to the o	onry walls, pipelines, manholes, latrines, conservancy tanks, d precast concrete are not necessarily under the direct control of concrete are required.
SANS 2001-CG1:2007	
Construction works Part CG1: Installation of glazing in window and door frame	mes
Ed 1.00 A4 11p EN PDF 11p EN	Gr 6
Establishes construction requirements for the installation of glass and polycarbons	o1.040.20, 91.000.30
materials, preparations, fixing with timber beads, glazing with putty, and glazing wi	th materials other than putty.
SANS 2001-CM1:2012 Construction works Part CM1: Masonry walling	
Ed 1.01 A4 62p EN	Gr 13
PDF 62p EN	91.080.30
Covers the construction of masonry walling by using units manufactured from clay Am 1(National), 2012-04-13	, calcium silicate and concrete.
SANS 2001-CM2:2011	
Construction works Part CM2: Strip footings, pad footings and slab-on-the-g	round foundations for masonry walling
Ed 1.00 A4 18p EN	Gr 7
Establishes construction requirements for strip footings, pad footings and slab-on- construction of lightly loaded concrete surface beds.	the-ground foundations to receive masonry walling, and the
SANS 2001-CS1-2012	
Construction works Part CS1: Structural steelwork	
Ed 1.01 A4 39p EN	Gr 10
PDF 39p EN	91.080.10; 93.010
Covers structural steelwork for buildings and other structures, excluding bridges, o draglines, cranes, etc), mine shaft steelwork (buntons and guides) and mining con Am 1(National) , 2012-02-24	ffshore structures, mobile equipment (stackers, reclaimers, veyances.

NUMERICAL LIST OF S	TANDARDS
SANS 2001-CT1:2011	
Construction works Part CT1: Structural timberwork (flooring)	Cr. 7
PDF 18p EN	91.060.30
Establishes construction requirements for the installation of suspended timber floor Am 1(National), 2011-10-14	rs in buildings.
SANS 2001-CT2:2011	
Construction works Part CT2: Structural timberwork (roofing)	
Ed 1.02 A4 33p EN PDF 33p EN	Gr 10
Covers the construction of timber roof assemblies in buildings. Includes the manufarequirements of SANS 10400, the erection of prefabricated timber trusses, the erection battens, and the fixing of brandering to roofing members to support ceilings that co	acture of bolted trusses that are designed in accordance with the ction of rafters and purlin rafters, the fixing of purlins and mprise gypsum plasterboard, fibre-cement board or similar
boards. Am 1(National), 2009-04-24 Am 2(National), 2011-10-14	
SANS 2001-DP1:2011	
Construction works Part DP1: Earthworks for buried pipelines and prefabrica	Ited culverts
PDF 28p EN	93.020
Covers earthworks for trenches for all types and sizes of buried pipelines, ducts, ca preparation of trench bottoms, bedding, backfilling and reinstatement of surfaces.	ables and prefabricated culverts, including excavation,
Construction works Part DP2: Medium pressure pipelines	
Ed 1.00 A4 46p EN	Gr 11
PDF 46p EN	23.040.01; 93.020
Covers the supply and installation of pipelines of diameter up to 1 000 mm, comple working pressures of up to 2,5 MPa.	te with ancillary works, for transporting water and sewage under
SANS 2001-DP3:2010	
Ed 1.00 A4 18p EN	Gr 7
PDF 18p EN	29.120.10; 93.020
Covers the supply, and the laying and bedding in trenches, of pipes of diameter no electric power cables.	t exceeding 160 mm as ducts for the protection of telephone and
SANS 2001-DP4:2010	
Construction works Part DP4: Sewers	Cr. 10
PDF 34p EN	91.140.80; 93.020
Covers the general construction requirements for sewerage systems, including con mains, pump stations, treatment works, and ancillary works.	necting sewers and manholes, but excluding sewer rising
SANS 2001-DP5:2010	
Construction works Part DP5: Stormwater drainage	
Ed 1.00 A4 22p EN PDF 22p EN	Gr 8 91 140 60: 91 140 80: 93 020
Establishes construction requirements for stormwater drainage systems and ancilla	ary works.
SANS 2001-DP6:2012 Construction works Part DP6: Below-ground water installations	
Ed 1.01 A4 31p EN	Gr 10
PDF 31p EN	93.030
Covers the construction of water pipelines of diameter up to 160 mm from a water i specified points on erven. Am 1(National), 2012-12-14	reticulation main to the boundaries of individual erven or other
SANS 2001-DP8:2011	
Construction works Part DP8: Pipe jacking	
Ed 1.00 A4 17p EN PDF 17p EN	Gr 7
Covers the insertion, by jacking, of pipelines of diameter not exceeding 3 m under with the normal flow of traffic.	roads and railways, without disturbing the surface or interfering

Standards South Africa Catalogue	2013
NUM - 257	

SANS 2	001-EM1:2007	
Constru	ction works Part EM1: Cement plaster	
Ed 1.00	A4 16p EN PDF 16p EN	Gr 7 91.010; 91.100.10
Establish materials	nes construction requirements for the appl s, plaster mixes, surface preparation and p	ication of cement plaster to masonry and concrete surfaces. It also e plastering.

Establishes construction require establishes requirements for materials, plaster mixes, surfac

SANS 2041:2009 / ISO 2041:2009

Mechanical vibration, shock and condition monitoring - Vocabulary

Ed 1.00	A4 53p EN	Gr 13
	PDF 53p EN	01.040.17; 17.160

Defines terms and expressions unique to the areas of mechanical vibration, shock and condition monitoring.

SANS 2060:1994 / ISO 2060:1994 (2012-03-30) (SABS ISO 2060)

Textiles ·	- Yarn from packages -	Determination of linear density (mass per unit length) by the skein method
Ed 1.00	A4 16p EN	Gr 8

Ed 1.00) A4 16p EN	
	PDF 16p EN	

Specifies a method for the determination of the linear density of all types of yarn in package form. It includes seven optional procedures based on different methods of conditioning and preparation. While designed solely for the determination of mass per unit length of yarn, it is frequently desirable to combine this determination with tests for strength and/or tests for commmercial mass.

59.080.20

Am 1(National), 2006-04-07

SANS 2061:2011 / ISO 2061:2010

(SABS ISO 2061)

Textiles - Determination of twist in yarns - Direct counting method

Ed 2.00	A4 17p EN	Gr 8
	PDF 17p EN	59.080.20

Specifies a method for the determination of the direction of twist in yarns, the amount of twist in terms of turns per unit length, and the change in length on untwisting, by the direct counting method.

SANS 2062:2010 / ISO 2062:2009

(SABS ISO 2062) Textiles - Yarns from packages - Determination of single-end breaking force and elongation at break using constant rate of extension (CRE) tester

Ea 2.00	A4 ISP EN	Grð
	PDF 15p EN	59.080.20

Specifies four methods for the determination of the breaking force and elongation at break of textile yarns taken from packages.

SANS 2063:2008 / ISO 2063:2005 (SABS ISO 2063)

Thermal	spraying - Metallic and other inorganic coatings -	Zinc, aluminium and their alloys
Ed 2.00	A4 19p EN	Gr 9
	PDF 19p EN	25 220 40

Applies to thermal-sprayed metallic coatings for the protection of iron and steel against corrosion by applying zinc or aluminium or their alloys to uncoated surface to be protected.

SANS 2064:2008 / ISO 2064:1996

(SABS ISO 2064) Metallic and other inorganic coatings - Definitions and conventions concerning the measurement of thickness

Ed 2.00 A4 7p EN PDF 7p EN

Defines terms concerning the measurement of the thickness of metallic and other inorganic coatings on any substrate. Specifies some general rules to be followed in the measurement of minimum thickness of coatings.

Lists the generic names used to designate the different categories of man-made fibres currently manufactured on an industrial scale for textile and

SANS 2076:2010 / ISO 2076:2010

(SABS ISO 2076) Textiles - Man-made fibres - Generic names

Ed	2 00	4 1 20 EN	
Eu	2.00	A4 ISP EN	
		PDF 13n FN	

other purposes, together with the distinguishing attributes that characterize them.

Gr 6 01.040.17; 17.040.20

01.040.59; 59.060.20

NUMERICAL LIST OF STANDARDS

Gr 7

SANS 2081:2011 / ISO 2081:2008 (SABS ISO 2081) Metallic and other inorganic coatings - Electroplated coatings of zinc with supplementary treatments on iron or steel Ed 2.00 A4 22p EN Gr 9 PDF 22p EN 25.220.40 Specifies requirements for electroplated coatings of zinc with supplementary treatments on iron or steel. It includes information to be supplied by the purchaser to the electroplater, and the requirments for heat treatment before and after electroplating. SANS 2082:2011 / ISO 2082:2008 (SABS ISO 2082) Metallic and other inorganic coatings - Electroplated coatings of cadmium with supplementary treatments on iron or steel Ed 2.00 A4 22p EN Gr 9 PDF 22p EN 25.220.40 Specifies the requirements of electroplated coatings of cadmium with supplementary treatments on iron and steel. It includes information that is to be supplied by the purchaser to the electroplater, and describes coating requirements, including those for heat treatment before and after electroplating. SANS 2093:1986 / ISO 2093:1986 (2007-02-23) (SABS ISO 2093) Electroplated coatings of tin - Specification and test methods Ed 1.00 A4 12p EN Gr 8 PDF 12p EN 25 220 40 Specifies requirements for electroplated coatings of nominally pure tin on fabricated metal articles. The coatings may be dull or bright as electroplated or may be flow-melted by fusion after electroplating Am 1(National), 2007-02-23 SANS 2106:1982 / ISO 2106:1982 (2007-02-16) (SABS ISO 2106) Anodizing of aluminium and its alloys - Determination of mass per unit area (surface density) of anodic oxide coatings - Gravimetric method Ed 1.00 A4 6p EN Gr 6 PDF 6p EN 25.220.20 Specifies a gravimetric method of determining the mass per unit area (surface density) of anodic oxide coatings on aluminium and its alloys. Am 1(National), 2007-02-16 Am 1(International), 2007-02-16 SANS 2108:2005 / ISO 2108:2005 (2011-02-24) Information and documentation - International Standard Book Number (ISBN) Ed 1.00 A4 28p EN Gr 10 PDF 28p FN 01.140.20 Covers the specifications for the international standard book number (ISBN) as a unique international identification system for each product form or edition of a monographic publication published or produced by a specific publisher. Specifies the construction of an ISBN, the rules for its assignment and use, the metadata to be associated with the ISBN allocation, and the administration of the ISBN system. SANS 2135:2011 / ISO 2135:2010 (SABS ISO 2135) Anodizing of aluminium and its alloys - Accelerated test of light fastness of coloured anodic oxidation coatings using artificial light Ed 2.00 A4 9p EN Gr 6 PDF 9p EN 25.220.20 Specifies an accelerated test method for assessing the fastness, using artificial light, of coloured anodic oxidation coatings on aluminium and its allovs. SANS 2143:1981 / ISO 2143:1981 (2007-02-16) (SABS ISO 2143) Anodizing of aluminium and its alloys - Estimation of loss of absorptive power of anodic oxide coatings after sealing - Dye spot test with prior acid treatment Ed 1.00 A4 7p EN Gr 8 PDF 7p EN 25.220.20 Specifies a method of estimating, by dye absorption after acid pretreatment, the loss of absorption power of anodic oxide coatings that have undergone a sealing treatment. Am 1(National), 2007-02-16 SANS 2146:2010 / ISO 2146:2010 Information and documentation - Registry services for libraries and related organizations Ed 1.00 A4 82p EN Gr 15 PDF 82p EN 01.140.20 Establishes the rules for registries operating in a network environment to provide the information about collections, parties, activities and services needed by libraries and related organizations to manage their collections and deliver information and documentation services across a range of applications and domains.

NUMERICAL LIST OF STANDARDS

SANS 2177:2008 / ISO 2177:2003 (SABS ISO 2177) Metallic coatings - Measurement of coat	ting thickness - Coulometric method k	by anodic dissolution
Ed 2.00 A4 19p EN PDF 19p EN	0	Gr 9
Specifies a coulometric method by anodic example Cu-Ni-Cr.	dissolution for measuring the thickness of	of metallic coatings. Also applicable to multi-layer systems, for
SANS 2178:1982 / ISO 2178:1982 (2007-0	02-23)	
Non-magnetic coatings on magnetic sul	bstrates - Measurement of coating thi	ckness - Magnetic method
Ed 1.00 A4 9p EN PDE 9p EN		Gr 7
Specifies the method of using coating thick magnetic coatings (including vitreous and pspecimens. Am 1(National), 2007-02-23	kness instruments of the magnetic type for porcelain enamel coatings) on magnetic	or non-destructive measurements of the thickness of non- basis metals. Applies only for measurements on reasonably flat
SANS 2179:1986 / ISO 2179:1986 (2007-0	02-23)	
Electroplated coatings of tin-nickel allo	y - Specification and test methods	
Ed 1.00 A4 11p EN PDF 11p EN		Gr 8 25.220.40
Specifies requirements for electroplated co (m/m) nickel. Am 1(National), 2007-02-23	patings of the intermetallic compound Sn	Ni, with a composition of approximately 65% (m/m) tin and 35%
SANS 2200:2010 / CISPR 20:2006 Sound and television broadcast receive	ers and associated equipment - Immur	ity characteristics - Limits and methods of
Ed 2 00 A4 89p EN		Gr 15
PDF 89p EN		33.100.20
Applies to television broadcast receivers, s light industrial environment. Describes the associated equipment with regard to their i home (DTH) satellite receiving systems for	sound broadcast receivers and associate methods of measurement and specified immunity characteristics to disturbing sig r individual reception.	d equipment intended for use in the residential, commercial and limits applicable to sound and television receivers and to nals. Also applies to the immunity of outdoor units of direct to
SANS 2220-1-1:2013 (SABS 2220-1.1)		
Electrical security systems Part 1.1: Intr	ruder alarm systems - General require	ments
Ed 1.03 A4 12p EN PDF 12p EN		Gr 6
Covers the general requirements for detection	tors intended to be used in intruder alarn	13.310 n systems installed in buildings
Am 1(National), 2002-03-08	am 2(National), 2006-12-08	Am 3(National), 2013-02-08
SANS 2220-1-6:2007 (SABS 2220-1.6) Electrical security systems Part 1.6: Intr Ed 1 01 A4 4p EN	ruder alarm systems - Passive glass-b	reak detectors for use in buildings
PDF 4p EN		13.310
IEC 60839-2-7:1994, NEQ		e installed in huildinge
Am 1(National), 2007-01-26	nded to be used in intruder alarm system	is installed in buildings.
SANS 2220-1-7:2006 (SABS 2220-1.7)		
Electrical security systems Part 1.7: Intr	ruder alarm systems: Power units	0- F
Ea 1.01 A4 8p EN PDF 8p EN		Gr 5 13.310
Covers general requirements, test methods buildings.	s and performance criteria for electrical p	power units for use as part of intruder alarm systems installed in

Am 1(National), 2006-01-27

SANS 2220-1-8:2006		
(SABS 2220-1.8)	Environmental testing	
Ed 1.02 A4 24p EN		Gr 9
PDF 24p EN		13.310; 19.040
Lays down certain environmental test m Am 1(National), 2002-02-15	nethods to be used for testing components Am 2(National), 2006-01-27	of a security system.
SANS 2220-2-1:2005 (SABS 2220-2.1)		
Electrical security systems Part 2-1:	Access control systems: General charac	steristics
Ed 1.01 A4 10p EN PDF 10p EN		Gr 5
Specifies the general characteristics of Am 1(National), 2005-01-14	access control systems.	10.010, 00.100
SANS 2220-2-2:2005 (2011-03-04) (SABS 2220-2.2)		
Electrical security systems Part 2-2:	Access control systems: Central proces	sor
Ed 1.01 A4 11p EN		Gr 6
		13.310; 35.160
Am 1(National), 2005-03-18	processors for use as part of access contro	l systems.
SANS 2220-2-3:2005 (2011-03-04) (SABS 2220-2.3)		
Electrical security systems Part 2-3:	Access control systems: Card readers	Gr 5
PDF 9p EN		13.310; 35.180
Specifies the characteristics of card rea sensor for magnetic spot cards or magn current and inductive: coded foil senso Am 1(National), 2005-06-03	Iders using the following technologies: wie hetic stripe cards, proximity: magnetic or r r.	gand: magnetic, infra-red: optic sensor, magnetic: magnetic adio frequency field sensor, intelligent: direct contact or induced
SANS 2220-2-4:2005 (2011-03-04) (SABS 2220-2.4)		
Electrical security systems Part 2.4:	Access control systems: Reader control	lers
Ed 1.01 A4 10p EN PDF 10p FN		Gr 5
Specifies the characteristics of reader of	controllers intended to be used in access co	ontrol systems.
SANS 2220-2-5:2005 (2011-03-04)		
(SABS 2220-2.5)	Assess control customer Dismetric read	
Electrical security systems Part 2-5:	Access control systems: biometric read	Gr 5
PDF 10p EN		13.310; 35.180
Specifies the characteristics of biometri Am 1(National), 2005-06-10	c readers intended to be used in access co	ontrol systems.
SANS 2220-2-6:2005 (2011-03-04) (SABS 2220-2.6)		
Electrical security systems Part 2-6:	Access control systems: Access cards	
Ed 1.01 A4 9p EN PDF 9p EN		Gr 5 13 310: 35 220 99
Specifies the characteristics of access Am 1(National), 2005-06-24	cards intended to be used in access contro	l systems.
SANS 2220-2-7:2005 (2011-03-04)		
Electrical security systems Part 2.7:	Access control systems: Barriers	
Ed 1.02 A4 17p EN	-	Gr 7
PDF 17p EN		13.310
Specifies the characteristics of barriers Am 1(National), 2002-03-08	intended to be used in access control syste Am 2(National), 2005-06-24	ems.

Rubber products - Guidelines for storage	
Ed 1.00 A4 17p EN PDF 17p EN	Gr 8 83.060
Gives guidelines for the inspection, recording procedures, packaging and storage or thermoplastic rubber prior to being put into circulation.	e of products, assemblies and components made from vulcanized
SANS 2262:1984 / ISO 2262:1984 (2010-12-09) (SABS ISO 2262)	
General purpose thimbles for use with steel wire ropes - Specification	
Ed 1.00 A4 6p EN	Gr 5
PDF 6p EN	21.060.70
Specifies the requirements for general purpose thimbles suitable for use with ste (N/mm) and with diameters from 4 mm to 60 mm. Does not apply to thimbles for Am 1(National), 2001-12-07 Am 2(National), 2005-09-09	el wire ropes, having a maximum tensile grade of 1 770 MPa use with fibre ropes or to reeving thimbles and solid thimbles.
SANS 2306:1993 / MPT 1306:1993 (2008-07-25) (SABS MPT 1306)	
Continuous tone controlled signalling system (CTCSS) for use in the land n	nobile services - Performance specification
Ed 1.00 A4 14p EN	Gr 8
PDF 14p EN	33.070.10
Covers the minimum performance considered necessary in order to make the be operated in the land mobile services with radio equipment using amplitude or any facilitate channel sharing by more than one user or to enable base station equipment Am 1(National), 2008-07-25	st use of the available frequencies. Applies to any CTCSS gle modulation where the purpose of the system is typically to nents to be selectively operated in a 'talkthrough' mode.
SANS 2313:2008 / ISO 2313:1972	
Textile fabrics - Determination of the recovery from creasing of the horizon	ally folded specimen by measuring the angle of recovery
Ed 1.00 A4 7p EN	Gr 6
PDF 7p EN	59.080.30
Specifies a method for determining the angle of recovery of fabrics from creasing	l.
SANS 2327:1991 / MPT 1327:1991 (2008-06-27) (SABS MPT 1327)	
A signalling standard for trunked private land mobile radio systems	
Ed 1.00 A4 296p EN PDF 296p EN	Gr 22 33.070.10
Defines the protocol rules for communication between a trunking system controll variety of systems, from small systems with only a few radio channels (even sing the interconnection of TSCs. Am 1(National), 2008-06-27	er (TSC) and users' radio units. Can be used to implement a wide le-channel systems), to large networks which may be formed by
SANS 2328:2009 / ISO 2328:2007	
Fork-lift trucks - Hook-on type fork arms and fork arm carriages - Mounting	dimensions
Ed 2.00 A4 10p EN	Gr 5
PDF 10p EN	53.060
Specifies the dimensions of, and additional requirements for, fork carriers and ho arms or other attachments (or both), relative to the truck-rated capacity and fork	ok-on type fork arms, to permit the interchangeability of these fork arm type, on fork-lift trucks up to and including 10 999 kg.
SANS 2330:2007 / ISO 2330:2002 Fork-lift trucks - Fork arms - Technical characteristics and testing	
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	53.060
Specifies manufacturing, testing and marking requirements for solid-section fork These include, but are not limited to, hook, shaft or pin, bolt-on and roller type for the purchaser, these requirements may also be applied to fork arms not intended	arms, for quantity production and with all types of mounting. k arms. By agreement between the fork arm manufacturer and I for quantity manufacture.
SANS 2343:1991 / MPT 1343:1991 (2008-08-15) (SABS MPT 1343)	
System interface specification for radio units to be used with commercial tr	unked networks operating in Band III sub-bands 1 and 2
Ed 2.00 A4 222p EN	Gr 21
PDF 222p EN	33.060.20
Covers the minimum performance requirements for radio units used with commeAm 1(National), 1995-10-09Am 2(National), 2008-08-15	rcial trunked networks operating in band III, sub-bands 1 and 2.

SANS 2230:2003 / ISO 2230:2002 (2009-03-27)

SANS 2347:1991 / MPT 1347:1991 (2008-09-05) (SABS MPT 1347)	
Radio interface specification for commercial to	runked networks operating in Band III, sub-bands 1 and 2
Ed 2.00 A4 79p EN	Gr 14
PDF 79p EN	33.060.40
Designed to be read in conjunction with MPT 132: requirements to be met by trunked system contro III, sub-bands 1 and 2.	3, SANS 2327/MPT 2327 and SANS 2343/MPT 1343, and contains the radio interface llers and associated base stations to be used in commercial trunked networks operating in band
Am 1(National), 1995-10-09 Am 2(Na	ational), 2008-09-05
SANS 2352:1991 (2008-08-01) (SABS MPT 1352)	
Test schedule for the approval of radio units to	b be used with commercial trunked networks operating in Band III subbands 1 and 2
Ed 2.00 A4 254p EN	Gr 21
PDF 254p EN	33.060.20
MPT 1352:1991, MOD	
Contains the type approval requirements for radio Am 1(National), 1995-10-09 Am 2(Na	units that are required to conform to SANS 2343/MPT 1343. ational), 2008-08-01
SANS 2361:1982 / ISO 2361:1982 (2007-02-16) (SABS ISO 2361)	
Electrodeposited nickel coatings on magnetic	and non-magnetic substrates - Measurement of coating thickness - Magnetic method
Ed 1.00 A4 8p EN	Gr 7
PDF ⁸ p EN	25.220.40
Specifies the method of using coating thickness in electrodeposited nickel coatings on magnetic or n Am 1(National), 2007-02-16	struments of the magnetic type for non-destructive measurements of the thickness of on-magnetic substrates.
SANS 2362:1997 / MPT 1362:1997 (2008-08-01) (SABS MPT 1362)	
Installation of mobile radio equipment in land	based vehicles
Ed 2.00 A4 38p EN	Gr 12
PDF 38p EN	33.070.10
Provides guidance for the installation in vehicles of equipment and ancillary equipment associated wi equipment in the vehicle, covers those aspects of installation methods to minimize the possibility of and electronic systems, gives recommendations f statutory requirements associated with the operat Am 1(National), 2008-08-01	of land mobile radio, mobile telephones, "in-car" mounting kits for transportable and handheld th the above. Details the recommended methods for the safe and efficient installation of the safety relating to installation of additional physical equipment in vehicles, recommends the electromagnetic interference (EMI) between the installed equipment and the vehicle electrical or instructing vehicle users in the efficient use of radio equipment along with reference to the ion of radio equipment in moving vehicles.
SANS 2374:2008 / ISO 2374:1983	
Lifting appliances - Range of maximum capacity	ities for basic models
Ed 1.00 A4 4p EN	Gr 4
PDF 4p EN	53.020.01
Sets forth the recommended range of maximum of	apacities of cranes from 0,1 to 1 000 t. Applies to all types of cranes.
SANS 2382-36:2010 / ISO 2382-36:2008	
Information technology - Vocabulary Part 36: I	earning, education and training.
Ed 1.00 A4 19p EN	Gr 9
PDF 19P EN	01.040.35; 35.020; 35.240.99
Intended to facilitate international communication and definitions of selected concepts relevant to the among the entries.	in information technology for learning, education and training. Presents, in two languages, terms e field of information technology for learning, education and training, and identifies relationships
SANS 2394:2003 / ISO 2394:1998	
General principles on reliability for structures	

General	principles on reliability for a	Siruciures	
Ed 1.00	A4 79p EN		Gr 14
	PDF 79p EN		91.080.01

Specifies general principles for the verification of the reliability of structures subjected to known or foreseeable types of action. Reliability is considered in relation to the performance of the structure throughout its design working life. The general principles are applicable to the design of complete structures (buildings, bridges, industrial structures, etc.), the structural elements making up the structure and the foundations. Also applicable to the successive stages in construction, namely the fabrication of structural elements, the transport and handling of the structural elements, their erection and all work on site, as well as the use of the structure during its design working life, including maintenance and repair.

category.	
SANS 2401:1972 / ISO 2401:1972 (2012-10-05) (SABS ISO 2401)	
Covered electrodes - Determination of the efficiency, me	etal recovery and deposition coefficient
Ed 1.00 A4 6p EN	Gr 5
PDF 6p EN	25.160.20
Specifies a method for the determination of the efficiency, w steel covered electrodes in the sizes 3,15 mm to 6,3 mm. Am 1(National), 2006-09-15	veld metal recovery and deposition coefficient of carbon steel and low alloy high tensile
SANS 2408:2005 / ISO 2408:2004 (2010-12-09) (SABS ISO 2408)	
Steel wire ropes for general purposes - Minimum requir	rements
Ed 2.00 A4 42p EN	Gr 12
PDF 42p EN	77.140.65
Specifies the most commonly used wire ropes for general p the strands.	urposes. They are grouped by the number of strands and the number of outer wires in
SANS 2409:2008 / ISO 2409:2007	
(SABS ISO 2409)	
Paints and varnishes - Cross-cut test	
Ed 2.00 A4 16p EN	Gr 8
PDF 16p EN	87 040

Describes a test method for assessing the resistance of paint coatings to separation from substrates when a right-angle lattice pattern is cut into the coating, penetrating through to the substrate. The property measured by this empirical test procedure depends, among other factors, on the adhesion of the coating to either the preceding coat or the substrate. This procedure is not to be regarded, however, as a means of measuring adhesion.

87.040

SANS 2415:2005 / ISO 2415:2004 (2010-12-09) (SABS ISO 2415)

Forged shackles for general lifting purposes - Dee shackles and bow shackles

Ed 2.00	A4 25p EN				Gr 10
	PDF 25p E	N			53.020.30

Specifies the general characteristics, performance and critical dimensions necessary for interchangeability and compatibility with other components, of forged dee and bow shackles in a range of sizes having working load limits from 0,63 t to 100 t, and in grades M(4), S(6) and T(8).

SANS 2417:2009 / ISO 2417:2002

Leather -	 Physical and mechanical tests - Determination of static absorption 	on of water
Ed 1.00	A4 8p EN	Gr 6
	PDF 8p EN	59.140.30

Specifies a method for determining the water absorption of leather under static conditions. The method is applicable for all leather, particularly heavy leather.

SANS 2418:2009 / ISO 2418:2002

Leather - Chemical, physical and mechanical and fastness tests - Sampling location 559r.140.30

Ed 1.00 A4 11p EN PDF 11p EN

Specifies the location of a laboratory sample within a piece of leather and the method of labelling and marking the laboratory samples for future identification. It is applicable to all types of leather derived from mammals irrespective of the tannage use. It is not applicable to leathers derived from bird, fish or reptile.

SANS 2420:2010 / ISO 2420:2002

Leather -	Physical and mechanical tests - Determination of apparent density	
Ed 1.00	A4 8p EN	Gr 6
	PDF 8p EN	59.140.30

Specifies a method for determining the apparent density of leather. It is applicable to all heavy leather.

SANS 2398:2008 / ISO 2398:2006 Rubber hoses, textile-reinforced, for compressed-air - Specification

Ed 1.00 A4 10p EN PDF 10p EN

Specifies requirements for three types, three classes and two categories of textile-reinforced rubber hose for compressed air, up to a maximum working pressure of 25 bar with an operating-temperature range of -40 degrees celcius to +70 degrees celcius, depending on the type and

23.040.70

Gr 6

SANS 2424:2012 / ISO 2424:2007 (SABS ISO 2424)

Textile floor coverings - Vocabulary

Ed 2.00 A4 61p EN PDF 61p EN

Gives definitions of terms relating to textile floor coverings, and defines categories of these products.

SANS 2444:2011 / ISO 2444:1988

Joints in building - Vocabulary

Ed 1.00 A4 6p EN PDF 6p EN

Defines terms used to describe building joints, their constituent parts and their design in building construction.

SANS 2446:2012 / ISO 2446:2008 Milk - Determination of fat content

Ed 2.00 A4 17p EN Gr 8 PDF 17p EN 67.100.10

Specifies the Gerber method for the determination of the fat content of milk and includes guidance on the determination of the appropriate capacity of the milk pipette and on the determination of the corrections to apply to the results if the milk is not of average fat content. The method is applicable to liquid milk, whole or partially skimmed, raw or pasteurized. With modifications, details of which are given, it is also applicable to milk containing certain preservatives, milk that has undergone the process of homogenization, in particular sterilized milk and ultra heat-treated (UHT) milk, and skimmed milk.

SANS 2450:2005 / ISO 2450:1999

Cream - Determination of fat content - Gravimetric method (Reference method)

Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	67.100.10

Specifies the reference method for the determination of the fat content of raw, processed and sour cream in which no appreciable separation or breakdown of fat, due to lipolysis, has occurred. The method is not applicable for sour creams with starch or other thickening agents.

SANS 2503:2007 / ISO 2503:1998

Gas welding equipment - Pressure regulators for gas	s cylinders used in welding, cutting and allied processes up to 300 bar
Ed 1.00 A4 21p EN	Gr 9

Ed	1.00	A4 21p EN	
		PDF 21p EN	

Specifies requirements for single or two-stage pressure regulators for connections to gas cylinders normally used for compressed gases up to 300 bar, for dissolved acetylene, for liquefied petroleum gases (LPG), methylacetylene-propadiene-mixtures (MPS) and carbon dioxide (CO2) used in welding, cutting and allied processes.

SANS 2505:2007 / ISO 2505:2005 (2012-06-15)

Thermoplastics pipes - Longitudinal reversion - Test method and parameters

Ed	1.00	A4 10p EN	
		PDF 10p EN	

Specifies a method for determining the longitudinal of thermoplastics pipes, to be carried out in either a liquid or air. Applicable to all thermoplastics pipes with smooth internal and external walls of constant cross-section.

SANS 2507-1:1995 / ISO 2507-1:1995 (2012-06-15)

(SABS ISO 2507-1)

Thermoplastics pipes and fittings - Vicat softening temperature Part 1: General test method

Ed 1.00	A4 9p EN	Gr 6
	PDF 9p EN	23.040.20; 23.040.45

Specifies a general method for determining the Vicat softening temperature of thermoplastics pipes and fittings. Includes the adaptation of a method in ISO 306:1994, using a force of 50 N. Is applicable only to thermoplastics materials for which it is possible to measure the temperature at which their rate of softening becomes rapid.

Am 1(National), 2007-02-09

SANS 2531:2010 / ISO 2531:2009

Ductile iron pipes, fittings, accessories and their joints for water applications			
Ed 1.00	A4 78p EN	Gr 14	
	PDF 78p EN	23 040 10. 2	

Specifies the requirements and test methods applicable to ductile iron pipes, fittings, accessories and their joints for the construction of pipelines.

Gr 14 01.040.59; 59.080.60

Gr 5 01.040.01; 91.060.01

23.060.40

Gr 6

23.040.20

23.040.10: 23.040.40

SANS 2551:1981 / ISO 2551:1981 (2012-02-17) (SABS ISO 2551)	
Machine-made textile floor coverings - Determination of d	imensional changes due to the effects of varied water and heat conditions
Ed 1.00 A4 5p EN	Gr 5
PDF 5p EN	59.080.60
Specifies a procedure for the determination of the dimensional varied water and heat conditions. Applies to all machine-made Am 1(National), 2006-03-17	I changes that take place when machine-made textile floor coverings are subjected to textile floor coverings.
SANS 2553:1992 / ISO 2553:1992 (2012-10-05) (SABS ISO 2553)	
Welded, brazed and soldered joints - Symbolic representation	ation on drawings
Ed 1.00 A4 55p EN	Gr 13
PDF 55p EN	01.080.30; 25.160.40
Prescribes the rules to be applied for the symbolic representa Am 1(National), 2007-02-09	tion of welded, brazed and soldered joints on drawings.
SANS 2560:2008 / ISO 2560:2002 (SABS ISO 2560)	
Welding consumables - Covered electrodes for manual m	etal arc welding of non-alloy and fine grain steels - Classification
Ed 2.00 A4 35p EN PDF 35p EN	Gr 11 25.160.20
Specifies requirements for classification of covered electrodes condition for manual arc welding of non-alloy and fine grain st of up to 570 N/mm2.	and deposited metal in the as-welded condition in the post-weld heat-treated eels with a minimum yield strength of up to 500 N/mm2 or a minimum tensile strength
SANS 2566-1:2005 / ISO 2566-1:1984 (2010-04-30)	
Steel - Conversion of elongation values Part 1: Carbon an	Id low alloy steels
Ed 1.00 A4 31p EN	Gr 11
PDF 31p EN	77.040.10
Specifies a method of converting room temperature percentage gauge lengths to other gauge lengths.	e elongations after fracture obtained on various proportional and non-proportional
SANS 2570:2006 / ISO 257:2004 (2012-06-08) Pesticides and other agrochemicals - Principles for the se	election of common names
Ed 1.00 A4 24p EN	Gr 10
PDF 24p EN	65.100.01
Gives principles for creating common names for pesticides an such common names.	d other agrochemicals. These principles are defined for the guidance of proposers of
SANS 2589:2009 / ISO 2589:2002 Leather - Physical and mechanical tests - Determination of	of thickness

Ed 1.00	A4 7p EN	C	àr 6
	PDF 7p EN	5	9.140.30

Specifies a method for determining the thickness of leather. The method is applicable to all types of leather of any tannage. The measurement is valid for both the whole leather and a test sample.

SANS 2596:2011 / ISO 2596:2006

Iron ores - Determ	nination of hydroscor	pic moisture in analytic	cal samples - Gravimetric	Karl Fischer and mass-loss methods
	manon or mygroooop	no molocaro m analyci	di dampido di attiticti o	

Ed 1.00	A4 39p EN	Gr 11
	PDF 39p EN	73.060.10

Specifies four test methods for the determination of the hygroscopic moisture content of test samples.

SANS 2597-1:2011 / ISO 2597-1:2006

Iron ores - Determination of total iron content Part 1: Titrimetric method after tin (II) chloride reduction

Ed 1.00	A4 20p EN		
	PDF 20p EN		

Specifies a titrimetric method for the determination of total iron content of iron ores, using potassium dichromate after reduction of the trivalent iron by tin(II) chloride.

Gr 9 73.060.10

SANS 2631-1:1997 / ISO 2631-1:1997 (2006-12-01) (SABS ISO 2631-1)	
Mechanical vibration and shock - Evaluation of human exposure to whole-bo	dv vibration Part 1: General requirements
Ed 1.00 A4 39p EN	Gr 12
PDF 39p EN	13 160
Defines methods for the measurement of periodic, random and transient whole-bod determine the degree to which a vibration exposure will be acceptable. Am 1(National), 2006-12-01	dy vibration. It indicates the principal factors that combine to
SANS 2631-2:2012 / ISO 2631-2:2003	
Mechanical vibration and shock - Evaluation of human exposure to whole-bo	dy vibration Part 2: Vibration in buildings (1 Hz to 80 Hz)
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	13.160
Covers the evaluation of human exposure to whole-body vibration and shock in buil occupants. Specifies a method for the measurement and evaluation, comprising the location. Defines the frequency weighting that is applicable in the frequency range to be defined.	ldings with respect to the comfort and annoyance of the e determination of the measurement direction and measurement 1 Hz to 80 Hz where the posture of an occupant does not need
SANS 2631-4:2012 / ISO 2631-4:2001 Mechanical vibration and shock - Evaluation of human exposure to whole-boo effects of vibration and rotational motion on passenger and crew comfort in f	dy vibration Part 4: Guidelines for the evaluation of the ixed-guideway transport systems
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	13.160
Gives guidelines on the evaluation of the effects of mechanical vibration on the con Establishes methods for the evaluation of relative comfort between systems as opp heavy and light rail, magnetic levitated systems and rubber tyre metro-type system accelerations (0,1 Hz to 0,5 Hz) experienced as vertical forces that may cause kine Am 1(International), 2012-02-03	nfort of passengers and crew on fixed-guideway systems. loosed to absolute levels of comfort. These systems include s. Provides guidance on the effects of very low frequency loosis.
SANS 2631-5:2012 / ISO 2631-5:2004 Mechanical vibration and shock - Evaluation of human exposure to whole-boo containing multiple shocks	dy vibration - Part 5: Method for evaluation of vibration
Ed 1.00 A4 29p EN	Gr 10
PDF 29p EN	13.160
Covers human exposure to mechanical multiple shocks measured at the seat pad response assumes that the person subjected to the vibration is seated in an uprigh exposure. This method is generally applicable in cases where adverse health effect	when a person is seated. The calculation of the lumbar spine t position and does not voluntarily rise from the seat during the ts in the lumbar spine are concerned.
SANS 2709:2008 / ISO 2709:2008	
Information and documentation - Format for information exchange	
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	01.140.20; 35.240.30
Specifies the requirements for a generalized exchange format which will hold record description as well as other types of records. Does not define the length or the contrags, indicators or identifiers, these specifications being the functions of an implem designed specially for communications between data processing systems and not f	ds describing all forms of material capable of bibliographic tent of individual records and does not assign any meaning to nentation format. Describes a generalized structure, a framework for use as a processing format within systems.
SANS 2781:2012 / ISO 2781:2008	
Rubber, vulcanized or thermoplastic - Determination of density	
Ed 2.00 A4 11p EN	Gr 7
PDF 11p EN	83.060
Specifies two methods of the determination of the density of solid vulcanized and the Am 1(International), 2012-02-03	nermoplastic rubbers.
SANS 2788:2005 / ISO 2788:1986 (2010-08-27)	

Documentation - Guidelines for the establishment and development of monolingual thesauriEd 1.00A4 37p ENGr 11PDF 37p EN01.140.20

Contains recommendations that are intended to ensure consistent practice within a single indexing agency, or between different agencies (for example members of a network). Describes techniques that are not limited to a particular method of indexing, whether post-coordinate or precoordinate, however, certain restrictions apply. Contains recommendations that relate to monolingual thesauri, without reference to the special requirements of multilingual thesauri.

Standards South Africa Catalogue 2013 NUM - 267

Paints and varnishes - Determination of film thickness	
Ed 3.00 A4 45p EN	Gr 12
PDF 45p EN	87.040
Describes a number of methods that are applicable to the mean determining wet-film thickness, dry-film thickness and the film-t standards where these exist.	surement of the thickness of coatings applied to a substrate. Methods for hickness of uncured powder layers are described. Reference is made to individual
SANS 2811-1:1997 / ISO 2811-1:1997 (2006-09-08) (SABS ISO 2811-1)	
Paints and varnishes - Determination of density Part 1: Pyk	nometer method
Ed 1.00 A4 13p EN PDF 13p EN	Gr 8 87.040
Specifies a method for determining the density of paints, varnis medium viscosity at the temperature of test. The Hubbard pykn Am 1(National), 2006-09-08	hes and related products using a pyknometer. Is limited to materials of low or nometer can be used for highly viscous materials.
SANS 2813:1994 / ISO 2813:1994 (2007-06-29) (SABS ISO 2813)	
Paints and varnishes - Determination of specular gloss of	non-metallic paint films at 20°, 60° and 85°
Ed 2.00 A4 12p EN	Gr 8
PDF 12p EN	87.040
Specifies a test method for determining the specular gloss of p suitable for the measurement of the gloss of metallic paints. Cor 1(International), 1997-02-15 Am 1(National), 2007	aint films using a reflectometer geometry of 20°, 60° or 85°. The method is not 7-06-29
SANS 2814:1973 / ISO 2814:1973 (2012-03-02) (SABS ISO 2814)	
Paints and varnishes - Comparison of contrast ratio (hiding	g power) of paints of the same type and colour
Ed 1.00 A4 5p EN	Gr 5
PDF 5p EN	87.040
Specifies the standard method to be used in comparing the cor than 40 %, dried at normal air temperatures and applied at app Am 1(National), 2006-09-08	ntrast ratios given by paint films of white or light colours, of reflectance factor greate roximately equal wet film thickness to black and white substrates.
SANS 2819:1980 / ISO 2819:1980 (2007-02-09) (SABS ISO 2819)	
Metallic coatings on metallic substrates - Electrodeposited testing adhesion	and chemically deposited coatings - Review of methods available for
Ed 1.00 A4 11p EN	Gr 8
PDF 11p EN	25.220.40
Describes methods of checking the adhesion of electrodeposite	ed and chemically deposited coatings. Is limited to tests of a gualitative nature.

reporting, to ensure conformity between countries for those statistical measures that are frequently used by library managers but do not qualify for international reporting, to encourage good practice in the use of statistics for the management of library and information services, and to specify data provision required by ISO 11620 (published in South Africa as an identical adoption under the designation SANS 11620). SANS 2795:2005 / ISO 2795:1991 (2010-04-30)

Specifies rules for the library and information services community on the collection and reporting of statistics for the purposes of international

Plain bearings - Sintered bushes - Dimensions and tolerances			
Ed 1.00	A4 10p EN	Gr 6	
	PDF 10p EN	21.100.10	

Specifies dimensions and tolerances applicable to sintered bearings for specific ranges of inside diameters.

NUMERICAL LIST OF STANDARDS

Gr 14 01.140.20

Information and documentation - International library statistics

Ed 1.00 A4 68p EN PDF 68p EN

SANS 2789:2009 / ISO 2789:2006

SANS 2808:2008 / ISO 2808:2007

Am 1(National), 2007-02-09

(SABS ISO 2808)

SANS 2859-1:2004 / ISO 2859-1:1999 (2009-05-15)

Sampling procedures for inspection by attributes Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

Ed 1.00 A4 94p EN PDF 94p EN

Specifies an acceptance sampling system for inspection by attributes. Is indexed in terms of the acceptance quality limit (AQL). Its purpose is to induce a supplier through the economic and psychological pressure of lot non-acceptance to maintain a process average at least as good as the specified acceptance quality limit, while at the same time providing an upper limit for the risk to the consumer of accepting the occasional poor lot. **Cor 1(International)**, 2004-09-23

SANS 2859-3:2008 / ISO 2859-3:2005

Sampling procedures for inspection by attributes Part 3: Skip-lot sampling proceduresEd 1.00A4 34p ENGr 11PDF 34p EN03 120 30

Specifies generic skip-lot sampling procedures for acceptance inspection by attributes. Procedures specified are applicable to, but not limited to, inspection of end items, such as complete products or sub-assemblies, components and raw materials, and materials in process.

SANS 2859-4:2008 / ISO 2859-4:2002

Sampling procedures for inspection b	y attributes Part 4: Procedures for assessment of	of declared quality levels
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Ed 1.00	A4 19p EN		
	PDF 19p EN		

Establishes sampling plans and procedures that can be used to assess whether the quality level of an entity (lot, process, etc.) conforms to a declared value. The sampling plans are applicable, but not limited, to inspection of a variety of products such as end items, components and raw materials, operations, materials in process, supplies in storage, maintenance operations, data or records, and administrative procedures.

SANS 2859-5:2008 / ISO 2859-5:2005

Sampling procedures for inspection by attributes Part 5: System of sequential sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection

=d	1.00	A4 50p EN		
		PDF 50p EN		

Specifies sequential sampling schemes that supplement the ISO 2859-1 (published in South Africa as an identical adoption under the designation SANS 2859-1) acceptance sampling system for inspection by attributes. The sampling schemes defined are applicable, but not limited, to the inspection of end items, components and raw materials, operations, materials in process, supplies in storage, maintenance operations, data or records, and administrative procedures. The individual sampling plans are not designed to be applicable outside of the schemes in which they are presented.

SANS 2859-10:2008 / ISO 2859-10:2006

Sampling procedures for inspection by attributes Part 10: Introduction to the ISO 2859 series of standards for sampling for inspection by attributes

Ed 1.00 A4 18p EN PDF 18p EN

Provides a general introduction to acceptance sampling by attributes and provides a brief summary of the attribute sampling schemes and plans used in ISO 2859-1, ISO 2859-2, ISO 2859-3, ISO 2859-4 and ISO 2859-5, which describe specific types of attribute sampling systems. Also provides guidance on the selection of the appropriate inspection system for use in a particular situation. (ISO 2859-1, ISO 2859-3, ISO 2859-4 and ISO 2859-5 are all published in South Africa as identical adoptions under designations SANS 2859-1, SANS 2859-3, SANS 2859-4 and SANS 2859-5, respectively.)

SANS 2860:2003 / ISO 2860:1992 (2009-02-13)

Earth-moving machinery - Minimum access dimensions

Ed 1.00	A4 6p EN	Gr	5
	PDF 6p EN	53.1	00

Specifies the minimum dimensions for hand, head, body, arm and two-handed access on equipment and machinery as defined in SANS 261.

SANS 2867:2008 / ISO 2867:2006 Earth-moving machinery - Access systems Ed 2.00 A4 23p EN PDF 23p EN

Specifies criteria for access systems (steps, ladders, walkways, platforms, grab rails/handrails, grab handles, guardrails and enclosure entrance and exit openings) as they relate to aiding the operator, maintenance personnel and service personnel in performing their functions on earthmoving machinery. Is applicable to systems giving access to the operator platform and to routine maintenance points on earth-moving machinery, as defined in ISO 6165 (published in South Africa as an identical adoption under the designation SANS 261), parked in accordance with the manufacturer's instructions.

SANS 2878:2011 / ISO 2878:2005

Rubber - Antistatic and conductive products - Determination of electrical resistance

Ed 2.00	A4 12p EN	Gr	7
	PDF 12p EN	83.0	060

Specifies a method of determining the electrical resistance of antistatic and conductive products manufactured wholly or in part from rubber whose electrical resistance is measured between defined points.

Standards South Africa Catalogue 2013 NUM - 268

Gr 15 03.120.30

Gr 9 03.120.30

Gr 12 03.120.30

Gr 8 03.120.30

Gr 10

53.100

PDF 4p EN	83.060
Specifies the limits for electrical resistance for certain antistatic and conductive pro-	oducts for hospital use.
SANS 2883:2003 / ISO 2883:1980 (2009-07-31) Rubber, vulcanized - Antistatic and conductive products for industrial use - E	Electrical resistance limits
Ed 1.00 A4 4p EN	Gr 4
PDF 4p EN	83.060
Specifies limits for electrical resistance for certain antistatic and conductive produc	ts for industrial use.
SANS 2931:1983 / ISO 2931:1983 (2007-02-09) (SABS ISO 2931)	
Anodizing of aluminium and its alloys - Assessment of quality of sealed anoo impedance	lic oxide coatings by measurement of admittance or
Ed 1.00 A4 7p EN	Gr 7
PDF 7p EN	25.220.20
Specifies a method for assessing the quality of sealed anodic oxide coatings on ali impedance. Am 1(National), 2007-02-09	uminium and its alloys, by measurement of the admittance or the
SANS 2000-1-2000	
Railway safety management Part 1: General	
Ed 2.00 A4 53p EN	Gr 12
PDF 53p EN	45.020; 93.100
Describes the minimum elements of a safety management system (SMS) to enabl railway operations under its control.	e an operator to develop an SMS for the management of safe
SANS 3000-2-1:2008	and anarotional standarda. Conoral
Ed 1 00 A4 15b EN	Gr 7
PDF 15p EN	45.020: 93.100
Gives the generic technical requirements for engineering and operational systems complies with SANS 3000-1. Applies to existing, modified or prospective railway operational systems are supplied on the system of t	that form part of a railway safety management system which perations.
SANS 3000-2-2:2008 Bailway safety management Part 2-2: Technical requirements for engineering	and operational standards - Track civil and electrical
infrastructure	
Ed 1.00 A4 29p EN	Gr 9
PDF 29p EN	45.020; 93.100
Covers the requirements for the development of regulator, industry and local stand construction/manufacturing and implementation, commissioning, monitoring and m	lards. Includes the asset life cycle components of design, naintenance, modification, and decommissioning and disposal.
SANS 3000-2-2-1:2012	
Railway safety management Part 2-2-1: Technical requirements for engineerin infrastructure - Level crossings	ng and operational standards - Track, civil and electrical
Ed 1.00 A4 143p EN	Gr 19
PDF 143p EN	45.020; 93.100
Supersedes and replaces existing agreements between network operators and the private road owners with respect to existing level crossings. Applies to network oper roles of road authorities in respect of their responsibilities in terms of level crossing modification, elimination or decommissioning of existing level crossings.	relevant road authorities (national, provincial and local), and erators, road authorities and private road owners. Clarifies the g safety. Applies to proposed new level crossings, and the
SANS 3000-2-3:2008	
Railway safety management Part 2-3: Technical requirements for engineering	and operational standards - Rolling stock
Ed 1.00 A4 15p EN	Gr 7
	45.020; 93.100
covers requirements for the development of regulator, industry and local standards construction/manufacturing, commissioning, monitoring and maintenance, modifica	 Includes the asset life cycle components of design, ation, and decommissioning and disposal of rolling stock.
SANS 3000-4:2011	
Kallway satety management Part 4: Human factors management	01 15
E0 1.00 A4 112p EN PDF 112p EN	45 020
Provides minimum requirements to railway operators for the management of huma	in factors for employees who undertake safety-related work
in the second of	

SANS 2882:2003 / ISO 2882:1979 (2009-07-31) Rubber, vulcanized - Antistatic and conductive products for hospital use - Electrical resistance limits Gr 4

Ed 1.00 A4 4p EN

Gr 5

91.100.15; 91.100.30; 93.010

91.100.15; 91.100.30; 93.010

91.100.15: 91.100.30: 93.010

SANS 3001-AG1:2009 Civil engineering test methods Part AG1: Particle size analysis of aggregates by sieving

Ed 1.00 A4 12p EN PDF 12p EN

Applies to coarse and fine aggregates and describes a method to prepare a test sample and determine the particle size distribution of particles of diameter retained on the 75 µm sieve.

SANS 3001-AG2:2009

Civil engineering test methods Part AG2: Determination of the average least dimension of aggregates by direct measurement Gr 5

Ed 1.00	A4 10p EN	
	PDF 10p EN	

Describes a method to determine the average least dimension (ALD) of aggregate by direct measurement.

SANS 3001-AG3:2009

Civil engineering test methods Part AG3: Determination of the average least dimension of aggregates by computation Gr 5

Ed	1.00	A4 10p EN
		PDF 10p EN

Describes a method to determine the average least dimension (ALD) of an aggregate by computation using the particle size analysis and flakiness index

SANS 3001-AG4:2009

Civil engineering test methods Part AG4: Determination of the flakiness index of coarse aggregate

Ed 1.00 A4 10p EN PDF 10p EN

Specifies a method for determining the flakiness index of coarse aggregate, expressed as the mass of particles of applicable size passing slots with prescribed widths, as a percentage of the total mass of the aggregate. Is conducted on coarse aggregate that passes a sieve with aperture size of 75 mm and that is retained on a 5 mm sieve.

SANS 3001-AG10:2012

Civil engineering test methods Part AG10: ACV (aggregate crushing value) and 10% FACT (fines aggregate crushing test) values of coarse aggregates

Ed 1.00	A4 17p EN		
	PDF 17p EN		

Describes a method for determining the aggregate crushing value and the 10 % fines aggregate crushing test values in a dry or wet condition of a prepared aggregate sample, by measuring the fines generated by a load of 400 kN and the load required to crush the fraction of the aggregate passing the 14 mm sieve and retained on the 10 mm sieve, to the extent that 10 % of the sample, after crushing, passes a 2 mm sieve.

SANS 3001-AG15:2012

Civil engineering test methods Part AG15: Determination of rock durability using 10 % FACT (fines aggregate crushing test) values after soaking in ethylene glycol

Ed 1.00 A4 8p EN PDF 8p EN

Applies to aggregates and describes a method for determining the 10 % FACT value of ethylene glycol soaked aggregate.

SANS 3001-AG20:2011

Civil engineering test methods Part AG20: Determination of the bulk density, apparent density and water absorption of aggregate particles retained on the 5 mm sieve for road construction materials				
Ed 1.00 A4 10p EN	Gr 5			
PDF 10p EN	91.100.15; 91.100.30; 93.010			
Describes a method to prepare a test sample and to o particles retained on the 5 mm sieve .	letermine the bulk density, apparent density and water absorption parameters on aggregate			
SANS 3001-AG21:2011				
Civil engineering test methods Part AG21: Determ particles passing the 5 mm sieve for road constru	ination of the bulk density, apparent density and water absorption of aggregate ction materials			
Ed 1.00 A4 14p EN	Gr 6			
PDF 14p EN	91.100.15; 91.100.30; 93.010			
Describes a method to prepare a test sample and to o materials passing the 5 mm sieve size.	letermine the parameters of the bulk density, apparent density and water absorption on			
SANS 3001-AG22:2012				
Civil engineering test methods Part AG22: Appare	nt density of crushed stone base			

Ed 1.00 Gr 6 PDF 12p EN 91.100.15; 93.010; 93.080.20

Covers the determination of apparent density of crushed stone base.

Gr 5 91.100.15; 91.100.30; 93.010

Gr 5 91.100.15: 91.100.30: 93.010

91.100.15; 93.010

Gr 7

Ed 1.00 A4 10p EN Gr 5 PDF 10p EN 91.100.15; 93.010; 93.080.20 Specifies methods for determining the particle and relative densities of aggregates using the volumetric (pycnometer) method for fine and coarse aggregates. SANS 3001-AS1:2011 Civil engineering test methods Part AS1: Making of asphalt briquettes for Marshall tests and other specialized tests Ed 1.00 A4 15p EN Gr 7 PDF 15p EN Describes a method for preparing and compacting asphalt briquettes of 101,5 mm diameter and 63,5 mm in height with a maximum aggregate size of 20 mm.

Civil engineering test methods Part AG23: Particle and relative densities of aggregates

SANS 3001-AS2:2011

SANS 3001-AG23:2012

Civil engineering test methods Part AS2: Determination of Marshall stability, flow and quotient Gr 5

Ed 1.00 A4 10p EN PDF 10p EN

Specifies a method for determining the stability, flow and quotient values for cylindrical asphalt briquettes of 101,5 mm diameter and 63,5 mm in height consisting of a maximum 20 mm aggregate size, loaded on the lateral surface by means of the Marshall apparatus.

SANS 3001-AS10:2011

Civil engineering test methods Part AS10: Determination of bulk density and void content of compacted asphalt Ed 1.00 A4 20p EN Gr 8 PDF 20p EN

Describes a method for determining the bulk density and void content of asphalt briquettes, cores or block samples.

SANS 3001-AS11:2011

Civil engineering test methods Part AS11: Determination of the maximum void-less density of asphalt mixes and the quantity of binder absorbed by the aggregate Gr 7

Ed 1.00 A4 17p EN PDF 17p EN

Describes a method for determining the maximum void-less density of an asphalt mix and the amount of binder absorbed by the aggregate.

SANS 3001-AS20:2011

PDF 11p EN

Civil engineering test methods Part AS20: Determination of the soluble binder content and particle size analysis of an asphalt mix Ed 1.00 A4 11p EN Gr 6

Describes a method to quantitatively determine the binder content and particle size analysis of an asphalt mix by extracting the binder from the mixture with an organic solvent and as part of the procedure moisture content is determined.

SANS 3001-BT10:2012

Civil eng	ineering test methods Part	BT10: Ball penetration	test for the design o	f surfacing seals
Ed 1 00	44 12n FN		C.	Fr 6

 1.00		
	PDF 12p EN	93.080.20

Specifies a method for measuring the penetration resistance of a road surface using a steel ball of 19 mm diameter.

SANS 3001-BT12:2012

Civil engineering test methods Part BT12: Determination of the in situ permeability of a bituminous surfacing (Marvil test)

Ed 1.00	00 A4 10p EN	0 A4 10p EN		
	PDF 10p E	N	93.	

Describes a procedure to determine the in situ water permeability of a bituminous surfacing using a Marvil permeameter. Not suitable for rough or irregular surfaces where a seal between the base of the permeameter and the surface cannot be achieved.

SANS 3001-BT11:2012

Ed 1 00 A4 100 EN

Civil engineering test methods Part BT11: Texture depth measurement for the design of surfacing seals

Ľи	1.00	
		PDF 10p EN

Describes a test for measuring the texture depth of a road surface by measuring the area that is covered when a known volume of sand is spread thinly on the surface using a circular disc of diameter 75 mm.

SANS 3001-BT20:2010

Civil engineering test methods Part BT20: Certification of a binder distributor			
Ed 1.00	A4 7p EN	Gr 5	
	PDF 7p EN	93.010	

Describes the procedures to certify that a binder distributor is fit for purpose.

Gr 6

5 .080.20

93.080.20

Gr 5

SANS 3001-BT21:2010 Civil engineering test methods Part BT21: Validation of a binder distrib	utor dipstick
Ed 1.00 A4 9p EN	Gr 5
PDF 9p EN	93.010
Describes a method for the validation of a dipstick for a binder distributor.	
SANS 3001-BT22:2010	nter teste for a hinder distributer
Ed 1.00 A4 7p EN	Gr 5
PDF 7p EN	93.010
Describes methods to determine that the power and road speed of a bitumin uniform distribution of binders on road surfaces.	ous binder distributor are within the tolerances required to ensure the
SANS 3001-BT23:2010	
Civil engineering test methods Part BT23: Pump system performance of	of a binder distributor
Ed 1.00 A4 13p EN PDF 13p EN	Gr 6 93.010
Describes a method to confirm that the indicated volume of binder delivered	by the pump matches the actual volume delivered at all volume levels.
SANS 3001-BT24:2011	distuibution ('Duckat toot') for a binder distributor
Ed 1 00 A4 9b EN	Gr 5
PDF 9p EN	93.010
Describes a method for determining the conformance of the transverse distri	ibution of a binder distributor spray bar.
SANS 3001-GP1-2011	
Civil engineering test methods Part GR1: Wet preparation and particle	size analysis
Ed 1.01 A4 26p EN	Gr 9
PDF 26p EN	19.120; 93.010
Applies to gravel, sand and soil, and describes a method to prepare a test sa diameter retained on the 75 μ m sieve, determine the combined silt and clay the determination of the plasticity index and linear shrinkage on material with Am 1(National), 2011-02-18	ample and determine the particle size distribution of particles of fraction of particles passing the 75 μ m sieve and prepare a sample for a particle size passing the 425 μ m sieve or passing the 75 μ m sieve.
SANS 3001-GR2:2011	
Civil engineering test methods Part GR2: Dry preparation and dry partie	cle size analysis of gravels and sands
Ed 1.01 A4 16p EN PDF 16p EN	Gr 7
Covers the dry preparation and quantitative determination of the particle size	e distribution by dry sieving of gravels and sands with particle sizes
larger than 425 μ m. Am 1(National), 2011-03-31	s distribution by dry slowing of gravels and sands with particle sizes
SANS 3001-GR3:2012	
Civil engineering test methods Part GR3: Particle size analysis of mate	rial smaller than 2 mm (hydrometer method)
Ed 1.00 A4 21p EN PDF 21p EN	Gr 8
Covers the particle size analysis of material smaller than 2 mm using a hydr	19.120, 91.100.13, 93.010 ometer
SANS 3001-GR10:2011 Civil engineering test methods Part GR10: Determination of the one-po	int liquid limit, plastic limit, plasticity index and linear
Ed 1.01 A4 25p EN	Gr 9
PDF 25p EN	19.060; 93.010
Describes methods for determining the liquid limit, plastic limit, plasticity indeconsisting of either material smaller than 425 μ m or material smaller than 75 Am 1(National), 2011-02-04	ex and linear shrinkage of fine material from gravel, sand or soil, $_{j}\mu\text{m}.$
SANS 3001-GR11:2010	
Civil engineering test methods Part GR11: Determination of the liquid I	imit with the two-point method
Ed 1.01 A4 17p EN PDF 17p EN	Gr 7
Describes the two-point method for determining the liquid limit of fine meteri	13.000, 33.010
425 μ m or material smaller than 75 μ m. Gives references for the determination and the material Am 1(National), 2010-12-03	ion of the linear shrinkage and plastic limit.

Gr 7

19.060; 93.010

19.040; 93.010

13.080.01: 13.080.05

SANS 3001-GR12:2010 Civil engineering test methods Part GR12: Determination of the flow curve liquid limit

Ed 1.01 A4 18p EN PDF 18p EN

Describes the flow curve method for determining the liquid limit of fine material from gravel, sand or soil, consisting of either material smaller than 425 µm or material smaller than 75 µm prepared in accordance with SANS 3001-GR1.

Am 1(National), 2010-12-03

SANS 3001-GR20:2010

Civil engineering test methods Part GR20: Determination of the moisture content by oven-drying Ed 1 01 A4 10n EN Gr 5

 1.01	
	PDF 10p EN

Describes a method for determining the moisture content of test samples taken from gravel, sand or soil, by drying in an oven to a constant mass. Am 1(National), 2010-12-03

SANS 3001-GR30:2010

Civil engineering test methods Part GR30: Determination of the maximum dry density and optimum moisture content Ed 1.00 A4 41n EN

u	1.00	A4 4 IP EN		
		PDF 41n FN		
		i bi iip Eit		

Applies to gravel, sand and soil (silts and clays) and describes a method to determine the relationship between the moisture content and dry density of a material compacted in a 152 mm diameter mould using a total effort of 2 427 kNm per metre cubed, and the maximum dry density and optimum moisture content from the relationship (compaction curve) obtained.

SANS 3001-GR31:2010

Civil engineering test methods Part GR31: Determination of the maximum dry density and optimum moisture content of laboratory mixed cementitiously stabilized materials

Ed	1.00	A4 40p EN	Gr 10
		PDF 40p EN	93.010

Applies to cementitiously stabilized materials (crushed stone, gravel, sand and soil) and describes methods to determine the relationship between moisture content and dry density of a cementitiously stabilized material compacted in a 152 mm diameter mould using a total effort of 2 427 kNm per cubic metre, and to determine the maximum dry density and optimum moisture content from the relationship obtained.

SANS 3001-GR40:2010

Civil engineering test methods Part GR40: Determ	nination of the California bearing ratio
Ed 1.00 A4 26p EN	Gr 9
PDF 26p EN	93.020; 93.080.20
Specifies to gravels, sands and soils (silts and clays) compacted in a 152 mm diameter mould using three	and describes a method to determine the California bearing ratio (CBR) of a material compaction efforts and penetrated using a steel piston.
SANS 3001-GR5:2012	
Civil engineering test methods Part GR5: Wet pre	paration and air-drying of samples for plasticity index and hydrometer tests

sts Gr 5

Ed 1.00 A4 10p EN PDF 10p EN

Describes a procedure to prepare air-dried samples for the determination of the plasticity index (PI) and the hydrometer analysis.

SANS 3001-GR50:2010

Civil engineering test methods Part GRs stabilized materials	50: Preparation, compaction and curing of specimens of laboratory mixed cementitiously

Ed 1.00 A4 23p EN PDF 23p EN

Applies to cementitiously stabilized material (crushed stone, gravel, sand and soil) and describes a method to prepare, compact and cure cylindrical specimens in the laboratory suitable for strength and durability tests.

SANS 3001-GR51:2010

Civil engineering test methods Part G	R51: Sampling, preparation, compaction and curing of field mixed freshly cementitiously
stabilized materials including the dete	ermination of the maximum dry density and optimum moisture content
Ed 1.00 A4 19p EN	Gr 8

Ed 1.00	A4 19p EN		
	PDF 19p EN		

Applies to cementitiously stabilized material (crushed stone, gravel, sand and soil) and describes a method for sampling freshly stabilized materials in the field, sample preparation, determining the maximum dry density and the optimum moisture content of this material and the preparation of specimens for strength testing.

Gr 11

19.060; 93.010; 93.020; 93.080.20

Gr 9 93.010

93.010

SANS 3001-GR52:2010 Civil engineering test methods Part GR52: Sampling and preparation of core	d specimens of field compacted, matured,
Ed 1.00 A4 7p EN PDF 7p FN	Gr 5
Applies to cementitiously stabilized material (crushed stone, gravel, sand and soil)	and describes a method for sampling and preparing core
SANS 3001-GR53:2010 Civil engineering test methods Part GR53: Determination of the unconfined of	compressive strength of compacted and cured
specimens of cementitiously stabilized materials	
Ed 1.00 A4 9p EN PDF 9p EN	Gr 5 93.010
Applies to cementitiously stabilized material (crushed stone, gravel, sand and soil) compressive strength of test specimens that have been prepared, compacted and or SANS 3001-GR52.	and describes a method to determine the unconfined cured in accordance with SANS 3001-GR50,SANS 3001-GR51,
SANS 3001-GR54:2010 Civil engineering test methods Part GR54: Determination of the indirect tens cementitiously stabilized materials	ile strength of compacted and cured specimens of
Ed 1.00 A4 9p EN	Gr 5
PDF 9p EN	93.010
Applies to cementitiously stabilized material (crushed stone, gravel, sand and soil) strength of test specimens that have been prepared, compacted and cured in acco 3001-GR52.	and describes a method to determine the indirect tensile ordance with SANS 3001-GR50,SANS 3001-GR51 or SANS
SANS 3001-GR55:2012 Civil engineering test methods Part GR55: Determination of the wet-dry dura cementitiously stabilized materials by hand brushing	bility of compacted and cured specimens of
Ed 1.00 A4 9p EN	Gr 5
PDF 9p EN	93.010; 93.080.20
Applies to cementitiously stabilized materials (crushed stone, gravel, sand and soi test specimens that have been compacted and cured in accordance with SANS 30 and other chemical stabilizers such as mixes of cement or lime and blast furnace s	 and describes a method to determine the wet-dry durability of 001-GR50. Is suitable for material stabilized with cement, lime, slag.
SANS 3001-PR1:2011 Civil engineering test methods Part PR1: Determination of uncertainty of mea	asurement, repeatability, reproducibility and bias
Ed 1.01 A4 52p EN PDF 52p EN	Gr 12
Covers quantitative statements of uncertainty about test methods in this series and sample statistics, estimated population standard deviation, uncertainty of measure cover proficiency testing schemes or inter-laboratory comparisons, and does not in	d describes a method to determine statistical sample size, ment, outlier, repeatability, reproducibility and bias. Does not include statistical experimental designs.
SANS 3001-PR2:2011 Civil engineering test methods Part PR2: Use and assessment of repeat, che	ck or duplicate tests
Ed 1.00 A4 12p EN	Gr 6
PDF 12p EN	91.100.15
Describes a method to determine whether a repeat, check or duplicate test result of	differs significantly from the original or first result.
SANS 3001-PR5:2011 Civil engineering test methods Part PR5: Computation of soil-mortar percent modulus	ages, coarse sand ratio, grading modulus and fineness
Ed 1.01 A4 9p EN PDF 9p EN	Gr 5 91.100.15
Describes the calculation of various relationships based on the particle size distrib Am 1(National), 2011-03-31	ution of materials.
SANS 3001-PR10:2011	and verification of test sloves
Ed 1 01 A4 11b EN	and vernication of test sieves Gr 6
PDF 11p EN	19.120; 91.100.15
Describes the correct method for the handling and use of test sieves. Am 1(National), 2011-02-18	
SANS 3012:2011 Payament management systems - Standard visual assessment manual for up	neesled roads
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Favenent management systems - Standard visual assessment manual for al	Gr 18
PDF 78p EN	93.080.01; 93.080.20
Provides national guidelines for the visual assessment of the condition and perform systems, maintenance programming and the monitoring of experiments.	nance of unsealed roads for use in gravel road management
SANS 3056:1986 / ISO 3056:1986 (2011-03-25) (SABS ISO 3056)	
Non-calibrated round steel link lifting chain and chain slings - Use and main	tenance
Ed 1.00 A4 13p EN	Gr 7
	53.020.30
Constitutes a guide to the selection, use, inspection, testing, maintenance and rep slings.	air of non-calibrated, round steel, short link chains and chain
SANS 3059:2004 / ISO 3059:2001 (2009-08-07) Non-destructive testing - Penetrant testing and magnetic particle testing - Vi	ewing conditions
PDF 11p EN	Gr 7 19 100
Describes the control of the viewing conditions for magnetic particle and penetrant and UV-A irradiance and their measurement. It is intended for use when the huma	t testing. It includes minimum requirements for the illuminance an eye is the primary detection aid.
SANS 3071:2007 / ISO 3071:2005 (2012-04-05)	
Textiles - Determination of pH of aqueous extract	
Ed 1.00 A4 11p EN	Gr 7
Specifies a method for the determination of the pH of the aqueous extract of textile	59.080.30
Specifies a method for the determination of the prior the aqueous extract of textile	
SANS 3074:2003 / ISO 3074:1975 (2008-08-22)	
Ed 1.00 A4 op EN	Gr 5
PDF 5p EN	59.060.10
Specifies a method for determining the dichloromethane-soluble matter in combec	wool sliver. Its use may be extended to wool in other forms.
SANS 3077:2008 / ISO 3077:2001	
Short-link chain for lifting purposes - Grade T (types T, DAT and DT), fine-tol	erance hoist chain
Ed 1.00 A4 29p EN	Gr 10
PDF 29p EN	53.020.30
Specifies requirements for fine-tolerance hoist chain of Grade T (types T, DAT and hoists. Is applicable to electrically welded, round, steel short-link chain, heat-treate acceptance of ISO 1834, in the nominal chain size range from 3 mm to 22 mm.	d DT) for use with manually operated or power-driven chain ad and tested in accordance with the general conditions of
SANS 3082:2011 / ISO 3082:2009	
Iron ores - Sampling and sample preparation procedures	
Ed 1.00 A4 88p EN	Gr 15
	73.060.10
Gives the underlying theory, the basic principles for sampling and preparation of s and operation of sampling systems for mechanical sampling, manual sampling an determine the chemical composition, moisture content, size distribution and other density obtained using ISO 3852:2007 (Method 2). Cor 1(International), 2011-02-11	amples, and the basic requirements for the design, installation d preparation of samples taken from a lot under transfer, to physical and metallurgical properties of the lot, except bulk
SANS 3084:2011 / ISO 3084:1998	
Iron ores - Experimental methods for evaluation of quality variation	
Ed 1.00 A4 23p EN PDF 23p EN	Gr 10
Specifies experimental methods for the evaluation of quality variation of iron ores	for each type of iron ore being traded and for each handling plant.
SANS 3085:2011 / ISO 3085:2002 Iron ores - Experimental methods for checking the precision of sampling, sa	mple preparation and measurement
Ed 1.00 A4 26p EN	Gr 10
PDF 26p EN	73.060.10
Specifies experimental methods for checking the precision of sampling, sample pr accordance with the methods specified in ISO 3080 and the relevant ISO standar	eparation and measurement of iron ores being carried out in ds for measurement.

Iron ores - Experimental methods for checking the bias of sampling	l
Ed 1.00 A4 28p EN	Gr 10
PDF 28p EN	73.060.10
Specifies experimental methods for checking the bias of sampling of iron specified in ISO 3080, having as reference a stopped-belt sampling mether the sampling mether is a stopped set of the sampling set of the sampling mether is a stopped set of the sampling set of	n ores, when sampling is carried out in accordance with the methods hod.
SANS 3087:2011 / ISO 3087:1998	
Iron ores - Determination of the moisture content of a lot	
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	73.060.10
Specifies a method for the determination of moisture content of a lot of ir	ron ore. Is applicable to all iron ores, whether natural or processed.
SANS 3096:2005 / ISO 3096:1996 (2012-07-20) Rolling bearings - Needle rollers - Dimensions and tolerances	
Ed 1.00 A4 8p EN	Gr 6
PDF 8p EN	21.100.20
Specifies dimensions and tolerances for finished steel needle rollers use Cor 1(International), 2005-03-04	d as rolling elements.
SANS 3107:2008 / ISO 3107:2004	
Dentistry - Dental zinc oxide/eugenol cements and zinc oxide/non-e	ugenol cements
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	11.060.10
Specifies the requirements and performance test methods for non-water- for temporary cementation, for permanent cementation, for cavity liners a eugenol cements containing zinc oxide and aromatic oils suitable for tem Cor 1(International), 2008-11-14	-based zinc oxide/eugenol cements suitable for use in restorative dentistry and bases and as temporary restorations. It is also applicable to non- aporary cementation.
SANS 3126:2008 / ISO 3126:2005 (SABS ISO 3126)	
Plastics piping systems - Plastics components - Determination of di	imensions
Ed 2.00 A4 26p EN	Gr 10
PDF 26p EN	23.040.20
Specifies methods for measurement and/or determination of the dimensi Specifies procedures for measuring angles, diameters, lengths, squarent geometric limits.	ions of plastics pipes and fittings and the accuracy of the measurement. ess and wall thicknesses for the purposes of checking conformity to
SANS 3127:1994 / ISO 3127:1994 (2012-06-15)	
Thermonlastics nines - Determination of resistance to external blow	vs - Bound-the-clock method
Ed 1 00 A4 14n EN	Gr 7
PDF 14p EN	23,040,20
Specifies a method for the determination of the resistance to external blc clock method. Is applicable to isolated batches of pipe tested at 0 °C. Am 1(National), 2007-02-09	ows of thermoplastics pipes of circular cross-section, called the round-the-
SANS 3166-1-2007 / ISO 3166-1-2006 (2013-01-25)	
Codes for the representation of names of countries and their subdiv	visions Part 1: Country codes
PDF 78p EN	Gr 14 01.140.20: 01.140.30
Is intended for use in any application requiring the expression of current implementation and maintenance.	country names in coded form. Includes basic guidelines for its
SANS 3166-2:2008 / ISO 3166-2:2007	
Codes for the representation of names of countries and their subdiv	visions Part 2: Country subdivision code
Ed 1.00 A4 155p EN	Gr 18
PDF 155p EN	01 140 10: 01 140 20: 01 140 30

SANS 3086:2011 / ISO 3086:2006

Establishes a universally applicable code for the representation of the names of principal administrative divisions of countries and territories included in ISO 3166-1. It is intended to be used in conjunction with ISO 3166-1 (published in South Africa as an identical adoption under the designation SANS 3166-1). It provides the structure for a code for the representation of names of principal administrative divisions, or similar areas, of the countries and geopolitical entities included in ISO 3166-1. It also contains a list of names of subdivisions of countries and geopolitical entities, together with the code element developed for each one of them.

01.140.10; 01.140.20; 01.140.30

SANS 3166-3:2005 / ISO 3166-3:1999 (2011-02-24)	
Codes for the representation of names of countries and their subdivisions Pa	art 3: Code for formerly used names of countries
PDF 16p EN	01.140.20: 01.140.30
Provides principles and maintenance arrangements of a code for the representatio and the consecutive edition of ISO 3166-1 (published in South Africa as an identica	on of country names removed from editions 1 to 4 of ISO 3166 al adoption under the designation SANS 3166-1).
SANS 3189-1:1985 / ISO 3189-1:1985 (2006-06-23) (SABS ISO 3189-1)	
Sockets for wire ropes for general purposes Part 1: General characteristics a	ind conditions of acceptance
Ed 1.00 A4 11p EN	Gr 8
PDF 11p EN	21.220.30
Lays down the dimensions necessary for interchangeability and specifies prototype with steel wire ropes within the nominal diameter range of 8 mm to 60 mm.	e test requirements and quality control of steel sockets for use
Am I (National), 2001-12-07 Cor I (international), 2006-06-23	Am 2(National), 2006-06-23
SANS 3189-2:1985 / ISO 3189-2:1985 (2010-12-09) (SABS ISO 3189-2)	
Sockets for wire ropes for general purposes Part 2: Special requirements for solid	sockets produced by forging or machined from the
Ed 1.00 A4 5p EN	Gr 5
PDF 5p EN	53.020.30
Specifies the special requirements for materials and the method of manufacture of Am 1(National), 2001-12-07 Am 2(National), 2005-09-02	sockets produced by forging or by machining from the solid.
SANS 3189-3:1985 / ISO 3189-3:1985 (2010-12-09) (SABS ISO 3189-3)	
Sockets for wire ropes for general purposes Part 3: Special requirements for	sockets produced by casting
Ed 1.00 A4 6p EN PDF 6p EN	Gr 5
Specifies the special requirements for materials, method of manufacture and quality	53.020.30
Am 1(National), 2001-12-07 Am 2(National), 2005-09-02	ty control of sockets produced by casting.
SANS 3210:1983 / ISO 3210:1983 (2007-02-09) (SABS ISO 3210)	
Anodizing of aluminium and its alloys - Assessment of quality of sealed anor after immersion in phosphoric-chromic acid solution	lic oxide coatings by measurement of the loss of mass
Ed 1.00 A4 7p EN	Gr 7
	25.220.20
immersion in phosphoric-chromic acid solution. Am 1(National), 2007-02-09	im and its alloys by measurement of the loss of mass after
SANS 3228:2005 / ISO 3228:1993 (2010-04-30)	
Rolling bearings - Cast and pressed housings for insert bearings	
Ed 1.00 A4 11p EN	Gr 7
	21.100.20
Specifies boundary dimensions and tolerances for cast and pressed housings for in SANS 9628.	nsert bearings for which boundary dimensions are given in
SANS 3233:1998 / ISO 3233:1998 (2007-06-29) (SABS ISO 3233)	
Paints and varnishes - Determination of percentage volume of non-volatile m	natter by measuring the density of a dried coating
PDF 16p EN	Gr 9 87 040
Specifies a procedure for determining the volume percentage of non-volatile matte density of a dried coating for any specified temperature range and period of drying Cor 1(International) , 2000-07-07 Am 1(National) , 2007-06-29	r in paints, varnishes and related products by measuring the or curing.
SANS 3251:2007 / ISO 3251:2003	
(SABS ISU 3251) Paints varnishes and plastics - Determination of non-volatile-matter content	
Ed 2.00 A4 11p EN	Gr 7
PDF 11p EN	87.040
Specifies a test method for determining the non-volatile matter content by mass of	paints and varnishes binders for paints and varnishes polyme

Specifies a test method for determining the non-volatile matter content by mass of paints and varnishes, binders for paints and varnishes, polymer dispersions and condensation resins such as phenolic resins.

Gr 6 23.040.70

SANS 3253:2004 / ISO 3253:1998 (2009-03-20)

Gas welding equipment - Hose connections for equipment for welding, cutting and allied processes

Ed	1.00	A4 10p EN
		PDF 10p EN

Lays down the dimensions and specifies the characteristics of the constituent parts of hose connections for equipment for welding, cutting and allied processes.

SANS 3270:1984 / ISO 3270:1984 (2012-03-02)

(SABS ISO 3270)

Paints and varnishes and their raw materials - Temperatures and humidities for conditioning and testing

Ed 1.0	0 A4 5p EN			Gr 5	
	PDF 5p EN			87.040	

Specifies conditions of temperature and relative humidity for general use in the conditioning and testing of paints and varnishes and their raw materials. Applies to paints and varnishes in liquid or powder form, to wet or dry films, and their raw materials. **Am 1(National), 2006-07-21**

SANS 3297:2009 / ISO 3297:2007

Information and documentation - International standard serial number (ISSN)

Ed 1.00	A4 27p EN	Gr 10
	PDF 27p EN	01.140.20

Defines and promotes the use of a standard code (ISSN) for the unique identification of serials and other continuing resources. Each international standard serial number (ISSN) is a unique identifier for a specific serial or other continuing resource in a defined medium. Also describes a mechanism, the "linking ISSN (ISSN-L)", that provides for collocation or linking among the different media versions of the same continuing resource.

SANS 3301:2004 / ISO 3301:1975 (2009-05-15)

Statistical interpretation of data - Comparison of two means in the case of paired observations Ed 1.00 A4 9p EN Gr 6

 PDF 9p EN		

Specifies a method for comparing the mean of a population of differences between paired observations with zero or any other preassigned value. It may be applied to establish a difference between two treatments, where "treatment" should be understood in a wide sense, e.g. as a test method, measuring instrument or laboratory involved, and is applicable under the conditions that the series of differences can be considered as a series of independent random items and the distribution of the differences is normal or approximately normal. If the distribution deviates from the normal, it remains valid provided the sample size is sufficiently large (100 or more).

03.120.30

SANS 3302-1:2003 / ISO 3302-1:1996 (2009-03-20)

Rubber -	Tolerances for products Part 1: Dimensional tolerances	
Ed 1.00	A4 12p EN	Gr 8
	PDF 12p EN	83 140 01

Specifes classes of dimensional tolerances, and their values, for moulded, extruded and calendered solid rubber products. Am 1(International), 2003-08-08

SANS 3302-2:2011 / ISO 3302-2:2008

Rubber -	Tolerances for products Part 2: Geometrical tolerances	
Ed 2.00	A4 13p EN	Gr 7
	PDF 13p EN	83.140.01

Specifies the geometrical tolerances for moulded and extruded solid rubber products.

SANS 3310-1:2000 / ISO 3310-1:2000 (2007-11-02) (SABS ISO 3310-1)

Test sieves - Technical requirements and testing Part 1: Test sieves of metal wire clothEd 1.00A4 21p ENGr 10PDF 21p EN19.120

Specifies the technical requirements and corresponding test methods for test sieves of metal wire cloth. Am 1(National), 2007-11-02 Cor 1(International), 2007-11-02

SANS 3310-2:1999 / ISO 3310-2:1999 (2007-08-31)

(SABS ISO 3310-2)

Test sieves - Technical requirements and testing Part 2: Test sieves of perforated metal plate

Ed 1.00	A4 16p EN	Gr 9
	PDF 16p EN	19.120

Specifies the technical requirements and corresponding test methods for test sieves of perforated metal plate. Applies to test sieves having round holes, with sizes from 125 mm down to 1 mm, or square holes, with sizes from 125 mm down to 4 mm, in accordance with ISO 565. **Am 1(National), 2007-08-31**

PDF 8p EN	59.140.30
Specifies a method for determining the tear strength of leather using a single edge is applicable to all types of leather.	d tear. The method is sometimes described as a trouser tear. It
SANS 3377-2:2011 / ISO 3377-2:2002 Leather - Physical and mechanical tests - Determination of tear load Part 2: D	ouble edge tear
Ed 1.00 A4 8p EN PDF 8p EN	Gr 6 59.140.30
Specifies a method for determining the tear strength of leather using a double edge tear. It is applicable to all types of leather.	ed tear. The method is sometimes described as the Baumann
SANS 3378:2011 / ISO 3378:2002 Leather - Physical and mechanical tests - Determination of resistance to grait	n cracking and grain crack index
Ed 1.00 A4 11p EN PDF 11p EN	Gr 7
Specifies a method for determining the resistance of leather to grain cracking and f leathers.	for determining the grain crack index. It is applicable to all
SANS 3379:2010 / ISO 3379:1976	
Leather - Determination of distension and strength of grain - Ball burst test	
Ed 1.00 A4 6p EN PDF 6p EN	Gr 5 59.140.30
Specifies a method for the determination of distension and strength of leather grain upper leather, but may also be applied to any light leather.	The method is intended particularly for use with boot and shoe
SANS 3380:2010 / ISO 3380:2002 Leather - Physical and mechanical tests - Determination of shrinkage temperative	ature up to 100 ℃
Ed 1.00 A4.9n EN	Gr Q
PDF 9p EN	59.140.30
Specifies a method for determination of the shrinkage temperature of leather up to	100 °C. It is applicable to all leathers.
SANS 3387:2003 / ISO 3387:1994 (2009-03-20)	
Rubbel - Determination of crystallization enects by hardness measurements	Gr. 6
PDF 8p EN	83.060
Specifies a test based on hardness measurements for determining the progressive Cor 1(International), 2003-08-08	stiffening of rubber with time, caused by crystallization
SANS 3448:2008 / ISO 3448:1992	
	0.0
PDF 9p EN	75.100
Establishes a system of viscosity classification for industrial liquid lubricants and re-	elated fluids.
SANS 3449:2008 / ISO 3449:2005	
Earth-moving machinery - Falling-object protective structures - Laboratory te	sts and performance requirements
Ed 2.00 A4 20p EN PDF 20p EN	Gr 9 53.100
Specifies laboratory tests for measuring the structural characteristics of, and gives object protective structures (FOPS) intended for use on ride-on earth-moving mach identical adoption under the designation SANS 261). Is applicable to both FOPS su separately for attachment to the machine. Is not intended to apply to FOPS intended pipelayers, for the additional seat for operation of an attachment (e.g. attachment b kW.	performance requirements in a representative test for, falling- nines as defined in ISO 6165 (published in South Africa as an upplied as an integral part of the machine and those supplied ed for use on landfill compactors, excavators, rollers, trenchers, backhoe), or on machines with a power rating of less than 15
SANS 3450:2003 / ISO 3450:1996 (2009-02-13) Earth-moving machinery - Braking systems of rubber-tyred machines - System	ms and performance requirements and test procedures
Ed 1 00 A4 10n EN	Gr 6
PDF 10p EN	53.100
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Specifies minimum performance and test criteria to assess the braking capability of earth-moving machinery operating on work sites or travelling on public roads. The standard covers service, secondary and parking brake systems and retarders. It applies to self-propelled, rubber-tyred loaders, tractors, graders, backhoe loaders, tractor-scrapers, excavators and dumpers.

NUMERICAL LIST OF STANDARDS

SANS 3377-1:2011 / ISO 3377-1:2002

Leather - Physical and mechanical tests - Determination of tear load Part 1: Single edge tear

Ed 1.00 A4 8p EN

Gr 6

Standards South Africa Catalogue 2013 NUM - 280

NUMERICAL LIST OF STANDARDS

SANS 3452-1:2009 / ISO 3452-1:2008

Non-destructive testing - Penetrant testing Part 1: Ger	ieral principles
Ed 1.00 A4 14p EN PDF 14p EN	Gr 7 19.100
Defines a method of penetrant testing used to detect disc surface of the material to be tested. It is mainly applied to inert to the test media and they are not excessively porous	ontinuities, e.g. cracks, laps, folds, porosity and lack of fusion, which are open to the metallic materials, but can also be performed on other materials, provided that they are s, examples of which are castings, forgings, welds, ceramics, etc.
SANS 3452-2:2009 / ISO 3452-2:2006 (SABS ISO 3452-2) Non-destructive testing - Penetrant testing Part 2: Tes Ed 2.00 A4 37p EN PDF 37p EN	ting of penetrant materials Gr 11
Specifies the technical requirements and test procedures tests and methods.	for penetrant materials for their type testing and batch testing. Also details on-site contro
SANS 3452-3:1998 / ISO 3452-3:1998 (2012-12-07) (SABS ISO 3452-3) Non-destructive testing - Penetrant testing Part 3: Ref Ed 1.00 A4 14p EN PDF 14p EN	erence test blocks Gr 7 19.100
Describes two types of reference blocks. Type 1 blocks and penetrant product families and Type 2 blocks are used for facilities and part-used containers. Am 1(National), 2006-11-17	e used to determine the sensitivity levels of both fluorescent and colour contrast routine assessment of the performance of both fluorescent and colour contrast penetrar

SANS 3452-4:1998 / ISO 3452-4:1998 (2012-12-07)

(SABS ISO 3452-4)

Non-destructive testing - Penetrant testing Part 4: Equipment

Ed 1.00	A4 12p EN	Gr 7
	PDF 12p EN	19.100

Specifies the characteristics of equipment used in penetrant testing. The characteristics of equipment required for carrying out penetrant testing depend on the number of tests to be made and on the size of the components to be tested. Two types of equipment are included, i.e. equipment suitable for carrying out in situ penetrant testing techniques and fixed installations.

Am 1(National), 2007-02-09

SANS 3471:2009 / ISO 3471:2008

Earth-moving machinery - Roll-over protective structures - Laboratory tests and performance requirements

Ed 2.00	A4 40p EN
	PDF 40p EN

Specifies performance requirements for metallic roll-over protective structures (ROPS) for earth-moving machinery, as well as a consistent and reproducible means of evaluating the compliance with these requirements by laboratory testing using static loading on a representative specimen. Applies to ROPS intended for the following mobile machines with seated operator and with a mass greater than or equal to 700 kg: dozer, loader, backhoe loader, dumper, pipelayer, tractor section (prime mover) of a combination machine (e.g. tractor scraper, articulated frame dumper), grader, landfill compactor, roller, and trencher. Does not apply to training seats or additional seats for operation of an attachment.

Gr 11 53.100

SANS 34	97:2008 / ISO 3497:2000	
(SABS ISO 3497)		
Metallic coatings - Measurement of coating thickness - X-ray spectrometric methods		
Ed 2.00	A4 23p EN	Gr 10
	PDF 23p EN	17.040.20

Specifies methods for measuring the thickness of metallic coatings by the use of X-ray spectrometric methods. The measuring methods are fundamentally those that determine the mass per unit area. Permits the simultaneous measurement of coating systems of up to three layers.

SANS 3512:2006 / ISO 3512:1992

Heavy-duty cranked-link transmission chains

Ed 1.00 A4 14p EN PDF 14p EN

Specifies dimensions (in mm), tolerances, measuring forces and minimum tensile strengths, together with the tooth gap forms and rim profiles of the associated chain wheels.

SANS 3534-1:2007 / ISO 3534-1:2006

Statistics - Vocabulary and symbols Part 1: General statistical terms and terms used in probability

Ed 2.00	A4 114p EN	-	Gr 16	-	-
	PDF 114p EN		01.040.03	; 01.075; 0)3.120.30

Defines general statistical terms and terms used in probability which may be used in the drafting of other International Standards. In addition, it defines symbols for a limited number of these terms. The terms are classified as: a) general statistical terms; b) terms used in probability.

Gr 7 21.220.30: 53.040.20

Standards South Africa Catalogue 2	013
NUM - 281	

PDF 126p EN	01.040.03; 01.075; 03.120.30
Defines applied statistics terms, and expresses them in a concept entries are arranged thematically. An alphabetical index is provide	tual framework in accordance with ISO normative terminology practice. Term ed. Standardized symbols and abbreviations are defined.
SANS 3534-3:2004 / ISO 3534-3:1999 (2009-05-15)	
Statistics - Vocabulary and symbols Part 3: Design of experir	nents
PDF 50p EN	
Defines the terms used in the field of design of experiments and r	nay be used in the drafting of other national standards.
SANS 3543:2008 / ISO 3543:2000	
(SABS ISO 3543)	
Metallic and non-metallic coatings - Measurement of thickness	ss - Beta backscatter method
Ed 2.00 A4 20p EN	Gr 9
PDF 20p EN	17.040.20
Specifies a method for the non-destructive measurement of coatin metallic coatings on both metallic and non-metallic substrates. Cor 1(International), 2008-11-14	ng thicknesses, using beta backscatter gauges. Applies to both metallic and non-
SANS 3548:2005 / ISO 3548:1999 (2010-04-30)	
Plain bearings - Thin-walled half bearings with or without flan	nge - Tolerances, design features and methods of test
Ed 1.00 A4 22p EN	Gr 9
PDF 22p EN	21.100.10
Specifies tolerances, design features and test methods for thin-wa and without flange up to an outside diameter of D0 of 500 mm.	alled half bearings with integral flange up to an outside diameter of D0 of 250 mm
SANS 3574:2011 / ISO 3574:2008 (SABS ISO 3574)	
Cold-reduced carbon steel sheet of commercial and drawing	qualities
Ed 3.00 A4 15p EN PDF 15p EN	Gr 7 77 140 50
Applies to cold-reduced carbon steel sheet of commercial and dra importance.	awing qualities. It is suitable for applications where the surface is of prime
SANS 3575:2008 / ISO 3575:2005 (SABS ISO 3575)	
Continuous hot-dip zinc-coated carbon steel sheet of comme	ercial and drawing qualities
Ed 2.00 A4 19p EN	Gr 9
PDF 19p EN	25.220.40; 77.140.50
Applies to carbon steel sheet of commercial and drawing qualities	s coated by the continuous hot-dip zinc-coating process.
SANS 3580:2011 / ISO 3580:2010 (SABS ISO 3580)	
Welding consumables - Covered electrodes for manual metal	l arc welding of creep-resisting steels - Classification
Ed 3.00 A4 29p EN	Gr 10
PDF 29p EN	25.160.20
Specifies requirements for the classification of covered electrodes welding of ferritic and martensitic creep-resisting and low alloy ele composition of the all-weld metal, with requirements for the yield system based on the tensile strength and the chemical composition	s, based on the all-weld metal in the heat-treated condition, for manual arc evated temperature steels. The classification is based on the chemical strength and average impact energy of 47 J of all-weld metal, or utilizing a on of all-weld metal.
SANS 3581:2008 / ISO 3581:2003 (SABS ISO 3581)	
Welding consumables - Covered electrodes for manual metal	l arc welding of stainless and heat-resisting steels - Classification
Ed 2.00 A4 29p EN	Gr 10
PDF 29p EN	25.160.20
Specifies the requirements for classification of covered electrodes	s, based on the all-weld metal chemical composition, the type of electrode

Gr 17

covering and other electrode properties, and the all-weld metal mechanical properties, in the as-weld or heat-treated conditions, for manual metal arc welding of stainless and heat-resisting steels.

SANS 3534-2:2007 / ISO 3534-2:2006

Ed 2.00 A4 126p EN PDF 126p EN

Statistics - Vocabulary and symbols Part 2: Applied statistics

SANS 3613:2008 / ISO 3613:2000 (SABS ISO 3613)

Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys - Test methods

Ed 2.00 A4 12p EN PDF 12p EN Gr 7

25.220.20

Specifies methods for the determination of the presence of colourless chromate conversion coatings; the presence and quantity of hexavalent chromium in colourless and coloured coatings on zinc, cadmium and certain aluminium-zinc alloys; the total chromium content per unit area on zinc and cadmium; the mass per unit area of both colourless and coloured coatings; the satisfactory adhesion of chromate conversion coatings; and the quality of chromate coatings. Applies to colourless and coloured chromate conversion coatings that contain tri- and hexavalent chromium and produced by either chemical or electrochemical processes. Applies only to chromate coatings that are free from any supplementary coatings such as oil, water or solvent-based polymers or wax.

SANS 3657:2003 / ISO 3657:2002 (2008-09-19)

Animal and vegetable fats and oils - Determination of saponification value Ed 1.00 A4 10p EN Gr 6

PDF 10p) EN	67.200.10

Specifies a method for the determination of the saponification value of animal and vegetable fats and oils. The saponification value is a measure of the free and esterified acids present in fats and fatty acids. The method is applicable to refined and crude vegetable and animal fats.

SANS 3668:1998 / ISO 3668:1998 (2006	6-07-21)	
Paints and varnishes - Visual compari	son of the colour of paints	
Ed 1.00 A4 12p EN PDF 12p EN		Gr 7 87.040
Specifies a method for the visual compar artificial light sources in a standard booth Am 1(National), 2006-07-21	rison of the colour of films of paints or relat n.	ted products against a standard using either natural daylight or
SANS 3696:1987 / ISO 3696:1987 (2012 (SABS ISO 3696)	2-03-30)	
Ed 1.00 A4 8p EN PDF 8p EN	pecification and test methods	Gr 6 71.040.30
Specifies the requirements and correspo Am 1(National), 2006-11-17	nding test methods for three grades of wa	ter for laboratory use for the analysis of inorganic chemicals.
SANS 3697:2012 / ASTM D 3697:2007 Standard test method for antimony in	water	
Ed 1.00 A4 5p EN PDF 5p EN		Gr 5 13.060.50
Covers the determination of dissolved an to 15 ig/L of antimony.	d total recoverable antimony in water by a	tomic absorption spectroscopy. Applicable in the range from 1
SANS 3741:1999 / ISO 3741:1999 (2006 (SABS ISO 3741)	<u>)</u> -12-15)	
Acoustics - Determination of sound po rooms	ower levels of noise sources using sour	nd pressure - Precision methods for reverberation
Ed 1.00 A4 40p EN PDF 40p EN		Gr 12 17.140.01
Specifies a direct method and a compari- environment at standard meteorological of instrumentation and techniques for obtain in octave or one-third-octave bands are of Cor 1(International), 2001-05-29	son method for determining the sound pov conditions. It specifies test room requiremen- ning an estimate of mean-square sound pr calculated with a grade 1 accuracy. Am 1(National), 2006-12-15	ver level that would be produced by a source operating in an ents, source location and general rules for operating conditions, ressure levels from which the sound power levels of the source
SANS 3743-1:2012 / ISO 3743-1:2010		

(SABS ISO 3743-1)

Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for small, movable sources in reverberant fields Part 1: Comparison method for a hard-walled test room

Ed 2.00	A4 43p EN	
	PDF 43p EN	

Specifies the various methods for determining the sound power levels and sound energy levels of noise sources; this includes the machinery, equipment and their components.

Gr 12 17.140.20

Standards South Africa Catalogue 2013

NUM - 283

Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for small, movable

SANS 3743-2:1994 / ISO 3743-2:1994 (2012-08-17) (SABS ISO 3743-2)

sources in reverberant fields Part 2: Methods for special reverberation	test rooms
Ed 1.00 A4 27p EN PDF 27p EN	Gr 10
Specifies a relatively simple engineering method for determining the sound pr carried out when the source is installed in a specially designed room having a This direct method eliminates the need for a reference sound source, but req Am 1(National), 2006-12-01	ower levels of small, movable noise sources. The measurements are a specified reverberation time over the frequency range of interest. uires the use of a special reverberation test room.
SANS 3744:2012 / ISO 3744:2010	
Acoustics - Determination of sound power levels and sound energy level methods for an essentially free field over a reflecting plane	els of noise sources using sound pressure - Engineering
Ed 2.00 A4.85n EN	Gr 15
PDF 85p EN	17.140.20
Specifies methods for determining the sound power level or sound energy level surface enveloping the noise source (machinery or equipment) in an environmer reflecting planes in frequency bands or with A-weighting applied for calculation	rel of a noise source from sound pressure levels measured on a nent that approximates to an acoustic free field near one or more ns.
SANS 3746:2012 / ISO 3746:2010	
Acoustics - Determination of sound power levels and sound energy leve using an enveloping measurement surface over a reflecting plane	els of noise sources using sound pressure - Survey method
Ed 2.00 A4 55p EN	Gr 13
PDF 55p EN	17.140.20
Specifies methods for determining the sound power level or sound energy level surface enveloping a noise source (machinery or equipment) in a test environ	rel of a noise source from sound pressure levels measured on a ment.
SANS 3759:2008 / ISO 3759:2007 (SABS ISO 3759) Textiles - Preparation, marking and measuring of fabric specimens and	garments in tasts for determination of dimensional change
Ed 2.00 A4.10p EN	Gr 6
PDF 10p EN	59 080 30: 61 020
Specifies a method for the preparation, marking and measuring of textile fabr dimensional change after specified treatment, e.g. washing, dry cleaning, so and to flat-woven, made-up textile articles.	ics, garments and fabric assemblies for use in tests for assessing king in water and steaming. Applicable to woven and knitted fabrics
SANS 3779:2010 / ISO 3779:2009 (SABS ISO 3779)	
Road vehicles - Vehicle identification number (VIN) - Content and struct	ure
Ed 2.00 A4 11p EN	Gr 7
PDF 11p EN	43.020
Specifies the content and structure of a vehicle identification number (VIN) in numbering system for road vehicles.	order to establish, on a worldwide basis, a uniform identification
SANS 3780:2010 / ISO 3780:2009 (SABS ISO 3780)	
Road vehicles - World manufacturer identifier (WMI) code	
Ed 2.00 A4 10p EN	Gr 6
PDF 10p EN	43.020
Specifies the content and structure of an identifier in order to establish, on a world manufacturer identifier (WMI) constitutes the first section of the vehicle South Africa as an identical adoption under the designation SANS 3779).	worldwide basis, the identification of road vehicle manufacturers. The identification number (VIN) described in ISO 3779 (published in
SANS 3795:1989 / ISO 3795:1989 (2011-09-16) (SABS ISO 3795)	
Road vehicles, and tractors and machinery for agriculture and forestry -	Determination of burning behaviour of interior materials
Ed 1.00 A4 11p EN	Gr 7

PDF 11p EN 13.220.40; 43.040.60; 65.060.10

Specifies a method for determining the horizontal burning rate of materials used in the occupant compartment of road vehicles (for example, passenger cars, lorries/trucks, estate cars, coaches), and of tractors and machinery for agriculture and forestry, after exposure to a small flame. This method cannot be considered suitable for evaluation of all true in-vehicle burning characteristics.

Am 1(National), 2006-04-07

Ed 1.00	A4 14p EN	Gr 7
		23.040.70
Specifies particular	r requirements for rubber hoses (including twin hoses) for welding, cutting, heating, brazing and metallization.	g and allied processes. The term "allied processes" means, in
SANS 38 Quality r requirem	34-1:2006 / ISO 3834-1:2005 (2012-10-05) equirements for fusion welding of metallic materials Part 1: Criteria tents	for the selection of the appropriate level of quality
Ed 2.00	A4 14p EN	Gr 7
	PDF 14p EN	25.160.10
Provides workshop	criteria for selection of the appropriate level of quality for fusion welding os and at field installation sites. This standard does not specify requirement	of metallic materials. Applies to manufacturing, both in the ents for a total quality management system.
SANS 38 Quality r	34-2:2006 / ISO 3834-2:2005 (2012-10-05) requirements for fusion welding of metallic materials Part 2: Compr	ehensive quality requirements
Ed 2.00	A4 15p EN	Gr 8
	PDF 15p EN	25.160.10
Defines s	standard quality requirements for fusion welding of metallic materials bot	h in workshops and at field installation sites.
SANS 38 Quality r	34-3:2006 / ISO 3834-3:2005 (2012-10-05) equirements for fusion welding of metallic materials Part 3: Standa	rd quality requirements
Ed 2.00	A4 14p EN	Gr 7
	PDF 14p EN	25.160.10
Defines of	comprehensive quality requirements for fusion welding of metallic materia	als both in workshops and at field installation sites.
SANS 38 Quality r	334-4:2006 / ISO 3834-4:2005 (2012-10-05)	stary quality requirements
Ed 2.00	A4 8n FN	Gr 6
24 2.00	PDF 8p EN	25.160.10
Defines e	elementary quality requirements for fusion welding of metallic materials b	both in workshops and at field installation sites.
CANC 20	24 5-2006 / ICO 2024 5-2005	
Quality r	equirements for fusion welding of metallic materials Part 5: Docum ity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 383	ents with which it is necessary to conform to claim 4-4
Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	25.160.10
Specifies 3834-4	the documents with which it is necessary to conform to claim conformit	y to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO
SANS 38	34-6:2009 / ISO/TR 3834-6:2007	
	A4 225 EN	
Lu 1.00	PDF 28p EN	25 160 01
Gives gu select tha	idelines for the implementation of requirements given in the other parts of at part of SANS 3834 appropriate to their needs.	of SANS 3834, and is intended to help manufacturers and users
SANS 38	359:2012 / ASTM D 3859:2008	
Standard	d test methods for selenium in water	
Ed 1.00	A4 12p EN PDF 12p EN	Gr 7 13.060.50
Covers the forms of step.	ne determination of dissolved and total recoverable selenium in most wa dissolved selenium. Applicable also to particulate forms of the element,	ters and wastewaters. Applicable to both inorganic and organic provided that they are solubilized in the appropriate acid digesti
SANS 38	82:2008 / ISO 3882:2003	
(SABS IS	SO 3882)	
Metallic	and other inorganic coatings - Review of methods of measurement	of thickness

SANS 3821:2004 / ISO 3821:1998 (2009-03-20)

Gas welding equipment - Rubber hoses for welding, cutting and allied processes

Defines a	standard quality requirements for fusion	n welding of metallic materials both in workshops and at field inst
SANS 38	834-3:2006 / ISO 3834-3:2005 (2012-1	0-05)
Quality I	requirements for fusion welding of n	netallic materials Part 3: Standard quality requirements
Ed 2.00	A4 14p EN	Gr 7
	PDF 14p EN	25.160.10
Defines of	comprehensive quality requirements fo	r fusion welding of metallic materials both in workshops and at field
SANS 38	834-4:2006 / ISO 3834-4:2005 (2012-1	0-05) notallia materiale Part 4: Elementary quality requirements

Quality re	equirements for fusion welding of metallic materials Part	4: Elementary quality requirement
Ed 2.00	A4 8p EN	Gr 6
	PDF 8p EN	25.160.10
Defines o	lomentery quelity requirements for fusion welding of metallic	materials both in workshaps and a

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Quality requirements f	or fusion welding	of metallic materials F	Part 6: Guidelines	on implementing	ISO 3834
Quality requirements i	or rusion weruning	of metanic materials i	art o. Guidennes	on implementing	100 300-

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Me inorganic coatings - Review of methods of measurement of

Ed 2.00 A4 16p EN PDF 16p EN Gr 8 17.040.20

Reviews methods for measuring the thickness of metallic and other inorganic coatings on both metallic and non-metallic substrate, but is limited to tests already specified, or to be specified and excludes certain tests that are used for special applications.

SANS 3892:2000 / ISO 3892:2000 (2007-02-09) (SABS ISO 3892)	
Conversion coatings on metallic materials - Determination of coating mass	ber unit area - Gravimetric methods
Ed 2.00 A4 11p EN PDF 11p EN	Gr 8 25.220.99
Specifies gravimetric methods for determining the coating mass per unit area of c Am 1(National), 2007-02-09	onversion coatings on metallic materials.
SANS 3894:2007 / ISO 3894:2005	
Road vehicles - Wheels/rims for commercial vehicles - Test methods	
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	43.040.50
Specifies three laboratory methods for testing certain essential strength character intended for road use on commercial vehicles, buses, trailers and multipurpose para) disc wheel dynamic cornering fatigue test; b) disc wheels and wheels with demodemountable rims - dynamic cornering fatigue test.	istics of disc wheels, spoke wheels and demountable rims assenger vehicles, as defined in ISO 3833. The test methods are ountable rims - dynamic radial fatigue test; and c) wheels with
SANS 3901:2009 / ISO 3901:2001	
Information and documentation - International standard recording code (ISR	(C)
Ed 1.00 A4 14p EN PDE 14p EN	Gr 7
	01.140.20
Defines and promotes the use of a standard code for the unique identification of recordings regardless of whether they are in analogue or digital formats. May not l compact discs or videocassettes).	ecordings. May be applied to audio recordings and music video be used for the numbering of audio or audiovisual carriers (e.g.
SANS 3950:2008 / ISO 3950:1995	
Dentistry - Designation system for teeth and areas of the oral cavity	
Ed 1.00 A4 5p EN	Gr 6
PDF 5p EN	11.060.01
Provides a system for designating teeth or areas of the oral cavity using two digits using letters of the alphabet.	. It also provides a system for designating surfaces of the teeth
SANS 3951-1:2008 / ISO 3951-1:2005 Sampling procedures for inspection by variables Part 1: Specification for sir (AQL) for lot-by-lot inspection for a single quality characteristic and a single	ngle sampling plans indexed by acceptance quality limit AQL
Ed 1.00 A4 114p EN	Gr 16
PDF 114p EN	03.120.30
Specifies an acceptance sampling system of single sampling plans for inspection determined from an estimate of the percentage of nonconforming items in the pro-	by variables, in which the acceptability of a lot is implicitly cess, based on a random sample of items from the lot.
SANS 3951-2:2008 / ISO 3951-2:2006 Sampling procedures for inspection by variables Part 2: General specification quality limit (AQL) for lot-by-lot inspection of independent quality characteristic	on for single sampling plans indexed by acceptance
Ed 1.00 A4 92p EN	Gr 15
PDF 92p EN	03.120.30
Specifies an acceptance sampling system of single sampling plans for inspection (AQL).	by variables, indexed in terms of the Acceptance Quality Limit
SANS 3951-3:2008 / ISO 3951-3:2007 Sampling procedures for inspection by variables Part 3: Double sampling so	hemes indexed by acceptance quality limit (AQL) for lot-
Ed 1 00 A4 1225 EN	Gr 16
PDF 122p EN	03.120.30
Specifies an acceptance sampling system of double sampling schemes for inspect terms of the Acceptance Quality Limit (AQL). The objectives of the methods laid do probability of acceptance and that the probability of non-accepting inferior lots is a	tion by variables for percent nonconforming. It is indexed in own are to ensure that lots of acceptable quality have a high s high as practicable.
SANS 3951-5:2008 / ISO 3951-5:2006	
Sampling procedures for inspection by variables Part 5: Sequential sampling inspection by variables (known standard deviation)	g plans indexed by acceptance quality limit (AQL) for
Ed 1.00 A4 43p EN	Gr 12
PDF 43p EN	03.120.30
Specifies a system of sequential sampling plans (schemes) for lot-by-lot inspectio series of Acceptance Quality Limit (AQL) values, ranging from 0,01 to 10, which a	n by variables. The schemes are indexed in terms of a preferred re defined in terms of percent nonconforming items. The

schemes are designed to be applied to a continuing series of lots.

purposes Am 1(Na	tional), 2012-08-24	
SANS 40 Civil eng	01-BT2:2012 ineering test methods Part BT2: Cutbac	k bitumen
Ed 1.00	A4 8p EN PDE 8p EN	Gr 5
Applies to purposes	b bituminous materials and covers the requ	irements for three types of cutback bitumen suitable for road construction and similar
SANS 40 (SABS IS	30:1983 / ISO 4030:1983 (2011-03-25) SO 4030)	
Road ve	hicles - Vehicle identification number (V	IN) - Location and attachment
Ed 1.00	A4 4p EN PDF 4p EN	Gr 4 43 020
Specifies mopeds. Am 1(Na	the requirements for the location and mark	king of the vehicle identification number (VIN) on motor vehicles, trailers, motorcycles and
SANS 40	44:2007 / BS 4044:1989	ah aawtay diagyam
	A4 14p EN	Gr 7
Lu 1.00	PDF 14p EN	59.060.01
Describe applicabl fibres wit woollen a	s methods for the determination of fibre len e to samples composed of individual fibres h a fibre length of approximately 50 mm. M and worsted systems.	gth by the use of a comb sorter diagram. Two procedures are described. Method A is , particularly to samples of cotton fibres, and to samples of waste silk and uncrimped star ethod B is applicable to twistless combed slivers and prepared rovings of a type used in the same start of
SANS 40 Leather	45:2010 / ISO 4045:2008 • Chemical tests - Determination of pH	
Ed 1.00	A4 8p EN	Gr 6
	PDF 8p EN	59.140.30
Specifies	a method for determining the pH value and	d the difference figure of an aqueous leather extract.
SANS 40 (SABS IS	47:1977 / ISO 4047:1977 SO 4047)	
Leather -	Determination of sulphated total ash an	nd sulphated water-insoluble ash
Ed 1.00		Gr 5
Specifies	a method for the determination of the suln	59.140.30
opeomeo		
SANS 40 (SABS IS	63:2011 / ISO 4063:2009 SO 4063)	
Welding	and allied processes - Nomenclature of	processes and reference numbers
Ed 3.00	A4 26p EN PDF 26p EN	Gr 10
Fetablish	es a nomenclature, with reference number	01.040.25; 01.100.20; 25.160.50
	es a nomenciature, with reference fulliber	s, for working and amou processes.

Ed 1.01 A4 8p EN PDF 8p EN 91.100.50; 93.080.20 Applies to bituminous materials and covers the requirements for four penetration grades of bitumen suitable for road construction and similar

Road vehicles - Brake hose assemblies for hydraulic braking systems used with non-petroleum-base brake fluid

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Ed 1.00 A4 18p EN

SANS 4001-BT1:2012

PDF 18p EN

Civil engineering test methods Part BT1: Penetration grade bitumen

SANS 3996:2007 / ISO 3996:1995 (2009-03-20)

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Methods	for determination of fibre length by comb sorter diagram	
Ed 1.00	A4 14p EN	Gr 7
	PDF 14n FN	50 000 01

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Leather	- Chemical tests - Determination of pH	
Ed 1.00	A4 8p EN PDF 8p EN	Gr 6 59.140.30

NUMERICAL LIST OF STANDARDS

Specifies the test procedures for, and performance requirements and marking of hydraulic brake hose assemblies to be used in hydraulic brake systems of road vehicles of which the nominal inside diameter of the hose is 3, 2 mm or 4, 8 mm. Applies to assemblies made of a hose fabricated from cord and synthetic elastomers and assembled with metal end fittings for use with non-petroleum-base brake fluids.

> Standards South Africa Catalogue 2013 NUM - 286

Gr 5

Gr 8 43.040.40

SANS 4065:1996 / ISO 4065:1996 (2012-06-15) (SABS ISO 4065)	
Thermoplastics pipes - Universal wall thickness table	
Ed 1.00 A4 12p EN	Gr 7
F DI 12p EN	23.040.20; 83.080.20
Specifies the relationship between the nominal wall thickness en and the nominal smooth thermoplastics pipes of constant circular cross-section along the whole I composition or their intended application. Am 1(National), 2007-06-01	al outside diameter dn of thermoplastics pipes. It is applicable to ength of the pipe, whatever their method of manufacture, their
SANS 4074:2003 / ISO 4074:2002 (2009-03-20)	
Natural latex rubber condoms - Requirements and test methods	
Ed 1.00 A4 52p EN	Gr 13
PDF 52p EN	11.200
Specifies the minimum requirements and the test methods to be used for condo consumers for contraceptive purposes and to assist in the prevention of sexually Cor 1(International), 2004-04-23 Cor 2(International), 2009-03-20	ms made from natural rubber latex which are supplied to r transmitted infections.
SANS 4091:2005 / ISO 4091:2003 (2010-12-09) (SABS ISO 4091)	
Road vehicles - Connectors for the electrical connection of towing and tow	red vehicles - Definitions, tests and requirements
Ed 2.00 A4 23p EN	Gr 10
PDF 23p EN	43.040.10
Gives definitions and specifies tests and requirements for connectors used for the	ne electric connection of towing and towed road vehicles.
SANS 4008:2010 / ISO 4008:2006	
Leather - Chemical tests - Determination of water-soluble matter, water-sol	uble inorganic matter and water-soluble organic matter
Ed 1.00 A4 10p EN	Gr 6
PDF 10p EN	59.140.30
Specifies a method of determination of water-soluble matter, water-soluble inorg leather types.	ganic matter and water-soluble organic matter. It is applicable to all
SANS 4136:2004 / ISO 4136:2001 (2010-04-30) (SABS ISO 4136)	
Destructive tests on welds in metallic materials - Transverse tensile test	
Ed 2.00 A4 14p EN	Gr 7
PDF 14p EN	25.160.40
Specifies the sizes of test specimen and the procedure for carrying out transvers location of fracture of a welded butt joint and it also applies to metallic materials process.	se tensile tests in order to determine the tensile strength and the in all forms of product with joints made by any fusion welding
SANS 4217:2009 / ISO 4217:2008	
Codes for the representation of currencies and funds	0- 11
Ed 1.00 A4 33p EN PDF 33p EN	Gr 11 01 140 20: 02 060
Specifies the structure for a three-letter alphabetic code and an equivalent three For those currencies with minor units, it also shows the decimal relationship betw a maintenance agency, and specifies the method of application for codes. Is inter where currencies and, where appropriate, funds are required to be described. Is who employ automated systems.	-digit numeric code for the representation of currencies and funds. ween such units and the currency itself. Establishes procedures for ended for use in any application of trade, commerce and banking, designed to be equally suitable for manual users and for those
SANS 4224:2012 / ISO 4224:2000 Ambient air - Determination of carbon monoxide - Non-dispersive infrared :	spectrometry method
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	13.040.20
Specifies a non-dispersive infrared spectrometry method for the continuous anal ambient air.	ysis and recording of the carbon monoxide (CO) content of the
SANS 4301-1:2002 / ISO 4301-1:1986 (2008-07-18)	
Cranes and lifting appliances - Classification Part 1: General	
Ed 1.00 A4 6p EN	Gr 5
PDF 6p EN	53.020.01
Establishes a general classification of cranes based on the number of operating load spectrum factor which represents a nominal state of loading.	cycles to be carried out during the expected life of the crane and a

Specifies the conditions to be taken into consideration when verifying the stability of a mobile crane by calculation, assuming that the crane is

SANS 4306-3:2007 / ISO 4306-3:2003 anes - Vocabulary Part 3. Tower cranes С

Cranes -	Vocabulary Part 3: Tower cranes	
Ed 1.00	A4 25p EN	Gr 10
	PDF 25p EN	01.040.53; 53.020.20

Establishes definitions in English, French and Russian for the most commonly used terms in the field of cranes. Gives the general definition of a tower crane and illustrates the terminology used with each type of tower crane by the use of figures with referenced term numbers. It is applicable to (a) tower cranes that can be assembled and dismantled; and (b) permanently erected tower cranes. It is not applicable to (a) mobile boom cranes which may be fitted with a tower attachment; and (b) erection masts, with or without jibs.

SANS 4308-1:2005 / ISO 4308-1:2003 (2010-12-09) (SARS ISO 4308-1)

(SADS 13	50 4308-1)	
Cranes and lifting appliances - Selection of wire ropes Part 1: General		
Ed 2.00	A4 27p EN	Gr 10
	PDF 27p EN	53.020.01

Specifies two methods for the selection of wire ropes to be used on lifting appliances. Establishes the minimum requirements for acceptable strength and performance levels with respect to design, application and maintenance of the lifting appliance.

NUMERICAL LIST OF STANDARDS

SANS 4301-2:2010 / ISO 4301-2:2009 **Cranes - Classification Part 2: Mobile cranes**

Ed 2.00 A4 7p EN PDF 7p EN

Establishes a system of classification for mobile cranes and related crane mechanisms, based on the number of operating cycles to be carried out during a crane's expected life, representing a nominal state of loading.

SANS 4301-3:2002 / ISO 4301-3:1993 (2008-07-18) Cranes - Classification - Part 3: Tower cranes

Cianes -	Classification - Fait 5. Tower claims	
Ed 1.00	A4 5p EN	Gr 5
	PDF 5p EN	53.020.

Establishes a classification of tower cranes as defined in ISO 4306-3, according to their category. It applies to the classification of tower cranes for building and general construction work that can be dismantled, permanently erected tower cranes, hammerhead cranes, dockside and shipbuilders' tower cranes.

SANS 4301-5:1991 / ISO 4301-5:1991 (2011-09-23)

(SABS IS	SO 4301-5)	
Cranes -	Classification Part 5: Overhead travelling and portal bridge cranes	
Ed 1.00	A4 5p EN	Gr 6
	PDF 5p EN	53.020.20

Establishes the classification of overhead travelling cranes and portal bridge cranes based on the number of operating cycles to be carried out during the expected life of the appliance and its mechanisms, and a load spectrum factor which represents the nominal state of loading. Am 1(National), 2006-02-24

SANS 4302:2002 / ISO 4302:1981 (2008-07-18)

Cranes - Wind load assessment Ed 1.00 A4 8p EN Gr 6 PDF 8p EN 53.020.20

Gives a simplified method of calculation and assumes that the wind can blow horizontally from any direction, that the wind blows at a constant velocity and that there is a static reaction to the loadings it applies to the crane structure.

SANS 4304:2008 / ISO 4304:1987

Cranes other than mobile and floating cranes - General requirements for stability Ed 1.00 A4 6p EN Gr 5 PDF 6p EN 53.020.20

Specifies the conditions to be met when verifying, by calculation, the stability of all crane types defined in ISO 4306-1 that are subject to tipping (except mobile cranes and floating cranes); it assumes that they are standing on a firm, level supporting surface or track. The sliding of cranes on their tracks is not covered by this standard.

SANS 4305:2007 / ISO 4305:1991

Mobile cranes - Determination of stability

Ed	1.00	A4 8p E PDF 8p	N EN		-				Gr 6 53.0	6 20.20	
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operating on a firm and level surface (up to 1 % gradient). Applies to mobile cranes as defined in ISO 4306-2, i.e. appliances mounted on wheels (tyres) or crawlers, with or without outriggers.

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Standards South Africa Catalogue 2013 NUM - 289

NUMERICAL LIST OF STANDARDS

Gr 5

53.020.01

SANS 4308-2:2007 / ISO 4308-2:1988

Cranes and lifting appliances - Selection of wire ropes Part 2: Mobile cranes - Coefficient of utilization

Ed 1.00 A4 5p EN PDF 5p EN

Establishes the values of the minimum practical coefficient of utilization, Zp, as defined in ISO 4308-1 (published in South Africa as an identical adoption under the designation SANS 4308-1), for ropes and rotation-resistant ropes used on mobile cranes.

SANS 4309:2005 / ISO 4309:2004

(SABS ISO 4309)

Cranes - Wire ropes - Care, maintenance, installation, examination and discard

Ed 2.00	A4 4/p EN	Gr 12
	PDF 47p EN	53.020.30

Specifies the examination and discard criteria of wire rope applicable to cranes. The cranes may be used for hook, grabbing, magnet, ladle, excavator or stacking duties and may be operated manually, mechanically, electrically or hydraulically.

SANS 4310:2002 / ISO 4310:1981 (2008-07-18)

Cranes - Test code and procedures				
Ed 1.00	A4 6p EN	Gr 5		
	PDF 6p EN	53.020.20		

Specifies the tests and procedures to be followed in order to verify that a crane conforms to its operational specifications and is capable of lifting rated loads.

SANS 4344:2005 / ISO 4344:2004 (2011-03-04)

(SABS ISO 4344)

Steel wire ropes for lifts - Minimum requirements Ed 2.00 A4 35p EN

PDF 35p EN 77.140.65; 91.140.90 Specifies the characteristics of steel wire ropes used for suspension purposes with passenger-carrying lifts or goods lifts, moving between vertical guides or guides inclined to an angle not exceeding 15° to the vertical.

SANS 4347:2006 / ISO 4347:2004

Leaf-cha	ins, clevises and sheaves - Dimensions, measuring forces and tensil	e strengths
Ed 1.00	A4 20p EN	Gr 9
	PDF 20p EN	21.220.30

Specifies the characteristics of chains used for general lifting purposes, together with the rim profiles of sheaves and the chain attachment ends of clevises. It gives dimensions, limits for interchangeability, length measurement, preloading and minimum tensile strengths.

SANS 4348:1983 / ISO 4348:1983 (2006-08-18)

(SABS ISO 4348)

Flat-top chains and associated chain wheels for conveyors

Ed 1.00	A4 12p EN	Gr 7
	PDF 12p EN	53.040.20

Specifies the characteristics of flat-top chains and associated chain wheels as used principally on conveyors for bottles. Covers dimensions, limits for interchangeability, measuring loads and minimum ultimate tensile strengths. Am 1(National), 2006-08-18

SANS 43 Standard	74:2007 / ASTM D 4374:2006 I test methods for cyanides in water - Automated methods for total cy	vanide, weak acid dissociable cyanide, and thiocyanate
Ed 1.00	A4 16p EN	Gr 8
	PDF 16p EN	13.060.50

Covers the determination of different species of cyanides and thiocyanate in water, waste water, sludges and sediments, namely weak acid dissociable cyanide, total cyanide, and thiocyanate.

SANS 4378-1:2010 / ISO 4378-1:2009

PDF 45p EN

Plain bearings - Terms, definitions, cla	assification and symbols Part 1: Design,	bearing materials and their properties
Ed 2.00 A4 45p EN		Gr 12

Gives the most commonly used terms relating to design, bearing materials and their properties of plain bearings with their definitions and classification. For some terms and word-combinations, their short forms are given, which can be used where they are unambiguous. Selfexplanatory terms are given without definitions.

SANS 4378-2:2010 / ISO 4378-2:2009

Plain bearings - Terms, definitions, classification and symbols Part 2: Friction and wear

Ed 2.00	A4 23p EN	Gr 10
	PDF 23p EN	01.040.21; 21.100.10

Gives the most commonly used terms relating to lubrication of plain bearings with their definitions and classification. For some terms and wordcombinations their short forms are given, which can be used when they are unambiguous. Self-explanatory terms are given without definitions.

Gr 11

01.040.21: 21.100.10

Plain bearings - Terms, definitions, classification and symbols Part 3: Lubri	cation			
Ed 2.00 A4 31p EN	Gr 11			
PDF 31p EN	21.100.10			
Gives the most commonly used terms relating to lubrication of plain bearings with combinations, their short forms are given, which can be used when they are unan	Gives the most commonly used terms relating to lubrication of plain bearings with their definitions and classification. For some terms and word- combinations, their short forms are given, which can be used when they are unambiguous. Self-explanatory terms are given without definitions.			
SANS 4379:2005 / ISO 4379:1993 (2010-05-07) Plain bearings - Copper alloy bushes				
Ed 1.00 A4 10p EN	Gr 6			
PDF 10p EN	21.100.10			
Specifies dimensions and tolerances for cylindrical and flanged bushes with intern	nal diameter, d1, in the range 6 mm to 200 mm.			
SANS 4381:2005 / ISO 4381:2000 (2010-05-07) Plain bearings - Lead and tin casting alloys for multilayer plain bearings				
Ed 1.00 A4 11p EN	Gr 7			
PDF TIP EN	21.100.10; 77.120.60			
Specifies requirements for bearing metals based on lead and tin casting alloys fo	r multilayer plain bearings.			
SANS 4382-1:2005 / ISO 4382-1:1991 (2010-05-07) Plain bearings - Copper alloys Part 1: Cast copper alloys for solid and multi	layer thick-walled plain bearings			
Ed 1.00 A4 11p EN	Gr 7			
PDF TIP EN	21.100.10			
Specifies requirements for cast copper alloys for use in solid and multilayer thick- available for general purposes.	walled plain bearings. Gives a limited selection of alloys currently			
SANS 4382-2:2005 / ISO 4382-2:1991 (2010-05-07) Plain bearings - Copper alloys Part 2: Wrought copper alloys for solid plain	bearings			
Ed 1.00 A4 7p EN	Gr 6			
PDF ⁷ p EN	21.100.10			
Specifies requirements for wrought copper alloys for use in solid plain bearings, p available for general purposes.	particularly for bushes. Gives a limited selection of alloys currently			
SANS 4383:2005 / ISO 4383:2000 (2010-04-30) Blein beeringe Multilever meteriale for thin welled plein beeringe				
Fram bearings - multilayer materials for thin-walled plain bearings	Cr 7			
PDF 12p EN	Ci 7 21 100 10: 77 120 60			
Specifice requirements for multilayer materials for the manufacture of this walled	plain bearings (half bearings, bushes and thrust washers)			
Specifies requirements for multilayer materials for the manufacture of thin-walled	plain beanings (nan beanings, busiles and thrust washers).			
SANS 4384-1:2005 / ISO 4384-1:2000 (2010-04-30) Plain bearings - Hardness testing of bearing metals Part 1: Compound mate	rials			
Ed 1.00 A4 8p EN	Gr 6			
PDF 8p EN	21.100.10			
Specifies parameters for the hardness testing of compound materials for plain be copper and aluminium, manufactured by casting, sintering or plating.	arings made from steel and bearing metals based on lead, tin,			
SANS 4384-2:2005 / ISO 4384-2:1982 (2010-04-30) Plain bearings - Hardness testing of bearing metals Part 2: Solid materials				
Ed 1 00 A4 4p EN	Gr 4			
PDF 4p EN	01.040.21: 21.100.10			
Specifies parameters for the hardness testing of solid materials for plain bearings machining and forming of their wrought products and ingots and of lead and tin in	made from cast and wrought copper and aluminium alloys by gots.			
SANS 4385:2005 / ISO 4385:1981 (2010-04-30)	-			
Plain bearings - Compression testing of metallic bearing materials				
Ed 1.00 A4 7p EN	Gr 6			
PDF /p EN	21.100.10			
Specifies a method for the compression testing of metallic bearing materials.				
SANS 4386-1:2005 / ISO 4386-1:1992 (2010-04-30) Plain bearings - Metallic multilayer plain bearings Part 1: Non-destructive u	trasonic testing of bond			
Ed 1.00 A4 13p EN	Gr 7			
PDF 13p EN	21.100.10			
Specifies an ultrasonic testing method for determining bond defects between the method in which the probe is applied from bearing metal side.	bearing metal and backing. Describes in detail the pulse-echo			

SANS 4378-3:2010 / ISO 4378-3:2009

NUMERICAL LIST OF STANDARDS

Dent O. New destauration was stored to atte

Gr 6

21.100.10

SANS 4386-2:2005 / ISO 4386-2:1982 (2010-04-30) Plain bearings - Metallic multilayer plain bearings Part 2: Destructive testing of bond for bearing metal layer thicknesses >= 2mm

Specifies a method of test for the determination of bond strength between the bearing metal and the backing.

SANS 4386-3:2005 / ISO 4386-3:1992 (2010-04-30)

Plain be	arings - Metallic multilayer plain bearings i	Part 3: Non-destructive penetrant testing
Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	21.100.10

Specifies a non-destructive penetrant testing for determining bond defects and discontinuities in the sliding surface of the bearing.

SANS 4427:1996 / ISO 4427:1996 (2009-07-31) (SABS ISO 4427)

Polyethylene (PE) pipes for water supply - Specifications

Ed 1.00 A4 20p EN PDF 20p EN

Ed 1.00 A4 7p EN

PDF 7p EN

Specifies the required properties of pipes made from polyethylene (PE) to be used for buried water mains and services and for water supply above ground both inside and outside buildings. In addition, it specifies some general properties of the material from which these pipes are made, including a classification scheme.

SANS 4427-1:2008 / ISO 4427-1:2007

Plastics piping systems - Polyethylene (PE) pipes and fittings for water supply - Part 1: General

Ed 1.00 A4 21p EN PDF 21p EN

Specifies the general aspects of polyethylene (PE) piping systems (mains and service pipes) intended for the conveyance of water for human consumption, including raw water prior to treatment and water for general purposes.

SANS 4427-2:2008 / ISO 4427-2:2007

Plastics piping systems - Polyethylene (PE) pipes and fittings for water supply - Part 2: Pipes			
Ed 1.00 A4 25p EN	Gr 10		
PDF 25p EN	23.040.20; 91.140.60; 93.025		
Specifies the pipes made from polyethylene (PE) intended for t treatment and water for general purposes.	the conveyance of water for human consumption, including raw water prior to		

.

SANS 4427-3:2008 / ISO 4427-3:2007

Plastics piping systems - Polyethylene (PE) pipes and fittings for water supply - Part 3: Fittings

Ed 1.00 A4 38p EN Gr 11 PDF 38p EN 23.040.45; 91.140.60; 93.025

Specifies the general aspects of fittings made from polyethylene (PE) for piping systems intended for the conveyance of water for human consumption, including raw water prior to treatment and water for general purposes.

SANS 4427-5:2008 / ISO 4427-5:2007

Plastics	piping systems - Polyethylene (PE) pipes and	I fittings for water supply - Part 5: Fitness for purpose of the system
Ed 1.00	A4 12p EN	Gr 7
	PDF 12p EN	23.040.20; 23.040.45; 91.140.60; 93.025
Specifies water for	the characteristics of the fitness for purpose of human consumption, including raw water prior to	assembled piping systems made from polyethylene (PE) intended for the conveyance of o treatment and water for general purposes.
SANS 44	35:2010 / ISO 4435:2003	
Plastics	piping systems for non-pressure undergroun	d drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U)
Ed 1.00	A4 27p EN	Gr 10
	PDF 27p EN	83.140.30; 93.030
Specifies undergrou	the requirements for unplasticized poly(vinyl chl und drainage and sewerage for the conveyance	oride) (PVC-U) pipes, fittings and piping systems intended for use for non-pressure of soil and waste discharge of domestic and industrial origin, as well as surface water.

SANS 4437:2008 / ISO 4437:2007

(SABS IS	SO 4437)	
Buried p	olyethylene (PE) pipes for the supply of gaseous fuels -	Metric series - Specifications
Ed 2.00	A4 27p EN	Gr 10
	PDF 27p EN	23.040.20

Specifies the general properties of polyethylene (PE) compounds for the manufacture of pipes, the physical and mechanical properties of the pipes made from these compounds, and the requirements for the marking of such pipes, intended to be used for the supply of gaseous fuels.

Gr 9

23.040.20; 23.040.45; 91.140.60; 93.025

Gr 9 83.140.30; 91.140.60

SANS 4516:2008 / ISO 4516:2002 (SABS ISO 4516) Matelia and other increasing a Vielana and Knoop microbardness to	ata
Metallic and other inorganic coatings - vickers and knoop micronardness te	ISIS
Ed 2.00 A4 17p EN PDF 17p EN	Gr 8 25.220.40
Describes the application of the Vickers and Knoop micro-indentation tests for det coatings. Applicable where indenter forces generally need to be below 10 N.	ermining the microhardness of metallic and other inorganic
SANS 4518:1980 / ISO 4518:1980 (2007-06-01) (SABS ISO 4518)	
Metallic coatings - Measurement of coating thickness - Profilometric method	I
Ed 1.00 A4 9p EN PDF 9p EN	Gr 7
Specifies a method for the measurement of metal coating thickness by first formir substrate and then measuring the step height using a profile recording instrument appropriate to this specific application of profilometric methods. Am 1(National), 2007-06-01	Ig a step between the surface of the coating and the surface of its . It covers the instrumentation characteristics and the procedure
SANS 4519:1980 / ISO 4519:1980 (2007-06-01) (SABS ISO 4519)	
Electrodeposited metallic coatings and related finishes - Sampling procedur	es for inspection by attributes
Ed 1.00 A4 15p EN	Gr 9
PDF 15p EN	25.220.40
Establishes sampling plans and procedures for inspection by attributes of electroc Am 1(National), 2007-06-01	leposited metallic coatings.
SANS 4520:1981 / ISO 4520:1981 (2007-06-08) (SABS ISO 4520)	
Chromate conversion coatings on electroplated zinc and cadmium coatings	
Ed 1.00 A4 6p EN PDF 6p EN	Gr 7 25.220.20
Specifies requirements relating to chromate conversion coatings on zinc and cadr cover finishes for giving particular colours only or specifically to improve paint adh Am 1(National), 2007-06-08	nium intended to give protection against corrosion. It does not esion.
SANS 4521:2011 / ISO 4521:2008 (SABS ISO 4521) Metallic and other inorganic coatings - Electrodeposited silver and silver allo	oy coatings for engineering purposes - Specification and
test methods	
Ed 2.00 A4 26p EN PDF 26p EN	Gr 10 25.220.40
Specifies requirements for electroplated silver and silver alloy coatings for electric methods. Engineering applications are defined as those in which the coating esse	al, electronic and other engineering applications, including test ntially serves a non-decorative purpose.
SANS 4522-1:1985 / ISO 4522-1:1985 (2007-06-01)	
(SABS ISO 4522-1)	
Metallic coatings - Test methods for electrodeposited silver and silver alloy	coatings Part 1: Determination of coating thickness
Ed 1.00 A4 6p EN	Gr 7
PDF 6p EN	17.040.20
Specifies methods for the determination of the thickness of electrodeposited silver protective purposes. Am 1(National), 2007-06-01	r and silver alloy coatings for engineering, and decorative and
SANS 4522-2:1985 / ISO 4522-2:1985 (2007-06-08) (SABS ISO 4522-2)	
Metallic coatings - Test methods for electrodeposited silver and silver allow	coatings Part 2: Adhesion tests
Ed 1.00 A4 7p EN	Gr 7
PDF 7p EN	25.220.40
Specifies methods for assessing the adhesion of electrodeposited silver and silver purposes. Am 1(National), 2007-06-08	r alloy coatings for engineering, and decorative and protective

NUMERICAL LIST OF S	TANDARDS
SANS 4522-3:1988 / ISO 4522-3:1988 (2007-06-08) (SABS ISO 4522-3)	continue Dout 2. Determination of the processo of
metailic coatings - lest methods for electrodeposited sliver and sliver alloy o	coatings Part 3: Determination of the presence of
Ed 1.00 A4 6p EN PDF 6p EN	Gr 7 25.220.40
Specifies a test method for assessing the freedom from contamination by residual decorative and protective purposes. It is applicable to parts made entirely of metal both plastics and coated metal. Am 1(National), 2007-06-08	salts of silver and silver alloy coatings for engineering, and excludes composite parts, for example those containing
SANS 4523:1985 / ISO 4523:1985 (2008-05-23) (SABS ISO 4523)	
Metallic coatings - Electrodeposited gold and gold alloy coatings for enginee	ering purposes
Ed 1.00 A4 10p EN PDF 10p EN	Gr 8 25.220.40
Specifies requirements for electrodeposited coatings (single-layer, double-layer or other engineering applications on metallic and non-metallic materials. Does not ap in the unfabricated form. Am 1(National), 2008-05-23	multi-layer) of gold and its alloys for electrical, electronic and ply to coatings on screw threads or to coatings on sheet or strip
SANS 4524-1:1985 / ISO 4524-1:1985 (2008-03-07) (SABS ISO 4524-1)	
Metallic coatings - Test methods for electrodeposited gold and gold alloy co	atings Part 1: Determination of coating thickness
Ed 1.00 A4 9p EN	Gr 7
Specifies methods for the determination of the thickness of electrodeposited gold a protective purposes. Am 1(National), 2008-03-07	25.220.40 and gold alloy coatings for engineering, and decorative and
SANS 4524-2:2007 / ISO 4524-2:2000 (SABS ISO 4524-2) Metallic coatings - Test methods for electrodeposited gold and gold alloy co tests	atings Part 2: Mixed flowing gas (MFG) environmental
Ed 2.00 A4 38p EN PDF 38p EN	Gr 11 25.220.40
Provides procedures for conducting mixed flowing gas (MFG) environmental tests mixtures. Describes the required equipment and the methods for gas, temperature reproducible manner.	involving exposures to controlled quantities of corrosive gas and humidity control that enable tests to be conducted in a
SANS 4524-3:1985 / ISO 4524-3:1985 (2007-08-03) (SABS ISO 4524-3)	
Metallic coatings - Test methods for electrodeposited gold and gold alloy co	atings Part 3: Electrographic tests for porosity
Ed 1.00 A4 7p EN PDF 7p EN	Gr 7 25 220 40
Specifies five electrographic tests for assessing the porosity of electrodeposited go	bld and gold alloy coatings for engineering, and decorative and
protective purposes. Am 1(National), 2007-08-03	
SANS 4524-4:1985 / ISO 4524-4:1985 (2007-05-18) (SABS ISO 4524-4)	
Metallic coatings - Test methods for electrodeposited gold and gold alloy co	atings Part 4: Determination of gold content
Ed 1.00 A4 7p EN PDF 7p EN	Gr 7 71 040 40: 77 120 01
Specifies methods for determining the gold content of electrodeposited gold and g	old alloy coatings for engineering, and decorative and protective
Am 1(National), 2007-05-18	
SANS 4524-5:1985 / ISO 4524-5:1985 (2007-07-06) (SABS ISO 4524-5)	
Metallic coatings - Test methods for electrodeposited gold and gold alloy co	atings Part 5: Adhesion tests
Ed 1.00 A4 6p EN PDF 6p EN	Gr 6 25 220 40
Specifies four methods for qualitatively assessing the adhesion of electrodeposited and protective purposes. Am 1(National), 2007-07-06	d gold and gold alloy coatings for engineering, and decorative

Metallic coatings - Test methods for electrodeposited gold and gold alloy coatings Part 6: Determination of the presence of residual

SANS 4524-6:1988 / ISO 4524-6:1988 (2007-07-06) (SABS ISO 4524-6)

salts

Ed 1.00 A4 7p EN	Gr 7
Specifics a test method for accessing the freedom from contamination by residual	25.220.40
and protective purposes. Applies to parts made entirely of metal and excludes con coated metal.	saits of gold and gold andy coalings for engineering, decorative aposite parts, for example those containing both plastics and
Am 1(National), 2007-07-06	
SANS 4525:2007 / ISO 4525:2003 (SABS ISO 4525)	
Metallic coatings - Electroplated coatings of nickel plus chromium on plastic	es materials
Ed 2.00 A4 21p EN PDF 21p EN	Gr 9 25.220.40
Specifies requirements for decorative, electroplated coatings of nickel plus chromi Permits the use of either a copper or ductile nickel undercoat to satisfy thermal cy	um with and without copper undercoats on plastics materials. cle requirements.
SANS 4526:2007 / ISO 4526:2004 (SABS ISO 4526)	
Metallic coatings - Electroplated coatings of nickel for engineering purposes	
Ed 2.00 A4 21p EN	Gr 9
	25.220.40
Specifies requirements for electroplated coatings of nickel on ferrous and non-ferro	bus metal for engineering purposes.
SANS 4538:1978 / ISO 4538:1978 (2007-02-09)	
(SABS ISO 4538) Metallic coatings - Thioacetamide corrosion test (TAA test)	
Ed 1.00 A4 7p EN	Gr 7
PDF 7p EN	25.220.40
Specifies the apparatus and the procedure for assessment of the resistance of me volatile sulphides, carried out in accordance with coating or product specifications. Am 1(National), 2007-02-09	tal surfaces to corrosion and tarnish in atmospheres containing
SANS 4541:1978 / ISO 4541:1978 (2007-08-24) (SABS ISO 4541)	
Metallic and other non-organic coatings - Corrodkote corrosion test (CORR t	est)
Ed 1.00 A4 6p EN PDF 6p EN	Gr 6 25.220.40
Specifies the reagent, the apparatus and the procedure for assessment of the qua It is primarily applicable to copper-nickel-chromium or nickel-chromium electroplat Am 1(National), 2007-08-24	lity of metallic and related coatings by the Corrodkote procedure. ed parts.
SANS 4566:2008 / ISO 4566:1992	
Small craft with inboard engine - Propeller shaft ends and bosses with 1:10 t	aper
PDF 6p EN	Gr 5 47 020 20: 47 080
Specifies the dimensions for interchangeability of propeller bosses (hubs) and promoving mm with a taper of 1:10, intended for installation on inboard-engined small craft.	peller shaft ends in the shaft diameter range of 20 mm to 160
SANS 4586-1:1995 / ISO 4586-1:1995 (SABS ISO 4586-1)	
High-pressure decorative laminates - Sheets made from thermosetting resin	s Part 1: Classification and specifications
Ed 1.00 A4 19p EN	Gr 10
Course a classification system for high processes description laminated about account	83.080.10; 83.140.20
application, including materials with special characteristics.	raing to their performance and main recommended helds of
SANS 4586-2:1997 / ISO 4586-2:1997	
(SADS (SOC 4300-2) High-pressure decorative laminates - Sheets made from thermosetting resine	s Part 2: Determination of properties
Ed 1.00 A4 50p EN	Gr 13
PDF 50p EN	83.080.10; 83.140.20
Specifies the methods of test for determination of the properties of high-pressure of Am 4(International), 2002-04-04	decorative laminated sheets.

Paints and varnishes - Pull-off test for adhesion

Specifies a method for the measurement of plain plastics film and sheeting, using mechanical. optical or electronic measuring devices. It is not

Ed 1.00	A4 18p EN	Gr 8	
	PDF 18p EN	87.040	

Plastics - Film and sheeting - Determination of thickness by mechanical scanning

the average gravimetric thickness and, if required, the yield (area per unit mass) of a roll of plastics film or sheeting.

This standard describes methods for determining the adhesion by carrying out a pull-off test on a single coating or a multi-coat system of paint, varnish or related product.

SANS 4628-1:2004 / ISO 4628-1:2003 (2009-03-20)

SANS 4591:2003 / ISO 4591:1992 (2009-03-20)

SANS 4593:2003 / ISO 4593:1993 (2009-02-13)

suitable for use with embossed film or sheeting

(SABS ISO 4628-1)

Ed 1.00 A4 5p EN

Ed 1.00 A4 4p EN

PDF 5p EN

PDF 4p EN

SANS 4624:2008 / ISO 4624:2002

Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance Part 1: General introduction and designation system

Ed 2.00	A4 8p EN	Gr 6
	PDF 8p EN	87.040

Defines a system for designating the quantity and size of defects and the intensity of changes in appearance of coatings and outlines the general principles of the system used throughout SANS 4628. This system is intended to be used, in particular, for defects caused by ageing and weathering, and for uniform changes such as colour changes, for example yellowing. The other parts of SANS 4628 provide pictorial standards or other means of evaluating particular types of defect. As far as possible, already existing evaluation schemes have been used as the basis. This part of SANS 4628 can also be used for assessing defects not covered by the other parts of SANS 4628.

SANS 4628-2:2004 / ISO 4628-2:2003 (2009-03-20)

(SABS ISO 4628-2)

Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance Part 2: Assessment of degree of blistering

Ed 2.00	A4 17p EN						(Gr 8	
	PDF 17p EN						8	7.040)

Describes a method for assessing the degree of blistering of coatings by comparison with pictorial standards. The pictorial standards provided in this part of SANS 4628 illustrate blisters in the sizes 2, 3, 4 and 5, and each size in the quantities (densities) 2, 3, 4 and 5. SANS 4628-1 defines the system for designating the quantity and size of defects and the intensity of changes in appearance of coatings and outlines the general principles of the system. This system is intended to be used, in particular, for defects caused by ageing and weathering, and for uniform changes such as colour changes, for example yellowing.

SANS 4628-3:2004 / ISO 4628-3:2003 (2009-03-20) (SABS ISO 4628-3)

Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance Part 3: Assessment of degree of rusting

Ed 2.00	A4 19p EN	Gr 9
	PDF 19p EN	87.040

Describes a method for assessing the degree of rusting of coatings by comparison with pictorial standards. The pictorial standards provided in this part of SANS 4628 show coated steel surfaces which have deteriorated to different degrees by a combination of rust broken through the coating and visible underrust. SANS 4628-1 defines the system for designating the quantity and size of defects and the intensity of changes in appearance of coatings and outlines the general principles of the system. This system is intended to be used, in particular, for defects caused by ageing and weathering, and for uniform changes such as colour changes, for example yellowing.

SANS 4628-4:2004 / ISO 4628-4:2003 (2009-03-20)

(SABS ISO 4628-4)

Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance Part 4: Assessment of degree of cracking

Ed 2.00	A4 18p EN	Gr 8
	PDF 18p EN	87.040

Describes a method for assessing the degree of cracking of coatings by comparison with pictorial standards, using the designation system defined in SANS 4628-1. SANS 4628-1 defines the system for designating the quantity and size of defects and the intensity of changes in appearance of coatings and outlines the general principles of the system. This system is intended to be used, in particular, for defects caused by ageing and weathering, and for uniform changes such as colour changes, for example yellowing.

Plastics - Film and sheeting - Determination of average thickness of a sample, and average thickness and yield of a roll, by gravimetric techniques (gravimetric thickness) Gr 5

83,140,10

Gr 4

83,140,10

Specifies a method for the determination of the gravimetric thickness of a sample of plastics film or sheeting and a method for the determination of

SANS 4628-5:2004 / ISO 4628-5:2003 (2009-03-20) (SABS ISO 4628-5)	
Paints and varnishes - Evaluation of degradation of coatings - Designation o changes in appearance Part 5: Assessment of degree of flaking	f quantity and size of defects, and of intensity of uniform
Ed 2.00 A4 10p EN PDF 10p EN	Gr 6 87 040
Describes a method for assessing the degree of flaking of coatings by comparison SANS 4628-1. SANS 4628-1 defines the system for designating the quantity and s coatings and outlines the general principles of the system. This system is intended weathering, and for uniform changes such as colour changes, for example yellowing the system.	with pictorial standards, using the designation system defined in size of defects and the intensity of changes in appearance of to be used, in particular, for defects caused by ageing and ng.
SANS 4628-6:2007 / ISO 4628-6:2007 (SABS ISO 4628-6)	
Paints and varnishes - Evaluation of degradation of coatings - Designation or changes in appearance Part 6: Assessment of degree of chalking by tape me	f quantity and size of defects, and of intensity of uniform thod
Ed 2.00 A4 11p EN PDF 11p EN	Gr 7 87 040
Provides pictorial reference standards for designating the degree of chalking of pair chalking is rated.	int coatings. Also describes a method by which the degree of
SANS 4633:2008 / ISO 4633:2002 (2009-03-20)	Creation for motorials
Rubber seals - Joint rings for water supply, drainage and sewerage pipelines	- Specification for materials
Ed 1.00 A4 1/p EN PDE 17 ₀ EN	Gr 8
	83.140.50; 91.140.60; 91.140.80
Specifies requirements for materials used in vulcanized rubber seals for cold drink sewerage and rainwater systems (continuous flow up to 45 degrees celsius and integration of the severage and rainwater systems) and integration of the severage and rainwater systems (continuous flow up to 45 degrees celsius and integration of the severage and rainwater systems).	ing-water supplies (up to 50 degrees celsius), and drainage, termittent flow up to 95 degrees celsius).
SANS 4635:2004 / ISO 4635:1982 (2009-03-20)	
Rubber, vulcanized - Preformed compression seals for use between concrete	e motorway paving sections - Specification for material
Ed 1.00 A4 6p EN	Gr 5
PDF 6p EN	83.060
Specifies requirements for material for pre-formed vulcanized rubber seals used be	etween concrete motorway paving sections.
SANS 4642-1:2011 / ISO 4642-1:2009	emi-rigid hoses for fixed systems
Ed 1 00 A4 25n EN	Gr 10
PDF 25p EN	13 220 10: 83 140 40
Specifies the requirements and test methods for semi-rigid reel hoses for fire-fighti	ing purposes for use with fixed systems.
Rubber and plastics hoses, non-collapsible, for fire-fighting service Part 2: S vehicles	emi-rigid hoses (and hose assemblies) for pumps and
Ed 1 00 A4 35p EN	Gr 11
PDF 35p EN	13.220.10: 83.140.40
Specifies the requirements and test methods for semi-rigid reel hoses for use on fi	re-fighting vehicles and trailer pumps.
SANS 4649:2011 / ISO 4649:2010 Rubber, vulcanized or thermoplastic - Determination of abrasion resistance u	using a rotating cylindrical drum device
Ed 2.00 A4 24p EN	Gr 10
PDF 24p EN	83.060
Specifies two methods for the determination of the resistance of rubber to abrasion	n by means of a rotating cylindrical drum device.
SANS 4661-2:2003 / ISO 4661-2:1987 (2009-03-20)	
Rubber, vuicanized - Preparation of samples and test pieces Part 2: Chemica	
Ed 1.00 A4 4p EN PDF 4p EN	Gr 4 83.060
Specifies a method of preparing samples from vulcanized rubber for use in chemic	cal tests.
SANS 4662:2011 / ISO 4662:2009	
Rubber, vuicanized or thermoplastic - Determination of rebound resilience	Gr 10

PDF 35p EN ecifies two methods for determining the rebound resilience of rubb

Specifies two methods for determining the rebound resilience of rubber the hardness of which lies between 30 IRHD and 85 IRHD. They are the pendulum method and the tripsometer method. **Cor 1(International), 2011-12-15**

83.060

Ed 1.00 A4 11p EN PDF 11p EN	Gr 7 83.060
Specifies a method of determining the dynamic behaviour, that is the shear moduli temperature range at low frequencies in the range of 0,1 to 10 Hz, and comparative	us and mechanical damping, of vulcanized rubbers over a wide ely low strain, with the aid of a torsion pendulum.
SANS 4664:2003 / ISO 4664:1998 (2009-03-20) Rubber - Guide to the determination of dynamic properties	
Ed 1.00 A4 18p EN PDF 18p EN	Gr 8 83.060
Provides guidance on the determination of dynamic properties of vulcanized and the methods for use with both materials and products. It does not cover rebound resilies rubber.	nermoplastic rubbers. It includes both free- and forced-vibration ence nor cyclic tests in which the main objective is to fatigue the
SANS 4664-1:2011 / ISO 4664-1:2005 Rubber, vulcanized or thermoplastic - Determination of dynamic properties F	Part 1: General guidance
Ed 1.00 A4 29p EN PDF 29p EN	Gr 10
Provides guidance on the determination of dynamic properties of vulcanized and the	nermoplastic rubbers.
SANS 4664-2:2011 / ISO 4664-2:2006 Rubber, vulcanized or thermoplastic - Determination of dynamic properties P	Part 2: Torsion pendulum methods at low frequencies
Ed 1.00 A4 17p EN PDF 17p EN	Gr 8 83.060
Specifies methods, using a torsion pendulum, of determining the dynamic properties of vulcanized or thermoplastic rubbers over a wide temperature range.	es in shear, that is the shear modulus and mechanical damping,
SANS 4678-4:2010 / BS 4678-4:1982	storial
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	29.120.10
Am 1(International), 2010-11-26	ble trunking made of insulating material.
SANS 4684:2010 / ISO 4684:2005 Leather - Chemical tests - Determination of volatile matter	
Ed 1.00 A4 9p EN	Gr 6
Specifies a method of determination of volatile matter which is applicable to all lea	59.140.30 ther types.
SANS 4701-2011 / ISO 4701-2008	
Iron ores and direct reduced iron - Determination of size distribution by sievi	ng
Ed 1.00 A4 46p EN PDF 46p EN	Gr 12
Specifies the methods to be employed for determination of size distributions by sie utilizing sieves having aperture sizes of 36 micrometers or larger.	eving of iron ore and direct reduced iron (exclude briquetted iron),
SANS 4706:2009 / ISO 4706:2008	alaw
Ed 2.00 A4 40p EN	Gr 11
PDF 40p EN	23.020.30
Specifies minimum requirements concerning material selection, design, construction refillable welded steel gas cylinders of a test pressure not greater than 60 bar, and exposed to extreme worldwide temperatures (-50 to +65 degrees Celcius) used for	on and workmanship, procedure and testing at manufacture of of water capacities from 0,5 L up to and including 500 L compressed, liquefied or dissolved gases.
SANS 4751:1984 / ISO 4751:1984 (2012-06-15) (SABS ISO 4751)	
Copper and copper alloys - Determination of tin content - Spectrometric methods	hod
Ed 1.00 A4 6p EN	Gr 5
Specifies a spectrometric method for the determination of tin in conner and conner	(7.040.30; 77.120.30)

Specifies a spectrometric method for the determination of tin in copper and copper alloys. Is applicable to the determination of tin contents between 0,005 and 0,5 % (m/m) in all types of copper and copper alloys listed in international standards. **Am 1(National), 2007-05-18**

NUMERICAL LIST OF STANDARDS

Rubber - Determination of dynamic behaviour of vulcanizates at low frequencies - Torsion pendulum method

SANS 4663:2003 / ISO 4663:1986 (2009-03-20)

SANS 4778:1981 / ISO 4778:1981 (2010-12-09) (SABS ISO 4778)	
Chain slings of welded construction - Grades M(4), S(6) and T(8)	
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	21.220.30
Specifies the requirements, methods of rating and testing of single, two, thr (8). Does not apply to mechanically joined slings or welded slings with bran Am 1(National), 1999-01-15 Am 2(National), 2005-07-22	ree, and four branch/leg welded chain slings of grades M (4), S (6) and T ches of unequal nominal reach.
SANS 4787:2011 / ISO 4787:2010 (SABS ISO 4787)	
Laboratory glassware - Volumetric instruments - Methods for testing of	of capacity and for use
Ed 2.00 A4 26p EN	Gr 10
PDF 26p EN	71.040.20
Provides methods for the testing, calibration and use of volumetric instrume	ents made from glass in order to obtain the best accuracy in use.
SANS 4788:2009 / ISO 4788:2005 (SABS ISO 4788)	
Laboratory glassware - Graduated measuring cylinders	
Ed 2.00 A4 11p EN	Gr 7
PDF 11p EN	71.040.20
Specifies dimensions, material and constructional and metrological requirer 1b) and of squat form (Type 2). All types are suitable for general laboratory	ments of graduated measuring cylinders of tall form (Type 1a and Type use.
SANS 4800:1998 / ISO 4800:1998 (2007-08-31) (SABS ISO 4800)	
Laboratory glassware - Separating funnels and dropping funnels	
Ed 2.00 A4 13p EN	Gr 8
PDF 13p EN	71.040.20
Specifies details of an internationally acceptable series of glass separating Am 1(National), 2007-08-31	funnels and dropping funnels suitable for general use in laboratories.
SANS 4831:2007 / ISO 4831:2006 (SABS ISO 4831)	
Microbiology of food and animal feeding stuffs - Horizontal method fo number technique	r the detection and enumeration of coliforms - Most probable
Ed 2.00 A4 16p EN	Gr 8
PDF 16p EN	07.100.30
Gives general guidelines for the detection and the enumeration of coliforms the feeding of animals, and environmental samples in the area of food prod the most probable number (MPN) after incubation at 30 $^\circ$ C or 37 $^\circ$ C in a liquid parties concerned.	It is applicable to products intended for human consumption and for luction and food handling. Enumeration is carried out by calculation of uid medium. The temperature is subject to agreement between the
SANS 4832:2007 / ISO 4832:2006 (SABS ISO 4832)	
Microbiology of feed and animal feeding stuffs - Horizontal method for	r the enumeration of coliforms - Colony-count technique
Ed 2.00 A4 11p EN	Gr 7
PDF 11p EN	07.100.30
Gives general guidelines for the enumeration of coliforms. It is applicable to animals, and environmental samples in the area of food production and foo incubation on a solid medium at 30 $^\circ$ C or at 37 $^\circ$ C. The temperature is subj	p products intended for human consumption and for the feeding of d handling, by means of the technique of counting colonies after ect to agreement between the parties concerned.

SANS 4833:2007 / ISO 4833:2003

(SABS ISO 4833)

Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of microorganisms - Colony-count technique at 30 ℃

Ed 2.00	A4 14p EN PDF 14p EN		
	PDF 14p EN		

Specifies a horizontal method for the enumeration of microorganisms, by counting the colonies growing in a solid medium after aerobic incubation at 30 °C. Subject to the limitations discussed in the introduction, this standard is applicable to products intended for human consumption or the feeding of animals.

Gr 7

07.100.30

SANS 4866:2011 / ISO 4866:2010 (SABS ISO 4866) Mechanical vibration and shock - Vibration of fixed structures - Guidelines fo	r the measurement of vibrations and evaluation of their
effects on structures	
Ed 2.00 A4 47p EN	Gr 12
PDF 47p EN	17.160
Establishes the basic principles for carrying out vibration measurement and proces structures. Does not cover the source of excitation except when the source dictates	sing data with regard to evaluating vibration effects on s dynamic range, frequency or other relevant parameters.
SANS 4892-2:2008 / ISO 4892-2:2006	
Plastics - Methods of exposure to laboratory light sources Part 2: Xenon-arc	lamps
Ed 1.00 A4 15p EN	Gr 8
	83.080.01
Specifies methods for exposing specimens to xenon-arc light in the presence of mo materials are exposed in actual end-use environments to daylight or to daylight filte	pisture to reproduce the weathering effects that occur when ered through window glass.
SANS 4918:1990 / ISO/TR 4918:1990 (2006-03-17) (SABS ISO/TR 4918)	
Textile floor coverings - Determination of wear - Castor chair test	
Ed 1.00 A4 8p EN	Gr 7
PDF 8p EN	59.080.60
Describes the castor chair test machine and the operating procedures employed in Am 1(National), 2006-03-17	the investigations carried out by ISO/TC 38/SC 12/WG 7.
SANS 4919:1978 / ISO 4919:1978 (2012-02-17) (SABS ISO 4919)	
Carpets - Determination of tuft withdrawal force	
Ed 1.00 A4 6p EN	Gr 5
PDF 6p EN	59.080.60
Specifies a method for the determination of tuft withdrawal force and applies to all a Am 1(National), 2006-03-17	carpets with a cut or loop pile yarn structure.
SANS 4921:2000 / ISO 4921:2000 (2011-12-01) (SABS ISO 4921)	
Knitting - Basic concepts - Vocabulary	
Ed 2.00 A4 38p EN	Gr 11
PDF 38p EN	01.040.59; 59.020
Defines terms for basic knitting concepts. Am 1(National), 2006-04-13	
SANS 4928-2009 / ISO 4928-2006	
Road vehicles - Elastomeric cups and seals for cylinders for hydraulic brakin fluid (Service temperature 120 ℃ max.)	g systems using a non-petroleum base hydraulic brake
Ed 2.00 A4 20p EN	Gr 9
PDF 20p EN	21.140
Specifies performance tests of brake cups and seals for hydraulic braking systems	for road vehicles.
SANS 4930:2009 / ISO 4930:2006 Road vehicles - Elastomeric seals for hydraulic disc brake cylinders using a r temperature 150 °C max.)	non-petroleum base hydraulic brake fluid (Service
Ed 2.00 A4 15p EN	Gr 8
PDF 15p EN	43.040.40
Specifies the performance test methods and requirements for elastomeric seals us	ed in road vehicle disc brake cylinders.
SANS 4994:1987 / BS 4994:1987 (SABS BS 4994)	
Design and construction of vessels and tanks in reinforced plastics	
Ed 1.00 A4 161p EN	Gr 19
PDF 161p EN	23.020.01; 83.120
Specifies requirements for the design, materials, construction, inspection, testing a	nd erection of vessels and tanks in reinforced plastics.

consisting of a polyester, epoxy or furane resin system reinforced with glass fibres, manufactured by the wet lay-up process. Constructions both with and without a lining of thermoplastics are included.

SANS 4998:2007 / ISO 4998:2005 (SABS ISO 4998)	
Continuous hot-dip zinc-coated carbon steel sheet of structural quality	
Ed 2.00 A4 18p EN PDF 18p EN	Gr 8 25 220 40: 77 140 50
Applies to continuous hot-dip zinc and zinc-iron-alloy-coated carbon steel sheet of ordering conditions and surface treatment. The product is intended for application	f structural quality produced in a number of grades, coating mass, s where resistance to corrosion is of prime importance.
SANS 5003:2012	
(SABS SM 3)	
The determination of the sterility of liquids and solid materials	
Ed 4.00 A4 19p EN PDF 19p EN	Gr 8 11.080.99
Covers the procedure to determine the sterility of liquids and solid materials. Also	covers the preparation of the samples and the media required.
SANS 5004:1987 (2001-03-20) (SABS SM 4)	
Sterility of antibiotics and preparations containing antibiotics	
Ed 3.00 A5 5p EN Loose-leaf	Gr 3
PDF 5p EN	11.080.99; 11.100
Covers the determination of sterility of antibiotics and preparations containing anti mould and yeast contamination of penicillin and penicillin derivatives that can be i determination of the sterility of penicillin preparations that cannot be inactivated w	biotics. Includes methods for the determination of bacterial and nactivated with penicillinase. Also gives a method for the ith penicillinase or that also contain other antibiotics.
SANS 5006:1992 (2000-06-13) (SABS SM 6)	
Pyrogenicity of pharmaceutical products (derived from BP 1988)	
Ed 4.00 A4 3p EN Loose-leaf	Gr 3
PDF 3p EN	11.100; 11.120.01
Specifies a method for detecting the presence of pyrogenic substances in sterile s intravenous injection of the solutions.	solutions by measuring the rise in body temperature caused by
SANS 5009:1987 (2000-06-13) (SABS SM 9)	
Extractable volume of a pharmaceutical product in a container	
Ed 4.00 A5 1p EN Loose-leaf	Gr 1
PDF 1p EN	11.120.01
Covers two methods for the determination of the extractable volume of a pharmac	eutical product in a container.
SANS 5030:2006 (2012-06-15) (SABS SM 30)	
Paints and varnishes - Panels for testing: Fibre-cement panels	
Ed 3.01 A4 2p EN	Gr 2
Describes fibre-cement panels to test paint. Am 1(National), 2006-06-02	87.040
SANS 5037:2003 (2008-03-20) (SABS SM 37)	
Paints and varnishes - Application by applicator blade	
Ed 4.00 A4 3p EN	Gr 4
PUF 3P EN	87.020 tor-driven applicator blade
	tor anyon applicator blade.
SANS 5044:2005 (2010-07-09)	
(SABS SM 44)	
Paints and varnisnes - Spraying properties of paints	
Eu 3.00 A4 5p EN PDF 5p EN	ิ มี 87 020

Specifies a method for assessing spray application properties and the flow characteristics of paints when the paints are applied over relatively large areas. It can also be used to assess other properties such as recoating, lapping and retraction from sharp edges. Weld seams, mouldings or rivets may be attached to the test panel to observe particular characteristics.

SANS 5057:2007 / ISO 5057:1993 Industrial trucks - Inspection and repair of fork arms in service on fork-lift tr	ucks
Ed 1.00 A4 5p EN PDF 5p EN	Gr 5 53.060
This standard specifies methods for inspection and repair of solid-section fork arm	ns in use on all types of fork-lift trucks.
SANS 5071:2007 (SABS SM 71) Fibre diameter of textile fibres - Projection microscope method Ed 3.00 A4 14p EN	Gr 6
PDF 14p EN	59.060.01
Specifies a method for the measurement of the fibre diameter of textile fibres by n	neans of projection microscopy.
SANS 5072:2005 / ISO 5072:1997 (2010-04-30) Brown coals and lignites - Determination of true relative density and appare Ed 1.00 A4 9p EN PDF 9p EN	nt relative density Gr 6
Covers methods for determining the true and apparent relative density of brown of	oals and lignites.
SANS 5074:1994 / ISO 5074:1994 (2007-09-28) (SABS ISO 5074) Hard coal - Determination of Hardgrove grindability index	
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	73.040
Specifies the method for determining the grindability index of hard coal using the l the test machine and for preparing the standard reference coal samples. Am 1(National), 2007-09-28	Hardgrove machine. Also specifies the procedure for calibrating
SANS 5089:1977 / ISO 5089:1977 (2006-04-13) (SABS ISO 5089) Textiles - Preparation of Jaboratory test samples and test specimens for che	mical tasting
Ed 1.00 A4 7p EN	Gr 7
PDF 7p EN	59.080.30
Specifies methods of obtaining laboratory test samples of textile materials from la general directions for the preparation of test specimens of convenient size for che Am 1(National), 2006-04-13	boratory bulk samples taken from a bulk source, and gives mical tests.
SANS 5091:2007 (2012-04-05) (SABS SM 91) Bow and skewness in woven textile fabrics	
Ed 4.00 A4 7p EN	Gr 5
PDF 7p EN	59.080.30
Specifies a method for the determination of the bow and skewness in woven textil	e fabrics.
SANS 5099:2005 (2010-05-07) (SABS SM 99)	
Water resistance of textile fabrics: Hydrostatic head test	
Ed 3.00 A4 3p EN PDF 3p EN	Gr 3
Specifies the hydrostatic head test for the determination of the water resistance of	f textile fabrics.
SANS 5100:2005 (2010-05-07)	
Water resistance - Water-repellency of fabrics permeable to air (Bundesman	n test)
Ed 3.00 A4 3p EN PDF 3p EN	Gr 3 59.080.30
Specifies the Bundesmann test for the determination of the water-repellency of fall	brics permeable to air.
SANS 5101:2004 (2010-02-26) (SABS SM 101)	
water resistance of textile fabrics: drop penetration test	
PDF 3p EN	59.080.30
Specifies the drop penetration test for the determination of the water resistance of	f textile fabrics.

SABS SM 102) Water resistance of textile fabrics: short period cone test EI 3.00 At 30 EN DP 2 PLN SOB 20.00.30 Specifies a method for the determination of the water resistance of textile fabrics. SAMS 5113:2006 (2010-05-07) SABS SM 113) Mon-Throuse matchild content of wool Kon-Throuse matchild content of wool Specifies a method for the determination of the non-fibrous material content of wool. SAMS 5113:2006 (2011-09-16) SABS SM 113) Mon-Throuse matchild content of textiles (method using starch-digesting onzymes) SAMS 5114:2006 (2011-09-16) SABS SM 115) Mon-Throuse matchild content of textiles (method using starch-digesting onzymes) Socielites to starch-digesting enzyme method for the determination of the non-fibrous material content of textiles. SAMS 5115:2005 (2010-09-23) SABS SM 115) Mon-Throuse matchild content of textiles (method using starch-digesting onzymes) Socielites to starch-digesting enzyme method for the determination of the non-fibrous material content of textiles. SAMS 5115:2005 (2010-09-23) SABS SM 115) Mon-Throuse matchild content of textiles in cuprammonium solution (modified method) EI 4.00 At 90 EN POF 90 EN Socielites to starch-digesting enzyme method for the determination of the fluidity of cotton and certain cellulosic man-made fibres in cuprammonium solution. SAMS 5117:2005 (2011-09-21) SABS SM 115) Textiles - Formulae used in statistical analysis SAMS 5117:2005 (2011-07-09) SABS SM 120 PDF 30 EN SAMS 512:2005 (2010-07-09) SAMS 5	SANS 5102-2004 (2010-12-00)	
Water resistance of textile fabrics: short period cone test Gr 2 PDF 2p EN 50,080.30 Specilies a method for the determination of the water resistance of textile fabrics: State St	(SABS SM 102)	
Ed 3.00 A 42 p EN 90 F 2 M 90 F 2 M 90 F 2 M 90 B 30 B	Water resistance of textile fabrics: short period cone test	
Specifies a method for the determination of the water resistance of textile fabrics. SANS 5113:2005 (2010-05-07) (SABS SM 13) Non-fibrous material content of wool Specifies a method for the determination of the non-fibrous material content of wool. SANS 5114:2006 (2011-09-16) (SABS SM 14) Non-fibrous material content of textiles (method using starch-digesting enzyme) Specifies the starch-digesting enzyme method for the determination of the non-fibrous material content of textiles. SANS 5115:2005 (2010-09-23) Specifies the starch-digesting enzyme method for the determination of the non-fibrous material content of textiles. SANS 5115:2005 (2010-09-23) Specifies a modified method for the determination of the non-fibrous material content of textiles. SANS 5117:2005 (2010-09-23) Specifies a modified method for the determination of the fuldity of cotton and certain cellulosic man-made fibres in cuprammonium solution (modified method) Ed 4.00 A4 90 EN Gr 3 PDF 90 F 90 EN S0.060.10: 50.060.20 Specifies a modified method for the determination of the testing of cotton and certain cellulosic man-made fibres in cuprammonium solution. SANS 5117:2005 (2010-07-21) Gr 3 SANS 512:2005 (2010-07-99) S0.060.10: 50.060.20 Specifies are modified method for determination of the subsorption of paint films Ed 3.0	Ed 3.00 A4 2p EN PDF 2p EN	Gr 2 59.080.30
SANS 5113-2005 (2010-05-07) (SASS 5M 113) Mon-Pibrous material content of wool S0,060,10 Specifies a method for the determination of the non-fibrous material content of wool. SANS 5114-2006 (2011-02-16) SSANS 5114-2006 (2011-02-16) S0,060,00 SSANS 5114-2005 (2010-09-23) S0,000,00 Specifies a method for the determination of the determination of the non-fibrous material content of textiles. SANS 5115-2005 (2010-09-23) SSANS 5115-2005 (2010-09-23) SSANS 5115-2005 (2010-09-23) SSANS 5115-2005 (2010-09-23) SSANS 51170 Fluidity of octon and certain cellulosic man-made fibres in cuprammonium solution (modified method) Ed 2.00 SANS 5117-2005 (2011-02-18) SSANS 51170 SSANS 51172-2005 (2011-02-18) SSANS 51170 SANS 51172-2005 (2011-02-18) Gr 3 SSANS 51172-2005 (2010-07-90) Gr 3 SSANS 51172-2005 (2010-07-90) Gr 3 SPEcolites a modified method for the determination of the subtact obtained from the text using a contain certain set subtact analysis of the results obtained from the text using a contain certain set subtact analysis of the results obtained from the text using a contain certain certa	Specifies a method for the determination of the water resistance of textile fabrics.	
Non-fibres material content of wool	SANS 5113:2005 (2010-05-07) (SABS SM 113)	
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Specifies a method for the determination of the non-fibrous material content of wool. SANS S114:2006 (2011-09-16) (SAIS SM 114) Non-fibrous material content of textiles (method using starch-digesting enzymes) Ed 5:00 A4 4p EN PDF 4p EN Sp006:30 Specifies the starch-digesting enzyme method for the determination of the non-fibrous material content of textiles. SANS SM 115) Tudity of cotton and certain cellulosic man-made fibres in cuprammonium solution (modified method) A4 4p EN PDF 9p F0 N Sp006:10; 59.060.20 Specifies a modified method for the determination of the fluidity of cotton and certain cellulosic man-made fibres in cuprammonium solution. SANS S117:2005 (2011-02-18) (SABS M 17) Textiles - Formulae used in statistical analysis (SABS SM 17) Textiles - Formulae used in the statistical analysis of the results obtained from the testing of textiles. SANS S12:2005 (2011-07-09) (SABS M 10) Specifies a method for determining the absorption of paint films Ed 3:00 A4 pEN PDF 3p En Subsorption of water by a film of paint or related product when the film is immersed in the water. Gives an interaction of the water absorption of vater by a film of paint or related product when the film is immersed in the water. Gives an interaction of the water absorption of vater by a film of paint or related product when the film is immersed in the water. Gives an interaction of the water absorption of vater by a film of paint or related product when the film is immersed in the water. Gives an interaction or the water absorption or or apainted articles when they are st	Ed 4.00 A4 4p EN PDF 4p EN	Gr 3 59.060.10
SANS 5114:2006 (2011-09-16) (SANS 5M 114) Gr 3 PDF 4 EN Gr 3 59.005 A4 4p EN Gr 3 59.005 A14 4p EN Gr 3 59.005 A14 4p EN Gr 3 59.005 A0 Secilities the starch-digesting enzyme method for the determination of the non-fibrous material content of textiles. SANS 5115:2005 (2010-09-23) SANS 5115:2005 (2010-09-23) Gr 5 PDF 90 EN Gr 5 59.006.10; 59.060.20 Specilities a modified method for the determination of the fluidity of cotton and certain cellulosic man-made fibres in cuprammonium cellulosic man-made fibres in cuprammonium solution. SANS 5117:2005 (2011-02-18) (SABS SM 117) Gr 3 59.006.10; 59.060.20 Specilities a modified method for the determination of the fluidity of cotton and certain cellulosic man-made fibres in cuprammonium solution. SANS 5117:2005 (2011-02-18) (SABS SM 117) Gr 3 03.120.30; 59.080.01 Specilities romulae used in statistical analysis Ed 2.00 A3 8 EN PDF 4p EN PD	Specifies a method for the determination of the non-fibrous material content of wo	ol.
Non-fibrous material content of textiles (method using starch-digesting enzymes) Ed 5.0 A4 0 EN PDF 40 EN Gr 3 PDF 40 EN Gr 5 Sectiles the starch-digesting enzyme method for the determination of the non-fibrous material content of textiles. SANS 5115:2005 (2010-09-23) (SABS SM 15) Fluidity of cotton and certain cellulosic man-made fibres in cuprammonium solution (modified method) Ed 4.0 A4 0p EN PDF 50 EN S0 060 10, 50 .000.20 Specifies a modified method for the determination of the fluidity of cotton and certain cellulosic man-made fibres in cuprammonium solution (modified method) SANS 5117:2005 (2011-02-18) (SABS SM 117) Textiles - Formulae used in tattistical analysis Ed 2.0 A4 3p EN PDF 50 EN S0 05 .000 S0 00.00 Specifies formulae used in the statistical analysis of the results obtained from the texting of textiles. SANS 5123:2005 (2010-07-09) (SABS SM 128) PDF 40 EN PDF 40 EN PDF 40 EN S0 060 .00 S0 00.01 Specifies amethod for determining the absorption of paint films Ed 3.0 A4 40 EN PDF 40 EN S0 060 .00 S0 00.01 Specifies amethod for determining the absorption of paint films Ed 3.0 A4 40 EN PDF 40 EN S0 060 .00 S0 00.01 Specifies amethod for determining the absorption of vater by a film of paint or related product when the film is immersed in the water. Gives an indication of the water absorption of water by a film of paint or related product when the film is immersed in the water. Gives an indication of the water absorption of vater by a film of paint or related product when the film is immersed in the water. Gives an indication of the water absorption of vater by a film of paint or related product when the film is immersed in the water. Gives an indication of the water absorption of vater by a film of paint or related product when the film is immersed in the water. Gives an indication of the secosity of Newtonian or near-Newtonian film gives when they are stored under conditions of prolonged condensation. It is not indicated to relate produce any particular condition of condensation. SANS 5125:2007 (SAB	SANS 5114:2006 (2011-09-16) (SABS SM 114)	
Ed 5.00 A4 pt EN Gr 3 PDF 4p EN 59.080.30 Specifies the starch-digesting enzyme method for the determination of the non-fbrous material content of textiles. SANS 5115:2005 (2010-09-23) (SABS SM 115) Fluidity of cotion and certain cellulosic man-made fibres in cuprammonium solution (modified method) E4 .00 A4 gp EN Gr 5 PDF 3p EN 59.060.10; 59.060.20 Specifies a modified method for the determination of the fluidity of cotion and certain cellulosic man-made fibres in cuprammonium solution. SANS 5117:2005 (2011-02-18) (SABS M117) Textiles - Formulae used in statistical analysis Gr 3 Ed 2:0 A4 3p EN Gr 2 PDF 3p EN 03.120.30; 59.080.01 Specifies formulae used in the statistical analysis of the results obtained from the testing of textiles. SANS 512:2005 (2010-07-09) (SABS SM123) Parist and varishes - Apparent water absorption of paint films 87.040 Specifies a method for determining the absorption of paint or related product when the film is immersed in the water. Gives an infordation of the water absorption of outdersation. 87.040 SANS 5125:2007 (SABS SM 128) Formulae used in the vater. Gives an infordation of the water absorption of nodenseation. SANS 5125:2007	Non-fibrous material content of textiles (method using starch-digesting enzy	mes)
PDF 4p EN 59.080.30 Specifies the starch-digesting enzyme method for the determination of the non-fibrous material content of textiles. SANS 5115:2005 (2010-09-23) (SABS M115) Fluidity of cotion and certain cellulosic man-made fibres in cuprammonium solution (modified method) Ed 4.00 A4 9p EN PDF 3p EN Gr 5 50.060.20 Specifies a modified method for the determination of the fluidity of cotion and certain cellulosic man-made fibres in cuprammonium solution. SANS 5117:2005 (2011-02-18) (SABS SM 117) Start	Ed 5.00 A4 4p EN	Gr 3
Specifies the starch-digesting enzyme method for the determination of the non-fibrous material content of textiles. SANS 5115:2005 (2010-09-23) (SABS SM 112) File 40:00 A4 9p EN Gr 5 PDF 9p EN S9.060.10; 59.060.20 Specifies a method for the determination of the fluidity of cotton and certain cellulosic man-made fibres in cuprammonium solution. SANS 5117:2005 (2011-02-18) (SABS SM 117) Textiles - Formulae used in statistical analysis E 2:00 A4 3p EN Gr 3 PDF 3p EN Gr 3 PDF 3p EN 03.120.30; 59.080.01 Specifies formulae used in the statistical analysis of the results obtained from the testing of textiles. SANS 512:2005 (2010-07-09) (SABS SM 12) Points and variables - Apparent water absorption of paint films Ed 3:00 A4 4p EN Gr 2 PDF 4p EN Gr 2 PDF 4p EN Gr 3 PDF 4	PDF 4p EN	59.080.30
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Fluidity of cotton and certain cellulosic man-made fibres in cuprammonium solution (modified method) Ed 4.00 A4 9p EN Gr 5 PDF 9p EN 59,060.10; 59,060.20 Specifies a modified method for the determination of the fluidity of cotton and certain cellulosic man-made fibres in cuprammonium solution. SANS 5117:2005 (2011-02-18) (SABS SM 117) Textiles - Formulae used in statistical analysis Ed 2.00 A4 3p EN PDF 3p EN Gr 3 03.120.30; 59.080.01 Specifies formulae used in the statistical analysis of the results obtained from the testing of textiles. SANS 5123:2005 (2010-07-09) (SABS SM 12) Partitis and varnishes - Apparent water absorption of paint films Ed 3.00 A4 4p EN PDF 4p EN Specifies a method for determining the absorption of water by a film of paint or related product when the film is immersed in the water. Gives an indication of the water absorption characteristics of painted articles when they are stored under conditions of prolonged condensation. It is not indened to reproduce any particular condition of condensation. SANS 5125:2007 (SABS SM 125) Gr 3 17.060; 87.040 PDF 4p EN Gr 3 20.01 SANS 5125:2007 (SABS SM 126) SAU 4p EN PDF 4p EN SANS 5126:2007 (SABS SM 126) Gr 3 17.060; 87.040 This standard specifies the determination of the viscosity of Newtonian or near-Newtonian liquids with an efflux cup.	SANS 5115:2005 (2010-09-23) (SABS SM 115)	
Ed 4.0 A4 pp En Gr 5 PDF 9p EN 59.060.10; 59.060.20 Specifies a modified method for the determination of the fluidity of cotton and certain cellulosic man-made fibres in cuprammonium solution. SANS 517:2005 (2011-02-18) (SABS SM 117) Textiles - Formulae used in statistical analysis Ed 2.00 A4 pp En PDF 3p EN Solution 2005 (2010-07-09) (SABS SM 123) Partition and varnishes - Apparent water absorption of paint films Ed 3.00 A4 dp EN PDF 4p EN Gr 2 PDF 4p EN Gr 2 87.040 Specifies a method for determining the absorption of water by a film of paint or nelated product when the film is immersed in the water. Gives an indication of the water absorption characteristics of painted articles when they are stored under conditions of prolonged condensation. It is not intended to reproduce any particular condition of condensation. SANS 5125:2007 (SABS SM 125) Gr 3 7.040 Paints and varnishes - Determination of twiscosity by means of an efflux cup. This standvarg specifies the determination of the viscosity of Newtonian or neal-Worldonian inguids with an efflux cup. This method provides useful information for quality control and of application viscosities of surface coating materials and related materials. SANS 5125:2007 (SABS SM 126) Gr 3 7.060; 87.040 This standvarg specifies the determination of the viscosity of Newtonian or neal-Worlonian inguids with an efflux cup. This meth	Fluidity of cotton and certain cellulosic man-made fibres in cuprammonium	solution (modified method)
Specifies a modified method for the determination of the fluidity of cotton and certain cellulosic man-made fibres in cuprammonium solution. SANS 5117:2005 (2011-02-18) (SABS SM 117) Textlies - Formulae used in statistical analysis Ed 2:00 A4 3p EN PDF 3p EN 03.120.30; 59.080.01 Specifies formulae used in the statistical analysis of the results obtained from the testing of textiles. SANS 5123:2005 (2010-07-09) (SABS SM 123) Paints and varishes - Apparent water absorption of paint films Ed 3:00 A4 4p EN PDF 4p EN 87.040 Specifies a method for determining the absorption of water by a film of paint or related product when the film is immersed in the water. Gives an infectation of the water absorption characteristics of painted articles when they are conditions of prolonged condensation. It is not intended to reproduce any particular condition of condensation. SANS 5125:2007 (SABS SM 125) Gr 3 17.060; 87.040 This stand varishes - Determination of the viscosity of Newtonian or near-Newtonian liquids with an efflux cup. This method provides useful information for quality control and of application viscosities of surface coating materials and related materials. Ant (Netional), 2007-08-17 SANS 5126:2008 (SABS SM 126) Viscosity of binders for paints Ed 3:00 A4 p EN PDF 4p EN Gr 3 PDF 4p EN	Ed 4.00 A4 9p EN PDF 9p EN	Gr 5 59.060.10; 59.060.20
SANS 5117:2005 (2011-02-18) (SABS SM 117) Textiles - Formulae used in statistical analysis Ed 2.00 A4 4p EN PDF 3p EN 0;120:0;50.080.01 Specifies formulae used in the statistical analysis of the results obtained from the testing of textiles. SANS 5123:2005 (2010-07-09) (SABS SM 123) Paints and varnishes - Apparent water absorption of paint films Ed 3.00 A4 4p EN PDF 4p EN 6; 37.040 Specifies a method for determination of the viscosity of Newtonian or near-Newtonian liquids with an efflux cup. This method provides useful information or quality control and of application viscosities of surface coating materials and related materials. A1 4p EN PDF 4p EN 6; 37.040 Specifies a method for determination of viscosity by means of an efflux cup PDF 4p EN 6; 37.040 Specifies a method for determination of viscosity by means of an efflux cup SANS 5125:2007 (SABS SM 125) Paints and varnishes - Determination of viscosity by means of an efflux cup PDF 4p EN 70.060; 87.040 This standard specifies the determination of the viscosity of Newtonian or near-Newtonian liquids with an efflux cup. This method provides useful information for quality control and of application viscosities of surface coating materials and related materials. Am 1(Nettro-BF) SANS 5125:2007 (SABS SM 126) Viscosity of binders for paints Ed 3.00 A4 4p EN 6; 37.040 PDF 4p EN 70, 66.70 Specifies a method for the determination of the viscosity of binders for paints. Specifies a method for the determination of the viscosity of Newtonian or near-Newtonian liquids with an efflux cup. This method provides useful information. Specifies for paints Ed 3.00 A4 4p EN 70, 66.73 PDF 4p EN 70, 70, 70, 70, 70, 70, 70, 70, 70, 70,	Specifies a modified method for the determination of the fluidity of cotton and certa	ain cellulosic man-made fibres in cuprammonium solution.
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Specifies formulae used in the statistical analysis of the results obtained from the testing of textiles. SANS 5123:2005 (2010-07-09) (SABS SM 123) Paints and varnishes - Apparent water absorption of paint films Ed 3.00 A4 4p EN PDF 4p EN Specifies a method for determining the absorption of water by a film of paint or related product when the film is immersed in the water. Gives an indication of the water absorption characteristics of painted articles when they are conditions of prolonged condensation. It is not intended to reproduce any particular condition of condensation. SANS 5125:2007 (SABS SM 125) State S SM 125) Paints and varnishes - Determination of viscosity by means of an efflux cup Gr 3 17.060; 87.040 This standard specifies the determination of the viscosity of Newtonian or near-Newtonian liquids with an efflux cup. This method provides useful information for quality control and of application viscosities of surface coating materials and related materials. Am 1(Netional), 2007-08-17 SANS 5126:2008 (SABS SM 126) SANS 5126:2008 (SABS SM 126) Gr 3 17.060; 87.060.20 Viscosity of binders for paints Gr 3 17.060; 87.060.20 Specifies a method for the determination of the viscosity of binders for paints. Gr 3 17.060; 87.060.20	PDF 3p EN	03.120.30; 59.080.01
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Paints and variables - Apparent water absorption of paint films Ed 3.00 A4 4p EN PDF 4p EN Gr 2 87.040 Specifies a method for determining the absorption of water by a film of paint or related product when the film is immersed in the water. Gives an indication of the water absorption characteristics of painted articles when they are stored under conditions of prolonged condensation. It is not intended to reproduce any particular condition of condensation. SANS 5125:2007 (SABS SM 125) State and varnishes - Determination of viscosity by means of an efflux cup Paints and varnishes - Determination of viscosity by means of an efflux cup Gr 3 17.060; 87.040 Pist standard specifies the determination of the viscosity of Newtonian or near-Newtonian liquids with an efflux cup. This method provides useful information for quality control and of application viscosities of surface coating materials and related materials. Am 1(National), 2007-08-17 SANS 512:2008 (SABS SM 126) Viscosity of binders for paints Gr 3 17.060; 87.060,20 Ed 3.00 A 4 p EN PDF 4p EN Gr 3 17.060; 87.060,20	SANS 5123:2005 (2010-07-09) (SABS SM 123)	
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	Specifies a method for the determination of the viscosity of binders for paints.	

SANS 5127:2006 (2011-01-28) (SABS SM 127)	
Paints and varnishes - General appearance of oils and clear varnishes	
Ed 3.00 A4 3p EN	Gr 3
PDF ['] 3p EN	87.040
Specifies a method for the determination of the general appearance of oils and cle	ar varnishes.
SANS 5136:2005 (2011-03-31) (SABS SM 136)	
Paints and varnishes - Resistance to sheen development of paint films	
Ed 3.00 A4 4p EN	Gr 3
PDF 4p EN	17.180.20: 87.040
Specifies a method for the determination of the resistance to sheen development of	of paint films.
SANS 5137:2005 (2011-04-14) (SABS SM 137)	
Paints and varnishes - Davlight 45°, 0° luminous directional reflectance of su	rface coatings and pigments
PDF 3p EN	17 190 00: 97 040: 97 060 10
	17.180.20; 87.040; 87.060.10
Specifies a method for the determination of daylight 45°, 0° luminous directional re extenders.	flectance of surface coatings (paint film), pigments and
SANS 5142:2005 (2010-07-09) (SABS SM 142)	
Paints and varnishes - Sanding properties of paint films	
Ed 3.00 A4 5p EN	Gr 3
PDF 5p EN	87.040
Specifies a method for the determination of the sanding properties of paint and rela	ated coating films.
SANS 5146:2005 (2010-07-09)	
(SADS SWI 140) Deinte and verniches - Desistence to impact of point films	
Paints and varnishes - Resistance to impact of paint nims	
Ed 3.00 A4 4p EN	Gr 2
	87.040
Describes a method for rapidly deforming, by impact with a spherical indenter, a condeformation.	pating film and its substrate and evaluating the effect of such
SANS 5148:2003 (2008-03-20) (SABS SM 148)	
Paints and varnishes - Determination of through-dry state and through-dry tin	ne
Ed 4.00 A4 4p EN	Gr 4
PDF 4p EN	87.040
Specifies a method to determine whether a single-coat or a multi-coat system of pathrough-dry state. The time taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the taken to reach the through-dry state can also be determined by the taken to reach the taken to reach the through-dry state can also be determined by the taken to reach the through-dry state can also be determined by the taken to reach the taken to reach the taken to reach the taken taken to reach the taken	aint or varnish has, after a specified drying period, reached the nined.
SANS 5151:1994 / ISO 5151:1994	
(UTO UTO 101) Non-dusted six conditioners and best number. Testing and acting for the first of the start of t	
Non-ducted air conditioners and neat pumps - lesting and rating for perform	ance
Ed 1.00 A4 45p EN	Gr 13
PDF 45p EN	27.080; 91.140.30
Specifies the standard conditions on which the ratings of single-package and split- cooled condensers and heat pumps employing air-cooled condensers are based, a various ratings.	system non-ducted air conditioners employing air- and water- and the test methods to be applied for determination of the
SANS 5153:2003 (2008-03-20) (SABS SM 153)	
Paints and varnishes - Determination of viscosity by means of a Stormer visc	cometer
Ed 4.00 A4 6p EN	Gr 5
PDF 6p EN	17.060: 87.040
Specifies the determination of the dynamic viscosity of liquids at a fixed frequency the quality control of surface coating materials and related materials.	of rotation, i.e. constant stress. Provides useful information for

SANS 5160:2007 (SABS SM 160)	
Paints and varnishes - Temperature stability	
Ed 3.01 A4 3p EN PDF 3p EN	Gr 3 87.040
This standard specifies a method of determining the temperature stability of paints more specified temperature cycles. Am 1(National), 2007-08-03	, oils and varnishes at high or low temperatures, or during one or
SANS 5167:2005 (2010-07-09) (SABS SM 167)	
Paints and varnishes - Determination of resistance to cold water	
Ed 3.00 A4 5p EN PDF 5p EN	Gr 3 87.040
Specifies a method for the determination of resistance of a single-coat film or mult by immersion. It gives an indication of the results likely to be obtained when painte condensation but not an extremely corrosive atmosphere may be produced. It is no condensation.	i-coat system of paints or related products to the action of water d articles are stored under conditions where prolonged of intended to reproduce any particular condition of
SANS 5175:2003 (2008-03-20) (SABS SM 175)	
Paints and varnishes - Determination of washability (brush method)	
Ed 4.00 A4 5p EN	Gr 5
PDF 5p EN	87.040
Specifies a method for the determination of the washability of paints and varnishes	
SANS 5176:2007 (SABS SM 176)	
Textile fabrics: tearing strength of selvedges	
Ed 2.01 A4 4p EN	Gr 3
PDF 4p EN	59.080.30
Specifies a method for the determination of the tearing strength of the selvedges or Am 1(National), 2007-11-09	f textile fabrics.
SANS 5178:2006 (2012-04-05) (SABS SM 178)	
Stretched width of mutton cloth	
Ed 2.00 A4 3p EN PDF 3p EN	Gr 3 59.080.30
Specifies a method for the determination of the stretched width of mutton cloth.	
SANS 5182:2011 / ISO 5182:2008 (SABS ISO 5182)	
Resistance welding - Materials for electrodes and ancillary equipment	
Ed 2.00 A4 15p EN	Gr 8
FDF 150 EN	25.160.20
transmitting force to the work.	
SANS 5183-1:2008 / ISO 5183-1:1998 (SABS ISO 5183-1)	
Resistance welding equipment - Electrode adaptors, male taper 1:10 Part 1: 0	Conical fixing, taper 1:10
Ed 2.00 A4 11p EN	Gr 7
	25.160.20
Specifies the dimensions and tolerances of resistance spot welding electrode adapt which the electrode taper fits conform to ISO 1089	otors where the fixing element for the cap is a male taper and for
SANS 5183-2:2008 / ISO 5183-2:2000 (SABS ISO 5183-2)	
Resistance spot welding - Electrode adaptors, male taper 1:10 Part 2: Paralle	I shank fixing for end-thrust electrodes
Ed 2.00 A4 9p EN PDF 9p EN	Gr 6 25.160.20
Specifies the dimensions and tolerances of resistance spot welding electrode adap parallel shaft is used to fix the adaptor to the electrode holder.	otors where the fixing element for the cap is a male taper and a

SANS 5184:1979 / ISO 5184:1979 (2012-11-02) (SABS ISO 5184)	
Straight resistance spot welding electrodes	
Ed 1.00 A4 5p EN PDF 5p EN	Gr 4
Lave down the dimensions and televances of straight resistance spot welding ele	23.100.20
Am 1(National), 2007-05-18	culoues.
SANS 5185:2006 (2011-10-28) (SABS SM 185)	
Total alkali content of soap powders or chips	
Ed 2.00 A4 3p EN PDF 3p FN	Gr 3
Specifies a method for the determination of the total alkali content of soap powde	ers or chips.
SANS 5186:2006 (2011-10-28)	
Alkaline salt content of scouring compounds	
Ed 2.00 A4 3p EN	Gr 3
PDF 3p EN	71.100.40
Specifies a method for the determination of the alkaline salt content (as anhydro	us sodium carbonate) of scouring compounds.
SANS 5187:2006 (2011-10-28) (SABS SM 187)	
Fatty matter content of soap products	
Ed 2.00 A4 4p EN PDF 4p EN	Gr 3 71.100.40
Specifies a method for the determination of the fatty matter content of soap prod	lucts.
SANS 5188:2006 (2011-09-16) (SABS SM 188)	
Unsaponified plus unsaponifiable matter content of soap products	
Ed 2.00 A4 4p EN	Gr 3
PDF 4p EN	71.100.40
Specifies a method for the determination of the unsaponified plus unsaponifiable	e matter content of soap products.
SANS 5189:2004 (2009-03-13) (SABS SM 189)	
Alcohol-insoluble matter content of soap products	
Ed 2.01 A4 2p EN	Gr 1
PDF 2p EN	71.100.40
Specifies a method for the determination of the alcohol-insoluble matter content Am 1(National), 2004-03-12	of soap products.
SANS 5190:2004 (2009-03-13) (SABS SM 190)	
Water insoluble matter content of soap products	
Ed 1.01 A4 2p EN PDF 2p EN	Gr 1 71.100.40
Specifies a method for the determination of the water insoluble matter content of Am 1(National), 2004-03-12	f soap products.
SANS 5197:2007	
(SADS SIVI 197) Water - Turhidity	
Ed 3.00 A4 5p EN	Gr 4
PDF 5p EN	13.060.60

Specifies a method for the determination of the turbidity of any water sample that is free of debris and rapidly settling coarse sediments. It is based on a comparison of the intensity of light scattered by the sample with the intensity of light scattered by a reference standard.

SANS 5201:2010 (SABS SM 201) Water - Cadmium content Ed 3.02 A4 7p EN PDF 7p EN		Gr 5 13.060.50
Specifies a method of determining the c It is applicable to the determination of ca Am 1(National), 2005-01-21	admium content of water and wastewater, admium in the concentration range 0,05 mg Am 2(National), 2010-03-31	using an air-acetylene flame and direct flame atomic absorption. g/L to 2,0 mg/L.
SANS 5203:2010 (SABS SM 203) Water - Copper content Ed 3.02 A4 5p EN PDF 5p EN		Gr 4 13.060.50
Specifies a method of determining the c The method is applicable to the determin Am 1(National), 2004-12-15	opper content of water and wastewater, us nation of copper in the concentration range Am 2(National), 2010-03-31	ing an air-acetylene flame and direct flame atomic absorption. 0,02 mg/L to 5,0 mg/L.
SANS 5207:2010 (SABS SM 207) Water - Iron content Ed 3.02 A4 5p EN PDF 5p EN		Gr 4 13.060.50
Specifies a method of determining the ir method is applicable to the determinatio Am 1(National), 2004-12-10	on content of water and wastewater, using n of iron in the concentration range 0,05 m Am 2(National), 2010-03-26	an air-acetylene flame and direct flame atomic absorption. The Ig/L to 5,0 mg/L.
SANS 5208:2010 (SABS SM 208) Water - Lead content		
Ed 3.02 A4 6p EN PDF 6p EN		Gr 4 13.060.50
Specifies a method of determining the le method is applicable to the determinatio 0,05 mg/L by concentration of the samp Am 1(National), 2004-12-10	ad content of water and wastewater, using n of lead in the concentration range 0,1 m le through evaporation. Am 2(National), 2010-03-31	g an air-acetylene flame and direct flame atomic absorption. The g/L to 5 mg/L, but the detection limit can be reduced to less than
SANS 5209:2010	х <i>и</i>	
Water - Manganese content		
Ed 3.02 A4 5p EN PDF 5p EN		Gr 4 13.060.50
Specifies a method of determining the m absorption. The method is applicable to Am 1(National), 2005-01-14	hanganese content of water and wastewate the determination of manganese in the con Am 2(National), 2010-03-31	er, using an air-acetylene flame and direct flame atomic ncentration range 0,05 mg/L to 5,0 mg/L.
SANS 5210:2010 (SABS SM 210)		
Ed 2.03 A4 4p EN PDF 4p EN		Gr 3 13 060 50
Specifies a method of measuring the co Am 1(National), 2004-12-15	ncentration of nitrate and nitrite nitrogen in Am 2(National), 2006-02-16	water and wastewater. Am 3(National), 2010-04-23
SANS 5213:2005 (SABS SM 213) Water - Dissolved solids content Ed 2.02 A4 5p EN PDF 5p EN		Gr 4
Specifies a method of measuring the co the sample after filtration through a glass Am 1(National), 2004-12-15	ncentration of dissolved solids in water and s fibre filter of nominal pore size 1,0 μ m ± μ Am 2(National), 2005-05-12	d in wastewater by gravimetric determination of the dry residue of 0,2 $\mu m.$

SANS 5214:2010 (SABS SM 214) Water - Zinc content		
Ed 3.02 A4 5p EN PDF 5p EN		Gr 4 13.060.50
Specifies a method of determining the zi method is applicable to the determination Am 1(National), 2005-01-14	nc content of water and wastewater, usin n of zinc in the concentration range 0,01 Am 2(National), 2010-04-23	g an air-acetylene flame and direct flame atomic absorption. The mg/L to 2,0 mg/L.
SANS 5217:2010 (SABS SM 217)		
Water - Free and saline ammonia con	tent	
Ed 3.03 A4 6p EN PDF 6p EN		Gr 4 13.060.50
Specifies a method of measuring the con Am 1(National), 2005-01-14	ncentration of un-ionized and ionized amr Am 2(National), 2007-05-18	noniacal nitrogen in water and in wastewater. Am 3(National), 2010-04-23
SANS 5218:2007	ζ <i>μ</i>	
(SABS SM 218) Water - Albuminoid ammonia content		
Fd 2.00 A4 4p FN		Gr 3
PDF 4p EN		13.060.50
Specifies a method for the determination accordance with SANS 5217.	n of the albuminoid ammonia content of w	ater after the liberation of the free and saline ammonia in
SANS 5220:2010 (SABS SM 220)		
Water - Oxygen absorption		
Ed 2.02 A4 5p EN		Gr 4
PDF 5p EN		13.060.50
Specifies a method of determining the or inorganic matter that can be oxidized by Am 1(National), 2005-01-21	xygen absorption value of water and wast an acidified permanganate solution over Am 2(National), 2010-04-23	ewater. The method is an empirical measure of both organic and a period of 4 h at 27 $^\circ\!C$ \pm 2 $^\circ\!C.$
SANS 5221-2011		
(SABS SM 221) Microbiological analysis of water - Ge	neral test methods	
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN	neral test methods	Gr 8
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN	neral test methods	Gr 8 07.100.20
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2011-03-04	neral test methods I enumeration, in potable water, non-pota nic bacteria. It also refers to a method for Am 1(National), 2006-02-16	Gr 8 07.100.20 ble water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2011-03-04 SANS 5222:2004 (2009-03-13) (SABS SM 222)	neral test methods I enumeration, in potable water, non-pota ic bacteria. It also refers to a method for Am 1(National), 2006-02-16	Gr 8 07.100.20 ble water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2011-03-04 SANS 5222:2004 (2009-03-13) (SABS SM 222) Identification of rosin in fatty matter	neral test methods I enumeration, in potable water, non-pota lic bacteria. It also refers to a method for Am 1(National), 2006-02-16	Gr 8 07.100.20 ble water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2011-03-04 SANS 5222:2004 (2009-03-13) (SABS SM 222) Identification of rosin in fatty matter Ed 1.01 A4 2p EN PDF 2p EN	neral test methods d enumeration, in potable water, non-pota nic bacteria. It also refers to a method for Am 1(National), 2006-02-16	Gr 8 07.100.20 ble water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07 Gr 1 71.100.40
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2011-03-04 SANS 5222:2004 (2009-03-13) (SABS SM 222) Identification of rosin in fatty matter Ed 1.01 A4 2p EN PDF 2p EN Specifies the Halphen-Grimaldi and Lieb Am 1(National), 2004-03-12	neral test methods I enumeration, in potable water, non-pota ic bacteria. It also refers to a method for Am 1(National), 2006-02-16	Gr 8 07.100.20 ble water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07 Gr 1 71.100.40 on of rosin in fatty matter.
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2011-03-04 SANS 5222:2004 (2009-03-13) (SABS SM 222) Identification of rosin in fatty matter Ed 1.01 A4 2p EN PDF 2p EN Specifies the Halphen-Grimaldi and Lieb Am 1(National), 2004-03-12 SANS 5223:2006 (2011-08-26) (SABS SM 223)	neral test methods I enumeration, in potable water, non-pota nic bacteria. It also refers to a method for Am 1(National), 2006-02-16	Gr 8 07.100.20 ble water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07 Gr 1 71.100.40 on of rosin in fatty matter.
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2002-10-18 Am 3(National), 2011-03-04 SANS 5222:2004 (2009-03-13) (SABS SM 222) Identification of rosin in fatty matter Ed 1.01 A4 2p EN PDF 2p EN Specifies the Halphen-Grimaldi and Lieb Am 1(National), 2004-03-12 SANS 5223:2006 (2011-08-26) (SABS SM 223) Rosin content of fatty matter in soaps	neral test methods I enumeration, in potable water, non-pota iic bacteria. It also refers to a method for Am 1(National), 2006-02-16	Gr 8 07.100.20 ble water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07 Gr 1 71.100.40 on of rosin in fatty matter.
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2002-10-18 Am 3(National), 2011-03-04 SANS 5222:2004 (2009-03-13) (SABS SM 222) Identification of rosin in fatty matter Ed 1.01 A4 2p EN PDF 2p EN Specifies the Halphen-Grimaldi and Lieb Am 1(National), 2004-03-12 SANS 5223:2006 (2011-08-26) (SABS SM 223) Rosin content of fatty matter in soaps Ed 2.00 A4 5p EN PDF 5p EN	neral test methods I enumeration, in potable water, non-pota iic bacteria. It also refers to a method for Am 1(National), 2006-02-16	Gr 8 07.100.20 ble water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07 Gr 1 71.100.40 on of rosin in fatty matter.
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2002-10-18 Am 3(National), 2011-03-04 SANS 5222:2004 (2009-03-13) (SABS SM 222) Identification of rosin in fatty matter Ed 1.01 A4 2p EN PDF 2p EN Specifies the Halphen-Grimaldi and Lieb Am 1(National), 2004-03-12 SANS 5223:2006 (2011-08-26) (SABS SM 223) Rosin content of fatty matter in soaps Ed 2.00 A4 5p EN PDF 5p EN Specifies a method for the determination	neral test methods I enumeration, in potable water, non-pota ic bacteria. It also refers to a method for Am 1(National), 2006-02-16 ermann-Storch method for the identification of the rosin content of fatty matter in so	Gr 8 07.100.20 ble water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07 Gr 1 71.100.40 on of rosin in fatty matter.
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2002-10-18 Am 3(National), 2011-03-04 SANS 5222:2004 (2009-03-13) (SABS SM 222) Identification of rosin in fatty matter Ed 1.01 A4 2p EN PDF 2p EN Specifies the Halphen-Grimaldi and Lieb Am 1(National), 2004-03-12 SANS 5223:2006 (2011-08-26) (SABS SM 223) Rosin content of fatty matter in soaps Ed 2.00 A4 5p EN PDF 5p EN Specifies a method for the determination SANS 5224:2006 (2011-08-26) (SABS SM 224)	neral test methods I enumeration, in potable water, non-pota ic bacteria. It also refers to a method for Am 1(National), 2006-02-16 ermann-Storch method for the identification of the rosin content of fatty matter in so	Gr 8 07.100.20 ble water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07 Gr 1 71.100.40 on of rosin in fatty matter.
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2002-10-18 Am 3(National), 2011-03-04 SANS 5222:2004 (2009-03-13) (SABS SM 222) Identification of rosin in fatty matter Ed 1.01 A4 2p EN PDF 2p EN Specifies the Halphen-Grimaldi and Lieb Am 1(National), 2004-03-12 SANS 5223:2006 (2011-08-26) (SABS SM 223) Rosin content of fatty matter in soaps Ed 2.00 A4 5p EN PDF 5p EN Specifies a method for the determination SANS 5224:2006 (2011-08-26) (SABS SM 224) Chloride content of soap products (polymeric)	neral test methods I enumeration, in potable water, non-pota tic bacteria. It also refers to a method for Am 1(National), 2006-02-16 ermann-Storch method for the identification of the rosin content of fatty matter in so	Gr 8 07.100.20 ble water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07 Gr 1 71.100.40 on of rosin in fatty matter.
(SABS SM 221) Microbiological analysis of water - Ge Ed 4.04 A4 19p EN PDF 19p EN Describes methods for the detection and coliform bacteria, E. coli and heterotroph Cor 1(National), 2002-10-18 Am 3(National), 2002-10-18 Am 3(National), 2011-03-04 SANS 5222:2004 (2009-03-13) (SABS SM 222) Identification of rosin in fatty matter Ed 1.01 A4 2p EN PDF 2p EN Specifies the Halphen-Grimaldi and Lieb Am 1(National), 2004-03-12 SANS 5223:2006 (2011-08-26) (SABS SM 223) Rosin content of fatty matter in soaps Ed 2.00 A4 5p EN PDF 5p EN Specifies a method for the determination SANS 5224:2006 (2011-08-26) (SABS SM 224) Chloride content of soap products (po Ed 2.00 A4 4p EN	neral test methods I enumeration, in potable water, non-pota iic bacteria. It also refers to a method for Am 1(National), 2006-02-16 ermann-Storch method for the identification of the rosin content of fatty matter in so ptentiometric method)	Gr 8 07.100.20 be water and effluent water, of total coliform bacteria, faecal the detection and enumeration of bacteriophages. Am 2(National), 2007-09-07 Gr 1 71.100.40 on of rosin in fatty matter.

Specifies the potentiometric method for the determination of the chloride content of soap products.

SANS 5225:2006 (2011-08-26)	
(SABS SM 225) Carbolic acid content of carbolic scan	
Ed 2.00. A4.3p EN	Gr 3
PDF 3p EN	71.100.40
Specifies a method for the determination of the carbolic acid content of carbolic s	oap.
SANS 5226:2006 (2012-04-13) (SABS SM 226)	
Volatile matter content of scouring compounds	
Ed 2.00 A4 2p EN	Gr 2
PDF 2p EN	71.100.40
Specifies a method for the determination of the volatile matter content of scouring	g compounds.
SANS 5228:2006 (2011-08-26) (SABS SM 228)	
Titre of fatty matter in soaps	
Ed 2.00 A4 3p EN	Gr 3
PDF 3p EN	71.100.40
Specifies a method for the determination of the titre of fatty matter.	
SANS 5230:2006 (2011-08-26)	
Finances of water-insoluble matter of scouring compounds	
Ed 2.00 A4.3p EN	Gr. 3
PDF 3p EN	71,100,40
Specifies a method for the determination of the fineness of the water-insoluble ma	atter of scouring compounds.
SANS 5231:2005 (2011-01-28)	
(SADS SM 251) Soan nowder or soan chins - Determination of finances	
Ed 2.01 A4.25 EN	Gr 2
PDF 2p EN	Gr 2 71 100 40
Specifies a method for the determination of the fineness of soap powder or soap Am 1(National), 2005-10-07	chips.
SANS 5232:2006 (2011-08-26)	
(SABS SM 232)	
Abrasive number of scouring compounds	
Ed 4.00 A4 3p EN	Gr 3
PDF 3p EN	71.100.40
Specifies a method for the evaluation of the abrasive number of scouring compou	inds.
SANS 5233:2007 (2012-09-21)	
(SADS SM 233) Restigides – Rielegical evaluation of the office ov of mists and force	
	Cr F
PDF 9p EN	GI 5 65 100 01
Specifies a method for the biological evaluation of the efficacy of pesticidal mists	and fogs.
SANS 5235:2008	
(SABS SM 235)	
Standard test method for the determination of the diastatic power of malts p from millet	prepared from sorghum including bird-proof varieties, and
Ed 2.00 A4 8p EN	Gr 5
PDF 8p EN	67.060
Specifies a method for the determination of the diastatic power of malts prepared	from sorghum and from millet.
SANS 5236:2009	
(JABJ JIVI 236)	
PDF 3p EN	นเง 07 100 10
Describes a method to determine the bacteriostatic efficacy of water missible liqu	ide
Describes a method to determine the bacteriostatic enicacy of water misciple liqu	

SANS 5237:2005 (2010-03-26) (SABS SM 237) Chlorine retention of fabrics: reduction in breaking strength method	
Ed 2.00 A4 4p EN PDF 4p EN	Gr 2 59.080.30
Specifies a method for the determination of the chlorine retention of fabrics, using	the reduction in breaking strength method.
SANS 5247:2007 (SABS SM 247) Textiles - Nep count of cotton wool	
Ed 4.00 A4 6p EN PDF 6p EN	Gr 4 59.060.10
Specifies a method for determining the number of neps that are present in a samp	le of cotton wool.
SANS 5249:2006 (2012-03-30) (SABS SM 249)	
Determination of the absorbency rate of absorbent cotton wool	
Ed 2.00 A4 3p EN PDF 3p EN	Gr 3
Specifies a method for the determination of the absorbency rate of absorbent cotto	bn wool.
SANS 5250:2006 (2012-04-13)	
(SABS SM 250)	
Ed 3 00 A4 3p EN	Gr 3
PDF 3p EN	59.080.01
Specifies a method for the determination of the water-soluble matter content of tex	tiles.
SANS 5251:2006 (2011-09-16) (SABS SM 251)	
Effect of heat on absorbent cotton wool	
Ed 2.00 A4 3p EN PDF 3p EN	Gr 3 59.060.10
Specifies a method for the determination of the effect of heat on absorbent cotton	wool.
SANS 5252:2006 (2011-09-16)	
Determination of the presence of oxidizing substances in surgical dressings	
Ed 2.00 A4 3p EN	Gr 3
PDF 3p EN	11.040.30; 59.080.30
Specifies a method for the determination of the presence of oxidizing substances i	n surgical dressings.
SANS 5254:2003 (2009-01-30) (SABS SM 254)	
Determination of the presence of alkalinity in surgical dressings	
Ed 2.00 A4 1p EN PDF 1p EN	Gr 1 11.040.30: 59.080.30
Specifies a method for determining the presence of alkalinity in surgical dressings.	
SANS 5255:2003 (2009-01-30) (SABS SM 255)	
Determination of the presence of acidity in surgical dressings	
Ed 2.00 A4 1p EN PDF 1p EN	Gr 1 11.040.30; 59.080.30
Specifies a method for determining the presence of acidity in surgical dressings.	
SANS 5256:2005 (2010-05-07) (SABS SM 256)	
Presence of dyes in absorbent cotton wool	
Ed 3.00 A4 3p EN	Gr 3
Specifies a method for the determination of the presence of dves in absorbent cott	อง.บชบ.าบ on wool.

SANS 5257:2005 (2010-05-07) (SABS SM 257) Ash content of textile surgical dressings	
PDF 3p EN	Gr 3 11.040.30: 59.080.30
Specifies a method for the determination of the ash content of textile surgical dress	sings.
SANS 5258:2004 (2010-03-26) (SABS SM 258)	
Buoyancy of fibre fillers for life jackets	
Ed 3.00 A4 3p EN PDE 3p EN	Gr 2
Specifies a method for the determination of the buoyancy of fibre fillers for life jack	ets.
SANS 5259:2005 (2011-02-18) (SABS SM 259)	
Test for buoyancy of life-jackets	
Ed 5.00 A4 3p EN PDE 3p EN	Gr 3
Specifies a method of test for the buoyancy of life-jackets.	13.340.70
SANS 5260:2004 (2009-06-26) (SABS SM 260) Textiles - Yarns from packages - Determination of loop strength	
Ed 3.00 A4 2p EN PDE 2p EN	Gr 2
Specifies a method for the determination of the loop strength of packaged textile v_i	59.060.20 arns
(SABS SM 261) Bactericidal efficacy of anti-bacterial liquid toilet soap	
Ed 3.01 A4 6p EN	Gr 4
PDF 6p EN	07.100.10; 71.100.70
Specifies a method to determine the bactericidal efficacy of anti-bacterial liquid toil Am 1(National), 2009-02-06	et soap.
SANS 5262:2006 (2012-03-30) (SABS SM 262)	
Snarling twist in textile yarns	
Ed 3.00 A4 3p EN PDF 3p EN	Gr 3 59 080 20
Specifies a method for the determination of the snarling twist in textile yarns.	55.000.20
SANS 5263:2005 (2011-02-11) (SABS SM 263)	
Water absorption rate of textile fabrics	
Ed 5.00 A4 3p EN	Gr 3
Specifies a method for the determination of the water absorption rate of textile fabr	ics intended for use as towels, dishcloths, cleaning rags,
(SABS SM 264) Pile-to-ground length ratio of warp yarns in textile fabrics with uncut pile	

Ed 4.00	A4 5p EN	Gr 4
	PDF 5p EN	59.080.20

Specifies a method for the determination of the pile-to-ground length ratio of warp yarns in textile fabrics that have an uncut pile.
SANS 5265:2007 (SABS SM 265)	
Air permeability of textile fabrics	
Ed 3.01 A4 7p EN	Gr 5
Describes a method for measuring the permeability of fabrics to air and is applica technical purposes and non-woven fabrics that are permeable to air.	59.080.30 ble to most types of fabrics, including industrial fabrics for
SANS 5266:2005 (2011-02-18) (SARS SM 266)	
Water resistance of textile fabrics: Variable head test	
Ed 4.00 A4 3p EN	Gr 3
PDF 3p EN	59.080.30
Specifies a method for the determination of the water resistance of textile fabrics	using a variable waterhead apparatus.
SANS 5267:2005 (2011-02-18) (SABS SM 267)	
Threads per centimetre in narrow woven textile fabrics	
Ed 3.00 A4 2p EN	Gr 2
	59.080.30
Specifies a method for the determination of the number of threads per centimetre	in narrow woven textile fabrics.
SANS 5270:2004 (2009-06-26) (SABS SM 270)	
Turns per metre of final folding twist and twist variation of textile yarns	
Ed 3.00 A4 2p EN PDF 2p EN	Gr 2
Specifies a method for the determination of the turns per metre of final folding twis	st and twist variation of textile yarns.
SANS 5272:2007 (2012-04-13) (SABS SM 272)	
Non-fibrous material content of textiles - Hydrochloric acid method	
Ed 3.00 A4 5p EN PDE 5p EN	Gr 4
Specifies the hydrochloric acid method for the determination of the non-fibrous m with resins such as amino-type resins.	baterial content of textiles. Is applicable to textile materials treated
CANC 5074-0006 (0011 00 16)	
SANS 5274:2006 (2011-09-16) (SABS SM 274)	
Alkali-solubility of flax materials	
Ed 3.00 A4 5p EN	Gr 4
PDF 5p EN	59.080.30
Specifies a method for the determination of the alkali-solubility of flax materials.	
SANS 5275:2004 (2010-02-26) (SABS SM 275)	
Wales and courses per unit length in knitted textile fabrics (counting glass r	method)
Ed 4.00 A4 3p EN	Gr 3
Specifies a method for the determination of the wales and courses per unit length	59.080.30 in knitted textile fabrics, using a counting glass.
SANS 5276:2005 (2010-05-07) (SABS SM 276)	
Non-fibrous material content of textiles (physical separation method)	
Ed 3.00 A4 3p EN	Gr 3
PDF 3p EN	59.080.30
Specifies the physical separation method for the determination of non-fibrous mat	terial content of textiles.
SANS 5277:2009 (SABS SM 277)	
Resistance to attack by Chaetomium globosum	
Ed 4.00 A4 6p EN	Gr 4
PDF 6p EN	07.100.99; 59.080.01

Specifies a method for the determination of the resistance of the test specimens to attack by Chaetomium globosum.

Standards South Africa Catalogue 2013

SANS 52	78:2005 (2011-02-18)	
(SABS SI	M 278)	
Sewing s	stitches per unit length	
Ed 4.00	A4 3p EN PDF 3p EN	Gr 3 59.080.01
Specifies	a method for the determination of the number of sewing stitches per unit	length.
SANS 52	99:2008 (2012-09-21) M 299)	
Pesticide	es - Rearing and handling of the Mediterranean flour moth (Ephestia	kuehniella Zeller)
Ed 3.00	A4 3p EN	Gr 3
	PDF 3p EN	07.080; 65.100.10
Specifies	a method for the rearing and handling of the Mediterranean flour moth (E	phestia Kuehniella Zeller).
SANS 53 (SABS SI	00:2005 (2011-02-11) M 300)	
Water re	pellency of textile fabrics (Spray test)	
Ed 4.00	A4 5p EN	Gr 4
	PDF 5p EN	59.080.30
Specifies	the spray test for the determination of water repellency of textile fabrics.	
SANS 53	01:2005 (2011-02-18) M 301)	
Splitting	resistance of textile felts	
Ed 3.00	A4 2p EN	Gr 2
	PDF ² p EN	59.080.30
Specifies	a method for the determination of the splitting resistance of textile felts.	
SANS 53 (SABS SI	02:2009 M 302)	
Pesticide	es - Rearing and handling of the skin and hide beetle (Dermestes mad	culatus de Geer)
Ed 3.00	A4 4p EN	Gr 3
	PDF 4p EN	07.080; 65.100.10
Specifies	a method for the rearing and handling of the skin and hide beetle (Derme	stes maculatus De Geer).
SANS 53 (SABS SI	11:2006 (2012-04-05) M 311)	
Length o	f textile shoe laces	
Ed 3.00	A4 3p EN	Gr 3
Snacifias	PDF 3P EN	59.080.30
(SABS SI	M 312)	
Number	of interlacing threads in a braid	
Ed 2.00	A4 2p EN PDF 2p EN	Gr 2
Specifies	a method for the determination of the number of interlacing threads in a b	59.080.50 praid.
SANS 53	13:2005 (2010-02-19) M 313)	
Mass ne	r 100 m of textile shoe laces	
Ed 3.00	A4 3n EN	Gr 2
20 0.00	PDF 3p EN	59.080.01; 61.060
Specifies	a method for the determination of the mass per 100 m of textile shoe lace	es.
SANS 53 (SABS SI	14:2005 (2010-02-19) M 314)	
Plaits pe	r centimetre in a textile braid	
Ed 3.00	A4 2p EN	Gr 2
_		59.080.50

Specifies a method for the determination of plaits per centimetre in a textile braid.

SANS 53	15:2004 (2009-10-09) ∕/ 315)	
Colour-bl	leeding (in water) of textile shoe laces	
Ed 3.00	A4 6p EN	Gr 3
	PDF 6p EN	59.080.50; 61.060
Specifies	a method for the determination of colour-bleeding (in water) of textile show	e laces.
SANS 53	16:2005 (2010-03-26) <i>M</i> 316)	
Abrasion	resistance of textile shoe laces (without core) and similar articles	
Ed 3.00	A4 2p EN	Gr 2
	PDF 2p EN	59.080.50; 61.060
Specifies	a method for the determination of the abrasion resistance of textile shoe I	aces (without core) and similar articles.
SANS 532 (SABS SN	22:2005 (2011-02-11) M 322)	
Feathers	and down - Scouring test	
Ed 3.00	A4 3p EN PDE 3p EN	Gr 3
Specifies	a scouring test for feathers and down	59.040
opecilies	a scouning test for reachers and down.	
SANS 532	23:2008	
(SABS SN	A 323)	
Breaking	strength of seams in textiles	
Ed 3.01	PDF 4p EN	Gr 3
Specifies Am 1(Nat	a method for the determination of the breaking strength of seams in textilional), 2008-07-04	es.
SANS 53	26-2007	
(SABS SN	A 326)	
Skein str	ength and tenacity, and linear density of spun textile yarns on packa	ges
Ed 3.00	A4 4p EN	Gr 3
	PDF 4p EN	59.080.20
Specifies	a method for the determination of the skein strength and tenacity, and line	ear density of spun textile yarns on packages.
SANS 532 (SABS SN	28:2005 (2010-02-19) <i>M</i> 328)	
Tear resis	stance of textile felts	
Ed 3.00	A4 3p EN	Gr 3
	PDF 3p EN	59.080.30
Specifies	a method for the determination of the tear resistance of textile felts.	
SANS 53	30:2005 (2010-08-06)	
(SABS SN	A 330)	
Mass per	A 4 20 EN	C* 0
Ed 3.00	PDF 3p EN	Gr 3 59 080 30
Specifies	a method for the determination of the mass per unit length of conditioned	textile fabrics.
SANS 53	34:2008 (2012-10-05) // 334)	
Pesticide	s - Rearing and handling of the common housefly (Musca domestica	ı (L.))
Ed 5.00	A4 4p EN	Gr 3
	PDF 4p EN	07.080; 65.100.10
Specifies	a method for the rearing and handling of the common housefly (Musca do	omestica (L.)).
SANS 53	69:2005 (2010-02-19)	
(SABS SN	M 369)	
Dimensio	ons of hosiery	
⊨a 3.00		GT 3
	-r -··	01.020

Specifies a method for the determination of the dimensions of hosiery.

SANS 5370:2005 (2011-02-11)	
(SADS SM 370) Dimensional changes of hosiery during relaxation	
Ed 3.00 A4 4p EN	Gr 3
PDF 4p EN	61.020
Specifies a method for the determination of the dimensional changes of hosiery de	uring relaxation.
SANS 5385:2005 (2010-08-06) (SABS SM 385)	
Mass per unit area of conditioned knitted textiles	
Ed 3.00 A4 3p EN	Gr 3
PDF 3p EN	59.080.30
Specifies a method for the determination of the mass per unit area of conditioned	knitted textiles.
SANS 5398-1:2010 / ISO 5398-1:2007	ation by titration
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	59.140.30
Describes a method for the determination of chromium in aqueous solution obtain	ed from leather.
SANS 5398-2:2010 / ISO 5398-2:2009	
Leather - Chemical determination of chromic oxide content Part 2: Quantifica	ation by colorimetric determination
PDF 13p EN	Gr / 59 140 30
Describes the determination of chrome by colorimetric means. It is applicable to le	eathers which are expected to have chromic oxide contents in
excess of 0,05 %.	
SANS 5398-3:2010 / ISO 5398-3:2007 Leather - Chemical determination of chromic oxide content Part 3: Quantification	ation by atomic absorption spectrometry
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	59.140.30
Describes a method for the determination of chromium in aqueous solution obtain	ed from leather.
SANS 5398-4:2010 / ISO 5398-4:2007 Leather - Chemical determination of chromic oxide content Part 4: Quantification of chrometer (ICP-OES)	ation by inductively coupled plasma - optical emission
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	59.140.30
Describes a method for the determination of chromium in aqueous solution obtain	ned from leather.
SANS 5411:2005 (2010-02-19) (SABS SM 411)	
Flex cracking of coated textile fabrics	
Ed 3.00 A4 3p EN	Gr 2
PDF 3p EN	59.080.40
Specifies a method for the determination of the flex cracking of coated textile fabr	ics in both the warp and weft direction.
SANS 5412:2005 (2010-03-26) (SABS SM 412)	
Degree of blocking of coated textile fabrics	
Ed 3.00 A4 3p EN	Gr 3
Specifies a method for the determination of the degree of blocking of coated textile	59.080.40 e fabrics.
SANS 5413:2006	
(SABS SM 413)	
water absorption of plastics tiller foam for life jackets	Gr 2
PDF 3p EN	13.340.70:83.080.01
Specifies a method for the determination of the water absorption of plastics filler for	pam for life jackets.
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SANS 54 (SABS SN	14:2007 ∬ 414)	
Tensile s	trength and extension at break: modified (dumb-bell) strip method	
Ed 3.01	A4 4p EN PDF 4p EN	Gr 3
Specifies the modified (dumb-bell) strip method for the determination of tensile strength and extension at break of textile fabrics. Am 1(National), 2007-11-09		
SANS 54 (SABS SM	15:2005 (2010-05-07) M 415)	
Accelerat	ted aging of coated textile fabrics	
Ed 3.00	A4 3p EN PDF 3p EN	Gr 3
Specifies	a method for the accelerated aging of coated textile fabrics.	39.000.40
SANS 54 (SABS SM	17:2005 (2010-08-06) M 417)	
Density o	of foamed plastic fillers for life jackets	
Ed 3.00	A4 3p EN	Gr 3
	PDF 3P EN	13.340.70; 83.080.01
Specifies	a method for the determination of the density of foamed plastic fillers for I	life jackets.
SANS 54 (SABS SM	18:2005 (2010-05-07) M 418)	
Dimensio	onal changes of textile fabrics during steam pressing	
Ed 3.00	A4 4p EN PDE 4p EN	Gr 3
Onesifies		
Specifies	a method for the determination of the dimensional changes of textile fabri	ics during steam pressing.
SANS 54 (SABS SM Pesticide Ed. 3.00	19:2009 M 419) es - Evaluation of rodentproofness of building materials and construct A4 6n FN	ctions Gr 4
24 0.00	PDF 6p EN	91.100.01
Specifies	a method for the evaluation of rodentproofness of building materials and	constructions.
SANS 542 (SABS SM	20:2007 M 420)	
Gripping	strength of tags on textile shoe laces	
Ed 3.01	A4 3p EN PDE 3p EN	Gr 3
Specifies	a mothed for the determination of the gripping strength of tags on textile of	59.080.50; 61.060
Am 1(Nat	ional), 2007-11-09	shoe laces.
SANS 542 (SABS SM	21:2007 M 421)	
Slip resis	stance of textile shoe laces and similar articles	
Ed 3.01	A4 3p EN	Gr 3
	PDF 3p EN	59.080.50; 91.060
Specifies Am 1(Nat	a method for the determination of the slip resistance of textile shoe laces cional), 2007-11-09	and similar articles.
SANS 542 (SABS SM	22:2007 M 422)	
Pesticide	es - Biological evaluation of insecticidal sprays on compost (laborato	ory test)
Ed 3.00	A4 9p EN	Gr 5
Specifics	PUF 9p EN	65.100.10
Specifies		προδι.
SANS 54	33:2010 / ISO 5433:1999 Bovine wet blue - Specification	
Ed 1.00	A4 11p EN	Gr 7
	PDF 11p EN	59.140.30

Specifies requirements, methods of sampling and methods of test for wet blue leather produced from bovine hides and parts of bovine hides tanned without hair and with the use of basic chromium sulfate as the primary tanning agent.

SANS 5448:2006 (2012-04-13) (SABS SM 448)	
Effect of heat on appearance and texture of textile fabrics	
Ed 3.00 A4 3p EN PDF 3p EN	Gr 3 59.080.30
Specifies a method for the determination of the effect of heat on the appearance a	and texture of textile fabrics.
SANS 5449:2005 (2010-05-07) (SARS SM 449)	
Dimensional changes of made-up textile articles	
Ed 3.00 A4 4p EN	Gr 3
PDF 4p EN	59.080.01; 61.020
Specifies a method for the determination of the dimensional changes of made-up	textile articles.
SANS 5450:2007	
(SABS SM 450)	
Colour fastness of buttons to washing	04
PDF 6p EN	Gr 4 61 040
Specifies a method for the determination of the colour fastness of buttons to wash	ing.
SANS 5451:2004 (2009-10-09)	
(SABS SM 451)	
Colour fastness of buttons to dry cleaning	
Ed 3.00 A4 5p EN	Gr 3
PDF 5p EN	61.040
Specifies a method for the determination of the colour fastness of buttons to dry c	leaning.
SANS 5452:2005 (2010-08-06) (SABS SM 452)	
Method of obtaining test samples of cleaning waste	
Ed 2.00 A4 2p EN	Gr 2
PDF 2p EN	59.080.20
Specifies a method of obtaining test samples of cleaning waste.	
SANS 5457:2010	
(SABS SM 457) Restigides - Resting and handling of the American coolynopole (Revinlands of	mariaana (L.))
Festicides - Rearing and nandling of the American Cockroach (Periplaneta al	mericana (L.))
PDF 4p EN	GF 3 07 080: 65 100 10
Specifies a method for the rearing and handling of the American cockroach (Perin	laneta americana(L_))
	ianeta americana(L.)).
SANS 5458:2008	
(SABS SM 458)	
Ed 4.00. A4 25 EN	Cr 2
PDF 3p EN	07 080: 65 100 10
Specifies a method for the rearing and handling of the German cockroach (Blatella	a germanica (L.)).
SANS 5459:2008	
(SABS SM 459)	
Pesticides - Rearing and handling of the confused flour beetle (Tribolium co	nfusum (Duv.))
Ed 4.00 A4 3p EN PDE 3p EN	Gr 3
Specifies a method for the rearing and handling of the confused flour beetle (Tribo	lium confusum (Duv.)).
SANS 5460:2008	
(SABS SM 460)	
Pesticides - Rearing and handling of the granary weevil (Sitophilus granarius	s (L.))
Ed 4.00 A4 3p EN	Gr 3
רטר אָן בוּז	07.080; 65.100.10
Specifies a method for the rearing and handling of the granary weevil (Sitophilus g	ranarius (L.)).

SANS 54	l61:2008 (2012-10-05) M 461)	
Pesticid	es - Rearing and handling of the rice weevil (Sitophilus oryzae (L.))	
Ed 4.00	A4 3p EN PDE 3p EN	Gr 3
Specifies	a method for the rearing and handling of the rice weevil (Sitophilus oryza	e (L.)).
SANS 54	162-2008	
(SABS S	M 462)	
Pesticid	es - Rearing and handling of the yellow fever mosquito (Aedes aegyp	ti (L.))
Ed 4.00	A4 4p EN PDE 4p EN	Gr 3
Specifies	a method for the rearing and handling of the yellow fever mosquito (Aede	es aegypti (L.)).
SANS 54	164:2005 (2012-06-15) M 464	
Paints a	nd varnishes - Wet hiding power (brush-out method)	
Ed 4.00	A4 3p EN	Gr 3
	PDF 3p EN	17.180.20; 87.040
Specifies	the brush-out method for the determination of the wet hiding power of particular	ints.
SANS 54 (SABS S	169:2009 M 469)	
Soil buri	ial	
Ed 2.00		Gr 4
Specifies	a method for the soil burial of test specimens in order to determine the el	07.100.99; 59.080.01 ffect of microbiological activity on these specimens.
SANS 54	171-2006 (2012-10-05)	
(SABS S	M 471)	
Pesticid	es - Biological evaluation of the resistance of materials to termite atta	ack
Ed 2.01	A4 8p EN	Gr 5
	PDF 8p EN	65.100.10
Specifies Am 1(Na	a method for the biological evaluation of the resistance of materials to ter tional), 2006-04-21	rmite attack.
SANS 54 (SABS S	I72:2009 (2012-10-05) M 472)	
Resistar	nce to fungal attack by Aspergillus niger	
Ed 2.00	A4 6p EN PDE 6p EN	Gr 4
Specifes	a method for the determination of the resistance to fundal attack by Aspe	raillus niaer.
SANS 54	183-2006	
(SABS S	M 483)	
Non-fibr	ous material content of textiles (petroleum ether and water extraction	n method)
Ed 2.00	A4 4p EN PDF 4p EN	Gr 3 59 080 30
ISO 1833	3:1977, MOD	
Specifies	the petroleum ether and water extraction method for the determination of	the non-fibrous material content of textiles.
SANS 54 (SABS S	184:2009 M 484)	
Resistan	nce to fungal attack by mixed fungi	
Ed 3.00	A4 6p EN PDF 6p EN	Gr 4 07.100.99: 59.080.01
Specifies	a method for the determination of the resistance to fungal attack by mixe	d fungi.
SANS 54	186:2007 (2012-04-05)	
(SABS S	M 486)	
	թթացե A4 4n FN	Gr 3
24 0.00	PDF 4p EN	59.080.30

Specifies a method for the determination of seam slippage.

O ANO 5400 0005 (0040 00 00)	
SANS 5488:2005 (2010-08-06) (SABS SM 488)	
Width of ribbons and other narrow fabrics	
Ed 2.00 A4 2p EN	Gr 2
PDF 2p EN	59.080.30
Specifies a method for the determination of the width of ribbons and other narrow f	abrics.
SANS 5492:2007 (SARS SM 492)	
Runnage of twines	
Ed 3.00 A4 3p EN	Gr 3
PDF 3p EN	59.080.50
Specifies a method for the determination of the runnage (length per mass) of twine	s.
SANS 5493:2008 (SABS SM 493)	
Ball burst strength of textile fabrics	
Ed 4.01 A4 4p EN	Gr 3
PDF 4p EN	59.080.30
Specifies a method for the determination of the ball burst strength of textile fabrics. Am 1(National), 2008-06-13	
SANS 5502:2009	
(SABS SM 502)	
Burning test on cable dielectric and outer coverings	C [*] 0
PDF 3p EN	Gr 3 29 020: 29 060 20
Specifies a method to determine the burning resistance of cable dielectric and oute	er coverings.
SANS 5506:2008	
Tear resistance of rubber cable sheathing	
Ed 3.01 A4 3p EN	Gr 3
PDF 3p EN	29.035.20
Specifies a method for determining the tear resistance of rubber cable sheathing. Am 1(National), 2008-09-05	
SANS 5509:2009	
(SABS SM 509)	
Bactericidal efficacy of disinfectants: Kelsey Sykes test (modified)	
Ed 2.01 A4 14p EN	Gr 6
	07.100.10; 11.080.20
Specifies a method to determine the bactericidal efficacy of disinfectants using the Am 1(National), 2009-02-06	Kelsey Sykes test (modified).
SANS 5511:2008	
(SABS SM 511) Oil resistance of vehicle ignition cables	
Ed 3.00 A4.3n EN	Gr 3
PDF 3p EN	29.060.20
Specifies a method for the determination of the oil resistance of vehicle ignition cat	oles.
SANS 5513:2007 (SABS SM 513)	
Dripping test on braided and impregnated heat-resistant cables	
Ed 3.00 A4 2p EN	Gr 2
PDF 2p EN	29.060.20
Specifies a test method for determining the amount of dripping of impregnated con	npound of braided and impregnated heat-resistant cables.
SANS 5514:2007	
(Second Star) Flexibility of braided and impregnated heat-resistant cables	
Ed 3.00 A4 3p EN	Gr 3
PDF 3p EN	29.060.20
Specifies a test method for determining the flexibility of braided and impregnated h	eat-resistant cables.

Standards South Africa Catalogue 2013

SANS 5515:2007 (SABS SM 515)	
Flexing test on flexible cords	
Ed 3.00 A4 4p EN	Gr 3
Specifies a method for conducting the flexing test on flexible cords.	29.060.20
SANS 5516:2007	
Kink resistance of circular flexible cords	
Ed 4.00 A4 6p EN PDF 6p EN	Gr 4
Describes a method for determining the kink resistance of circular flexible cords.	23.000.20
SANS 5526:2007 (SABS SM 526)	
Dielectric resistance of electric cables	
Ed 3.00 A4 4p EN	Gr 3
Describes the method for determining the dielectric resistance of electric cables.	29.035.01; 29.060.20
SANS 5529:2007	
(SABS SM 529)	
Power frequency electrical puncture test on ignition cables	
PDF 5p EN	Gr 4 29.060.20
Specifies a method for conducting the power frequency electrical puncture test on	ignition cables.
SANS 5537:2005 / ISO 5537:2004 (2010-08-06) Dried milk - Determination of moisture content (Reference method) Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	67.100.10
Specifies a method for the determination of the moisture content of all types of drie	ed milk.
SANS 5544:2008 (SABS SM 544)	
Dimensions of aluminium and copper strip, sheet, rod, bar, tube, channel an	d angle
Ed 3.00 A4 2p EN	Gr 2
PDF 2p EN	17.040.01; 77.150.10; 77.150.30
Specifies a method for the determination of the dimensions of aluminium and copp	per strip, sneet, roo, bar, tube, channel and angle.
SANS 5550:2009 (SABS SM 550)	
Potency of antibiotics - Microbiological agar diffusion method of assay (two-	point technique)
Ed 3.00 A4 17p EN	Gr 7
PDF 1/ p EN	07.100.10; 11.120.10
agar diffusion two-point assay technique.	
SANS 5553:2008 (SABS SM 553) Media and reagents for microbiological tests	
Ed 2.00 A4 7p EN	Gr 5
PDF 7p EN	07.100.10
Specifies the quality of ingredients and the general method to be used in the prepare the use of different formulations and ingredients might influence the results of the	aration of media and reagents for microbiological tests in which test.
SANS 5557:2009 (SABS SM 557)	
Bending tests (longitudinal, transverse and edgewise) on copper strip or she	pet
Ed 3.00 A4 4p EN	Gr 3
ዋሀት 4p EN	77.040.10

Specifies the methods for longitudinal tests, transverse tests, and edgewise tests on copper strip or sheet.

SANS 5560:2005 (2010-07-09) (SABS SM 560) Pigment volume concentration of paints with a non-aqueous solvent base Ed 3.00 A4 6p EN Gr 4 PDF 6p EN 87.060.10 Specifies a method for the determination of the pigment volume concentration of paints with a non-aqueous solvent base. The values for relative density of the solvent, pigment content of the paint, relative density of the pigment, volatile matter content of the paint and non-volatile vehicle content of the paint that are used in the calculations, are obtained separately. SANS 5568:2010 (SABS SM 568) Pesticides - Insecticidal oil-based space sprays in low and medium pressure aerosol dispensers - Determination of internal pressure of filled dispensers Ed 4.00 A4 3p EN Gr 3 PDF 3p EN 17.100; 55.130; 65.100.01 Gives guidance on the determination of the internal pressure of filled dispensers of insecticidal oil-based space sprays. SANS 5569:2003 (2007-06-29) (SABS SM 569) Pesticides: Insecticidal oil-based space sprays in low-pressurized dispensers: Determination of delivery rate Ed 3.00 A4 1p EN Gr 1 PDF 1p EN 55.130; 65.100.01 Gives guidance on the determination of the delivery rate of insecticidal oil-based space sprays. SANS 5570:2007 (SABS SM 570) Pesticides - Insecticidal oil-based space sprays in low-pressurized dispensers - Determination of the combustibility (closed drum test) Ed 3.00 A4 2p EN Gr 2 PDF²p EN 55.130; 65.100.01 Specifies a method for the determination of the combustibility (closed drum test) of insecticidal oil-based space sprays in low-pressurized dispensers. SANS 5571:2007 (SABS SM 571) Pesticides - Insecticidal oil-based space sprays in low-pressurized dispensers - Determination of non-volatile content Ed 3.00 A4 3p EN Gr 3 PDF 3p EN 55.130; 65.100.01 Specifies a method for the determination of non-volatile matter content of insecticidal oil-based space sprays in low-pressurized dispensers. SANS 5572:2007 (SABS SM 572) Pesticides - Insecticidal oil-based space sprays in low-pressurized dispensers - Determination of crazing effect on organic glass (polyacrylate sheet) Ed 3.00 A4 3p EN Gr 3 PDF 3p EN 55.130; 65.100.01 Specifies a method for the determination of the crazing effect of insecticidal oil-based space sprays in low-pressurized dispensers on organic glass (polyacrylate sheet) SANS 5573:1970 (1999-10-01) (SABS SM 573) Pesticides: insecticidal oil-based space sprays in low-pressurized dispensers: determination of staining effect on painted surfaces Ed 2.00 A5 5p EN Loose-leaf Gr 3 PDF 5p EN 55.130: 65.100.01 Specifies a method for the determination of the staining effect of insecticidal oil-based space sprays in low-pressurized dispensers, on painted surfaces. SANS 5574:1970 (1999-10-01) (SABS SM 574) Pesticides: Insecticidal oil-based space sprays in low-pressurized dispensers: determination of staining effect on multifibre test fabric Ed 2.00 A5 2p EN Loose-leaf Gr 1 PDF²p EN 55.130; 65.100.01 Specifies a method for the determination of the staining effect of insecticidal oil-based space sprays in low-pressurized dispensers on multifibre test fabric.

SANS 5575:2007 (SABS SM 575)	
Pesticides - Testing of valves of filled insecticidal low-pressurized disp	pensers for clogging
Ed 2.00 A4 2p EN PDF 2p EN	Gr 2 55.130: 65.100.01
Specifies a method for the testing of valves of filled insecticidal low-pressure	ized dispensers for clogging.
SANS 5576:2012	
(SADS SIM 576) Resticides - Riological evaluation of the efficacy of insecticidal space (enrave in aeroeol dispensers
Ed 5.00 A4.70 EN	Gr 5
PDF 7p EN	55.130: 65.100.01
Describes a procedure for determining, by biological evaluation, the efficacy	of insecticidal space sprays in aerosol dispensers.
SANS 5583:2012 (SABS SM 583)	
Pesticides - Biological evaluation of the contact efficacy of liquid resid	lual insecticides
Ed 4.00 A4 9p EN	Gr 5
PDF 9p EN	65.100.01
Describes a method for conducting biological contact efficacy tests of liquid granules).	residual insecticides (including wettable powders and water dispersible
SANS 5584:1970 (1999-10-01) (SABS SM 584)	
Field trials of agricultural crops for pesticide residue analysis	
Ed 1.00 A5 8p EN Loose-leaf	Gr 4
PDF 8p EN	65.100.01
Specifies a method for field trials of agricultural crops for pesticide residue a	analysis.
SANS 5591:1975 (2000-06-13) (SABS SM 591)	
Preparation of samples and extracts used in testing plastics for medic	al use
Ed 1.00 A5 3p EN Loose-leaf	Gr 2
PDF 3p EN	11.040.99
Specifies methods for the preparation of samples and extracts used in testin	ng plastics for medical use.
SANS 5602:2006 (2011-09-16) (SABS SM 602)	
Water-soluble size content of woven textile fabrics	
Ed 2.00 A4 4p EN PDF 4n FN	Gr 3
Specifies a method for the determination of the water-soluble size content of	59.080.30
	woven textile rabiles.
(SABS SM 607)	
Creepage (of woven textile fabrics)	
Ed 3.00 A4 3p EN PDE 3p EN	Gr 3
Specifies a method for the determination of the creepage of woven textile fa	1brics.
SANS 5614:2009	
Resistance to growth of Trichophyton interdigitale	
Ed 3.00 A4 6p EN	Gr 4
PDF 6p EN	07.100.01
Specifies a method for the determination of the resistance of test speciment	s to the growth of Trichophyton interdigitale.
SANS 5615:2010 (SABS SM 615)	
Method for the sampling of footwear components and materials other	than leather
Ed 2.00 A4 2p EN	Gr 2
PDF ² p EN	61.060
Specifies a method for the sampling of rubber and footwear components an	d materials.

SANS 56	616:2001	
(SABS S	M 616)	
Preparat	tion of samples (leather, elastomeric material and other footwear mat	erials)
Ed 3.00	A4 3p EN Loose-leaf	Gr 3
		61.060
Specifies	s a method for the preparation of samples (leather, elastomeric materials a	and other footwear materials).
SANS 56 (SABS S	618:2001 M 618)	
Leather	 Matter extractable by petroleum ether 	
Ed 3.00	A4 3p EN Loose-leaf PDF 3p EN	Gr 3 59.140.30
Specifies	a method for the determination of matter extractable from leather by petr	oleum ether.
SANS 56	619:2001	
Determi	nation of water-soluble matter content in leather	
Ed 3.00	A4 2n FN I oose-leaf	Gr 2
	PDF 2p EN	59.140.30
Specifies	a method for the determination of the water-soluble matter content in lea	ther.
SANS 56	520:2010	
(SABS S	M 620)	
Determi	nation of sulphated ash content of water-solubles in leather	
Ed 3.00	A4 3p EN PDE 3p EN	Gr 3
Specifier	2. a method for the determination of subhated ash content of water soluble	59.140.30 matter in leather
opecilies	s a method for the determination of sulphated ash content of water-soluble	
SANS 56 (SABS S	521:2009 M 621)	
Determi	nation of total ash content of leather	
Ed 3.00	A4 3p EN	Gr 3
	PDF 3p EN	59.140.30
Specifies	s a method for the determination of total ash content of leather.	
SANS 56	624:1972 (1999-04-30)	
(SABS S	M 624)	
Determi	nation of hide substance of leather	
Ed 2.00	A5 2p EN Loose-leaf	Gr 1
	PDF 2p EN	59.140.30
Specifies	s a method for the determination of the hide substance content of leather	
SANS 56 (SABS S	527:1972 (1999-02-19) 5M 627)	
Determi	nation of magnesium sulphate content of leather by complexometric	titration
Ed 2.00	A5 2p EN Loose-leaf	Gr 1
	PDF 2p EN	59.140.30
Specifies	s a method for the determination of the magnesium sulphate content of lea	ther by complexometric titration
SANS 56 (SABS S	530:1968 (1999-02-19) M 630)	
Determi	nation of resistance to grain cracking of leather	
Ed 1.00	A5 3p EN Loose-leaf	Gr 2
	PDF 3p EN	59.140.30
Specifies	s a method for the determination of the resistance to grain cracking of leat	her.
SANS 56 (SABS S	532:1968 (1999-02-19) IM 632)	
Determi	nation of dynamic waterproofness of sole leather	
Ed 1.00	A5 4p EN Loose-leaf	Gr 3
	PDF 4p EN	59.140.30
o '''	a second s	- 4 h

Specifies a method for the determination of the dynamic waterproofness of sole leather.

SANS 5633:1968 (1999-02-19)	
(SABS SM 633) Retermination of west stitch took strongth (losthow losthowhourd fil	h va h a a val)
Ed 1.00. A5 2p ENU ecce lost	
PDF 2p EN	59.140.30
Specifies a method for the determination of the wet stitch tear strength footwear.	of leather, leatherboard of fibreboard inner soles or inner-sole material for
SANS 5634:2010	
(SABS SM 634)	
Determination of wet compressibility of leather and fibreboards	
Ed 3.00 A4 3p EN	Gr 3
PDF 3p EN	59.140.30
Specifies a method for the determination of the wet compressibility of I	eather and fibreboards.
SANS 5636:1972 (1999-02-19) (SABS SM 636)	
Determination of (a) tensile strength, (b) percentage elongation caleather	used by a specified force, (c) percentage elongation at break of
Ed 2.00 A5 2p EN Loose-leaf	Gr 1
PDF 2p EN	59.140.30
Specifies methods for the determination of (a) the tensile strength, (b) percentage elongation at break of leather.	the percentage elongation caused by a specified force, and, (c) the
SANS 5637:2000	
(SABS SM 637)	
Determination of tearing strength	
Ed 3.00 A4 4p EN	Gr 3
Specifies a method for the determination of tearing strength.	59.140.30
SANS 5638:1968 (1999-02-19) (SARS SM 638)	
Determination of dynamic waterproofness of upper leather	
Ed 1.00 A5 7p EN Loose-leaf	Gr 3
PDF 7p EN	59.140.30
Specifies a method for the determination of the dynamic waterproofnes	ss of upper leather.
SANS 5640:1968 (1999-02-19) (SABS SM 640)	
Determination of flex resistance (leather fibreboard and cellulose	fibreboard inner soles)
Ed 1.00 A5 3p EN Loose-leaf	Gr 2
PDF 3p EN	61.060
Specifies a method for the determination of the flex resistance of leath	er fibreboard and cellulose fibreboard inner soles.
SANS 5641:1972 (1999-04-30) (SABS SM 641)	
Determination of wet and dry bursting strengths of stiffeners	
Ed 2.00 A5 2p EN Loose-leaf	Gr 1
PDF 2p EN	61.060
Specifies a method for the determination of wet and dry bursting streng	of stiffeners for footwear.
SANS 5642:1972 (1999-02-19)	
(SABS SM 642) Retermination of water abcorntian of inner calco and inner calc	actorial
Ed 2.00. A5 th ENL cose lost	
PDF 1p EN	61 060

Specifies a method for the determination of the water absorption of inner soles and inner-sole material.

SANS 5644:1988 (1999-02-19) (SABS SM 644)	
Accumulated impact strength of toe-puff materials and the degree of so	oftening of toe-puffs
Ed 3.00 A5 4p EN Loose-leaf	Gr 2
PDF 4p EN	61.060
Specifies a method for the determination of the accumulated impact strength puffs.	n of footwear toe-puff materials and the degree of softening of toe-
SANS 5645:1994 (1999-10-15) (SABS SM 645)	
Safety footwear - Impact resistance	
Ed 3.00 A4 3p EN Loose-leaf	Gr 3
PDF 3p EN	13.340.50
Specifies a method of measuring the impact resistance of safety and protect	tive toe-caps and footwear incorporating such toe-caps.
SANS 5646:1972 (1999-02-19) (SABS SM 646)	
Determination of bond strength of rib attachment (stuck-on rib inner so	oles)
Ed 2.00 A5 1p EN Loose-leaf	Gr 1
PDF 1p EN	61.060
Specifies a method for the determination of the bond strength of rib attachm	ent (stuck-on rib inner soles).
SANS 5648:1972 (1999-02-19)	
(SADS SM 040)	
	Cr. 1
PDF 2n EN	50 140 20
Specifies a method for the identification of organic retanned matter in chrom	le retanned leather.
SANS 5649:1972 (1999-02-19)	
(SABS SM 649)	
Determination of density of elastomeric material	
Ed 2.00 A5 2p EN Loose-leaf PDE 2p EN	Gr 1
	61.060
Specifies a method for the determination of the density of elastomeric footwo	ear materials.
SANS 5650:1972 (1999-02-19) (SABS SM 650)	
Determination of hardness of elastomeric material	
Ed 2.00 A5 3p EN Loose-leaf	Gr 2
PDF 3p EN	61.060
Specifies a method for the determaination of the hardness of elastomeric for	otwear material.
CAND 5050-1070 (1000 00 10)	
SANS 5053: 1972 (1999-02-19) (SARS SM 653)	
Determination of heat shrinkage of elastomeric material	
Ed 2.00 A5.1n EN Loose-leaf	Gr 1
PDF 1p EN	61 060
Specifies a method for the determination of the heat shrinkage of elastomeri	ic footwear material.
SANS 5654:1972 (1999-02-19)	
(SABS SM 654)	
Determination of compression set of elastomeric material	
Ed 2.00 A5 2p EN Loose-leaf	Gr 1
PDF 2p EN	61.060
Specifies a method for the determination of the compression set of elastome Am 1(National), 1996-03-18	eric footwear material.
SANS 5655:1972 (1999-02-19)	
(SABS SM 655)	
Determination of flammability of elastomeric material	
Ed 2.00 A5 1p EN Loose-leaf	Gr 1
PDF 1p EN	61.060
Specifies a method for the determination of the flammability of elastomeric r	naterial
-	

SANS 5656:1972 (1999-02-19)	
(SABS SM 656)	
Determination of swelling of elastomeric material in swelling liquid	S
PDF 1p EN	Gr 1 61.060
Specifies a method for the determination of the swelling of elastomeric for	ootwear material in swelling liquids.
SANS 5660:1968 (1999-10-15) (SABS SM 660)	
Determination of adhesion of outer soles to upper material (stuck-o	n)
Ed 1.00 A5 1p EN Loose-leaf	Gr 1
PDF 1p EN	61.060
Specifies a method for the determination of the adhesion of outer soles	to stuck-on upper material of footwear
SANS 5661:1968 (1999-10-15) (SABS SM 661)	
Determination of adhesion of upper leather to direct moulded rubbe	er soling material
Ed 1.00 A5 1p EN Loose-leaf PDF 1p EN	Gr 1 61.060
Specifies a method, with reference to SABS SM 660, for the determinati rubber soling material.	on of the adhesion of the upper leather of footwear to direct moulded
SANS 5662:1973 (1999-02-19) (SABS SM 662)	
Determination of peeling load (outer soles to canvas uppers) on ca	nvas shoes
Ed 1.00 A5 to EN Loose-leaf	Gr 1
PDF 1p EN	61.060
Specifies a method for the determination of the peeling load (outer soles	to canvas uppers) on canvas shoes.
SANS 5663:1973 (1999-02-19)	
Determination of adhesion between foxing and canvas unners in ca	nvas shoes
Ed 1 00 A5 1n EN Loose-leaf	Gr 1
PDF 1p EN	61.060
Specifies a method for the determination of adhesion between the foxing	g and the canvas uppers in canvas shoes.
SANS 5665:2005 (2010-09-23)	
(SADS SM 003) Resistance to crean of adhesive hands	
Ed 2.00 A4.3p EN	Gr 3
PDF 3p EN	61,060
Specifies a method for the determination of the resistance to creep of ac	lhesive bonds between footwear materials.
SANS 5666:1994 (1999-10-15)	
Footwear - Soling material - Cut growth resistance	
Ed 2.00 A4 5p EN Loose-leaf	Gr 4
PDF 5p EN	61.060
Specifies a method of measuring the resistance of soling material to cra through 90 over a mandrel after the material has been pierced with a ch material to crack.	cking resulting from flexing in wear. The soling material is repeatedly flexed isel. The rate of growth of this cut is a measure of the tendency of the
SANS 5667-1:2008 / ISO 5667-1:2006 (SABS ISO 5667-1)	
Water quality - Sampling Part 1: Guidance on the design of sampling	g programmes and sampling techniques
Ed 2.00 A4 38p EN	Gr 11

Ed 2.00 A4 38p EN PDF 38p EN

Sets out the general principles for, and provides guidances on, the design of sampling programmes and sampling techniques for all aspects of sampling water (including waste waters, sludges, effluents and bottom deposits).

13.060.45

SANS 5667-3:2006 / ISO 5667-3:2003 (2012-11-30) (SABS ISO 5667-3)

Water quality - Sampling Part 3: Guidance on the preservation and handling of water samples

Ed 2.00 A4 38p EN PDF 38p EN Gr 11 13.060.45

Gr 7

13.060.45

13.060.45

Gives general guidelines on the precautions to be taken to preserve and transport all water samples including those for biological analyses but not those intended for microbiological analysis. These guidelines are particularly appropriate when spot or composite samples cannot be analysed onsite and have to be transported to a laboratory for analysis.

SANS 5667-4:1987 / ISO 5667-4:1987 (2006-02-16)

(SABS ISO 5667-4)

Water quality - Sampling Part 4: Guidance on sampling from lakes, natural and man-made

Ed 1.00 A4 9p EN PDF 9p EN

Presents detailed principles to be applied to the design of sampling programmes, to sampling techniques and the handling and preservation of samples of water from natural and man-made lakes. Am 1(National), 2006-02-16

SANS 5667-5:2006 / ISO 5667-5:2006 (2012-11-30) (SABS ISO 5667-5)

Water quality - Sampling Part 5: Guidance on sampling of drinking water from treatment works and piped distribution systems Ed 2.00 A4 24p EN Gr 10

PDF 24p EN

Establishes principles to be applied to the techniques of sampling water intended for human consumption, where water is drawn from municipal or similar distribution systems (including individual systems) where either prior treatment or quality assessment (or both) has resulted in the water being classified as suitable for drinking or potable process purposes. It is specifically applicable to water that is in continuous supply relative to any stage of use up to and including the point of consumption in a distribution system. This includes distribution within large buildings in which additional water quality management might be applicable. It is also applicable to sampling situations that can arise relative to the investigation of system defects or emergency situations where the safety of sampling operatives is not compromised.

SANS 5667-6:2006 / ISO 5667-6:2005 (2012-11-30)

(SABS ISO 5667-6)

Water quality - Sampling Part 6: Guidance on sampling of rivers and streams

Ed 2.00	A4 25p EN	Gr 10
	PDF 25p EN	13.060.45

Sets out the principles to be applied to the design of sampling programmes, sampling techniques and the handling of water samples from rivers and streams for physical, chemical and limited microbiological assessment.

SANS 5667-10:2007 / ISO 5667-10:1992

Water	quality -	- Sampling	Part 10:	Guidance on	n sampling	of waste waters
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Ed 1.00	A4 15p EN	Gr 8
	PDF 15p EN	13.060.01; 13.060.45

Contains details on the sampling of domestic and industrial waste water, i.e. the design of sampling programmes and techniques for the collection of samples. Covers waste water in all its forms, i.e. industrial waste water, and crude and treated domestic waste water.

SANS 5667-11:1993 / ISO 5667-11:1993 (2006-02-16)

(SABS ISO 5667-11)

Water quality - Sampling Part 11: Guidance on sampling of groundwaters

Ed 1.00	A4 16p EN	Gr	9
	PDF 16p EN	13.0)60

Provides guidance on the design of sampling programmes, sampling techniques and the handling of water samples taken from groundwater for physical, chemical and microbiological assessment.

Am 1(National), 2006-02-16

SANS 5667-13:2007 / ISO 5667-13:1997

Water quality - Sampling Part 13: Guidance on sampling of sludges from sewage and water treatment works

Ed 1.00 A4 26p EN

PDF 26p EN

Gives guidance on the sampling of sludges from wastewater treatment works, water treatment works and industrial processes. Is applicable to all types of sludge arising from these works and also to sludges of similar characteristics, for example septic tank sludges.

SANS 5667-14:2007 / ISO 5667-14:1998

Water quality - Sampling Part 14: Guidance on quality assurance of environmental water sampling and handling

Ed 1.00	A4 23p EN	Gr 10
	PDF 23p EN	13.060.01; 13.060.45

Provides guidance on the selection and use of various guality assurance techniques relating to the manual sampling of surface, potable, waste, marine and ground waters.

> Standards South Africa Catalogue 2013 NUM - 326

Gr 10

13.060.30; 13.060.45

0.45

SANS 5667-15:1999 / ISO 5667-15:1999 (2006-02-16) (SABS ISO 5667-15)	
Water quality - Sampling Part 15: Guidance on preservation and handling of s	sludge and sediment samples
Ed 1.00 A4 13p EN	Gr 9
	13.060.50
Provides guidance on the procedures for preservation and handling of sewage and freshwater sediments for subsequent analysis. Am 1(National), 2006-02-16	waterworks sludges, suspended matter, and saltwater and
SANS 5667-18:2007 / ISO 5667-18:2001 Water quality - Sampling Part 18: Guidance on sampling of groundwater at cc	ontaminated sites
Ed 1.00 A4 30p EN	Gr 10
PDF 30p EN	13.060.10; 13.060.45
Provides guidance on the sampling of groundwater at potentially contaminated sites subsurface could exist as a result of downward migration of pollutants whose sourc ISO 5667-11 (published in South Africa as an identical adoption under the designat	s. Is applicable to situations where contamination of the e is at the surface or just below it, and when the guidance in ion SANS 5667-11) is inappropriate.
SANS 5668:1973 (1999-02-19) (SABS SM 668)	
Measurement of set in lasting of leather with the dome plasticity apparatus	
Ed 1.00 A5 4p EN Loose-leaf	Gr 3
PDF 4p EN	61.060
Specifies a method for the measurement of the set in lasting of leather with the dor	ne plasticity apparatus.
SANS 5669:1973 (1999-02-19) (SABS SM 669)	
Measurement of distension and strength of grain of leather by the ball burst t	est
Ed 1.00 A5 2p EN Loose-leaf	Gr 1
PDF 2p EN	59.140.30
Specifies the ball burst test for the measurement of the distension and strength of g	grain of leather.
SANS 5682:2006 (SABS SM 682)	
Efficacy of algaecides	
Ed 2.01 A4 10p EN	Gr 5
PDF 10p EN	65.100.20
Specifies a method to determine the algaecidal efficacy of disinfectants using the S Am 1(National), 2006-11-03	Selenastrum capricornutum growth inhibition test.
SANS 5683:2006 (SABS SM 683)	
Determination of shade depth class	
Ed 2.01 A4 4p EN	Gr 3
PDF 4p EN	17.180.20
Specifies a method for the visual determination of the shade depth class of textile factor and a statement of the shade depth class of textile factor and textil	abrics, textile products and textile floor coverings.
SANS 5686:2007 (2012-10-05) (SABS SM 686)	
Pesticides - Aromatic plus heterocyclic fraction content and naphthenic plus base oils	paraffinic fraction content of insecticidal petroleum
Ed 2.00 A4 4p EN PDF 4p EN	Gr 3 65.100.01
Specifies a method intended for the separation and determination of the aromatic p contents of unformulated mineral base oils and base oils extracted from emulsifiable	lus heterocyclic (A+H) and naphthenic plus paraffinic (N+P) le concentrates of insecticidal petroleum oils.
SANS 5687:2007 (2012-10-05) (SABS SM 687)	
Pesticides - Oil content and emulsifier content of emulsifiable concentrates o	f insecticidal petroleum oils
Ed 2.00 A4 5p EN	Gr 4
PDF 5p EN	65.100.01

Specifies a method for the determination of oil content and emulsifier content of emulsifiable concentrates of insecticidal petroleum oils.

SANS 5689:2012	
(SABS SM 689)	
Pesticides - Biological evaluation of the direct spray knockdown and	I killing properties of liquids and aerosol dispensers
Ed 4.00 A4 5p EN PDF 5p EN	Gr 4 65.100.01
Describes a method for conducting biological evaluation tests of liquid an	d aerosol formulations.
SANS 5690:2012	
(SABS SM 690) Resticides – Rislanias evolustion of the preparties of colid fly beits	
PDF 11p EN	65.100.10
Describes a method for conducting biological evaluation tests on solid fly	baits.
SANS 5693:2007	
(SABS SM 693)	
Pesticides - Biological evaluation of the efficacy of insecticide dustin	ng powders
Ed 3.00 A4 6p EN	Gr 5
PDF 6p EN	65.100.01
Specifies a method for conducting biological efficacy tests on insecticide	dusting powders.
SANS 5694:2007	
(SABS SM 694)	
Pesticides - Biological testing of the efficacy of rodenticides	
PDF 8p EN	Gr 5 65.100.10
Specifies a method for the biological testing of the efficacy of rodenticides	S.
SANS 5695:2012	
(SABS SM 695)	
Pesticides - Biological properties - Efficacy of mosquito repellents	
Ed 3.00 A4 14p EN PDF 14p EN	Gr 6 65.100.10
Specifies 3 methods for the biological evaluation of the efficacy of mosqu	ito repellents.
SANS 5696:2012	
(SABS SM 696) Pesticides - Biological evaluation of the efficacy of residual sprays a	nainst skin and hide beetles
Ed 3.00 A4.7n EN	Gr 5
PDF 7p EN	65.100.10
Specifies a method for the biological evaluation of the efficacy of residual	sprays against skin and hide beetles.
SANS 5725-1:2009 / ISO 5725-1:1994	
Accuracy (trueness and precision) of measurement methods and res	sults Part 1: General principles and definitions
Ed 1.00 A4 24p EN	Gr 10
PDF 24p EN	01.040.17; 03.120.30; 17.020
Provides measurement methods which yield measurements on a continu- value may be the outcome of a calculation from a set of observations. De measurement method to give a correct result (trueness) or to replicate a g thing is being measured, in exactly the same way, and that the measurem Cor 1(International), 2009-08-14	ous scale and give a single value as the test result, although this single fines values which describe, in quantitative terms, the ability of a given result (precision). Thus there is an implication that exactly the same nent process is under control.
SANS 5725-2-2000 / ISO 5725-2-1004	
Accuracy (trueness and precision) of measurement methods and res	sults Part 2: Basic method for the determination of repeatability
and reproducionity of a standard measurement method Ed 1.00. A4.49p EN	Gr 12
PDF 49p EN	03 120 30: 17 020

Amplifies the general principles to be observed in designing experiments for the numerical estimation of the precision of measurement methods by means of a collaborative interlaboratory experiment. Provides description of the basic method for routine use in estimating the precision of measurement methods. Provides guidance on designing, performing or analysing the results of the tests for estimating precision. **Cor 1(International), 2009-08-14**

	Gr 5
	91.100.10
etermine the specific surface of cement. I -05	
Standards South Africa Catalogue NUM - 329	2013

NUMERICAL	LIST	OF	STAND	ARDS
		•••	017.012	

SANS 5725-3:2009 / ISO 5725-3:1994 Accuracy (trueness and precision) of measurement methods and results Part 3: Intermediate measures of the precision of a standard

measurement method

Ed 1.00 A4 35p EN PDF 35p EN	Gr 11 03.120.30; 17.020
Addresses the implications of the definitions of intermediate precision measures of intermediate precision measures in practical situations. Cor 1(International), 2009-08-14	es and presents guidance on the interpretation and application of the
SANS 5725-4:2009 / ISO 5725-4:1994 Accuracy (trueness and precision) of measurement methods and results of a standard measurement method	Part 4: Basic methods for the determination of the trueness

Ed 1.00 A4 30p EN PDF 30p EN

Provides basic methods for estimating the bias of a measurement method and the laboratory bias when a measurement method is applied. Provides measurement methods which yield measurements on a continuous scale and give a single value as the test result, although the single value may be the outcome of a calculation from a set of observations.

SANS 5725-5-2000 / ISO 5725-5-1008

SANS 5725-5:2009 / ISO 5725-5:1996	
Accuracy (trueness and precision) of measurement methods and results precision of a standard measurement method	Part 5: Alternative methods for the determination of the
Ed 1.00 A4 63p EN	Gr 14
PDF 63p EN	03.120.30; 17.020
Provides descriptions of alternatives to the basic method for determining the re measurement method, namely the split-level design and a design for heteroge the results of precision experiments without using outlier tests to exclude data method.	epeatability and reproducibility standard deviations of a standard neous materials. Describes the use of robust methods for analysing from the calculations, and in particular, the detailed use of one such
Cor 1(International), 2009-09-11	
SANS 5725-6:2009 / ISO 5725-6:1994	
Accuracy (trueness and precision) of measurement methods and results	Part 6: Use in practice of accuracy values
Ed 1.00 A4 48p EN	Gr 12
PDF 48p EN	03.120.30; 17.020
Given that the accuracy of a measurement method has been established, this practical situations in such a way as to facilitate commercial transactions and t Cor 1(International), 2009-10-02	document gives information on the application of that knowledge in o monitor and improve the operational performance of laboratories.
SANS 5726:2007 (SABS SM 726)	
Seaming properties of woven textile fabrics	
Ed 3.00 A4 4p EN	Gr 3
PDF ⁴ p EN	59.080.30
Specifies a method for the determination of the seaming properties of woven to	extile fabrics.
SANS 5/30:2009	
(SADS SIVI 730) Antibactorial officercy of calid and comi calid anticontice	
	0-0
PDF 3p FN	
Describes a method to determine the antibasterial officeary of colid and comine	
Describes a method to determine the antibacterial enicacy of solid and semi-so	bid antiseptics.
SANS 5732:2010 (SABS SM 732) Tin content of tin and lead alloys	
Ed 2.00 A4 10p EN	Gr 5
PDF 10p EN	77.120.60
Specifies a method for determining the tin content of tin and lead alloys, where	tin is determined iodimetrically.
SANS 5748:2010 (SABS SM 748) Specific surface of cement	

Describes a method to de Am 1(National), 2010-03

Ed 2.01 A4 7p EN PDF 7p EN

Gr 10 03.120.30; 17.020

SANS 5754:2007 (2013-03-01) (SABS SM 754) Autoclave expansion of cement Ed. 2.00, A4.6p EN	Gr 4
PDF 6p EN	91.100.10
Specifies a method for the autoclave expansion of cement (metric units)	
SANS 5761:2008 (SABS SM 761) Examination for the presence of viable spores of mesophilic Clostridium ord	anisms in foods
Ed 2.00 A4 7p EN	Gr 5
PDF 7p EN	07.100.30
Specifies a method for the determination of the presence of viable spores of meso	philic Clostridium organisms in foods.
SANS 5762:2008 (SABS SM 762)	
Examination for the presence of viable Bacillus anthracis in foods	0.5
PDF 7p EN	Gr 5 07 100 30
Specifies a method for the examination for the presence of viable Bacillus anthrac	is in foods.
SANS 5763:2006	
Efficacy of cleaning plant, equipment and utensils: swab technique	
Ed 2.00 A4 6p EN	Gr 4
PDF 6p EN	67.260
Covers the sampling and testing of plant, equipment, and utensils for efficacy of cl is applicable only to surfaces that have been previously cleaned and disinfected.	eaning and disinfecting, using the swab technique. The method
SANS 5764:2012 / ISO 5764 (IDF 108):2009 Milk - Determination of freezing point - Thermistor cryoscope method (Refere	ence method)
Ed 2.00 A4 24p EN PDF 24p EN	Gr 10
Specifies a reference method for the determination of the freezing point of raw box milk, as well as raw ovine and caprine milk, by using a thermistor cryoscope.	vine milk, heat-treated whole, reduced fat and skimmed bovine
SANS 5766:2005 (2010-09-23)	
(SABS SM 766)	
Measurement of girth and length extended dimensions of pantyhose	C+ 4
PDF 5p EN	61 020
Specifies a method for the measurement of girth and length extended dimensions	of pantyhose.
SANS 5768-2004 (2010-02-19)	
(SABS SM 768)	
Preparation of steel substrates before the application of paints and related p cleaned steel surfaces - Photo-electric reflectance measurement	roducts - Test for the assessment of cleanliness of blast-
Ed 2.00 A4 3p EN PDE 3p EN	Gr 2
Specifies a method for the determination of the cleanliness of blast-cleaned steel	23.220.10, 77.140.01, 67.020
examining the surface by photo-electric reflectance measurement.	surfaces before painting of application of related products, by
SANS 5770:2004 (2010-02-19) (SABS SM 770)	
Preparation of steel substrates before the application of paints and related p cleaned steel surfaces - Freedom from certain soluble salts	roducts - Test for the assessment of cleanliness of blast-
Ed 2.00 A4 4p EN	Gr 2
	25.220.10; 77.140.01; 87.020
Specifies a method for the determination of the cleanliness of blast-cleaned steel s assessing the presence of certain soluble salts.	surfaces before painting or application of related products, by

SANS 5771:2005 (2011-04-14)	
Preparation of steel substrates before the application of paints and related t	products - Test for the assessment of cleanliness of blast-
cleaned steel surfaces - Detection of residual millscale	
Ed 2.00 A4 5p EN	Gr 3
	25.220.10; 77.140.01; 87.020
Specifies a method for the determination of the cleanliness of blast-cleaned steel assessing the presence of residual millscale.	surfaces before painting or application of related products, by
SANS 5772:2004 (2010-02-19) (SABS SM 772)	
Preparation of steel substrates before the application of paints and related p cleaned steel surfaces - Profile of blast-cleaned surfaces determined by a m	products - Surface roughness characteristics of blast- icrometer profile gauge
Ed 2.00 A4 4p EN	Gr 2
PDF 4p EN	25.220.10; 77.140.01; 87.020
Specifies a method for the determination of the surface roughness characteristics related products, with a micrometer profile gauge.	of blast-cleaned steel surfaces before painting or application of
SANS 5775:2004 (2010-02-19) (SABS SM 775)	
Preparation of steel substrates before the application of paints and related p cleaned steel surfaces - Profile of blast-cleaned surfaces determined by met	products - Surface roughness characteristics of blast- tallographic section
Ed 2.00 A4 5p EN	Gr 3
	25.220.10; 77.140.01; 87.020
Specifies a method for the determination of the surface roughness characteristics related products, by measurement of a metallographic section.	of blast-cleaned steel surfaces before painting or application of
SANS 5778:2008	
(SABS SM 778)	
Redeposition index of laundry detergents	Gr 4
PDF 6p EN	71 100 40
Specifies a method for the determination of the redeposition index of laundry dete test cloth before and after washing with the detergent. Am 1(National), 2008-05-23	rgents. The index is calculated from the reflectance values of the
CANC 5770-0000	
SANS 5779:2006 (SABS SM 779)	
Fluorescent whitening agent content of laundry detergents	
Ed 3.01 A4 4p EN	Gr 3
PDF 4p EN	71.100.40
Specifies a method for the determination of the fluorescent whitening agent conte Am 1(National), 2008-05-30	nt of laundry detergents.
SANS 5780:2008	
(SABS SM 780)	
Chemical damage to cotton fibres by laundry detergents	
Ed 3.00 A4 3p EN	Gr 3
Specifies a method for the determination of the chemical damage to cotton fibres	71.100.40 by laundry detergents
SANS 5781:2006 (2011-08-26)	
(SABS SM 781) Water issoluble matter content of laundry detergents	
Fd 3.00 A4 4p EN	Gr 3
PDF 4p EN	71.100.40
Specifies a method for the determination of the water-insoluble matter content of	laundry detergents.
SANS 5788:2008 (2012-08-31) (SABS SM 788)	
Diameter of circular crockery	
Ed 2.00 A4 2p EN	Gr 2
PDF 2p EN	81.060.20; 97.040.60
Specifies a method for the determination of the diameter of circular crockery.	

SANS 57 (SABS SI	89:2008 (2012-08-31) M 789)	
Capacity	of cups	
Ed 2.00	A4 2p EN PDF 2p EN	Gr 2 81.060.20; 97.040.60
Specifies	a method for the determination of the capacity of cups.	
SANS 57 (SABS SI	90:2008 (2012-08-31) M 790)	
Impact s	trength of cups, saucers, and plates	
Ed 2.00	A4 6p EN	Gr 4
Specifies	PDF 6p EN	81.060.20; 97.040.60
CANC 57		
(SABS SI	M 791)	
Resistan	ce of saucers and plates to chipping	
Ed 2.00	A4 3p EN	Gr 3
	PDF 3p EN	81.060.20; 97.040.60
Specifies	a method for the determination of the resistance of saucers and plates to	chipping.
SANS 57 (SABS SI	92:2008 (2012-08-31) M 792)	
Resistan	ce of crockery to crazing	
Ed 2.00	A4 3p EN	Gr 3
Specifies	a method for the determination of the resistance of crockery to crazing	81.060.20; 97.040.60
SANS 57 (SABS SI	93:2008 (2012-08-31) M 793)	
Resistan	ce of crockery to thermal shock	
Ed 2.00	A4 2p EN PDF 2p EN	Gr 2 81.060.20; 97.040.60
Specifies	a method for the determination of the resistance of crockery to thermal sl	hock.
SANS 57 (SABS SI	94:2008 (2012-08-31) M 794)	
EU 2.00	PDF 3p EN	GI 3 81 060 20: 07 040 60
Specifies	a method for the determination of the water absorption of crockery.	01.000.20, 97.040.00
SANS 57 (SABS SI	96:2008 (2012-08-31) M 796)	
Resistan	ce of crockery decoration to detergents and alkalis	
Ed 2.00	A4 3p EN	Gr 3
	PDF 3p EN	81.060.20; 97.040.60
Specifies	a method for the determination of the resistance of crockery decoration to	o detergents and alkalis.
SANS 57 (SABS SI	97:2008 (2012-08-31) M 797)	
Metal rel	ease from glazed crockery (plain or decorated), and acid resistance of	of decoration
Ed 3.00	A4 4p EN PDF 4p EN	Gr 3 81.060.20; 97.040.60
Specifies	a method for the determination of the metal release from glazed crockery	(plain or decorated), and acid resistance of decoration.
SANS 58	06:2006 (2011-08-26) M 806)	
Foam bo	ight of laundry detergents	
Ed 3.00	A4 3n FN	Gr 3
0.00	PDF 3p EN	71.100.40

Specifies a method for the determination of the foam height of laundry detergents.

SANS 5807:2012 (SABS SM 807)	
Rooms, conditions, equipment, and insects and their handling, for use in pes	sticide testing
Ed 2.00 A4 22p EN	Gr 8
PDF 22p EN	07.080; 65.100.01
Specifies the test rooms, test conditions, test equipment, test insects and their han	dling, for use in pesticide testing.
SANS 5808:2003 (SABS SM 808)	
Pesticides - General conditions and equipment for the rearing and handling of	of test insects
Ed 1.01 A4 10p EN	Gr 6
PDF 10p EN	07.080; 65.100.01
Specifies general conditions and equipment for the rearing and handling of test ins Am 1(National), 2003-08-01	ects that are used in the biological evaluation of pesticides.
SANS 5809:2008	
Pesticides - Bearing and handling of the tohacco beatle (I asigderma serricor	me Fahr)
Ed 2 00 A4 3n EN	Gr 3
PDF 3p EN	07.080: 65.100.10
Specifies a method for the rearing and handling of the tobacco beetle (Lasioderma	serricorne Fabr)
SANS 5811:2009 (SABS SM 811)	
Pesticides - Rearing and handling of the lesser grain borer (Rhizopertha dom	inica F.)
Ed 2.00 A4 4p EN	Gr 3
PDF 4p EN	07.080; 65.100.10
Specifies a method for the rearing and handling of the lesser grain borer (Rhizoper	tha dominica F.).
SANS 5812:2008 (SABS SM 812)	
Pesticides - Rearing and handling of the Pharaoh's ant (Monomorium pharao	nis (L.))
Ed 2.00 A4 3p EN	Gr 3
PDF 3p EN	07.080; 65.100.10
Specifies a method for the rearing and handling of the Pharaoh's ant (Monomorium	n pharaonis (L.)).
SANS 5815:2009	
(SABS SM 815)	
Pesticides - Rearing and handling of the silver fish (Lepisma saccharina L.)	
Ed 2.00 A4 4p EN PDF 4p FN	Gr 3
Specifies a method for the rearing and handling of the silver fish (Lepisma sacchar	ina L.).
	- ,
SANS 5817:2004 (2009-03-27) (SABS SM 817)	
Timber-based board products - Squareness	
Ed 2.01 A4 4p EN	Gr 2
PDF 4p EN	79.060.20
Specifies a method for the determination of the squareness of timber-based board Am 1(National), 2004-12-03 $$	products.
SANS 5819:2009 (SABS SM 819)	
Pesticides - Rearing and handling of the dried-fruit moth (Ephestia cautella W	/alker)
Ed 2.00 A4 4p EN	Gr 3
PDF ['] 4p EN	07.080; 65.100.10
Specifies a method for the rearing and handling of the dried-fruit moth (Ephestia ca	autella Walker).

SANS 5821:1979 / ISO 5821:1979 (2007-05-18) (SABS ISO 5821) Resistance spot welding electrode cape	
PDF 6p EN	25.160.20
Lays down the dimensions and tolerances of resistance spot welding electrode ca adaptor. Am 1(National), 2007-05-18	ps, where a female taper is used to fix the cap to an electrode
SANS 5822:1988 / ISO 5822:1988 (2010-06-04)	
(SABS ISO 5822)	
Spot weiging equipment - Taper plug gauges and taper ring gauges	07
PDF 9p EN	GF / 25 160 20
Specifies requirements for taper plug and ring gauges used for the checking of typ	be A, B and C tapers according to ISO 1089.
SANS 5823:2012	
(SABS SM 823)	
Pesticides: Biological evaluation of the efficacy of insecticides used on com	post for house-fly control
Ed 2.00 A4 8p EN	Gr 5
PDF 8p EN	65.100.10
Specifies a method for the biological evaluation of the efficacy of insecticides used	d on compost for house-fly control.
SANS 5826:2004 / ISO 5826:1999 (2010-06-04) (SABS ISO 5826)	
Resistance welding equipment - Transformers - General specifications appli	cable to all transformers
Ed 2.00 A4 27p EN PDF 27p EN	Gr 10
Gives specifications applicable to transformers for resistance welding equipment v	vithout connected rectifier.
SANS 5827:1983 / ISO 5827:1983 (2010-06-04) (SABS ISO 5827)	
Spot welding - Electrode back-ups and clamps	
Ed 1.00 A4 11p EN	Gr 8
PDF 11p EN	25.160.20
Lays down the dimensions and specifies characteristics of spot welding electrode	back-ups and clamps.
SANS 5828:2004 / ISO 5828:2001 (2010-06-04) (SABS ISO 5828)	
Resistance welding equipment - Secondary connecting cables with terminal characteristics	s connected to water-cooled lugs - Dimensions and
Ed 2.00 A4 9p EN	Gr 6
PDF 9p EN	25.160.30
Specifies the dimensions and characteristics of secondary connecting cables whic water-cooled lugs.	ch are air-cooled over their length and with terminals connected to
SANS 5829:1984 / ISO 5829:1984 (2012-11-02) (SABS ISO 5829)	
Resistance spot welding - Electrode adaptors, female taper 1:10	
Ed 1.00 A4 5p EN	Gr 4
PDF 5p EN	25.160.20
Specifies the dimensions and tolerances of resistance spot welding electrode ada Am 1(National), 2007-07-06	ptors where the fixing element for the cap is a female taper.
SANS 5830:1984 / ISO 5830:1984 (2010-06-04) (SABS ISO 5830)	
Resistance spot welding - Male electrode caps	
Ed 1.00 A4 7p EN	Gr 7
PDF ['] 7p EN	25.160.20
Specifies the dimensions and tolerances for male electrode caps for resistance sp adaptor.	oot welding when a female taper is used to fix the electrode

SANS 58 (SABS S Presenc	331:2006 (2012-06-29) M 831) e of chlorides in aggregates	
Ed 2.00	A4 4p EN PDF 4p EN	Gr 3 91.100.15
Specifies	a method for determining the presence of chloride in aggregates.	
SANS 58 (SABS S Organic	332:2006 (2012-06-29) M 832) impurities in fine aggregates (limit test)	
Ed 2.00	A4 3p EN PDF 3p EN	Gr 3 91 100 15
Specifies	a method for the determination of the organic impurities in fine aggreg	ates (limit test).
SANS 58	333:2006 (2012-06-29) M 833)	
Detectio	n of sugar in fine aggregates	
Ed 2.01	A4 3p EN PDE 3p EN	Gr 3
Specifies	a rapid means of detecting (gualitatively) all types of sugar contained i	91.100.15 n fine aggregates
Am 1(Na	tional), 2006-09-15	
SANS 58 (SABS S	334:2006 (2012-03-09) M 834)	
Soluble	deleterious impurities in fine aggregates (limit test)	
Ed 2.01	A4 5p EN PDF 5p EN	Gr 4 91,100,15
Specifies Am 1(Na	a method for measuring the effect of soluble deleterious material in fin tional), 2006-08-25	e aggregates (limit test).
SANS 58 (SABS S	335:2006 (2012-03-09) M 835)	
Estimati Ed 2.01	on of the effect of fine aggregate on the water requirement of conc	Gr 3
Lu 2.01	PDF 4p EN	91.100.15
Specifies Am 1(Na	a theoretical and a physical procedure for estimating the water deman tional), 2006-11-17	d of fine aggregate.
SANS 58 (SABS S	336:2007 (2013-03-15) M 836)	
Effect of	fine and coarse aggregate on the shrinkage and expansion of cen	nent: aggregate mixes (mortar prism method)
EU 2.02	PDF 7p EN	91.100.15
Specifies known ai Am 1(Na	a method for determining the intrinsic shrinkage (or expansion) of an a ad acceptable shrinkage and expansion properties under similar test co tional), 2002-03-08 Am 2(National), 2007-02-09	aggregate by comparison with the behaviour of an aggregate with nditions.
SANS 58 (SABS S	337:2008 M 837)	
Low der	sity materials content of aggregates	
Ed 2.02	A4 4p EN PDF 4p EN	Gr 3 91,100,15
Specifies lignite) co	a method for determining the percentage, by mass, of low density mat ontained in aggregates.	erials (materials of density less than 2 000 kg/m3, e.g. coal and
Am 1(Na	tional), 2002-05-08 Am 2(National), 2008-07-11	
SANS 58 (SABS S	338:2006 M 838)	
Sand eq	uivalent value of fine aggregates	
Ed 2.00	A4 9p EN PDE 9p EN	Gr 5
		91.100.15

Describes a method to determine the sand equivalent value of fine aggregates.

SANS 5839:2008 (SABS SM 839) Soundness of aggregates (magnesium sulfate method)	
Ed 2.02 A4 8p EN	Gr 5
Specifies a method for determining the soundness of aggregates. The results obtain properties of an aggregate intended to be used under specific weathering condition Am 1(National), 2002-03-08 Am 2(National), 2008-07-18	91.100.15 ined provide useful information for assessing the weathering is.
SANS 5840:2008 (SABS SM 840)	
Ed 2.02 A4 4p EN PDF 4p EN	Gr 3 91.100.15
Specifies two methods primarily intended for determining the shell content of sea s Am 1(National), 2002-03-25 Am 2(National), 2008-08-01	and.
SANS 5841:2008 (SABS SM 841)	
Aggregate crushing value of coarse aggregates	Cr. 5
PDF 7p EN	91.100.15
Specifies a method for determining the aggregate crushing value (ACV) of an aggregate and determining the percentage of the material crushed fin Am 1(National), 2008-10-24	egate by crushing a prepared confined sample under a specific, er than a specified size in a dry or wet condition.
SANS 5842:2006 (2012-03-09) (SABS SM 842) FACT value (10% fines aggregate crushing value) of coarse aggregates	
Ed 2.01 A4 3p EN	Gr 3
PDF 3p EN	91.100.15
Specifies a method for determining the 10 % fines aggregate crushing value (FACT sample, by measuring the force required to crush the sample, to the extent that 10 ^o aperture size.	Γ value) in a dry or wet condition of a prepared aggregate % of the material will, after crushing, pass a sieve of specified
An ((Mational), 2000-03-22	
(SABS 5844:2006 (SABS SM 844) Particle and relative densities of aggregates	
Ed 2.01 A4 6p EN	Gr 4
PDF OP EN	91.100.15
Am 1(National), 2006-10-13	jales.
SANS 5845:2006 (2012-03-09) (SABS SM 845) Rulk densities and voids content of approactes	
Ed 2.01 A4 5p EN	Gr 4
PDF 5p EN	91.100.15
Specifies a method for determining the compacted and uncompacted bulk densitie calculated from the mass of the aggregate that fills a measure of known volume. Am 1(National), 2006-09-22	s and the voids content of an aggregate, the values being
SANS 5846:2006 (2012-03-09) (SABS SM 846)	
Abrasion resistance of coarse aggregates (Los Angeles machine method)	
Ed 2.00 A4 3p EN PDF 3p EN	Gr 3
Describes a method to determine the abrasion resistance of coarse aggregates.	31.100.15
SANS 5847:2008 (SABS SM 847)	
Flakiness index of coarse aggregates	
Ed 2.02 A4 6p EN PDF 6p EN	Gr 4 91.100.15
Specifies a method for determining flakiness index of course aggregate.Am 1(National), 2002-03-25Am 2(National), 2008-08-01	

SANS 5848:2008 (SABS SM 848) Polished-stone value of aggregates	
Ed 2.02 A4 10p EN	Gr 5
PDF 10p EN	91.100.15
Specifies a method for determining the p Am 1(National), 2002-04-26	oolished-stone value (PSV) of aggregates intended to be used as roadstone. Am 2(National), 2008-07-11
SANS 5849:2008 (SABS SM 849) Total water-soluble salts content of fi	nes in aggregates
Ed 2.02 A4 6p EN PDF 6p EN	Gr 4 91.100.15
Specifies a method for determining the t Am 1(National), 2002-05-08	otal water-soluble salts content of fine aggregates and of fines in aggregates for base-courses. Am 2(National), 2008-07-18
SANS 5850-1:1998 (2000-06-13) (SABS SM 850-1)	
Sulfates content of fines in aggregate	s Part 1: Water-soluble sulfates in fines in aggregates
Ed 2.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 91.100.15
Specifies a method for determining the v	vater-soluble sulfates content (expressed as SO3) of fines in aggregates.
SANS 5850-2:2008 (SABS SM 850-2) Sulfates content of fines in aggregate	s Part 2: Acid-soluble sulfates in fines in aggregates
Ed 1.03 A4 6p EN	Gr 4
PDF 6p EN	91.100.15
Am 1(National), 1998-05-18	Am 2(National), 2002-06-21 Am 3(National), 2008-08-01
SANS 5851:2002 (SABS SM 851)	
Ed 1.01 A4 6p EN	Dase-courses
PDF 6p EN	91.100.15
Specifies a method for the determination Am 1(National), 2002-04-26	of the liquid limit of fines in aggregates for base-courses.
SANS 5854:2006 (SABS SM 854)	
pH Value of fines in aggregates for ba	ise-courses
Ed 2.00 A4 5p EN PDF 5p EN	Gr 4
Desribes a method to determine the pH	value of fines in aggregates for base-courses.
SANS 5855:2013 (SABS SM 855)	
Free water content of aggregates	
Ed 2.01 A4 5p EN	Gr 4
PDF 5p EN	91.100.15
Am 1(National), 2013-03-01	e water content of aggregates.
SANS 5856:2006 (2012-03-09) (SABS SM 856)	
Bulking of fine aggregates	
PDF 3p EN	Gr 3 91.100.15
Specifies a method for the determination	of the bulking of fine aggregates.

SANS 5858:2007 (SABS SM 858)	
Pesticides - Biological evaluation of mosquito larvicides in artificially created	I mosquito breeding places
Ed 2.00 A4 7p EN PDF 7p EN	Gr 5 65.100.10
Specifies a method for the biological evaluation of mosquito larvicides in artificially	created mosquito breeding places.
SANS 5859:2003 (2008-11-07) (SABS SM 859)	
Pesticides - Biological efficacy of soil insecticides	
Ed 3.00 A4 6p EN PDF 6p EN	Gr 3 65.100.10
Describes a method for determining the biological efficacy of soil insecticides.	
SANS 5860:2006 (2012-03-09) (SABS SM 860)	
Concrete tests - Dimensions, tolerances and uses of cast test specimens	
Ed 1.01 A4 4p EN PDF 4p EN	Gr 3 91,100,30
Specifies a method of ensuring that the nominal dimensions and shape of cast correctangular prisms of square cross-section are suitable for their intended use. Am 1(National), 2006-10-20	ncrete test specimens in the form of cubes, cylinders, or
SANS 5861-1:2006 (2012-03-23) (SABS SM 861-1)	
Concrete tests - Mixing fresh concrete in the laboratory	
Ed 2.01 A4 3p EN	Gr 3
PDF 3p EN	91.100.30
Describes basic methods of batching prepared materials and mixing fresh concrete materials and of test conditions is possible. Am 1(National), 2006-09-22	e in the laboratory where accurate control of the quantities of
SANS 5861-2:2006 (2012-03-23) (SABS SM 861-2)	
Concrete tests - Sampling of freshly mixed concrete	
Ed 2.01 A4 4p EN PDF 4p EN	Gr 3 91.100.30
Covers procedures for obtaining samples of freshly mixed concrete that have been mixed in a laboratory, and on which tests to determine compliance with the require Am 1(National), 2006-09-22	delivered in measured or measurable quantities to a site or ments of the relevant standard(s) are to be performed.
SANS 5861-3:2006 (2012-03-23) (SABS SM 861-3)	
Concrete tests - Making and curing of test specimens	
Ed 2.01 A4 4p EN PDF 4p EN	Gr 3 91.100.30
Applies to the making and curing of test specimens in the form of cubes, cylinders, mixed concrete supplied in measured or measurable quantities. Am 1(National), 2006-09-22	, or rectangular prisms with a square cross-section from freshly
SANS 5862-1:2006 (2012-06-29) (SABS SM 862-1)	
Concrete tests - Consistence of freshly mixed concrete - Slump test	
Ed 2.01 A4 6p EN	Gr 4
PDF 6p EN	91.100.30
Specifies a method of determining the slump of freshly mixed concrete, mixed both Am 1(National), 2006-10-06	n in the laboratory and on site.
SANS 5862-2:2006 (2012-06-29) (SABS SM 862-2)	
Concrete tests - Consistence of freshly mixed concrete - Flow test	
Ed 2.01 A4 6p EN PDF 6p EN	Gr 4 91.100.30
Specifies a method of determining the flow of freshly mixed concrete, mixed either Am 1(National), 2006-10-06	in the laboratory or on site.

SANS 5862-3:: (SABS SM 862	2006 (2012-06-29) 2-3)	
Concrete tests	s - Consistence of freshly mixed concrete - Vebe	e test
Ed 2.01 A4 5 PDF	o EN 5p EN	Gr 4 91.100.30
Specifies a me The Vebe test Am 1(National	thod of measuring the consistence of freshly mixed measures the time, in seconds, for concrete in the), 2006-10-06	I concrete by means of the Vebe test for concrete of very low to low workability. shape of a frustum of a cone to settle in a container by standard vibration.
SANS 5862-4:	2006 (2012-03-30)	
(SABS SIM 862	-4) - Consistence of freshly mixed concrete - Com	inacting factor and compaction index
		Gr 5
PDF	7p EN	91.100.30
Specifies two n compacting fac Am 1(National	nethods of evaluating the consistence of freshly mix tor and the compaction index.), 2006-10-06	xed concrete by determining the degree of compactibility by measuring the
SANS 5863:20 (SABS SM 863	06 (2012-04-26)	
Concrete tests	s - Compressive strength of hardened concrete	
Ed 2.01 A4 7	o EN	Gr 5
PDF	7p EN	91.100.30
Specifies a me Am 1(National	thod of determining the compressive strength of tes), 2006-09-22	st specimens of hardened concrete.
SANS 5864:20 (SABS SM 864	06 (2012-04-26)	
		Gr 4
PDF	6p EN	91.100.30
Specifies two n moment along Am 1(National	nethods of determining the flexural strength of hard the central part of the test specimen, and the centr), 2006-10-06	lened concrete: the two-point loading method that produces a constant bending e-point loading method.
SANS 5865:19	94 (2000-06-13)	
Concrete tests	s - The drilling, preparation, and testing for com	pressive strength of cores taken from hardened concrete
Ed 2.00 A4 1 PDF	1p EN Loose-leaf 11p EN	Gr 6
Describes a me	ethod of taking cores from hardened concrete, prep	aring them for testing and determining their compressive strengths.
SANS 5867-20	08	
(SABS SM 867))	
Preparation of	f samples of vulcanized rubbers for testing	
Ed 2.00 A4 3	o EN	Gr 3
PDF	3p EN	83.060
Specifies the p	rocedure for the preparation of samples of vulcaniz	ed rubbers for testing
SANS 5868:20 (SABS SM 868	08 3)	
Conditioning	of vulcanized rubbers	
Ed 2.00 A4 4 PDF	o EN 4p EN	Gr 3 83.060
Specifies the p	rocedure for conditioning of vulcanized rubbers	
SANS 5869:20	08	
(SABS SM 869	ning of vuloanized without (Air over method)	
	Sing of valcanized tubbers (Alf-oven method)	Gr 3
PDF	4p EN	83.060
Specifies the p	rocedure for testing the accelerated aging of vulcar	nized rubbers (Air-oven method).

SANS 5870:2008 (SABS SM 870) Hardness of vulcanized rubbers of hardness 30-95 IRH degrees	
Ed 2.00 A4 6p EN PDF 6p EN	Gr 4 83.060
Specifies the procedure for testing the hardness of vulcanized rubbers of hardness	30-95 IRH degrees.
SANS 5872:2008 (SABS SM 872)	
Compression set of vulcanized rubbers under constant deflection	
Ed 2.00 A4 5p EN	Gr 4
PDF 5p EN	83.060
Specifies the procedure for testing a compression set of vulcanized rubbers under	constant deflection.
SANS 5873:2008 (SABS SM 873)	
Tear strength of vulcanized rubbers	
Ed 2.00 A4 6p EN	Gr 4
PDF 6p EN	83.060
Specifies the procedure for testing the tear strength of vulcanized rubbers.	
SANS 5875:2008	
(SABS SM 875)	
Water absorption of vulcanized rubbers	
Ed 2.00 A4 5p EN PDF 5p EN	Gr 4 82.060
Specifies the procedure for testing the water absorption of vulcanized rubbers.	00.000
SANS 5876:2008	
(SABS SM 876)	
Ozone resistance of vulcanized rubbers (RAPRA-Hampden method)	
Ed 2.00 A4 5p EN	Gr 4
PDF 5p EN	83.060
Specifies the procedure for testing the ozone resistance of vulcanized rubbers (RA	PRA-Hampden method).
SANS 5880:2008	
(SABS SM 880)	
PDF 3p EN	Gr 3 83.060
Specifies the procedure for testing the electrical resistance of vulcanized rubbers	
SANS 5883:2008	
(SABS SM 883)	
Resistance of vulcanized rubbers to swelling (volumetric method)	
Ed 2.00 A4 3p EN PDE 3p EN	Gr 3
Specifies the procedure for tecting the resistance of vulcanized rubbers to swelling	83.060
	(volumetric metrica)
SANS 5884:1977 (1999-02-19) (SABS SM 884)	
Scuff damage by impact on leather	
Ed 1.00 A5 5p EN Loose-leaf PDF 5p EN	Gr 3 59.140.30
Specifies a method for the determination of the scuff damage by impact on leather.	
SANS 5885:1977 (1999-02-19)	
(COO Ivic CONC) Assassment of souff damage to loother (viewing her method)	
Ed 1.00 A5 5p EN Loose-leaf PDF 5p EN	Gr 3
er One differe the existence have an effect the end of the second of the end of the second of the se	

Specifies the viewing box method for the assessment of the scuff damage to leather. Describes procedures for the determination of the scuff score by colour change and of the scuff score by roughening.

SANS 58 (SABS S	86:1979 (2000-06-13) M 886)	
Degree o	of haemolysis in buffered systems	
Ed 1.00	A5 2p EN Loose-leaf PDF 2p EN	Gr 1 11.100
Specifies	a method for the determination of the degree of haemolysis in buffere	d systems.
SANS 58 (SABS S	8 89:2007 M 889)	
Pesticide	es - Biological evaluation of materials containing insecticide(s) ha	aving a fumigant action
Ed 2.00	A4 8p EN PDF 8p EN	Gr 5 65 100 10
Specifies	a method for the biological evaluation of materials containing insectic	ide(s) having fumigant action.
SANS 58 (SABS S	91:2003 (2007-06-29) M 891)	
Pesticide	es - Elammability of aerosols (flame projection test)	
		Gr 3
Lu 2.00	PDF 6p EN	13 220 40: 65 100 01
Describe	s the method to determine the ignition distance of an aerosol spray in	order to assess the associated flame risk.
SANS 58 Rubber a	93:2003 / ISO 5893:2002 (2009-03-27) and plastics test equipment - Tensile, flexural and compression ty	pes (constant rate of traverse) - Specification
Ed 1 00	A4 10n FN	Gr 5
La 1.00	PDF 10p EN	83.200
Specifies although compress	requirements for tensile-testing systems operating at constant rate of any one system may only be applicable to a narrower range of materia sion tests.	traverse and suitable for testing rubbrs, plastics and adhesives, als. It also covers such systems when used for flexural, shear and
SANS 59 (SABS S	08:1979 (2000-11-15) M 908)	
Pyromet	ric cone equivalent (refractoriness) of refractory bricks and mater	ials
Ed 1.00	A5 5p EN Loose-leaf PDE 5p EN	Gr 3
Specifies	a method for the determination of the pyrometric cone equivalent (ref	91.100.15, 91.100.25
SANS 59	10:1979 (2000-11-15)	
(SABS S	M 910)	
Creep of	retractory bricks in compression	
Ed 1.00	PDF 7p EN	Gr 3 91.100.15; 91.100.25
Specifies creep as	a method for the determination of the creep of refractory bricks in con a function of time is evaluated from the percentage change in the heig	npression at high temperature or after heat treatment. The rate of https://www.action.org/actional-actiona
SANS 59 (SABS S	24:2009 M 924)	
Moisture	e content of coal samples intended for general analysis (vacuum-	oven method)
Ed 2.00	A4 4p EN PDF 4p EN	Gr 3 73 040
Specifies	the vacuum-oven method for the determination of the moisture conter	nt of coal samples intended for general analysis.
SANS 59	25:2007 (2012-03-30)	
(SADS S Moisture	N 923)	mothod)
	A4 75 EN	Gr 5
Eu 2.00	PDF 7p EN	73.040
Specifies	a method for the determination of the moisture content of coal sample	es intended for general analysis (air-oven method).
SANS 59	141:2009	
(SABS S	M 941)	
Carbon o	dioxide content of coal (titrimetric method)	
Ed 2.00	A4 6p EN PDF 6p EN	Gr 4 73 040
	•	10.0TU

Specifies a volumetric method for the determination of the carbon dioxide content of coal.

Ed 1.00 A4 13p EN PDF 13p EN	Gr 7 77 040 99		
Specifies the micrographic method for assessing the distribution of carbides in tool a total content of alloy elements less than or equal to 5 %.	and bearing steels, with C levels between 0,1 % and 1,5 % and		
SANS 5956:2007			
(SABS SM 956)			
Acid gas evolved during combustion of cable materials			
Ed 3.00 A4 8p EN PDF 8p EN	Gr 5 29.060.20		
Specifies two methods for determining the amount of hydrogen chloride gas evolve	d during the combustion of cable materials.		
SANS 5957:2012 (SABS SM 957)			
Pesticides - Organoleptic evaluation of the taste of pesticide-treated grain			
Ed 2.00 A4 9p EN	Gr 5		
PDF 9p EN	65.100.01; 67.060		
Developed to determine repugnant odours and tastes caused by grain protectants be registered under the relevant national legislation.	at permissible residue tolerances, before grain protectants can		
SANS 5962:1982 (1999-02-19) (SABS SM 962)			
Determination of wet split tear strength of inner sole and runner materials (of	her than leather)		
Ed 1.00 A5 1p EN Loose-leaf PDF 1p EN	Gr 1 19.060; 61.060		
Specifies a method for the determination of the wet split tear strength of inner sole	and runner materials (other than leather).		
SANS 5963:2006 / ISO 5963:1985 (2012-03-16)			
Documentation - Methods for examining documents, determining their subject	cts, and selecting indexing terms		
Ed 1.00 A4 10p EN	Gr 6		
PDF 10p EN	01.140.20		
Describes recommended procedures for examining documents, determining their s these preliminary stages of indexing, and does not deal with the practices of any pa post-coordinated. Also describes general techniques for document analysis which	subjects, and selecting appropriate indexing terms. Restricted to articular kind of indexing system, whether pre-coordinated or should apply in all indexing situations.		
SANS 5964:2005 / ISO 5964:1985 (2010-11-05)			
Documentation - Guidelines for the establishment and development of multili	ingual thesauri		
Ed 1.00 A4 66p EN	Gr 14		
PDF 00P EN	01.140.20		
Provides guidelines that are restricted in scope to the problems of multilingualism which can arise during the construction of a "conventional" thesaurus, i.e. a thesaurus displaying terms selected from more than one natural language, these terms then constituting the vocabulary of a controlled indexing language.			
SANS 5965:2006 (2011-09-16) (SABS SM 965)			
Non-fibrous material content of textiles (alkali hydrolysis method)			
Ed 2.00 A4 5p EN	Gr 4		
PDF 5p EN	59.080.30; 71.040.40		
Specifies the alkali hydrolysis method for the determination of the non-fibrous mat cellulosic fibre and cellulosic-and-synthetic fibre blends.	erial content of textiles. The method is primarily intended for		
SANS 5966:2007 (SABS SM 966)			
Removable non-fibrous material content of textiles (scouring method)			
Ed 3.01 A4 4p EN	Gr 3		
PDF ['] 4p EN	59.080.30; 71.040.40		
Specifies the scouring method for the determination of the removable non-fibrous r	naterial content of textiles		

Specifies the scouring method for the determination of the removable non-fibrous material content of textiles. Am 1(National), 2007-10-19

Standards South Africa Catalogue 2013

NUMERICAL LIST OF STANDARDS

Gr 7

67.100.30

Cheese and processed cheese products - Determination of chloride content - Potentiometric titration method

Ed 2.00 A4 12p EN PDF 12p EN

SANS 5943:2012 / ISO 5943:2006

Specifies a potentiometric titration method for the determination of the chloride content of cheese and processed cheese products. Applies to all cheeses and processed cheese products containing more than 0,2% (mass fraction) of chloride ion.

SANS 5949:2005 / ISO 5949:1983 (2010-04-30)

Tool steels and bearing steels - Micrographic method for assessing the distribution of carbides using reference photomicrographs

SANS 59 (SABS S	67:2011 M 967)				
Retentio	n of preservative in timber (volume method)				
Ed 2.02	A4 4p EN PDF 4p EN	Gr 3 71.100.50; 79.040			
Specifies Am 1(Na	a method of determining the retention of preservative in timber by using the tional), 2008-03-14 Am 2(National), 2011-09-30	ne volume method.			
SANS 59 (SABS S	SANS 5969:2004 (2009-03-27) (SABS SM 969)				
Flatness	of wooden board products				
Ed 1.01	A4 3p EN PDF 3p EN	Gr 2 79.060.01			
Specifies Am 1(Na	a method for the determination of the flatness of wooden board products. tional), 2004-12-03				
SANS 59 (SABS S	70:2004 (2009-03-27) M 970)				
Edge str	aightness of wooden board products				
Ed 1.01	A4 3p EN PDF 3p EN	Gr 2 79.060.01			
Specifies Am 1(Na	a method for the determination of the edge straightness of wooden board tional), 2004-12-03	products.			
SANS 59 (SABS S Average	73:2009 M 973) adhesive bond quality of plywood and composite boards (knife test)				
Ed 1.01	A4 16p EN PDF 16p EN	Gr 6 79.060.10; 83.180			
Covers the Am 1(Nat	ne knife test for determining bond quality between the piles of plywood, and tional), 2009-02-13	d veneered composite board products.			
SANS 59 (SABS S	76:2005 (2011-01-28) M 976)				
Heat-cod	I stability of wax polishes				
Ed 2.00	A4 2p EN PDF 2p EN	Gr 2			
Specifies	a method for the determination of the heat-cool stability of wax polishes.	75.140			
SANS 59	77:2008 (2012-11-30)				
(SABS S	M 977)				
	Ion of wax (paste) polishes	Ca 0			
Ed 2.00	PDF 3p EN	75.140			
Specifies	a method for the determination of the depth of penetration of penetrometer	er cones in wax (paste) polishes.			
SANS 59 (SABS S	78:2008 M 978)				
Performa	ance of wax polishes				
Ed 2.00	A4 3p EN PDF 3p EN	Gr 3 75.140			
Specifies	a method for the determination of the performance of wax polishes.				
SANS 59 (SABS S	80:2007 (2012-12-07) M 980)				
Softenin	g point of the non-volatile matter of wax polishes				
Ed 2.00	A4 5p EN PDF 5p EN	Gr 4 75.140			
Specifies	a method for the determination of the softening point of the non-volatile m	atter of wax polishes.			

SANS 598 (SABS SM Wax polis	81:2008 // 981) shes - Non-volatile matter content and the ash content of non-volatile	e matter
Ed 3.00	A4 3p EN PDF 3p EN	Gr 3 75.140
Specifies	a method for the determination of the non-volatile matter content and the	ash content of the non-volatile matter of wax polishes.
SANS 598 (SABS SM	32:2006 (2011-08-15) <i>M</i> 982)	
Water co	ntent of solvent-based wax polishes	
Ed 2.00	A4 4p EN	Gr 3
Specifies	PDF 4p EN	75.140 polishes
SANS 508	23-2008	
(SABS SN	A 983)	
Preparati	on of test specimens for moisture content determination in timber a	nd timber products
Ed 3.00		Gr 3
Specifies	a method for the preparation of test specimens for moisture content deter	79.040 mination in timber and timber products.
	24.2004 (2000 02 27)	
(SABS SN	A 984)	
Moisture	content of timber and timber products (oven dry method)	
Ed 2.01	A4 3p EN PDE 3p EN	Gr 2
0	the second second for the determined on a filler so is the second second of the second s	79.040
Am 1(Nat	ional), 2004-07-16	er and timber products.
SANS 598	35:2004 (2009-03-27)	
(SABS SN	/ 985)	
Moisture	content of timber (extraction method)	
Ed 1.01	A4 4p EN PDE 4o EN	Gr 2
Coolifico	the outraction method for the determination of the mainture content of time	79.040
Am 1(Nat	ional), 2004-08-06	Der.
SANS 598	36:2004 (2009-03-27)	
(SABS SN	/ 986) 	
	A 4 20 EN	Cr. 1
E0 1.01	PDF 2p EN	79 040
Specifies	the method for the determination of the moisture content of timber by usir	na an electric moisture meter
Am 1(Nat	ional), 2004-06-24	
SANS 598	37:2007 (2012-05-25) / 987)	
Depth of	penetration of preservative and detection and depth of sapwood in t	imber
Ed 2.01	A4 6p EN	Gr 4
	PDF 6p EN	71.100.50; 79.040
Specifies round, sav Am 1(Nat	a method for determining the depth of penetration of preservative and for wn, laminated and other timber. ional), 2007-06-08	detecting sapwood and determining the depth of sapwood in
SANS 598	38:2004 (2009-08-28)	
(SABS SM	Л 988)	
Retention	n of preservative in timber (sample method)	
Ed 1.01	A4 2p EN PDF 2p EN	Gr 1 71 100 50: 79 040
Specifies Am 1(Nat	the sample method for the determination of the retention of preservative i ional), 2004-06-24	n timber.

SANS 5989:2004 (2009-08-28) (SABS SM 989)	
Retention of preservative in timber (weighbridge method)	
Ed 1.01 A4 2p EN PDF 2p EN	Gr 1 71,100.50: 79.040
Specifies the weighbridge method for the determination of the retention of preserv Am 1(National), 2004-09-23	ative in timber.
SANS 5990:2004 (2009-08-28) (SABS SM 990)	
Water repellency (short-term) of preservative-treated timber	Gr 1
PDF 2p EN	71.100.50; 79.040
Specifies a method for the determination of the short-term water repellency of liqu containing water repellents. Am 1(National), 2004-06-24	id water of timber treated with class W or class O preservatives
SANS 5991:2004 (2009-08-28) (SABS SM 991)	
Guidelines for the spray-testing of timber specimens	
Ed 1.01 A4 2p EN PDF 2p EN	Gr 1 71.100.50; 79.040
Specifies guidelines for the spray-testing of timber specimens during determinatio Am 1(National), 2004-08-06	n of penetration depth of wood preservatives.
SANS 5992:2004 (2009-08-28)	
Copper detection in timber	
Ed 1.01 A4 2p EN	Gr 1
PDF 2p EN	71.100.50; 79.040
Specifies a method for the determination of the presence of copper-containing pre Am 1(National), 2004-06-24	servatives in treated timber.
SANS 5993:2004 (2011-02-04) (SABS SM 993)	
Chromium detection in timber	
Ed 1.01 A4 2p EN PDF 2p EN	Gr 1 71 100 50: 79 040
Specifies a method for the determination of the presence of chromium-containing	preservatives (copper-chromium-arsenic compounds) in freshly
treated timber. Am 1(National), 2004-08-06	
SANS 5994:2004 (2009-08-28) (SABS SM 994)	
Arsenic detection in timber	
Ed 1.01 A4 2p EN	Gr 1
	71.100.50; 79.040
Specifies a method for the determination of the presence of arsenic-containing pre timber.	servatives (copper-chromium-arsenic compounds) in treated
Am 1(National), 2004-06-24	
SANS 5996:2004 (2009-08-28) (SABS SM 996)	
Findetection in timber	Gr 1
PDF 1p EN	71.100.50; 79.040
Specifies the materials to be used and procedure to be followed in testing for the p treated timber. Am 1(National). 2004-06-24	presence of tin-containing preservative (tributyltin oxide) in

SANS 5997:2004 (2009-08-28) (SABS SM 997)

Zinc detection in timber Ed 1.01 A4 2p EN Gr 1 PDF 2p EN 71.100.50; 79.040 Specifies the materials to be used and procedure to be followed in testing for the presence of zinc-containing preservative (zinc naphtenate) in treated timber. Am 1(National), 2004-07-16 SANS 5999:2004 (2009-08-28) (SABS SM 999) Heartwood detection in timber of the Pinus species Ed 1.01 A4 2p EN Gr 1 PDF²p EN 79.040 Specifies a method for heartwood detection in timber of the Pinus species. Am 1(National), 2004-08-06 SANS 6000:2004 (2009-08-28) (SABS SM 1000) Heartwood detection in timber of the Eucalyptus species Ed 1.01 A4 2p EN Gr 1 PDF 2p EN 71.100.50; 79.040 Specifies a method for heartwood detection in timber of the Eucalyptus species. Am 1(National), 2004-07-16 SANS 6001:2004 (2009-11-27) (SABS SM 1001) Colour fastness of textile curtaining to water-wicking Ed 2.00 A4 5p EN Gr 4 PDF 5p EN 17.180.20; 59.080.30 Specifies a method for the determination of the colour fastness of textile curtaining to water-wicking. SANS 6002:2004 (2009-11-27) (SABS SM 1002) Colour fastness of textile floor coverings to shampooing Ed 2.00 A4 7p EN Gr 5 PDF 7p EN 17.180.20; 59.080.60 Specifies a method for the determination of the colour fastness of textile floor coverings, yarn, loose fibre or tufts extracted from textile floor coverings to shampooing SANS 6004:2005 (2011-12-15) (SABS SM 1004) Mass of total pile yarn per unit area of tufted textile floor coverings Ed 2.00 A4 3p EN Gr 3 PDF 3p EN 17.060: 59.080.60 Specifies a method for the determination of the mass of total pile yarn per unit area of tufted textile floor coverings. SANS 6005:2005 (SABS SM 1005) Mass per unit area of effective pile above the substrate of textile floor coverings Ed 2.00 A4 3p EN Gr 3 PDF 3p EN 17.060; 59.080.60 Specifies a method for the determination of the mass per unit area of effective pile above the substrate of textile floor coverings. SANS 6007:2006 (2012-03-30) (SABS SM 1007) Balance of twist of textile threads Ed 2.00 A4 3p EN Gr 3 PDF 3p EN 59.080.20

Specifies a method for the determination of the balance of twist of textile threads.
SANS 6008:2005 (2012-04-05)	
Assessment of the tendency of apparel fabrics to snag (mace tester method)	
Ed 3.00 A4 4p EN	Gr 3
PDF 4p EN	19.060; 59.080.30
Specifies a method for the assessment, by using the mace tester, of the tendency	of apparel fabrics to snag.
SANS 6009:2005 (2010-10-01) (SABS SM 1009)	
Abrasion resistance of textile fabrics (Martindale test)	
Ed 3.00 A4 7p EN	Gr 5
Specifies a method for the determination of the abrasion resistance of textile fabric abrasion machine is given in an annex. This method is not recommended for the te	rs.using the Martindale test. Advice on the use of the Martindale
SANS 6011:2009	
(SABS SM 1011)	
Cutting and marking of test specimens of particle boards	
Ed 1.02 A4 9p EN PDF 9p EN	Gr 5 79.060.20
Covers the position, cutting, and marking of test specimens in a sample board. Am 1(National), 1992-02-01 Am 2(National), 2009-08-28	75.000.20
SANS 6012-2004 (2009-03-27)	
(SABS SM 1012)	
Thickness swelling and water absorption of fibreboards on immersion in water	ter
Ed 1.01 A4 5p EN	Gr 3
	79.060.20
Specifies a method for the determination of the thickness swelling and water absor Am 1(National), 2004-11-05	rption of fibreboards on immersion in water.
SANS 6013:2004 (2009-03-27)	
(SABS SM 1013)	
Ed 1 01 A4 4p EN	Gr 2
PDF 4p EN	79.060.20
Specifies a method for the determination of the dimensional and mass stability of p Am 1(National), 2004-10-22	particle boards with varying humidity.
SANS 6015:2004 (2009-03-27)	
Modulus of elasticity and modulus of rupture in static bending of fibreboards	6
Ed 1.01 A4 6p EN	Gr 3
PDF 6p EN	79.060.20
Specifies a method for the determination of the modulus of elasticity and modulus Am 1(National), 2004-11-05	of rupture in static bending of fibreboards.
SANS 6016:2005 (2011-07-04) (SABS SM 1016)	
Transverse tensile (internal bond) strength of wood-based panels	
Ed 1.01 A4 4p EN	Gr 3
	19.060; 79.060.20
specifies a method for the determination of the transverse tensile strength (internal bond) of wood-based panels in the dry condition. Tensile force is applied simultaneously to the face-side and back of the board until failure occurs. Am 1(National), 2005-01-14	
SANS 6018:2005 (2011-07-04)	
(SABS SM 1018)	
Screw-holding strength of wood-based panels	
Ed 1.01 A4 4p EN PDE 4p EN	Gr 3
Specifies a method for the determination of the resistance to axial withdrawal of we	19.000; 79.000.20 bood screws of a standard type inserted into the face and into the

Specifies a method for the determination of the resistance to axial withdrawal of wood screws of a standard type inserted into the face and into the edge of wood-based panels. Am 1(National), 2005-01-21

SANS 6019:2004 (2009-03-27) (SABS SM 1019)	
Surface bond strength of particle boards	
Ed 1.01 A4 5p EN PDF 5p EN	Gr 3 19.060; 79.060.20
Specifies a method for the determination of the bond strength in the surface layers applying tensile force normal to the face of the board. Am 1(National), 2004-11-19	of woodbased panels. The failing stress is determined by
SANS 6025:1984 (2000-06-13) (SABS SM 1025)	
Vinyl chloride monomer content of polyvinyl chloride plastics for medical us	
Ed 1.00. A5 4n EN Looso loof	
PDF 4n FN	11 040 01 EE 100
· · · · · · · · · · · · · · · · · · ·	11.040.01, 55.120
Specifies a gas chromatographic method for the determination of the vinyl chloride	monomer content of polyvinyl chloride plastics for medical use.
SANS 6026:2005 (2010-05-07) (SABS SM 1026)	
Dry-cleaning pretreatment of textile fabrics	
Ed 2.00 A4 5p EN	Gr 4
PDF 5p EN	59.080.30
Specifies two procedures for the dry-cleaning pretreatment of textile fabrics.	
SANS 6027:2007 (2012-04-13) (SABS SM 1027)	
Calibration of the BCIRA X-type viscometer	
Ed 2.00 A4 6p EN	Gr 4
PDF 6p EN	17.060; 59.080.01
Specifies a method for the calibration of the BCIRA X-type viscometer.	
SANS 6028:2007 (2012-04-13) (SABS SM 1028)	
Fluidity of cotton and certain cellulosic man-made fibres in cuprammonium s	solution (basic method)
Ed 2.00 A4 9p EN	Gr 5
PDF 9p EN Specifies a basic method for the determination of the fluidity of cotton and certain of	17.060; 59.060.01
(SABS SM 1031)	
Standard laminated wood unit for testing wood adhesives	
Ed 1 01 A4 5n EN	Gr 3
PDF 5p EN	79 040: 83 180
	73.040, 00.100
Specifies a method for the preparation of a standard laminated wood unit for testin Am 1(National), 2005-02-25	g wood adhesives.
SANS 6032:2005	
(SABS SM 1032)	
Accelerated degradation of adhesive bonds in wood	
Ed 1.01 A4 3p EN	Gr 3
PDF 3p EN	79.040; 83.180
Specifies the test for accelerated degration of adhesive bonds in wood. Am 1(National), 2005-05-20	
SANS 6033:2006 (2013-03-15) (SABS SM 1033)	
Wood failure percentage in an adhesive joint	
Ed 2.00 A4 3p EN	Gr 3
PDF 3p EN	79.040: 83.180
· · · · · · · · · · · · · · · · · · ·	

Specifies a method for testing the determination of the wood failure percentage in an adhesive joint.

SANS 6034:2005 (2011-02-11) (SABS SM 1034) pH Value of wood adhesives	
Ed 1.01 A4 4p EN PDF 4p EN	Gr 3
Specifies a method for the determination of the pH value of wood adhesives. It is a aqueous extracts of cured adhesives. Am 1(National), 2005-05-20	applicable to uncured adhesives, components of adhesives, and
SANS 6044:2006 (2013-03-15) (SABS SM 1044)	
Shear strength in compression of wood adhesive bonds - Block shear test	
Ed 2.00 A4 7p EN	Gr 5
PDF /p EN	79.040; 83.180
Specifies a block shear test method for the determination of the shear strength in	compression of wood adhesive bonds.
SANS 6047:2007 (SABS SM 1047)	
Water - Dissolved oxygen content	
Ed 2.00 A4 7p EN	Gr 5
PDF 7p EN	13.060.50
Specifies a method for the determination of the dissolved oxygen content of water	and wastewater.
SANS 6048:2010 (SABS SM 1048)	
Water - Chemical oxygen demand	
Ed 2.02 A4 5p EN	Gr 4
PDF 5p EN	13.060.50
Specifies a method of determining the chemical oxygen demand (COD) in water a COD in the concentration range 20 mg/L to 700 mg/L. Oxidation of halides presen sulfate. In highly saline samples where the chloride concentration of the test portic attributable to partial oxidation of the chloride. Am 1(National), 2005-01-14 Am 2(National), 2010-04-30	nd wastewater. The method is applicable to the determination of t in the sample is avoided by complexing with mercuric (II) on is in excess of 2 000 mg/L, positive interference may be
SANS 6049:2010 (SABS SM 1049)	
Water - Suspended solids content	
Ed 2.02 A4 4p EN	Gr 3
PDF 4p EN	13.060.60
Specifies a method of measuring the concentration of suspended solids in water a of suspended solids in homogeneous samples.	nd in wastewater. The method is applicable to the determination
Am 1(National), 2004-12-10 Am 2(National), 2010-04-30	
SANS 6050:2010 (SABS SM 1050)	
water - Sodium content	0-0
PDF 4p EN	Gr 3 13.060.50
Specifies a method of determining the sodium content of water and wastewater by the determination of sodium in the concentration range 1 mg/L to 50 mg/L. Am 1(National), 2004-12-10 Am 2(National), 2010-04-30	direct flame emission photometry. The method is applicable to
SANS 6051:2007 (SABS SM 1051)	
Water - Oil and grease content	
Ed 2.00 A4 4p EN PDF 4p EN	Gr 3 13 060 50
Specifies a method for the determination of the oil and grease content of water an	d wastewater.
SANS 6053:2007 (SABS SM 1053)	
Water - Boron content	
Ed 2.00 A4 4p EN	Gr 3
PDF 4p EN	13.060.50
Specifies a method for the determination of the boron content of water and waster	vater.

SANS 6054:2010 (SABS SM 1054) Water - Chromium content		
Ed 2.02 A4 5p EN	Gr 4	
PDF ⁵ p EN	13.060.50	
Specifies a method of determining the chromium content of water and wastewater, absorption. The method is applicable to the determination of chromium in the concern Am 1(National), 2004-12-10 Am 2(National), 2010-04-30	using a nitrous oxide-acetylene flame and direct flame atomic entration range 0,05 mg/L to 10 mg/L.	
SANS 6055:2006 (2012-03-30) (SABS SM 1055)		
Water - Orthophosphate content		
Ed 2.00 A4 4p EN PDE 4p EN	Gr 3	
Chaptifies a method for the determination of the orthonhoophote content of water or	13.060.50	
Specifies a method for the determination of the orthophosphate content of water ar	id wastewater.	
SANS 6056:2007 (SABS SM 1056) Water - Sulfide content		
Ed 2.00 A4 6p EN	Gr 4	
Provide a mathematical for the determination of the sulfide content of water and water	13.060.50	
Specifies a method for the determination of the suifide content of water and waster	vater.	
SANS 6059:2010 (SABS SM 1059)		
Water - Mercury content	a -	
Ed 2.01 A4 /p EN PDF 7p EN	Gr 5 13 060 50	
Specifies a method for the determination of the mercury content of water and wastewater by using atomic absorption spectrophotometry. The method is applicable to the determination of mercury in the concentration range 0,001 mg/L to 0,010 mg/L.		
SANS 6060:2005 (2011-02-11) (SABS SM 1060)		
Analysis of plumage fillings (hand-sorting method)		
Ed 2.00 A4 5p EN	Gr 4	
PDF 5p EN	59.040; 97.160	
Specifies a hand-sorting method for the analysis of plumage fillings.		
SANS 6061:2007 (2012-05-25) (SABS SM 1061)		
CCA salts equivalent mass concentration of aqueous solutions that contain n for timber preservation	nixtures of copper-chromium-arsenic compounds used	
Ed 3.01 A4 4p EN PDF 4p EN	Gr 3 71 100 50	
Specifies a semi-quantitative method of determining the CCA salts equivalent mass concentration, Cm, of test samples of aqueous solutions that contain mixtures of copper-chromium-arsenic (CCA) timber preservative compounds, by means of the wet titration method. Am 1(National), 2007-05-25		
SANS 6072:2009		
(SABS SM 1072)		
Coking properties of coal (Ruhr dilatometer test)		
Ed 2.00 A4 14p EN	Gr 6	
Characteristics of method for the determination of the colling properties of each by using t	73.040	
Specifies a method for the determination of the coking properties of coal by using t		
SANS 6075:1983 (1999-02-19) (SABS SM 1075)		
Ed 1.00. A5 the EN Loose leaf	Gr 1	
PDF 1p EN	61.060	
Specifies a method for the determination of the total ash content (PVC upper. outer	r sole and heel materials).	
· · · · · · · · · · · · · · · · · · ·	, ,	

SANS 6076:1983 (1999-02-19)	
(SABS SM 1076) Ether-soluble matter content (PVC upper outer sole and beel materials)	
Ed 1.00 A5 1p EN Loose-leaf	Gr 1
PDF 1p EN	61.060; 71.040.40
Specifies a method for the determination of the ether-soluble matter content (PVC	upper, outer sole and heel materials).
SANS 6077:2006 (2013-01-25)	
Fire test for valves and other assemblies used in fire-hazardous situations	
Ed 2.00 A4 7p EN	Gr 5
PDF 7p EN	23.040.01; 23.060.01; 23.080
Covers the determination of the effect of elevated temperatures and fire on valves situations in respect of leakage and the operatability (if applicable) of such assem	and other assemblies in pipelines used in fire-hazardous blies.
SANS 6081:2008 (2012-11-30)	
(SABS SM 1081) Cleaning efficiency of low-foam laundry detergents	
Ed 3.00 A4 6p EN	Gr 4
PDF 6p EN	71.100.40
Specifies a method for the determination of the cleaning efficiency of low-foam law	undry detergents.
SANS 6082:2008 (2012-11-30)	
(SABS SM 1082)	
Ed 3.00 A4.6p EN	Gr 4
PDF 6p EN	71.100.40
Specifies a method for the determination of the cleaning efficiency of high-foam la	undry detergents.
SANS 6083:2004 (2009-03-27)	
(SABS SM 1083) Modulus of elasticity and modulus of runture in static bending of solid timb	ar and alued laminated timber in structural sizes
Ed 1.01 A4 4p EN	Gr 2
PDF 4p EN	19.060; 79.040
Specifies a method for the determination of the modulus of elasticity and modulus timber in structural sizes. Am 1(National), 2004-07-16	of rupture in static bending of solid timber and glued laminated
SANS 6084:2004 (2009-11-27)	
Colour fastness of textiles to light: Mercury vapour lamp method	
Ed 2.00 A4 13p EN	Gr 6
PDF 13p EN	17.180.20; 59.080.01
Specifies a method for determining the resistance of the colour of textiles of all kir produced by a mercury vapour lamp. The method is also applicable to white (blea	nds, and in all forms, and leather to the action of artificial light ched or optically brightened) textiles.
SANS 6085:2006 (2012-04-20) (SABS SM 1085)	
Concrete tests - Initial drying shrinkage and wetting expansion of concrete	
PDF 5p EN	Gr 4 91.100.30
Specifies a method of determining the initial drying shrinkage and wetting expansion of specimens of freshly cast concrete. Is not applicable to matured or hardened concrete or to concrete that contains expansion-inducing agents or to precast concrete products. Am 1(National), 2001-04-17 Am 2(National), 2006-10-20	
SANS 6094:2009	
(SABS SM 1094)	
Stock remedies - Efficacy of chemicals against tick larvae	
PDF 13p EN	65.100.10

Specifies a method for the determination of the efficacy of a chemical compound (at various concentrations) against tick larvae and to compare, under laboratory conditions, the efficacy to that of a known effective concentration of a reference formulation.

SANS 6095:2009 (SABS SM 1095) Stock remedies - Efficacy of chemicals against adult ticks	
Ed 2.00 A4 9p EN PDF 9p EN	Gr 5
Specifies a method for the determination of the efficacy of a chemical compound as indicated by their reproductive ability after treatment.	(at various concentrations) against engorged adult female ticks,
SANS 6096:2009 (SABS SM 1096)	
Stock remedies - Efficacy confirmation of ticklicides on cattle Ed 2.00 A4 15p EN	Gr 7
PDF 15p EN	65.100.10
Specifies a method for the determination of the effective concentration of a spray, effective dosage of a systemic formulation (whether administered orally or parente determination of the duration of the effect of a single treatment or application and with the shortest duration of sensitivity to a single treatment.	dip or pour-on formulation, or of an impregnated device, or the erally) against tick infestation. It also specifies a method for the for the efficacy of repeated treatments against the tick species
SANS 6097:2009 (SABS SM 1097)	
Stock remedies - Stripping rate of cattle tickicides in spray races	
PDF 8p EN	Gr 5 65.100.10
Specifies a method for the determination of the rate of stripping (selective remova cattle tickicide intended for use in spray races and plunge-dipping tanks in order to	I of the active ingredient) of the commercial formulation of a calculate a suitable replenishment rate.
SANS 6098:2009 (SABS SM 1098)	
Stock remedies - Stability of cattle tickloides in plunge-dipping tanks	Gr 5
PDF 9p EN	65.100.10
Specifies a method for testing the validity of the recommended replenishment rate commercial plunge-dipping conditions, as well as the continued stability of the act	e and the continued efficacy of the active ingredient under ive ingredient under various field conditions.
SANS 6100:2007 (SABS SM 1100)	
Aerial bundled conductors - Performance of supporting cores under mechan	nical and thermal stresses
Ed 3.00 A4 7p EN PDF 7p EN	Gr 5
Specifies a method of testing the performance of supporting cores of aerial bundle thermal stresses that are produced by the application of intermittent electric curre sectional area 54.6 mm2 and 70 mm2.	ed conductors by the application of mechanical stresses and nts. The test is applicable to conductors of nominal cross-
SANS 6101:2007	
(SABS SM 1101) Adherence of dielectric to conductor of supporting cores of aerial bundled of	conductors
Ed 2.00 A4 3p EN	Gr 3
PDF 3p EN	29.060.20
Specifies a method for the determination of the adherence of dielectric to a condu	ctor of supporting cores of aerial bundled conductors.
SANS 6103:2007 (SABS SM 1103) Linear density of yarns in weft-knitted fabrics Ed 2.00 A4 7p EN	Gr 5
PDF 7p EN	17.060; 59.080.20
Specifies a method for the determination of the linear density of yarns in weft-knitt	ed fabrics.
SANS 6104:2007 (SABS SM 1104)	
Stitch length of weft-knitted fabrics	Cr. A
PDF 6p EN	17.040.01; 59.080.30
Specifies a method for the determination of the stitch length of regular weft-knitted	d fabrics.

Standards South Africa Catalogue 2013 NUM - 352

SANS 6105:2007 (2012-04-13) (SABS SM 1105) Surface burning properties of textile fabric with a raised fibre surface Ed 2.00 A4 7p EN PDF 7p EN	Gr 5
Specifies a method for the determination of the surface burning properties of textil tufted, a flocked or similar surface. Not intended for use on textile floor coverings.	e fabric with a raised fibre surface such as a napped, a pile, a
SANS 6106:2005 (2011-02-11) (SABS SM 1106) Wales and courses per unit length in knitted textile fabrics (graduated rule n Ed 2.00 A4 3p EN PDF 3p EN	nethod) Gr 3 17.060; 59.080.30
Specifies a method for the determination of the wales and courses per unit length	in knitted textile fabrics, with the use of the graduated rule.
SANS 6107:2005 (2011-02-11) (SABS SM 1107) Wales and courses per unit length in knitted textile fabrics (Traversing threa Ed 2.00 A4 3p EN PDF 3p EN	d counter method) Gr 3 17.060; 59.080.30
Specifies a method for the determination of the wales and courses per unit length counter.	in knitted textile fabrics, with the use of a traversing thread
SANS 6109:1988 (2000-06-13) (SABS SM 1109) Volume of gas in a cartridge Ed 1.00 A5 1p EN Loose-leaf PDF 1p EN	Gr 1
Specifies a method for the measurement of the volume of gas in a cartridge.	11.060.01, 17.060
SANS 6110:1988 (1999-02-19) (SABS SM 1110) Accumulated impact strength of ladies' shoe heels of height greater than 25 Ed 1.00 A5 4p EN Loose-leaf PDF 4p EN	mm Gr 2
Specifies a method for the determination of the accumulated impact strength of la	dies' shoe heels of height greater than 25 mm.
SANS 6111:1988 (1999-02-19) (SABS SM 1111) Accumulated impact strength of steel shanks Ed 1.00 A5 3p EN Loose-leaf PDE 3p EN	Gr 2
Specifies a method for the determination of the accumulated impact strength of st	eel shanks for footwear.
SANS 6112:1988 (1999-02-19) (SABS SM 1112) Bending modulus of steel shanks for footwear	
Ed 1.00 A5 1p EN Loose-leaf	Gr 1
Specifies a method for the determination of the bending modulus of steel shanks t	19.060; 61.060 for footwear.
SANS 6113:1988 (1999-02-19) (SABS SM 1113)	
Resilience of steel shanks for footwear	
PDF 2p EN	19.060; 61.060
Specifie s amethod fore the determination of the resilience of steel shanks for foot	wear.
SANS 6114:2007 (2012-04-13) (SABS SM 1114) Resistance to actinic degradation of woven curtain and drape fabrics	
Ea 2.00 A4 4p EN PDF 4p EN	Gr 3 59.080.30
Specifies a method for the determination of the resistance to actinic degradation of	f woven curtain and drape fabrics.

SANS 6115:2007 (2012-04-13) (SABS SM 1115) Registered to activity degradation of knitted system and dropp febrics	
PDF 4p EN	Gr 3 59 080 30
Specifies a method for the determination of the resistance to actinitic degradation	of knitted curtain and drape fabrics.
SANS 6116:2005 (2011-02-11)	
Resistance of textile fabrics to pilling and fuzzing (Random tumble method)	
Ed 2.00 A4 11p EN	Gr 6
PDF 11p EN	59.080.30
Specifies the random tumble method for the determination of the resistance of tex	tile fabrics to pilling and fuzzing.
SANS 6117:1988 (2001-01-23) (SABS SM 1117)	
Moisture stability of insole boards and shank boards for footwear	
Ed 1.00 A5 1p EN Loose-leaf	Gr 1
	61.060
Specifies a method for the determination of the moisture stability of insole boards	and shank boards for footwear.
SANS 6118:1988 (2001-01-23) (SABS SM 1118)	
Spigot holding strength of ladies' plastics moulded heel top-pieces	
Ed 1.00 A5 2p EN Loose-leaf PDF 2n EN	Gr 1
r_{-}	19.000, 61.000
Specifies a method for the determination of the spigot holding strength of ladies p	stastics moulded neel top-pieces.
SANS 6119:2011 (SABS SM 1119)	
The water-soluble chloride content of material for thermal insulation	
Ed 2.00 A4 5p EN	Gr 4
	27.220; 91.100.60
Specifies the method for the determination of the water-soluble chloride content o	f material for thermal insulation.
SANS 6120:2005 (2011-02-11)	
(SABS SM 1120) Wales and courses per unit length in knitted textile fabrics (fixed aperture m	ethod)
Ed 2.00 A4 3p EN	Gr 3
PDF 3p EN	17.060; 59.080.30
Specifies the fixed aperture method for the determination of the number of wales a	and courses per unit length in knitted textile fabrics.
SANS 6121:2004 (2009-03-27) (SABS SM 1121)	
Bond quality of laminated timber products (Glulam) - Chisel test	
Ed 1.01 A4 5p EN	Gr 3
PDF 5p EN	79.040; 83.180
Specifies the chisel test for the determination of the bond quality of laminated time Am 1(National), 2004-08-06	per products (glulam).
SANS 6122:2008	
(SABS SM 1122) Qualification testing of solid structural timber and laminated structural timb	er (glulam) for verifying timber grading systems in
Fd 2.01 A4.11n FN	Gr 6
PDF 11p EN	79.040: 91.080.20
Provides for the qualification of testing of grading systems that are used industrial	ly on a continuous basis for the grading of solid and laminated
structural timber. Not aplicable to laminated products of specific design, or to proc Am 1(National), 2008-07-04	Jucts such as plywood and sleepers.

SANS 6123:2004 (2009-03-27) (SABS SM 1123)	
Wooden doors - Determination of stiffness	
Ed 2.01 A4 4p EN PDF 4p EN	Gr 2 79.080; 91.060.50
Specifies a method of determining the stiffness of a wooden door. Am 1(National), 2004-07-30	
SANS 6124:2004 (2009-03-27) (SABS SM 1124)	
Wooden doors - Determination of resistance to torsion	
Ed 2.02 A4 4p EN PDF 4p EN	Gr 2 79.080; 91.060.50
Specifies a method to determine the resistance to torsion of a wooden doorAm 1(National), 1999-01-21Am 2(National), 2004-11-25	
SANS 6125:2004 (2009-03-27) (SABS SM 1125)	
Resistance of wooden doors to hard body impact	
Ed 1.01 A4 4p EN	Gr 2
PDF 4p EN	79.080; 91.060.50
Specifies a method for the determination of the resistance of wooden doors to hard Am 1(National), 2004-07-30	d body impact.
SANS 6126:2004 (2009-03-27) (SABS SM 1126)	
Resistance of wooden doors to soft body impact	
Ed 1.01 A4 4p EN PDF 4p EN	Gr 2 79.080; 91.060.50
Specifies a method for the determination of the resistance of wooden doors to soft Am 1(National), 2004-07-30	t body impact.
SANS 6128:2004 (2009-03-27) (SABS SM 1128)	
Resistance of wooden doors to slamming	
Ed 1.01 A4 4p EN PDF 4p EN	Gr 2 79.080; 91.060.50
Specifies a method for the determination of the resistance of wooden doors to slar Am 1(National), 2004-07-30	nming.
SANS 6129:2004 (2009-03-27)	
Wooden doors - Class 2 - Determination of resistance to weathering	
Ed 2.01 A4 4p EN	Gr 2
PDF 4p EN	79.080; 91.060.50
Specifies a method of determining the resistance of a class 2 wooden door to adve Am 1(National), 2004-07-30	erse weather conditions.
SANS 6130:2006 (SABS SM 1130)	
Dimensional changes and skewness of textile fabrics on exposure to heat	
Ed 2.00 A4 5p EN	Gr 4
PDF 5p EN	17.040.01; 59.080.30
Specifies a method for the determination of the dimensional changes and skewnes that can show, at opposite edges, appreciable differences in dimensional stability a	ss of textile fabrics on exposure to heat. Is applicable to fabrics and skewness induced by a heat treatment such as fusing.
SANS 6131:1988 (1999-02-19) (SABS SM 1131)	
Pull-off strength of ladies' shoe heels	

Pull-off s	strength of ladies shoe neels	
Ed 1.00 A5 1p EN Loose-leaf	Gr 1	
	PDF 1p EN	19.060; 61.060

Specifies a method for the determination of the pull-off strength of ladies' shoe heels.

SANS 6133:2007	
(SABS SM 1133)	- alexiana
Enumeration of suitate-reducing bacteria - Most probable number (MPN) to	
PDF 10p EN	
Specifies the most probable number (MPN) technique for the enumeration of su	Ifate-reducing bacteria.
SANS 6124-1090 (1000-02-10)	
(SABS SM 1134)	
Fatigue bending of granulated cork bottom filler for footwear	
Ed 1.00 A5 2p EN Loose-leaf	Gr 1
PDF 2p EN	19.060; 61.060
Specifies a method for the determination of the fatigue bending of granulated co	ork bottom filler for footwear.
SANS 6135:1989 (1999-02-19) (SABS SM 1135)	
Heat insulation of granulated cork bottom filler for footwear	
Ed 1.00 A5 1p EN Loose-leaf	Gr 1
PDF 1p EN	61.060
Specifies a method for the determination of the heat insulation of granulated con	rk bottom filler for footwear.
SANS 6136:2011 (SABS SM 1136)	
Pesticides - Biological evaluation of materials that release an insecticide u	upon heating
Ed 3.00 A4 7p EN	Gr 5
PDF 7p EN	65.100.10
Describes the method for conducting biological efficacy tests on materials that r	release insecticides on heating.
SANS 6138:2007	
(SABS SM 1138)	
Resistance of cables and cords to flame propagation - Single vertical insu	lated cable or cord
Ed 2.00 A4 6p EN	Gr 4
	29.060.20
IEC 60332-1:1979, MOD	of simple vertical included calls or south
specifies a method for the determination of the resistance to fiame propagation	or single vertical insulated cable or cord.
SANS 6141:2007	
(SABS SM 1141)	
Fermitted explosives: Gallery test	
PDF 10p EN	
Specifies a method for the gallery test for permitted explosives. The test is desired	aned to simulate the firing of explosives in a gallery or room in a
fiery mine.	g
SANS 6142:2006	
Permitted explosives: Continuity of detonation	
Ed 2 00 A4 3n EN	Gr 3
PDF 3p EN	71,100,30
Method for the determination of the continuity of detonation of permitted explosi	ves
SANS 6146:2006	
(SABS SM 1146)	
Permitted explosives: Water resistance	
Ed 2.00 A4 3p EN	Gr 3
Method for the determination of the water resistance of permitted explosives	/1.100.30
SARS 514/:2005 (SARS SM 1147)	
Permitted evolosives: Gan consitivity	
Ed 2.00 A4.30 EN	Gr 3
PDF 3p EN	71,100,30
Method for the determination of the gap sensitivity of permitted explosives	

SANS 6148:2006 (SABS SM 1148) Permitted explosives: Low temperature sensitivity Ed 2 00, A4 3p EN	Gr 3
PDF 3p EN	71.100.30
Method for the determination of the low temperature sensitivity of permitted explos	ives.
SANS 6149:2006 (SABS SM 1149) Permitted explosives: Density Ed 2.00 A4 4p EN	Gr 3
PDF 4p EN	17.060; 71.100.30
Method for the determination of the density of permitted explosives.	
SANS 6150:2010 (SABS SM 1150) Verification of compression testing machines for concrete: Calibration of load Ed 2.01 A4 10p EN PDF 10p EN Describes a method to verify the accuracy of compression testing machines for compressing machines for compression testing machines for compr	ad scale Gr 5 19.060; 91.100.30 Increte.
Am 1(National), 2010-02-19	
SANS 6151:2013 (SABS SM 1151) Free water content of Portland cementitious materials Ed 2.01 A4 4p EN PDF 4p EN	Gr 3 91.100.10
Covers the method to determine the free content of Portland cementitious material Am 1(National), 2013-01-25	ls.
SANS 6152:2010 (SABS SM 1152) Available alkali content of cement extenders (complying with SANS 50197-1) Ed 2.00 A4 9p EN PDF 9p EN	Gr 5
Describes a method to determine the available alkali content of cement extenders	(complying with SANS 50197-1).
SANS 6154:2006 (2012-03-16) (SABS SM 1154) Glass content of granulated metallurgical slag (transmitted-light microscopy Ed 2.00 A4 6p EN PDF 6p EN	method) Gr 4 5 91 100 10
Describes a method to determine the proportions of pure glass, glassy material, cr	rystalline and opaque particles in granulated metallurgical slag.
SANS 6155:2006 (2012-03-16) (SABS SM 1155) Effect of extenders, used with cement, on the reduction of expansion caused method) Ed 2.00 A4 8p EN PDE 8p EN	d by alkali-silica reaction (accelerated mortar prism
Departies a method to determine the offect of extenders used with competers the	91.100.10
SANS 6158:2007 / ISO 6158:2004 (SABS ISO 6158) Metallic coatings - Electrodeposited coatings of chromium for engineering p Ed 2.00 A4 19p EN PDF 19p EN Specifies requirements for electroplated coatings of chromium, with or without und	urposes Gr 9 25.220.40 lercoats, on ferrous and non-ferrous metals for engineering
purposes.	

SANS 616	60:2005		
(SABS SN	/ 1160)		
Electrical	resistance of floors		
Ed 1.01	A4 4p EN PDF 4p EN		Gr 2 17.220.20; 91.060.30
Specifies Am 1(Nat	the test method for the determ ional), 2005-03-04	ination of the electrical resistance of floors	
SANS 61	63:2006 (2011-09-16)		
(SABS SN	/ 1163) nour transfor through a taxti	la fabria	
Fd 2 00	A4 5n FN		Gr 4
24 2.00	PDF 5p EN		59.080.30
Covers th penetratio	e determination of the water-va n and that are required to be p	apour transfer rate through a textile fabric a ermeable to water vapour. The air permeal	nd is applicable to textile fabrics that are resistant to water bility of these fabrics is too low to be measured by SANS 5265.
SANS 616	64:2009		
(SABS SN	/ 1164)		
Determin	ation of lead (inorganic and	tetra-alkyl) in workplace air by atomic at	osorption spectrophotometry
Ed 1.01	A4 11p EN PDF 11p EN		Gr 6
Specifies	the determination of lead (inor	agnic and tetra-alkyl) in the workplace air h	v stomic absorption spectrophotometry
Am 1(Nat	ional), 2009-04-24	ganic and tetra-aixy) in the workplace an b	y atomic absorption spectrophotometry.
SANS 616	58:2010		
(SABS SN Water - P	/I I I I I I I I I I I I I I I I I I I	ie	
Ed 1.02	A4 6p EN		Gr 4
	PDF ['] 6p EN		13.060.50
Specifies the prepar Err 1(Nati	a method of preparing water a ration of samples for analysis i fonal), 1990-11-01	nd wastewater samples for analysis for the n accordance with test methods that specif Am 1(National), 2004-12-15	constituent forms of metals. The method is only applicable to ically identify this method for pretreatment purposes. Am 2(National). 2010-04-23
SANS 610	SQ-2010		
(SABS SN	M 1169)		
Water - A	luminium content		
Ed 1.02	A4 5p EN		Gr 4
	PDF 5p EN		13.060.50
Specifies absorptior Am 1(Nat	a method of determining the a n. The method is applicable to ional), 2005-01-14	luminium content of water and wastewater, the determination of aluminium in the conc Am 2(National), 2010-04-23	using a nitrous oxide-acetylene flame and direct flame atomic entration range 0,1 mg/L to 100 mg/L.
SANS 617	70-2010		
(SABS SN	/ 1170)		
Water - C	obalt content		
Ed 1.02	A4 5p EN		Gr 4
	PDF 5p EN		13.060.50
Specifies The meth	a method of determining the c od is applicable to the determining the c	bbalt content of water and wastewater, usin nation of cobalt in the concentration range (ng an air-acetylene flame and direct flame atomic absorption. 0,1 mg/L to 10 mg/L.
Am I (Nat	ional), 2005-01-14	Am 2(National), 2010-04-23	
SANS 617	71:2010		
(SABS SN Water - N	/ 11/1) ickel content		
Fd 1 02	A4 5n FN		Gr 4
LU 1.02	PDF 5p EN		13.060.50
Specifies The methe Am 1(Nat	a method of determining the n od is applicable to the determin ional), 2004-12-10	ickel content of water and wastewater, usin nation of nickel in the concentration range (Am 2(National), 2010-04-30	g an air-acetylene flame and direct flame atomic absorption. 0,05 mg/L to 10,0 mg/L.
SANS 617 (SABS SM	72:2003 (2010-04-16) // 1172)		
Fire extin	guishers - Assessment of fir	e rating	
Ed 1.02	A4 8p EN PDF 8p EN		Gr 4 13.220.10
Describes	a method for assessing the te	est fire rating of fire extinguishers intended	for extinguishing class A and class B fires
Am 1(Nat	ional), 1993-05-01	Am 2(National), 2003-12-18	

SANS 6173:2004 (2009-03-27) (SABS SM 1173) Fibreboard - Preparation of test specimens	
Ed 1.01 A4 8p EN PDF 8p EN	Gr 4 79.060.20
Specifies a method of selecting, cutting and identification marking of test specimer Am 1(National), 2004-06-24	ns of fibreboard.
SANS 6174:2004 (2009-03-27) (SABS SM 1174) Fibreboard - Measurement of dimensions of test specimens Ed 1.01, A4 4p EN	Gr 2
PDF 4p EN	79.060.20
Specifies a method of measuring the length, width and thickness of conditioned te: Am 1(National), 2004-03-26	st specimens of fibreboard and fibreboard products.
SANS 6175:2004 (2009-03-27) (SABS SM 1175) Fibreboard - Determination of density	
Ed 1.01 A4 5p EN PDF 5p EN	Gr 3 79.060.20
Specifies a method of determining the density of fibreboard and fibreboard product Am 1(National), 2004-02-19	S.
SANS 6176:2004 (2009-03-27) (SABS SM 1176) Fibreboard - Determination of linear expansion as a result of water absorptio Ed 1.01 A4 4p EN	n Gr 2
PDF 4p EN Specifies a method of determining the linear dimensional changes of fibreboard as	79.060.20 a result of water absorption.
Am 1(National), 2004-02-19 SANS 6177:2004 (2009-03-27)	
(SABS SM 1177)	
Ed 1.01 A4 5p EN PDF 5p EN	Gr 3 79.060.20
Specifies a method of determining the bitumen content of bitumen insulation board Am 1(National), 2004-02-19	ł.
SANS 6178:2004 (2009-03-27) (SABS SM 1178)	
Fibreboard - Determination of lateral nail-holding strength Ed 1.01 A4 5p EN	Gr 3
Specifies a method of determining the lateral nail-holding strength of a fibreboard p tend to pull panelling or sheathing from a wall.	79.060.20 banel. The test simulates the condition encountered when forces
SANS 6179:2004 (2009-03-27)	
(SABS SM 1179) Coated fibrehoard - Determination of resistance of coating to scraning	
Ed 1.01 A4 5p EN PDF 5p EN	Gr 3 79.060.20
Specifies a method of determining the adhesion of a coating to a smooth, flat surfa Am 1(National), 2004-06-24	ace of fibreboard.
SANS 6180:2004 (2009-03-27) (SABS SM 1180)	
Coated fibreboard - Determination of resistance to staining	Gr 2
PDF 5p EN	79.060.20
Specifies a method of determining the resistance of coated fibreboard to staining. Am 1(National), 2004-06-24	

(SABS SM 1181)	
Coated fibreboard - Determination of resistance to steam	
Ed 1.01 A4 5p EN PDF 5p EN	Gr 3 79.060.20
Specifies a method of determining the resistance of coated fibreboard to steam. Am 1(National), 2004-07-02	
SANS 6182:2004 (2009-03-27) (SABS SM 1182)	
Wooden doors - Class 1 - Determination of resistance to weathering	
Ed 1.01 A4 3p EN	Gr 2
PDF 3P EN	79.080; 91.060.50
Specifies a method of determining the resistance of a class 1 wooden door to adv Am 1(National), 2004-11-25	verse weather conditions.
SANS 6183:2006	
(SABS SM 1183)	
Figure Fi	Gr 3
PDF 3p EN	19.120; 65.100.01
Specifies a method for sieving tablets and pellets to determine their friability durir	g transportation and handling.
Am 1(National), 2006-05-26	
SANS 6188:2005 (2011-12-15)	
(SABS SM 1188) Textile floor coverings - Loss of thickness after brief, moderate static loadir	a de la companya de l
Ed 3.00 A4 11p EN	Gr 6
PDF 11p EN	59.080.60
Specifies a method for determining the loss of thickness of textile floor coverings method is intended to simulate the effect that a chair leg, exerting a pressure for floor coverings of uniform thickness and construction. Does not apply to other tex construction can be tested separately.	that have been subjected to brief, moderate static loading. The a short period, would have on a floor covering. Applies to all textile tile floor coverings unless the areas of different thickness or
SANS 6192:2006	
(SABS SM 1192)	
Corrugated fibre board - Determination of ply adhesion	
Ed 1.01 A4 3p EN PDF 3p EN	Gr 3 85.060
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20	Gr 3 85.060 flutes and the facings of corrugated fibre board.
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006	Gr 3 85.060 flutes and the facings of corrugated fibre board.
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193)	Gr 3 85.060 flutes and the facings of corrugated fibre board.
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193) Corrugated fibre board - Determination of thickness Ed 1.01 A4 3p EN	Gr 3 85.060 flutes and the facings of corrugated fibre board.
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193) Corrugated fibre board - Determination of thickness Ed 1.01 A4 2p EN PDF 2p EN	Gr 3 85.060 flutes and the facings of corrugated fibre board. Gr 2 85.060
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193) Corrugated fibre board - Determination of thickness Ed 1.01 A4 2p EN PDF 2p EN Specifies a method for determining the thickness of the corrugated fibre board of Am 1(National), 2006-10-20	Gr 3 85.060 flutes and the facings of corrugated fibre board. Gr 2 85.060 corrugated board boxes.
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193) Corrugated fibre board - Determination of thickness Ed 1.01 A4 2p EN PDF 2p EN Specifies a method for determining the thickness of the corrugated fibre board of Am 1(National), 2006-10-20 SANS 6194:2007 (SABS SM 1194)	Gr 3 85.060 flutes and the facings of corrugated fibre board. Gr 2 85.060 corrugated board boxes.
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193) Corrugated fibre board - Determination of thickness Ed 1.01 A4 2p EN PDF 2p EN Specifies a method for determining the thickness of the corrugated fibre board of Am 1(National), 2006-10-20 SANS 6194:2007 (SABS SM 1194) Slippage resistance of varns at standard seams in fabrics	Gr 3 85.060 flutes and the facings of corrugated fibre board. Gr 2 85.060 corrugated board boxes.
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193) Corrugated fibre board - Determination of thickness Ed 1.01 A4 2p EN PDF 2p EN Specifies a method for determining the thickness of the corrugated fibre board of Am 1(National), 2006-10-20 SANS 6194:2007 (SABS SM 1194) Slippage resistance of yarns at standard seams in fabrics Ed 2.01 A4 8p EN	Gr 3 85.060 flutes and the facings of corrugated fibre board. Gr 2 85.060 corrugated board boxes.
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193) Corrugated fibre board - Determination of thickness Ed 1.01 A4 2p EN PDF 2p EN Specifies a method for determining the thickness of the corrugated fibre board of Am 1(National), 2006-10-20 SANS 6194:2007 (SABS SM 1194) Slippage resistance of yarns at standard seams in fabrics Ed 2.01 A4 8p EN PDF 8p EN	Gr 3 85.060 flutes and the facings of corrugated fibre board. Gr 2 85.060 corrugated board boxes. Gr 5 59.080.20; 59.080.30
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193) Corrugated fibre board - Determination of thickness Ed 1.01 A4 2p EN PDF 2p EN Specifies a method for determining the thickness of the corrugated fibre board of Am 1(National), 2006-10-20 SANS 6194:2007 (SABS SM 1194) Slippage resistance of yarns at standard seams in fabrics Ed 2.01 A4 8p EN PDF 8p EN Specifies a method of determining the slippage resistance of yarns in the vicinity woven apparel and household fabrics, to determine the tendency of their yarns to fabrics, pile (upholstery) fabrics, highly stretchable fabrics and fabrics with elastor Am 1(National), 2007-11-09	Gr 3 85.060 flutes and the facings of corrugated fibre board. Gr 2 85.060 corrugated board boxes. Gr 5 59.080.20; 59.080.30 of seams, under conditions of stress. This method is applicable to slip at the seams. It is not intended for coarse or heavy industrial neric yarns.
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193) Corrugated fibre board - Determination of thickness Ed 1.01 A4 2p EN PDF 2p EN Specifies a method for determining the thickness of the corrugated fibre board of Am 1(National), 2006-10-20 SANS 6194:2007 (SABS SM 1194) Slippage resistance of yarns at standard seams in fabrics Ed 2.01 A4 8p EN PDF 8p EN Specifies a method of determining the slippage resistance of yarns in the vicinity woven apparel and household fabrics, to determine the tendency of their yarns to fabrics, pile (upholstery) fabrics, highly stretchable fabrics and fabrics with elastor Am 1(National), 2007-11-09 SANS 6195:2006 (SABS SM 1195)	Gr 3 85.060 flutes and the facings of corrugated fibre board. Gr 2 85.060 corrugated board boxes. Gr 5 59.080.20; 59.080.30 of seams, under conditions of stress. This method is applicable to slip at the seams. It is not intended for coarse or heavy industrial meric yarns.
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193) Corrugated fibre board - Determination of thickness Ed 1.01 A4 2p EN PDF 2p EN Specifies a method for determining the thickness of the corrugated fibre board of Am 1(National), 2006-10-20 SANS 6194:2007 (SABS SM 1194) Slippage resistance of yarns at standard seams in fabrics Ed 2.01 A4 8p EN PDF 8p EN Specifies a method of determining the slippage resistance of yarns in the vicinity woven apparel and household fabrics, to determine the tendency of their yarns to fabrics, pile (upholstery) fabrics, highly stretchable fabrics and fabrics with elastor Am 1(National), 2007-11-09 SANS 6195:2006 (SABS SM 1195) Examination for the presence of viable Shigella organisms in foods	Gr 3 85.060 flutes and the facings of corrugated fibre board. Gr 2 85.060 corrugated board boxes. Gr 5 59.080.20; 59.080.30 of seams, under conditions of stress. This method is applicable to slip at the seams. It is not intended for coarse or heavy industrial neric yarns.
Ed 1.01 A4 3p EN PDF 3p EN Specifies a method of measuring the strength of the adhesive bond between the Am 1(National), 2006-10-20 SANS 6193:2006 (SABS SM 1193) Corrugated fibre board - Determination of thickness Ed 1.01 A4 2p EN PDF 2p EN Specifies a method for determining the thickness of the corrugated fibre board of Am 1(National), 2006-10-20 SANS 6194:2007 (SABS SM 1194) Slippage resistance of yarns at standard seams in fabrics Ed 2.01 A4 8p EN PDF 8p EN Specifies a method of determining the slippage resistance of yarns in the vicinity woven apparel and household fabrics, to determine the tendency of their yarns to fabrics, pile (upholstery) fabrics, highly stretchable fabrics and fabrics with elastor Am 1(National), 2007-11-09 SANS 6195:2006 (SABS SM 1195) Examination for the presence of viable Shigella organisms in foods Ed 1.01 A4 10p EN PDF 10p EN	Gr 3 85.060 flutes and the facings of corrugated fibre board. Gr 2 85.060 corrugated board boxes. Gr 5 59.080.20; 59.080.30 of seams, under conditions of stress. This method is applicable to slip at the seams. It is not intended for coarse or heavy industrial neric yarns.

SANS 61 (SABS S	96:2006 M 1196)	
Examina	tion for the presence of viable pathogenic Vibrio organisms in foods	3
Ed 1.01	A4 8p EN PDF 8p EN	Gr 5 07 100 30
Specifies Am 1(Na	a method of examining for the presence of viable pathogenic Vibrio orga tional), 2006-10-06	nisms (V. cholerae and V. parahaemolyticus) in foods.
SANS 62 (SABS S	04:2007 M 1204)	
Heat res	istance of cables and flexible cords	
Ed 2.00	A4 3p EN PDF 3p EN	Gr 3 29.060.20
Specifies electrical encounte	a method of testing the electrical and mechanical integrity of a cable or f high tension. Is applicable to cables or cords intended to be used with ap red, such as irons, toasters and furnaces.	lexible cord when in direct contact with a hot surface while under pliances, apparatus or equipment where hot surfaces are
SANS 62	05:2007 M 1205)	
Extensib	ility test for extensible leads	
Ed 2.00	A4 4p EN	Gr 3
0	PDF 4p EN	19.060; 29.060.20
Specifies	a method of testing the ability of an extensible lead to withstand extension	n.
SANS 62 (SABS S	06:2007 M 1206)	
Wear res	sistance of braided and unkinkable cords	
Ed 2.00	A4 4p EN PDF 4p EN	Gr 3 19.060: 29.060.20
Specifies	a method of testing the ability of braided and unkinkable electric cords to	withstand wear.
SANS 62	07:2007	
(SABS S Domalia a	M 1207) Asat far highly flavible sands such as fires leards	
Benaing	A4 20 EN	Cr 3
EU 2.00	PDF 3p EN	19.060; 29.060.20
Specifies	a method of testing the ability of highly flexible cords to bend	
SANS 62 (SABS S	08:2007 M 1208)	
Extensio	on test for extensible leads	
Ed 2.00	A4 3p EN PDF 3p EN	Gr 3 19.060: 29.060.20
Specifies	a method of testing the extensibility of extensible leads.	
SANS 62	10:2011 M 1010)	
Domesti	c solar water heaters - Mechanical qualification tests	
Ed 3.00	A4 8p EN	Gr 5
	PDF 8p EN	19.060; 27.160; 91.140.65; 97.100.99
Specifies	test methods for the mechanical qualification of domestic solar water her	aters.
SANS 62 Domesti	:11-1:2012 c solar water heaters Part 1: Thermal performance using an outdoor	test method
Ed 2.01	A4 14p EN PDF 14p EN	Gr 6 19.060; 91.140.65; 97.100.99
Describe Am 1(Na	s an outdoor test method for the determination of the thermal performanc tional), 2012-04-13	e of domestic solar water heaters.
SANS 62	11-2:2003 (2009-08-21)	
Domesti	c solar water heaters Part 2: Thermal performance using an indoor to	est method
⊨a 1.00	PDF 6p EN	Gr 4 19.060; 27.160; 91.140.65; 97.100.99
Specifies storage c	an indoor test method for the determination of the thermal performance capacity not exceeding 0,3 m(cubed).	of domestic solar water heating systems for potable water and of

Standards South Africa Catalogue 2013

SANS 6216:1993 (2000-06-13) (SABS SM 1216)		
Adnesion in peel of sealant		C+ 4
PDF 6p EN		Gr 4 91 100 50
Specifies a method of determining the a	dhesion in peel of sealant on specific sur	faces.
SANS 6219:2007		
(SABS SM 1219)		
Permitted electric detonators: Incend	ivity (Gallery test)	0.4
PDF 5p EN		Gr 4 71 100 20
Specifies a method to determine the inclosed of any other type.	endivity of permitted electric detonators.	Does not apply to electronic detonators or to permitted detonators
SANS 6223:2010 (SABS SM 1223)		
The Izod impact test for metallic mate	rials	
Ed 1.03 A4 16p EN		Gr 7
PDF 16p EN		77.040.10
Specifies the conditions for carrying out of test pieces and the testing procedures	the Izod method used in determining the s for materials in wrought or cast form.	impact properties of metallic materials. It recommends the form
Cor 1(National), 1993-12-20	Am 1(National), 2008-11-28	Am 2(National), 2010-02-19
SANS 6234:2006 (SABS SM 1234) Posticidos - Spontanoque ignition pro	oportion of solid fumigrante	
Ed 1 01 A4 4p EN	perfies of solid fulligants	Gr 3
PDF 4p EN		65 100 01
Specifies a method of determining wheth Am 1(National), 2006-04-21	her solid fumigant formulations display sp	oontaneous ignition properties.
SANS 6238:2007 (2012-05-25) (SABS SM 1238)		
Retention of boron in timber (analytic	al method)	
Ed 1.01 A4 5p EN PDF 5p EN		Gr 4 71.100.50; 79.040
Specifies a test method of determining t Am 1(National), 2007-07-20	he boron content, in boric acid form, in te	st samples of timber.
SANS 6239:2012 (SABS SM 1239)		
Aggregate impact value of coarse age	gregate	
Ed 2.01 A4 8p EN	, ,	Gr 5
PDF 8p EN		91.100.15
Specifies a method for determining the a measure of the resistance of an aggrega specified size in a dry or a saturated sur Am 1(National), 2012-03-23	aggregate impact value (AIV) of a prepare ate to sudden shock or impact. The perce face-dry condition is determined.	ed confined sample of coarse aggregate, which gives a relative intage of the material crushed by impact to a size finer than a
SANS 6240:2008 (SABS SM 1240)		
Electric conductivity of fine addregate	e	
Ed 1.02 A4 6p EN PDF 6p EN		Gr 4
Specifies a method for determining the emeasurement of soluble salts contained	electric conductivity of fines fractions in ball in the fine aggregates by virtue of the electric structure stru	ase-courses. The method provides a rapid means for the indirect actric conductivity of a saturated paste of the material. Since not

n all salts are equally soluble and deleterious in fine aggregates, the quantitative determination of the total soluble salts content of the material does not indicate the level at which criteria for its presence can be set. Am 2(National), 2008-06-20

Am 1(National), 2002-04-26

SANS 6241:2006 (2012-03-16)		
(SABS SM 1241) Particle size distribution of material of diameter smaller than 75 um in fine ac	gregate (hydrometer method)	
Ed 1.01 A4 8p EN	Gr 5	
PDF ['] 8p EN	91.100.15	
Specifies a method for determining the distribution of particle sizes smaller than 75 of sedimentation. The relation between the diameter, density and settling velocity Am 1(National), 2006-09-15	$5\mu\text{m}$ in fine aggregate. Particles are divided indirect, by means of spherical particles in water is given by Stokes' Law.	
SANS 6242:2008		
(SABS SM 1242)		
Acid insolubility of aggregates	Gr 2	
PDF 4p EN	91.100.15	
Specifies a method for determining the insolubility of an aggregate when treated with Am 1(National), 2002-03-25 Am 2(National), 2008-07-25	ith acid.	
SANS 6243:2008		
(SABS SM 1243)		
Deleterious clay content of the fines in aggregate (methylene blue adsorption	n indicator test)	
Ed 1.02 A4 4p EN	Gr 3	
	91.100.15	
Specifies a rapid qualitative means for determining whether the clay content of the minerals, such as smectices, which are usually results of the weathering of rock.Al further investigated to determine its suitability for specific applications. Am 1(National), 2002-04-26 Am 2(National), 2008-10-24	fines of an aggregate contains deleterious swelling clay so indicates to what an extent an aggregate requires to be	
SANS 6244:2006 (2012-03-16)		
(SABS SM 1244)		
Particles of diameter not exceeding 20 µm and not exceeding 5 µm and small	ler, respectively, in fine aggregate (pipette method)	
Ed 1.01 A4 6p EN PDF 6p EN	Gr 4 91 100 15	
Specifies a method for determining the proportions of particles of diameter not exceeding 20 µm and not exceeding 5 µm and smaller, in fine aggregate. Particles of different sizes in fine aggregate are divided indirect, by means of sedimentation. The relation between the diameter and settling velocity of spherical particles in water is given by Stokes' Law. Am 1(National), 2006-10-06		
SANS 6245:2006 (2013-03-15)		
(SABS SM 1245)		
Potential reactivity of aggregates with alkalis (accelerated mortar prism meth	lod)	
Ed 1.02 A4 8p EN PDF 8p EN	Gr 5	
Creation a method for predicting the potential reactivity of an approache with all all	91.100.15	
conjunction with cement of high alkali content.	s, as may be the case in practice if the aggregate is used in	
Am 1(National), 2002-04-26 Am 2(National), 2006-10-06		
SANS 6246:2006 (2012-04-26) (SABS SM 1246)		
Treton impact value of aggregates		
Ed 1.02 A4 4p EN	Gr 3	
PDF 4p EN	91.100.15	
Specifies a method for determining the Treton value, which is a measure of the rest the blows of a falling hammer and the resulting disintegration is measured by mean this quantity then being expressed as a percentage of the sample tested. Am 1(National), 2002-04-26 Am 2(National), 2006-10-06	sistance of aggregate to impact. The aggregate is subjected to ns of the quantity that passes a sieve of certain aperture size,	
SANS 6248:2007		
(SABS SM 1248)		
Paints and varnishes - Determination of traffic wear index		
Ed 2.00 A4 7p EN PDF 7p EN	Gr 5 87.040; 93.080.20; 93.120	

Specifies a method of determining the wear index of dry paint films of road and runway markings applied to traffic-bearing surfaces. The document also serves as a comparative test of paints that have been applied at the same time and in close proximity to one another.

87.040; 93.080.20; 93.120

SANS 6250:2006 (2012-06-15)	
(SABS SM 1250)	
Concrete tests - Density of compacted freshly mixed concrete	
Ed 1.01 A4 3p EN PDF 3p EN	Gr 3 17.060; 91.100.30
Specifies a method of determining the density of compacted freshly mixed concrete	e.
Am 1(National), 2006-11-17	
SANS 6251:2006 (2012-03-09)	
(SABS SM 1251)	
PDF 5p EN	Gr 4 17.060; 91.100.30
Specifies a method of determining the density of hardened concrete. Am 1(National), 2006-11-17	
SANS 6252:2006 (2012-03-16) (SABS SM 1252)	
Concrete tests - Air content of freshly mixed concrete - Pressure method	
Ed 1.01 A4 15p EN	Gr 7
PDF 15p EN	91.100.30
Specifies a method of determining the air content of compacted freshly mixed conc the concrete with a change in pressure. Am 1(National) 2006-11-17	crete from the observation of the change in volume of the air in
SANS 6253:2006 (2012-03-23) (SABS SM 1253)	
Concrete tests - Tensile splitting strength of concrete	
Ed 1.01 A4 5p EN PDF 5p EN	Gr 4 91.100.30
Specifies a method of determining the tensile splitting strength of cylindrical, cubica Am 1(National), 2006-11-17	al and prismatic test specimens of hardened concrete.
SANS 6254:2006 (2012-03-23)	
Mortar tests - Initial drving shrinkage and wetting expansion of mortar	
Ed 1 01 A4 6n EN	Gr 4
PDF 6p EN	91 100 30
Specifies a method of determining the initial drying shrinkage and wetting expansic either on site from mortar actually being used in practice or from mortar prepared in be used. Am 1(National), 2006-11-17	on of freshly mixed mortar and cast mortar specimens prepared in the laboratory with materials and in the proportions intended to
SANS 6255:2006 (2012-03-23) (SABS SM 1255)	
Mortar tests - Compressive strength of mortar	
Ed 1.01 A4 4p EN	Gr 3
PDF ['] 4p EN	91.100.30
Specifies a method of determining the compressive strength of freshly mixed mortar mortar actually being used in practice or from mortar prepared in the laboratory with Am 1(National), 2006-10-20	ar and cast mortar specimens prepared either on site from h materials and in the proportions intended to be used.
SANS 6257:2007	
(SABS SM 1257)	
Microbiological examination of canned meat and fish products	
	o -

wiiciobic	nogical examination of camed meat and itsi products	
Ed 2.01	A4 8p EN	Gr 5
	PDF 8p EN	07.100.30

Specifies the procedure for the microbiological examination of canned meat and fish products. Am 1(National), 2007-06-08

Paints and varnishes - Determination of wet-scrub resistance, washability and cleanability of coatings Ed 2.00 A4 8p EN Gr 6 PDF 8p EN 87.040 Specifies accelerated methods for the determination of washability and wet-scrub resistance. With regard to the cleanability of paint coatings, only the method itself is specified, and not the soiling agents. Cleanability is assessed as a separate test on a coating that complies with the requirement for wet-scrub resistance. SANS 6259:2003 (2008-03-20) (SABS SM 1259) Paints and varnishes - Determination of brush and roller application properties Ed 2.00 A4 9p EN Gr 6 PDF 9p EN 87.040 Specifies a method of assessing the brush and roller application properties and the flow characteristics of paints when the paints are applied over relatively large areas. Can also be used to assess other properties such as recoating, lapping and retraction from sharp edges. SANS 6260:2007 (SABS SM 1260) Paints and varnishes - Determination of skid resistance Ed 2.00 A4 8p EN Gr 5 PDF 8p EN 87.040; 93.080.20; 93.120 Specifies a method of determining the skid resistance of road-marking and runway- marking paints, both under laboratory conditions and on painted traffic-bearing surfaces. The skid-resistance test simulates the performance of a vehicle with patterned tyres, braking with locked wheels at 50 km/h on a wet road. SANS 6261:2008 (SABS SM 1261) Paints and varnishes - Determination of coefficient of retro-reflected luminance by means of a portable retro-reflectometer Ed 3.00 A4 7p EN Gr 5 PDF 7p EN 17.180.20; 87.040 Specifies a method of determining the coefficient of retro-reflected luminance of roadmarking and runway-marking paints by means of a portable instrument. The results will give an indication of the night-time visibility of road markings from the driver position and as illuminated by the headlights of a motor vehicle. SANS 6262:1995 (2002-09-13) (SABS SM 1262) **Cigarettes - Sampling** Ed 1.00 A4 4p EN Loose-leaf Gr 4 PDF 4p EN 65.160 ISO 8243:1991, NEQ Specifies a method of sampling cigarettes at a manufacturer's factory or at an importer's or a distributor's warehouse, for the purpose of determining the condensate content and nicotine content of cigarette smoke. SANS 6265:2006 (2012-03-23) (SABS SM 1265) Water - Calcium and magnesium content - Atomic absorption spectrometric method Ed 1.02 A4 6p EN Gr 4 PDF 6p EN 13.060.50 Describes a method for the determination of dissolved calcium and magnesium by flame atomic absorption spectrometry. Intended for the analysis of raw and drinking waters, and can be used for waters that have a calcium content of up to 50 mg/L and a magnesium content of up to 5 mg/L. Am 1(National), 2000-06-09 Am 2(National), 2006-07-28 SANS 6266:2009 (SABS SM 1266) Virucidal efficacy of disinfectants and detergent-disinfectants using bacteriophages as indicator organisms Ed 1.01 A4 9p EN Gr 5 PDF 9p EN 07.100.99: 11.080.20 Specifies a method to determine the virucidal efficacy of disinfectants and detergent-disinfectants using bacteriophage strains MS2 and phiX174 as indicator organisms. Am 1(National), 2009-02-27

NUMERICAL LIST OF STANDARDS

SANS 6258:2003 (2008-03-20)

(SABS SM 1258)

SANS 6267:2007 (SABS SM 1267) Enumeration of linelytic and oxidative organisms in foodstuffs	
Enumeration of hoostic and oxidative organisms in foodstuns Ed. 1.01 A4.9n EN	Gr 5
PDF 9p EN	07.100.30
Specifies the procedure for the enumeration of lipolytic and oxidative organisms in Am 1(National), 2007-09-07	foodstuffs.
SANS 6268:2007	
(SABS SM 1268)	
Microbiological examination of foodstuffs in retort pouches	Cr. F.
PDF 10p EN	07.100.30
Specifies the procedure for the microbiological examination of foodstuffs in retort p Am 1(National), 2007-09-07	ouches.
SANS 6269:2005 (2010-10-01) (SABS SM 1269)	
Welding of thermoplastics - Test methods for welded joints	
Ed 1.01 A4 26p EN	Gr 9
PDF 26p EN	25.160.40; 83.080.20
Describes methods of testing welded joints in a specified range of thermoplastics. I tensile-creep, bend and peel. Am 1(National), 2005-02-04	Describes the standard destructive tests for tensile strength,
SANS 6270-1:2004 / ISO 6270-1:1998 (2011-04-14)	
Paints and varnishes - Determination of resistance to humidity Part 1: Contin	uous condensation
Ed 1.00 A4 10p EN	Gr 6
PDF 10p EN	87.040
Specifies a method for determining the resistance of paint films, paint systems and with the requirements of coating or product specifications. The method is applicable plasterboard and on non-porous substrates such as metal. It provides an indication conditions of exposure where continuous condensation occurs on the surface. The blistering, staining, softening, wrinkling and embrittlement) and deterioration of the	I related products to conditions of high humidity in accordance e to coatings both on porous substrates such as wood, plaster of the performance likely to be obtained under severe procedure may reveal failures of the coating (including substrate.
SANS 6278:2007 (2012-05-25) (SABS SM 1278)	
Boric acid equivalent mass concentration of aqueous solutions that contain I	borate timber preservatives
Ed 2.01 A4 4p EN	Gr 3
PDF 4p EN	71.100.50
Specifies a method for determining the boric acid equivalent (bae) mass concentra timber preservative compounds, or admixtures of borates and fire retardant, by me Am 1(National), 2007-09-21	tion, of team samples of aqueous solutions that contain borate ans of the wet titration method.
SANS 6279:2003 (2008-03-20) (SABS SM 1279)	
Paints and varnishes - Determination of residue on sieve	
Ed 2.00 A4 4p EN	Gr 4
	87.060.99
Describes a method for determining the residue on sieve from a sample of paint, va	arnish, paste or powder.
SANS 6280:2003 (2008-03-20) (SABS SM 1280)	
Paints and varnishes - Application by dipping	
Ed 2.00 A4 2p EN PDF 2p EN	Gr 3
Describes a method for obtaining a uniform film by means of dipping. Dipping prop	or.uzu
Describes a method for obtaining a uniform nim by means of dipping. Dipping prop	entes of a coating can also be determined.
SANS 6281-1:2007 (SABS SM 1281-1) Test methods for improvented money insulated cleatric cobles Port 1: Tests of	n inculating and comi conducting paper
Ed 2.00 A4 gn EN	Gr 5
PDF 9p EN	29.035.10: 29.060.20
Specifies methods for determining the thickness of impregnated paper insulation, the	he tensile strength of impregnated paper and of unimpregnated

Specifies methods for determining the thickness of impregnated paper insulation, the tensile strength of impregnated paper and of unimpregnated paper, the ash content of insulating paper, the hydrogen ion concentration (pH value) and conductivity of water extracted from insulating paper and from semi-conducting paper.

Ed 2.00 A4 18p EN Gr 7 PDF 18p EN 29.060.20 Specifies methods for measuring the thickness of lead or lead alloy sheaths, measuring the thickness, pitch and depth of corrugation of corrugated seamless aluminium sheaths, and analysing lead or lead alloy sheaths. Also details the method for carrying out the belling test on lead or lead alloy sheaths and cable jointing sleeves. SANS 6281-3:2007 (SABS SM 1281-3) Test methods for impregnated paper-insulated electric cables Part 3: Tests on finished cable Ed 2.00 A4 16p EN Gr 7 PDF 16p EN 29 060 20 Specifies methods for carrying out the power-frequency voltage test, the ionization test on screened cables (measuring tan delta), the bending test, the load cycling test, the impulse voltage test, the four-hour high-voltage a.c. withstand test and the drainage test. SANS 6281-4:2007 (SABS SM 1281-4) Test methods for impregnated paper-insulated electric cables Part 4: Tests after installation Ed 2.00 A4 10p EN Gr 5 PDF 10p EN 29.060.20 Specifies methods on impregnated paper-insulated electric cables for carrying out the gualitative test for the presence of moisture in impregnated paper insulation, the phasing test, the voltage test on the cable sheath, the insulation resistance test, the conductor resistance test, the capacitance test, and the high-voltage test on the complete installation. (SABS SM 1282-1) IEC 60189-1:1986, NEQ; IEC 60227-2:1997, NEQ; TELKOM 268AD:9999, NEQ; IEC 60245-2:1994, NEQ; IEC 60055-1:1997, NEQ; IEC 60502:1994. NEQ Specifies methods for determining the conductor resistance of power cables, multi-pair telecommunication cables and cable specimens. (SABS SM 1282-2) Test methods for bare conductors and conductors of insulated electric cables Part 2: Quality of metallic coatings Gr 5 Ed 2.00 A4 8p EN PDF 8p EN 25.220.40: 29.060.20 Specifies methods for conducting the persulfate test on tinned conductors; and measuring the continuity of nickel coating, the adherence of nickel coating and the continuity of silver coating, on annealed copper conductor wire. (SABS SM 1282-3) Test methods for bare conductors and conductors of insulated electric cables Part 3: Mechanical tests Ed 2.00 A4 6p EN Gr 4 PDF 6p EN 29.060 Specifies methods for determining the elongation at break of wire, and the tensile strength and breaking force of high-tensile strength conductors, Test methods for armouring of insulated electric cables Ed 2.00 A4 10p EN Gr 5 PDF 10p EN 29.060.20 Specifies methods for determining the dimensions of round wire armour, strip armour and tape armour, the tensile strength and elongation at break of cable armouring materials, the mass of zinc coating on steel wire armour or tape armour, the uniformity of zinc coating on steel wire armour or tape armour, and the adhesion of zinc coating to steel wire armour or tape armour. SANS 6284-1:2007 (SABS SM 1284-1) Test methods for cross-linked polyethylene (XLPE) insulated electric cables Part 1: Tests on XLPE insulation Ed 2.00 A4 11p EN Gr 6 PDF 11p EN

Specifies methods for determining the thickness of XLPE insulation, the tensile strength and elongation at break of XLPE insulation before and after ageing, the dimensional stability (shrinkage test), the size of voids and contaminants, and the degree of cross-linking (hot set test).

Standards South Africa Catalogue 2013

NUM - 367

SANS 6281-2:2007 (SABS SM 1281-2)

SANS 6282-1:2007

Test methods for bare conductors and conductors of insulated electric cables Part 1: Conductor resistance

Ed 2.00	A4 5p EN	Gr 4
	PDF 5p EN	29.060.20

SANS 6282-2:2007

SANS 6282-3:2007

and for carrying out the lapping test and the twisting test on hard-drawn and high-tensile conductors.

SANS 6283:2007

(SABS SM 1283)

IEC 60502-1:1998, NEQ; IEC 60502-2:1998, NEQ; IEC 60055-1:1997, NEQ

NUMERICAL LIST OF STANDARDS

Test methods for impregnated paper-insulated electric cables Part 2: Tests on metallic sheaths

29.035.20: 29.060.20

SANS 6284-2-2012	
(SABS SM 1284-2)	
Test methods for cross-linked polyethylene (XLPE) insulated electric cables	Part 2: Tests on extruded semi-conducting screens
PDF 10p EN	Gr 5 29 045: 29 060 20
Specifies methods for determining the thickness of semi-conducting screens, the v of strippable insulation screens.	volume resistivity of semi-conducting screens, and the adhesion
Am 1(National), 2012-12-14	
SANS 6284-3:2007 (SABS SM 1284-3)	
Test methods for cross-linked polyethylene (XLPE) insulated electric cables	Part 3: Tests on finished cable
Ed 2.00 A4 14p EN PDF 14p EN	Gr 6
Charities methods for coming out the frequency voltage test and partial discharge	29.035.20; 29.060.20
voltage test. It also specifies methods for carrying out the frequency voltage test and partial discharge w measurement of the overall diameter and ovality of the cable on finished cross-link	rest, the behaving test, the load cycling test and the impulse withstand test, the voltage test on outer sheath, and the red polyethylene (XPLE) insulated cables.
SANS 6284-4:2007 (SABS SM 1284-4)	
Test methods for cross-linked polyethylene (XLPE) insulated electric cables	Part 4: Tests after installation
Ed 2.00 A4 8p EN PDE 8p EN	Gr 5
Shooifing methods for corruing out the phasing toot, the valtage toot on cable chas	29.035.20, 29.060.20
high-voltage test on the complete installation.	
SANS 6284-5:2007	
Test methods for cross-linked polyethylene (XLPE) insulated electric cables	Part 5: Ageing tests
Ed 2.00 A4 12p EN	Gr 6
PDF 12p EN	29.035.20; 29.060.20
Specifies methods for carrying out ageing tests on samples of triple-extruded core materials used and their resistance to the growth of water trees.	of an XLPE cable to demonstrate the long-term reliability of the
SANS 6286:2007 (SABS SM 1286)	
Test methods for sheathing of insulated electric cables	
Ed 2.00 A4 7p EN	Gr 5
P D = P D	29.035.20; 29.060.20
Specifies methods for the abrasion test, the corrosion spread test, the voltage with	stand test, and the sheath surface resistance test.
(SABS SM 1289)	
Impulse voltage tests on cable and accessories of rated voltage up to and inc	cluding 132 kV
Ed 2.00 A4 12p EN PDF 12p EN	Gr 6
Specifies methods for carrying out impulse voltage tests on cable, joints and termin	nations of rated voltage up to and including 132 kV.
SANS 6291:2008	
(SABS SM 1291) Partial disabarga magguramenta en newer cobleg	
Ed 2.00 A4 17p EN	Gr 7
PDF 17p EN	29.060.20
Specifies methods for carrying out the partial discharge test on power cables of co manufacture, and sample lengths as part of a type approval test.	mplete drum lengths of cable as a routine test during
SANS 6292:2006 (2012-03-23) (SABS SM 1292)	
Lime tests - Chemical analysis - Sample preparation and reagents	
Ed 1.01 A4 3p EN PDF 3p EN	Gr 3 71.040.40
Describes the method for preparing a test specimen of lime for chemical analysis. Am 1(National), 2006-08-25	

SANS 6293:2006 (2012-03-09)	
(SABS SM 1293) Lime tests - Calcium oxide content	
Ed 1.01 A4 4p EN	Gr 3
PDF 4p EN	91.100.10
Describes a method for the determination of calcium oxide in limes for soil stabiliza Am 1(National), 2006-09-08	ation and in limes for use in building.
SANS 6294:2006 (2012-03-23)	
(SABS SM 1294) Lime tests - Magnesium oxide content	
Ed 1.01 A4 3p EN	Gr 3
PDF 3p EN	91.100.10
Describes a method for the determination of magnesium oxide in limes for soil stat Am 1(National), 2006-08-25	bilization and in limes for use in building.
SANS 6295:2006 (2012-03-23)	
(SABS SM 1295) Lime tests - Carbon dioxide content	
Ed 1.01 A4 4p EN	Gr 3
PDF 4p EN	91.100.10
Describes a method for the determination of the carbon dioxide content of limes fo Am 1(National), 2006-09-22	r soil stabilization and limes for use in building.
SANS 6296:2006 (2012-06-29) (SABS SM 1296)	
Lime tests - Available lime content	
Ed 1.01 A4 4p EN PDF 4p EN	Gr 3
Describes a method for the determination of available lime in limes for soil stabiliza Am 1(National), 2006-09-08	ation, prepared in accordance with SANS 6292.
SANS 6297:2006 (2012-03-23) (SABS SM 1297)	
Lime tests - Free water content of slaked lime	
Ed 1.01 A4 4p EN	Gr 3
	91.100.10
Describes a method for the determination of free water in slaked limes for soil stab Am 1(National), 2006-11-03	niization.
SANS 6298:2006 (2012-03-23) (SABS SM 1298)	
Lime tests - Loss on ignition	C* 0
PDF 3p EN	91.100.10
Describes a method for determining the loss in mass on ignition of a test specimer and prepared in accordance with SANS 6292.	n of lime that has been sampled in accordance with SANS 824
Am 1(National), 2006-09-22	
SANS 6299:2006 (2012-03-23) (SABS SM 1299)	
Lime tests - Physical properties - Sample preparation	
PDF 2p EN	Gr 2 91.100.10
Describes a method for preparing a test specimen of lime for the physical test met Am 1(National), 2006-09-08	hods.
SANS 6300:2006 (2012-03-16)	
(SABS SM 1300)	
Lime tests - Isothermal slaking and preparation of quicklime	
PDF 3p EN	Gr 3 91.100.10
Describes a method for the slaking and preparation of quicklime (unhydrated lime) Am 1(National), 2006-09-22	•

SANS 6301:2006 (2012-06-29) (SABS SM 1301) Lime tests - Fineness	
Ed 1.02 A4 4p EN PDF 4p EN	Gr 3 91.100.10
Specifies a method for determining the fineness of a specimen of lime.Am 1(National), 2002-04-26Am 2(National), 2006-09-22	
SANS 6302:2006 (2012-03-23) (SABS SM 1302)	
Ed 1.01 A4 8p EN PDF 8p EN	Gr 5 91.100.10
Describes a method for determining the general expansion of lime. Am 1(National), 2006-11-03	
SANS 6303:2004 (2009-08-28) (SABS SM 1303)	
Depth of penetration of borate preservatives in timber	
Ed 1.01 A4 4p EN PDF 4p EN	Gr 2
Specifies a method for determining the penetration depth of borate preservati	ves in timber
Am 1(National), 2004-08-06	
SANS 6305:2006 (2012-03-23) (SABS SM 1305)	
Lime tests - Pat soundness	
Ed 1.01 A4 4p EN PDF 4p EN	Gr 3 91.100.10
Describes a method for the determination of the pat soundness of lime by me Am 1(National), 2006-09-22	eans of exposure to steam.
SANS 6306:2003 (2012-06-08) (SABS SM 1306)	
Lime tests - Autoclave expansion	
Ed 1.01 A4 7p EN PDF 7p EN	Gr 5 91 100 10
Describes a method of determining the autoclave expansion of lime. Am 1(National), 2003-06-13	011100110
SANS 6307:2006 (2012-09-28) (SABS SM 1307)	
Lime tests - Plasticity	
Ed 1.01 A4 6p EN PDF 6p EN	Gr 4 91.100.10
Specifies a method for the determination of the plasticity of lime. Am 1(National), 2006-11-03	
SANS 6308:2006 (2012-03-23) (SABS SM 1308)	
Lime tests - Sulfur trioxide content	
Ed 1.01 A4 3p EN PDF 3p EN	Gr 3
Describes a method for the determination of the sulfur trioxide content in lime	es for use in building.
SANS 6310:2005 (2011-08-15)	
(SABS SM 1310)	
Sumate content of water (turbidimetric method)	Gr 4
PDF 6p EN	13.060.50
Describes a method for determining sulfate in water in the range 4 mg/L to an	pproximately 160 mg/L of sulfate ion (

Describes a method for determining sulfate in water in the range 4 mg/L to approximately 160 mg/L of sulfate ion (SO4=). Am 1(National), 2005-08-05

SANS 6312:2009 / ISO 6312:2001	trum brake shoe assemblies
Ed 1.00 A4 16p EN	Gr 8
Specifies a method for measuring the strength of the bond connection between the	43.040.40
shoe assemblies (shear strength).	
SANS 6315:2003 (2010-08-20) Water guality - Detection and enumeration of Vibrio cholerae	
Ed 1.00 A4 14p EN	Gr 6
PDF 14p EN	07.100.20; 13.060.70
Specifies a method for the detection and enumeration of Vibrio cholerae in water.	
SANS 6316:2007 (2012-11-30) (SABS SM 1316)	
Detergents and cleaning agents - Corrosiveness to steel and aluminium	
Ed 1.01 A4 4p EN PDF 4p EN	Gr 3 71,100,40
Outlines test methods to be used in conjunction with national standards for produc cleaning agents to steel and aluminium. Am 1(National), 2007-11-09	ts under test, for the corrosive effects of detergents and other
SANS 6317:2003 (2009-06-12)	
Methods of chemical analysis of meat and fish products	
PDF 2p EN	67.120.10; 67.120.30
Specifies methods for the chemical analysis of meat and fish products.	
SANS 6318:2003 (2012-11-30) Detergents and cleaning agents - Determination of cleaning efficiency - Flat	rectangular test plates
Ed 1.00 A4 4p EN	Gr 3
PDF 4p EN	71.100.40
Specifies a test method for determining the cleaning enciency of detergents and t	the cleaning agents, using hat rectangular plates as test pieces.
SANS 6319:2003 (2012-11-30) Detergents and cleaning agents - Determination of the effect on painted surface	aces
Ed 1.00 A4 4p EN	Gr 3
PDF 4p EN	71.100.40
Specifies a method to determine the enects of detergents and cleaning agents on	painteo surfaces.
SANS 6320:2003 (2008-08-22) Textiles - Solar UV protective properties - Method of test for apparel fabrics	
Ed 1.00 A4 16p EN	Gr 7
PDF 16p EN	59.080.30
Specifies a method for the determination of the erythemally weighted ultraviolet (U original state or after prescribed pre-treatments, to assess their solar UV protective stretched or wet conditions.	 V) radiation transmittance of conditioned apparel fabrics, in their e properties. The method is suitable for fabrics under relaxed,
SANS 6321:2009	and and body weaker
Ed 1.00 A4.7p EN	Gr 5
PDF 7p EN	71.100.70
Describes a method for testing and comparing the microbial inhibition properties o	f cosmetic soap bars and liquid hand and body washes.
SANS 6356:2004 / ISO 6356:2000 (2011-12-15) Textile floor coverings - Assessment of static electrical propensity - Walking	test
Ed 1.00 A4 19p EN PDF 19p EN	Gr 9 59.080.60
Describes a method of evaluating the electrostatic propensity of all types of textile	floor coverings under controlled conditions.

SANS 6391:1997 / ISO 6391:1997 (2007-09-14) (SABS ISO 6391)

Meat and meat products - Enumeration of Escherichia coli - Colony-count technique at 44 °C using membranes

Ed 1.00 A4 15p EN PDF 15p EN

07.100.30; 67.120.10

Gr 9

23.020.30

07.100.20

Gr 7

43,120

Specifies a method for the enumeration of viable Escherichia coli present in all kinds of meat and meat products, including poultry. The method will detect Escherichia coli (biotype 1) and lactose non-fermenting or anaerogenic variants. Am 1(National), 2007-09-14

SANS 6406:2006 / ISO 6406:2005 (2011-02-11)

(SABS ISO 6406)

Gas cylinders - Seamless steel gas cylinders - Periodic inspection and testing Gr 12

Ed 2.00 A4 46p EN PDF 46p EN

Specifies the minimum requirements for periodic inspection and testing to verify the integrity of gas cylinders for further service. It applies to seamless steel transportable gas cylinders intended for compressed, liquefied or dissolved gases under pressure (excluding acetylene), of water capacity from 0,5 L up to and including 150 L.

SANS 6439:2006 / ISO 6439:1990 (2012-04-05)

Water quality - Determination of phenol index - 4-Aminoantipyrine spectrometric methods after distillation

Ed 1.00	A4 12p EN		Gr 7
	PDF 12p EN		13.060.50

Specifies two methods for determining the phenol index in drinking waters, surface waters and waste waters; by direct colorimetric method capable of measuring the phenol index in test samples that contain more than 0,10 mg/L in the aqueous phase (without chloroform extraction), using phenol as a standard; and a chloroform extraction method capable of measuring the phenol index without dilution from about 0,002 mg/L to about 0,010 mg/L when the coloured end-product is extracted and concentrated in chloroform phase, using phenol as a standard.

SANS 6446:2005 / ISO 6446:1994 (2010-04-30)

Rubber products - Bridge bearings - Specification for rubber materials			
Ed 1.00 A4 13p EN	Gr 7		
PDF 13p EN	93.040		

Specifies requirements for rubber materials used in elastomeric bridge bearings, which may be of the plain-pad or laminated type. Also specifies methods of test and describes procedures for the preparation of test pieces from finished bearings.

SANS 6461-1:2003 / ISO 6461-1:1986 (2008-10-24)

Water quality - Detection and enumeration of the spores of sulfite-reducing anaerobes (clostridia) Part 1: Method by enrichment in a liquid medium Gr 5

Ed 1.00	A4 5p EN		
	PDF 5p EN		

Specifies a method for the detection and enumeration of the spores of sulfite-reducing anaerobes (clostridia) by enrichment in a liquid medium.

SANS 6461-2:2003 / ISO 6461-2:1986 (2008-10-24)

Water quality - Detection and enumeration of the spores of sulfite-reducing a	naerobes (clostridia) Part 2: Method by membrane
filtration	
Ed 1.00 A4 5p EN	Gr 5

⊏u	1.00	А4 эр Ем		Gro
		PDF 5p EN		07.100.20

Specifies a method for the detection and enumeration of the spores of sulfite-reducing anaerobes (clostrisdia) by membrane filtration.

SANS 6469-1:2010 / ISO 6469-1:2009

Electrically propelled road vehicles - Safety specifications Part 1: On-board rechargeable energy storage system (RESS)

Ed 1.00 A4 14p EN PDF 14p EN

Specifies requirements for the on-board rechargeable energy storage systems (RESS) of electrically propelled road vehicles, including batteryelectric vehicles (BEVs), fuel-cell vehicles (FCVs) and hybrid electric vehicles (HEVs), for the protection of persons inside and outside the vehicle and the vehicle environment. It does not include flywheels and does not apply to RESS in motorcycles and vehicles not primarily intended as road vehicles, such as material handling trucks or fork-lift trucks.

SANS 6469-2:2010 / ISO 6469-2:2009

Electrically propelled road vehicles - Safety specifications Part 2: Vehicle operational safety means and protection against failures		
Ed 1.00 A4 11p EN	Gr 7	
PDF 11p EN	43.120	
Specifies requirements for operational safety means and protection against failures related to hazards specific to electrically propelled road vehicles, including battery-electric vehicles (BEVs), fuel-cell vehicles (FCVs) and hybrid electric vehicles (HEVs), for the protection of persons		

inside and outside the vehicle and the vehicle environment. It does not apply to motorcycles and vehicles not primarily intended as road vehicles, such as material handling trucks or fork-lift trucks.

Ed 1.00 A4 17p EN PDF 17p EN	Gr 8 43.120
Specifies requirements for the protection of persons against electrical hazards on cars and light commercial vehicles) when the vehicles are not connected to an ext maintenance and repair of these vehicles. Cor 1(International), 2010-09-23	exclusively battery-powered electric road vehicles (passenger ernal power supply. Does not necessarily apply to the assembly,
SANS 6471:2003 / ISO 6471:1994 (2009-07-31) Rubber, vulcanized - Determination of crystallization effects under compress	sion
Ed 1.00 A4 11p EN	Gr 7
Specifies a method for the determination of the tendency of vulcanized rubbers to measurement of the recovery of compressed test pieces. Crystallization, which oc process.	83.060 crystallize, and the time dependence of crystallization, by curs more rapidly under high compression, reduces the recovery
SANS 6504-3:2007 / ISO 6504-3:2006 (SABS ISO 6504-3) Paints and varnishes - Determination of hiding power Part 3: Determination of spreading rate	of contrast ratio of light-coloured paints at a fixed
Ed 2.00 A4 14p EN PDF 14p EN	Gr 7 87.040
Specifies methods for determining the opacity given by paint films of white or light spreading rate of 20 m2/L to an agreed black and white chart or to colourless trans	colours of tristimulus value Y greater than 25, applied at a sparent polyester foil.
SANS 6506-1:2009 / ISO 6506-1:2005 Metallic materials - Brinell bardness test Part 1: Test method	
Ed 2.00 A4 22p EN	Gr 9
PDF 22p EN	77.040.10
Specifies the method for the Brinell hardness test for metallic materials and is app	licable up to the limit of 650 HBW.
SANS 6506-2:2009 / ISO 6506-2:2005 Metallic materials - Brinell hardness test Part 2: Verification and calibration of Ed 2 00 A4 20p EN	of testing machines
PDF 20p EN	19.060; 77.040.10
Specifies a method of verification and calibration of testing machines used for deta also applicable to portable hardness testing machines.	ermining Brinell hardness in accordance with SANS 6506-1. It is
SANS 6506-3:2009 / ISO 6506-3:2005 Metallic materials - Brinell bardness test Part 3: Calibration of reference bloc	sks
Ed 2.00 A4 16p EN	Gr 8
PDF 16p EN	19.060; 77.040.10
Specifies a method for the calibration of reference blocks to be used in the indirec SANS 6506-2.	t verification of Brinell hardness testing machines as described in
SANS 6506-4:2008 / ISO 6506-4:2005	
Ed 1.00 A4 17p EN	Gr 8
PDF 17p EN	77.040.10
Gives a table of the Brinell hardness values for use in tests on flat surfaces.	
SANS 6507-1:2006 / ISO 6507-1:2005 (SABS ISO 6507-1) Metallic materials - Vickers hardness test Part 1: Test method	
Ed 3.00 A4 27p EN	Gr 10
PDF 27p EN	77.040.10
Specifies the vickers hardness test method for the three different ranges of test id	rce for metallic materials.
SANS 6507-2:2006 / ISO 6507-2:2005 (SABS ISO 6507-2)	
Metallic materials - Vickers hardness test Part 2: Verification and calibration	of testing machines
PDF 26p EN	77.040.10
Specifies a method of verification of testing machines for determining Vickers hard	dness. Describes a direct verification method for checking the

main functions of the machine, and an indirect verification method suitable for the overall checking of the machine.

NUMERICAL LIST OF STANDARDS

Electric road vehicles - Safety specifications Part 3: Protection of persons against electric hazards

SANS 6469-3:2010 / ISO 6469-3:2001

SANS 6507-3:2006 / ISO 6507-3:2005 (SABS ISO 6507-3) Metallic materials - Vickers hardness test Part 3: Calibration of reference bloc Ed 3.00 A4 14p EN PDF 14p EN	cks Gr 7
Specifies a method for the calibration of reference blocks to be used for the indirect to indentations with diagonals $>= 0,020$ mm.	t verification of Vickers hardness testing machines. Applies only
SANS 6507-4:2008 / ISO 6507-4:2005 Metallic materials - Vickers hardness test Part 4: Tables of hardness values Ed 1.00 A4 88p EN PDF 88p EN	Gr 15 77 040 10
Provides tables of Vickers hardness for use in tests made on flat surfaces.	
SANS 6508-1:2009 / ISO 6508-1:2005 Metallic materials - Rockwell hardness test Part 1: Test method (scales A,B,C Ed 2.00 A4 31p EN PDF 31p EN	C,D,E,F,G,H,K,N,T) Gr 11 77.040.10
Specifies the method for Rockwell and Rockwell superficial hardness tests for met	allic materials.
SANS 6508-2:2009 / ISO 6508-2:2005 Metallic materials - Rockwell hardness test Part 2: Verification and calibration Ed 2.00 A4 25p EN PDF 25p EN Specifies a method of verification of testing machines for determining Rockwell hard	n of testing machines (scales A,B,C,D,E,F,G,H,K,N,T) Gr 10 19.060; 77.040.10 rdness in accordance with SANS 6508-1. It is also applicable to
SANS 5502 2:2000 / ISO 5502 2:2005	
Metallic materials - Rockwell hardness test Part 3: Calibration of reference bl	ocks (scales A,B,C,D,E,F,G,H,K,N,T)
Ed 2.00 A4 19p EN PDF 19p EN	Gr 9 19.060: 77.040.10
Specifies a method for the calibration of reference blocks to be used for the indirec	st verification of Rockwell hardness testing machines.
SANS 6509:1981 / ISO 6509:1981 (2007-08-03) (SABS ISO 6509) Corrosion of metals and alloys - Determination of dezincification resistance of Ed 1.00 A4 8p EN PDF 8p EN	of brass Gr 7 77.060
Am 1(National), 2007-08-03	exposed to fresh or saline waters.
SANS 6520-1:2011 / ISO 6520-1:2007	
Ed 2.00 A4 53p EN	Gr 13
PDF 53p EN	25.160.40
Serves as the basis for a precise classification and description of weld imperferction	ons.
SANS 6520-2:2004 / ISO 6520-2:2001 (2010-06-04) Welding and allied processes - Classification of geometric imperfections in m Ed 1.00 A4 32p EN PDF 32p EN	netallic materials Part 2: Welding with pressure Gr 11 01 040 25: 25 160 40
Collects and classifies the possible imperfections in welds made with pressure, and	d specifies a uniform designation.
SANS 6524:2005 / ISO 6524:1992 (2010-04-30) Plain bearings - Thin-walled half-bearings - Checking of peripheral length	
Ed 1.00 A4 32p EN PDF 32p EN	Gr 11 21.100.10
Specifies methods of checking the measuring equipment and gauging tools necess walled half-bearings.	sary for measuring the peripheral length (or nip or crush) of thin-
SANS 6525:2005 / ISO 6525:1983 (2010-04-30)	
Ed 1.00 A4 7p EN	Gr 6
PDF ⁻ 7p EN	21.100.10
Specifies a range of thrust washers for general purpose use with wrapped bushes inside diameters from 6 to 80 \mbox{mm}	as specified in ISO 3547. Applies to thrust washers having

Standards South Africa Catalogue 2013

SANS 6526:2005 / ISO 6526:1983 (2010-04-30) Plain bearings - Pressed bimetallic half thrust washers - Features and teler	22000
Ed 1.00. A4.00 EN	
PDF 9p EN	21.100.10
Specifies the main features and lays down tolerances for pressed bimetallic half	thrust washers having an outside diameter up to 160 mm.
SANS 6579:2003 / ISO 6579:2002 (2008-09-26) (SABS ISO 6579)	
Microbiology of food and animal feeding stuffs - Horizontal method for the	detection of Salmonella spp.
Ed 2.00 A4 48p EN	Gr 12
PDF 48p EN	07.100.30
Specifies a horizontal method for the detection of Salmonella, including Salmone intended for human consumption and the feeding of animals, and to environment Cor 1(International), 2008-09-26 Am 1(International), 2008-09-26	Ila Typhi and Salmonella Paratyphi. It is applicable to products all samples in the area of food production and food handling.
SANS 6581:1980 / ISO 6581:1980 (2007-07-06) (SABS ISO 6581)	
Anodizing of aluminium and its alloys - Determination of the fastness to ult	ra-violet light of coloured anodic oxide coatings
Ed 1.00 A4 6p EN	Gr 6
PDF 6p EN	25.220.20
Specifies a comparative method for the determination of the fastness to ultra-viol Am 1(National), 2007-07-06	et light of coloured anodic oxide coatings.
SANS 6592:2003 / ISO/IEC 6592:2000 (2009-08-21)	
Information Technology - Guidelines for the documentation of computer-ba	sed application systems
Ed 1.00 A4 37p EN	Gr 11
PDF 37p EN	35.080
Gives guidelines for the documentation of information systems(ISs) and is intend systems. Some aspects of hardware, e.g. configuration of the system, are included the system of the system of the system.	led for use in that area. Is applicable to the software of information ed.
SANS 6594:2008 / ISO 6594:2006	
Cast iron drainage pipes and fittings - Spigot series	
Ed 1.00 A4 25p EN	Gr 10
PDF 25p EN	77.140.75; 91.140.80; 93.030
Specifies the characteristics of cast iron drainage pipes and fittings used for the i pipe systems, and ventilation pipe systems.	nstallations of discharge pipes for water and sewage, rain water
SANS 6630:2010 / ISO 6630:1986 Documentation - Bibliographic control characters	
Ed 1 00 A4 9n EN	Gr 6
PDF 9p EN	01,140,20: 35,240,30
Contains a set of 15 bibliographic control characters for use in cataloguing rules	filing rules and indexing rules of the countries and language
groups of the bibliographic community.	
SANS 6683:2008 / ISO 6683:2005	
Earth-moving machinery - Seat belts and seat belt anchorages - Performance	ce requirements and tests
Ed 2.00 A4 9p EN PDE an EN	Gr 6
	53.100
Establishes the minimum performance requirements and tests for restraint system earth-moving machinery, necessary to restrain an operator or rider within a roll-or over, or within a tip-over protection structure (TOPS) in the event of a machine tip	ms - seat belts and their fastening elements (anchorages) - on ver protective structure (ROPS) in the event of a machine roll- p-over.
SANS 6691:2005 / ISO 6691:2000 (2010-04-30)	
Thermoplastic polymers for plain bearings - Classification and designation	
Ed 1.00 A4 29p EN	Gr 10
PDF 29p EN	21.100.10; 83.080.20
Specifies a classification and designation system for a selection of the most com	mon unfilled thermoplastic polymers for plain bearings.
SANS 6703-1:2005 / ISO 6703-1:1984 (2011-10-21)	
Water quality - Determination of cyanide Part 1: Determination of total cyanide	ide
Ed 1.00 A4 16p EN	Gr 8
FUF 10P EN	13.060.50

Specifies three methods for the determination of total cyanide in water. The methods are applicable to water containing less than 100 mg of cyanide per litre, but higher concentrations may be determined by suitable dilution of the sample.

Gr 8

Gr 11 35.040

13.060.50

SANS 6703-2:2005 / ISO 6703-2:1984 (2011-10-21)

Water quality - Determination of cyanide Part 2: Determination of easily liberatable cyanide

Ed 1.00 A4 16p EN PDF 16p EN

Specifies three methods for the determination of easily liberatable cyanide in water. The methods are applicable to water containing less than 50 mg of easily liberatable cyanide (as cyanide ions) per litre, and less than 100 mg of total cyanide (as cyanide ions) per litre, but higher concentrations may be determined by suitable dilution of the sample.

SANS 6709:2009 / ISO 6709:2008

Standard representation of geographic point location by coordinates

Ed	1.00	A4 35p EN	
		PDF 35p EN	

Specifies the representation of coordinates, including latitude and longitude to be used in data interchange, the horizontal point location using coordinate types other than latitude and longitude as well as the representation of height and depth that can be associated with horizontal coordinates.

Cor 1(International), 2010-09-23 SANS 6731-2012 / ISO 6731-2010

	SANG 0701.2012 / 100 0701.2010			
Milk, cre	am and evaporated milk - De	termination of total solids content (Reference method)		
Ed 2.00	A4 10p EN	Gr 6		
	PDF 10p EN	67.100.10		

Specifies the reference method for the determination of the total solids content of milk, cream and evaporated milk.

SANS 6767:2012 / ISO 6767:1990

Ambient	air - Determination of the mass concentration of sulfur dioxide - Te	etrachloromercurate (TCM)/pararosaniline method
Ed 1.00	A4 15p EN	Gr 8
	PDF 15p EN	13.040.20

Specifies a spectrophotometric method, known as the tetrachloromercurate (TCM)/pararosaniline method, for the determination of the mass concentration of sulfur dioxide in ambient air.

SANS 6777:1984 / ISO 6777:1984 (2012-04-05)

(SABS ISO 6777) Water quality - Determination of nitrite - Molecular absorption spectrometric method Ed 1.00 A4 8p EN Gr 6 PDF 8p EN 13.060.50

Specifies a molecular absorption spectrometric method for the determination of nitrite in potable, raw and waste water. Am 1(National), 2006-02-03

SANS 6805:2009 / ISO 6805:1994

Rubber hoses and hose assemblies for underground mining - Wire-reinforced hydraulic types for coal mining - Specification

Ed 1.00 A4 10p EN PDF 10p EN

Specifies requirements for six types of embedded-wire hose and hose assembly of bore diameter from 5 mm to 51 mm for use with common hydraulic fluids such as mineral oils, soluble oils and water emulsions, aqueous glycol solution and water temperatures.

SANS 6814:2003 / ISO 6814:2000 (2008-12-12)

Machinery for forestry	- Mobile and self-propelle	ed machinery - Terms	, definitions and	classification
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Ed 1.00 A4 11p EN PDF 11p EN

Defines terms which are determined by the end use of the machines as intended by the manufacturer, and gives guidance on the classification of mobile forestry machines. It is applicable to machines designed for use in forestry on site preparation, planting, harvesting, processing and transporting wood and wood fibre. It is not applicable to machines designed to be used exclusively in sawmills or wood yards, on-highway transport vehicles and aerial vehicles.

SANS 6848:2007 / ISO 6848:2004 (2012-11-02)

(SABS ISO 6848)

Arc welding and cutting - Nonconsumable tungsten electrodes - Classification

Ed 2.00 A4 13p EN PDF 13p EN

Specifies requirements for classification of non-consumable tungsten electrodes for inert gas shielded arc welding, and for plasma welding, cutting and thermal spraying

Gr 6

Gr 7

Gr 7

25,160,20

01.040.65; 65.060.80

23.100.30; 23.100.40

SANS 6873:2008 / ISO 6873:1998 Dental gypsum products

Ed 1.00 A4 16p EN PDF 16p EN

Gives a classification of, and specifies requirements for, gypsum products used for dental purposes such as making oral impressions, moulds, casts or dies. It specifies the test methods to be employed to determine compliance with these requirements. It also includes requirements for the labelling of packakging and for adequate instructions to accompany each package.

SANS 6878:2006 / ISO 6878:2004 (2012-03-23)

(SABS ISO 6878)

Water quality - Determination of phosphorus - Ammonium molybdate spectrometric method

Ed 2.00 A4 28p EN PDF 28p EN

Specifies methods suitable for the determination of orthophosphates, orthophosphate after solvent extraction, hydrolysable phosphate plus orthophosphate, and total phosphorus after decomposition in all kinds of water including seawater and effluents. Phosphorus concentrations within the range of 0,005 mg/L to 0,8 mg/L may be determined in such samples.

SANS 6887-1:1999 / ISO 6887-1:1999 (2007-02-23)

(SABS ISO 6887-1)

Microbiology of food and animal feeding stuffs - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination Part 1: General rules for the preparation of the initial suspension and decimal dilutions Ed 1.00 A4 11p EN Gr 8 PDF 11p EN 07.100.30 Defines general rules for the aerobic preparation of the initial suspension and of decimal dilutions for microbiological examinations of products

intended for human or animal consumption.
Am 1(National), 2007-02-23

SANS 6887-2:2004 / ISO 6887-2:2003 (2009-11-20)

Microbiology of food and animal feeding stuffs - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination Part 2: Specific rules for the preparation of meat and meat products Ed 1.00 A4 19p EN Gr. 9

0 A4 19p EN	Gr 9
PDF 19p EN	07.100.30

Specifies rules for the preparation of meat and meat product samples and their suspension for microbiological examination. It only describes methods of preparation that are applicable to several microorganisms simultaneously. It excludes the preparations that only apply to the detection or enumeration (or both) of a single microorganism where the methods of preparation are described in the relevant International Standard concerning that microorganism.

SANS 6887-3:2004 / ISO 6887-3:2003 (2009-11-20)

Microbiology of food and animal feeding stuffs - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination Part 3: Specific rules for the preparation of fish and fishery products

Ed 1.00 A4 15p EN PDF 15p EN

Specifies rules for the preparation of fish and fishery product samples and their suspension for microbiological examination. It only describes methods of preparation that are applicable to several microorganisms simultaneously. It excludes the preparations that only apply to the detection or enumeration (or both) of a single microorganism where the methods of preparation are described in the relevant International Standard concerning that microorganism.

SANS 6887-4:2004 / ISO 6887-4:2003 (2008-10-10)

Microbiology of food and animal feeding stuffs - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination Part 4: Specific rules for the preparation of products other than milk and milk products, meat and meat products, and fish and fishery products

Ed 1.00 A4 17p EN PDF 17p EN

Specifies rules for the preparation of samples and decimal dilutions for the microbiological examination of food products. It also describes methods of preparation that are applicable to several microorganisms simultaneously.

Cor 1(International), 2008-10-10

SANS 6888-1:1999 / ISO 6888-1:1999 (2007-07-06)

(SABS ISO 6888-1)

Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) Part 1: Technique using Baird-Parker agar medium Ed 1.00 A4 16p EN Gr. 9

Ed 1.00 A4 16p EN PDF 16p EN

PDF 16p EN 07.100.30 Specifies a horizontal method for the enumeration of coagulase-positive staphylococci in products intended for human consumption or feeding of animals, by counting of colonies obtained on a solid medium (Baird-Parker medium) after aerobic incubation at 35 °C or 37 °C.

Am 1(International), 2004-10-22

13.060.45

Gr 9

Gr 8

11.060.10

Gr 8 07.100.30

Gr 8

07.100.30

(SABS ISO 6888-2)	
Microbiology of food and animal feeding stuffs - Horizontal method for the er (Staphylococcus aureus and other species) Part 2: Technique using rabbit pl	numeration of coagulase-positive staphylococci asma fibrinogen agar medium
Ed 1.00 A4 12p EN PDF 12p EN	Gr 8 07.100.30
Describes a horizontal method for the enumeration of coagulase-positive staphyloc animals by counting of colonies obtained on a solid medium (rabbit plasma fibrinos Am 1(International), 2004-10-22	cocci in products intended for human consumption or feeding of gen medium) after aerobic incubation at 35 $^\circ\!\!C$ or 37 $^\circ\!\!C.$
SANS 6888-3:2005 / ISO 6888-3:2003 (2010-04-16) Microbiology of food and animal feeding stuffs - Horizontal method for the er (Staphylococcus aureus and other species) Part 3: Detection and MPN techn	numeration of coagulase-positive staphylococci ique for low numbers
Ed 1.00 A4 18p EN PDF 18p EN	Gr 8
Specifies a horizontal method for the enumeration and detection of coagulase-positechnique. It is applicable to products intended for human consumption and the fee production and food handling.	itive staphylococci, using the most probable number (MPN) eding of animals, and environmental samples in the area of food
SANS 6891:1983 / ISO 6891:1983 (2007-05-18) (SABS ISO 6891)	
Timber structures - Joints made with mechanical fasteners - General principl characteristics	es for the determination of strength and deformation
Ed 1.00 A4 8p EN PDE 8p EN	Gr 7
Lays down general principles for the determination of the strength and deformation Am 1(National), 2007-05-18	(slip) characteristics of joints made with mechanical fasteners.
SANS 6892-1:2010 / ISO 6892-1:2009	
Ed 1.00 A4 72p EN PDF 72p EN	e Gr 14 77.040.10
Specifies the method for testing of metallic materials and defines the mechanical p	properties which can be determined at room temperature.
SANS 6927:2011 / ISO 6927:1981 Building construction - Jointing products - Sealants - Vocabulary	
Ed 1.00 A4 6p EN PDF 6p EN	Gr 5 91,100.50
Defines technical terms for sealants for building purposes and applies to joints fille preformed.	d with hardening, plastic or elastic materials which are not
SANS 6938:1984 / ISO 6938:1984 (2011-12-01) (SABS ISO 6938)	
Textiles - Natural fibres - Generic names and definitions	Cr. 6
PDF 9p EN	59.060.10
Gives the generic names and the definitions of the most important natural fibres at Am 1(National), 2006-03-17	ccording to their specific constitution or origin.
SANS 6940:2005 / ISO 6940:2004 (2010-02-26) (SABS ISO 6940)	
Textile fabrics - Burning behaviour - Determination of ease of ignition of vert	ically oriented specimens
PDF 21p EN	13.220.40; 59.080.30
Specifies a method for the measurement of ease of ignition of vertically oriented te component fabrics (coated, quilted, multi layered, sandwich constructions, and sim	extile fabrics and industrial products in the form of single or multi- ilar combinations), when subjected to a small, defined flame.
SANS 6941:2004 / ISO 6941:2003 (2009-11-27) (SABS ISO 6941)	
Textile fabrics - Burning behaviour - Measurement of flame spread properties	s of vertically oriented specimens
PDF 20p EN	Gr 9 13.220.40; 59.080.30
Specifies a method for the measurement of flame spread properties of vertically or	iented textile fabrics intended for apparel, curtains and draperies

Specifies a method for the measurement of flame spread properties of vertically oriented textile fabrics intended for apparel, curtains and draperies in the form of single-component or multi-component (coated, quilted, multilayered, sandwich construction and similar combinations) fabrics. This method should be used solely to assess the properties of materials or systems in response to heat flame under controlled laboratory conditions. Results might not apply to situations where there is restricted air supply or prolonged exposure to heat, as in a conflagration.

NUMERICAL LIST OF STANDARDS

SANS 6888-2:1999 / ISO 6888-2:1999 (2007-07-06)

Gives the method of calculation of the thermal resistance and thermal transmittance of building components and building elements, excluding

Building components and building elements - Thermal resistance and thermal transmittance - Calculation method

(SABS ISO 6947) Welds - Working positions - Definitions of angles of slope and rotation Ed 1.00 A4 13p EN Gr 7 PDF 13p EN 25.160.40

doors, windows and other glazed units and components through which air is designed to permeate.

Defines working positions and makes it possible to locate welds in space with reference to the horizontal reference plane (usually parallel to the workshop floor) by means of angles of slope and rotation which are independent from surrounding construction.

SANS 6971:2006 / ISO 6971:2002

SANS 6946:2007 / ISO 6946:1996 (2012-11-23)

SANS 6947:1990 / ISO 6947:1990 (2011-02-18)

Ed 1.00 A4 30p EN

PDF 30p EN

Am 1(International), 2007-05-18

Cranked-link drag chains of welded construction, attachments and sprockets				
Ed 1.00	A4 19p EN		Gr 9	
	PDF 19p EN		21,220,30	

Specifies the characteristics of cranked-link drag chains of welded construction suitable for conveying bulk materials, together with associated attachments and chain sprockets. The chain dimensions specified ensure interchangeability of both complete chains and individual links for repair purposes. This standard is applicable to sprockets with between 5 and 20 teeth. Specifications are also given for five types of attachment for use with the conveyor chains conforming to this Standard.

SANS 6972:2006 / ISO 6972:2002

Cranked-link mill chains of welded construction, attachments and sprockets

Ed 1.00	A4 23p EN	Gr 10
	PDF 23p EN	21.220.30

Specifies the characteristics of cranked-link mill chains of welded construction suitable for conveying bulk materials, together with associated attachments and chain sprockets. The chain dimensions specified in this standard ensure interchangeability of both complete chains and individual links for repair purposes. This standard is applicable to sprockets with between 5 and 36 teeth. Specifications are also given for eight types of attachment for use with the conveyor chains conforming to this standard.

SANS 6973:2006 / ISO 6973:1986

Drop-forged rivetless chains for conveyors

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Ed 1.00	A4 7p EN		Gr 6
	PDF 7p EN		53.040.20

American National standard, ANSI B2922M, deals with three types of rivetless chain, i.e. "regular", "X" and "modified X" types. This standard deals with chains similar to the "X" type with an assured dimension on the centre link similar to the "modified X" type. The chains specified in this standard are intended to be used in place of all three types of ANSI chains. By adhering to the dimensions specified in this standard, it is possible to ensure that parts of chains of different origins can be joined together. It should be noted, however, that the pin should be of the same origin as the side bars. It is recognized that methods other than "drop"-forging may be used to manufacture these chains, e.g. air, steam, press or other forging methods.

SANS	6988:1985	/ ISO	6988:1985	(2007-08-24)

(SABS ISO 6988)

Metallic and other non-organic coatings - Sulfur dioxide test with general condensation of moisture

Ed 1.00	A4 9p EN	Gr 7
	PDF 9p EN	25.220.40

Specifies a method for assessing the resistance of materials or products to condensed moisture containing sulfur dioxide. Suitable for testing metallic and non-organic coatings.

Am 1(National), 2007-08-24

SANS 6993:2004 / ISO 6993:2001 (2009-07-31)

Buried, high-impact poly(vinyl chloride) (PVC-HI) pipes for the supply of gaseous fuels - Specifications Gr 10

Ed 1.00 A4 23p EN PDF 23p EN

Specifies the requirements for pipes made of high-impact poly(vinyl chloride) (PVC-HI) intended to be used for the supply of gaseous fuels through buried pipelines with an operating temperature range of 0 °C to 30 °C and a maximum operating pressure of 1 bar.

SANS 7001:2008 / ISO 7001:2007

Graphical symbols - Public information symbols

Ed 1.00	A4 65p EN	Gr 14
	PDF 65p EN	01.080.10

Specifies graphical symbols for the purposes of public information. It is generally applicable to public information symbols in all locations and all sectors where the public has access.

NUMERICAL LIST OF STANDARDS

Gr 10 91.120.10

23.040.20

Standards South Africa Catalogue 2013 NUM - 380

Specifies requirements for circular steel flanges.	
SANS 7005-2:2010 / ISO 7005-2:1988	
Metallic flanges Part 2: Cast iron flanges	
Ed 1.00 A4 39p EN PDF 39p EN	Gr 11 23.040.60
Specifies requirements for circular grey, mallable and ductile cast iron	n flanges.
SANS 7064:2009 / ISO/IEC 7064:2003	svetome
Ed 1.00 A4.20p EN	Gr Q
PDF 20p EN	35.040
Specifies a set of check character systems capable of protecting strir may be of fixed or variable length and may have character sets which alphanumeric (letters and digits). Specifies conformance requirement using the systems given in this International Standard	ngs against errors which occur when people copy or type data. The strings in are numeric (10 digits: 0 to 9); alphabetic (26 letters: A to Z); and its for products described as generating check characters or checking strings
SANS 7146:2005 / ISO 7146:1993	
Plain bearings - Terms, characteristics and causes of damage ar	to changes in appearance
Ed 1.00 A4 /8p EN	Gr 14
	21.100.10
Defines, describes and classifies the characteristics and causes of da lubricated plain bearings and journals.	amage and changes in appearance occurring in service in hydrodynamically
SANS 7146-1:2010 / ISO 7146-1:2008	
Plain bearings - Appearance and characterization of damage to r	netallic hydrodynamic bearings Part 1: General
Ed 1.00 A4 58p EN	Gr 15
PDF 58p EN	21.100.10
Defines, describes and classifies the characteristics of damage occur journals. It assists in the understanding of the various characteristic f	rring in service to hydrodynamically lubricated metallic plain bearings and orms of damage which may occur.
SANS 7146-2:2013 / ISO 7146-2:2008	
Plain bearings - Appearance and characterization of damage to r countermeasures	netallic hydrodynamic bearings Part 2: Cavitation erosion and its
Ed 1.00 A4 25p EN	Gr 10
PDF 25p EN	21.100.10
Defines, describes and classifies the characteristics of damage occur cavitation erosion, together with possible countermeasures. It assists occur.	rring in service in hydrodynamically lubricated metallic plain bearings due to in understanding the various characteristic forms of damage which may
SANS 7148-2:2005 / ISO 7148-2:1999 (2010-04-30)	
Plain bearings - Testing of the tribological behaviour of bearing	materials Part 2: Testing of polymer-based bearing materials
Ed 1.00 A4 24p EN	Gr 10
PDF 24p EN	21.100.10

Specifies tribological tests of polymer-based plain bearing materials under specified working conditions, i.e. load, sliding velocity and temperature, with and without lubrication.

SANS 7176-1:2010 / ISO 7176-1:1999

Wheelchairs	Part 1:	Determination	of static stability
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		-	
Ed 1.00	A4 21p EN		Gr 9
	PDF 21p EN		11.180.10

Specifies the test methods for determining the static tipping stability of wheelchairs, including scooters. Applies to wheelchairs and vehicles that are included in the 12.21 series described in ISO 9999 and that are intended to provide indoor and outdoor mobility for people with disabilities whose mass does not exceed the maximum mass of the test dummy.

SANS 7176-3:2010 / ISO 7176-3:2003 -of offootiv Wheelchairs Part 3: Determination

Wheelch	airs Part 3: Determination of effectiveness of brakes	
Ed 1.00	A4 19p EN PDF 19p EN	Gr 9 11.180.10

Specifies test methods for the measurement of the effectiveness of brakes of manual wheelchairs and electrically powered wheelchairs, including scooters, intended to carry one person, with a maximum speed not exceeding 15 km/h. Also specifies disclosure requirements for the manufacturer.

NUMERICAL LIST OF STANDARDS

Gr 15

23.040.60

SANS 7005-1:2010 / ISO 7005-1:1992 Metallic flanges Part 1: Steel flanges

Ed 1.00 A4 88p EN PDF 88p EN a fau alua dau ata al fi

Gr 15

11.180.10

SANS 7176-5:2010 / ISO 7176-5:2008

Wheelchairs Part 5: Determination of dimensions, mass and manoeuvring space

Ξd	1.00	A4 88p EN	
		PDF 88p EN	

Specifies methods for the determination of wheelchair dimensions and mass. Includes specific methods for the determination of outside dimensions when the wheelchair is occupied by a reference occupant and the required manoeuvring space needed for wheelchair manoeuvres commonly carried out in daily life.

SANS 7176-7:2010 / ISO 7176-7:1998

Wheelchairs Part 7: Measurement of seating and wheel dimensions

Ed 1.00	A4 54p EN	Gr 13
	PDF 54p EN	11.180.10

Specifies a method for measuring the seating and wheel dimensions of wheelchairs. Applicable to wheelchairs and vehicles intended to provide indoor and outdoor mobility at speed up to 15 km/h for people with disabilities whose mass does not exceed 120 kg. Does not apply to wheelchairs with a seat width of less than 212 mm. Does not specify nominal seating and wheel dimensions for wheelchairs.

SANS 7176-8:2010 / ISO 7176-8:1998

Wheelchairs Part 8: Requirements and test methods for static, impact and fatigue strengths Ed 1.00 A4 63p EN

1.00	A4 63p EN	Gr 14
	PDF 63p EN	11.180.10

Specifies requirements for static, impact and fatigue strength of wheelchairs including scooters intended for users whose mass does not exceed 100 kg. Specifies the test methods for determining whether the requirements have been met. Also specifies requirements for disclosure of the test results. Applies to occupant- and attendant-propelled manual wheelchairs and electrically powered wheelchairs intended to provide indoor and outdoor mobility for people with disabilities. For electrically powered wheelchairs, it applies to those with a maximum speed of not more than 15 km/h where not more than two wheels are driven and which have three or more wheels located on two parallel, transverse axes.

SANS 7176-11:2010 / ISO 7176-11:1992

wneeicr	airs Part 11: Te	st dummies	5				
Ed 1.00	A4 15p EN					Gr 8	
	PDF 15p EN					11.18	0.10

Specifies the construction of test dummies with nominal masses of 25 kg, 50 kg, 75 kg and 100 kg. The test dummies are so designed that their centres of gravity with respect to a wheelchair under test are located at approximately the same positions as those of an average human being of the same mass seated in the wheelchair.

SANS 7176-15:2010 / ISO 7176-15:1996

Wheelchairs Part 15: Requirements for information disclosure, documentation and labelling

Ed 1.00	A4 15p EN	Gr 8
	PDF 15p EN	11.180.10

Specifies the information, documentation and labelling to be supplied with a wheelchair or provided in the presale specification sheets by the manufacturer.

SANS 7176-22:2010 / ISO 7176-22:2000

Wheelch	Nheelchairs Part 22: Set-up procedures				
Ed 1.00	A4 19p EN	Gr 9			
	PDF 19p EN	11.180.10			

Specifies a set-up procedure to be used in the preparation of adjustable wheelchairs for testing. Gives methods to be used where there are no manufacturers' instructions for setting the wheelchair adjustments. Applies to manual wheelchairs and electric wheelchairs (including scooters) intended to provide indoor or outdoor mobility (or both).

SANS 7202:2012 / ISO 7202:2012

Fire protection - Fire extinguishing media - Powder

Ed 1.00	A4 30p EN	Gr 10	
	PDF 30p EN	13.220.	10

Specifies requirements for the chemical and physical properties, and for minimum performance in defined test methods, of fire extinguishing powders suitable for use against fires of classes A, B, C and D. Requirements are also given for the information and data to be declared by the manufacturer.

SANS 7203-1:2007 / ISO 7203-1:1995

Fire extinguishing media - Foam concentrates Part 1: Specification for low expansion foam concentrates for top application to waterimmiscible liquids

Ed 1.00	A4 32p EN	Gr 11
	PDF 32p EN	13.220.10

Specifies essential properties and performance of liquid foam concentrates used to make low expansion foams for the control, extinction and inhibition of re-ignition of fires of water-immiscible liquids. Also specifies minimum performance on certain test fires.

Fire extinguishing media - Foam concentrates Part 2: Specification for medium and high expansion foam concentrates for top application to water-immiscible liquids Ed 1.00 A4 33p EN Gr 11 PDF 33p EN 13.220.10 Specifies essential properties and performance of liquid foam concentrates used to make medium or high (or both) expansion foams for the control, extinction and inhibition of re-ignition of fires of water-immiscible liquids. Also specifies minimum performance on certain test fires. SANS 7203-3:2007 / ISO 7203-3:1999 Fire extinguishing media - Foam concentrates Part 3: Specification for low expansion foam concentrates for top application to watermiscible liquids Ed 1.00 A4 24p EN Gr 10 PDF 24p EN 13.220.10 Applies to low expansion foam concentrates which conform to ISO 7203-1 (published in South Africa as an identical adoption under the designation SANS 7203-1). Specifies additional requirements to assess their suitability for use on water-miscible fuels. SANS 7211-2:1984 / ISO 7211-2:1984 (2012-03-30) (SABS ISO 7211-2) Textiles - Woven fabrics - Construction - Methods of analysis Part 2: Determination of number of threads per unit length Ed 1.00 A4 9p EN Gr 6 PDF 9p EN 59.080.30 Specifies three methods for the determination of the number of threads per centimetre in woven fabrics. Am 1(National), 2006-04-07 SANS 7211-3:1984 / ISO 7211-3:1984 (2012-03-30) (SABS ISO 7211-3) Textiles - Woven fabrics - Construction - Methods of analysis Part 3: Determination of crimp of yarn in fabric Ed 1.00 A4 6p EN Gr 5 PDF 6p EN 59.080.30 Specifies a method for the determination of crimp of yarn in fabric. It is applicable to most woven fabrics but is unsuitable for fabrics manufactured in such a way as to render removal of the crimp from the yarns impossible or impractical under the specified straightening tension. Am 1(National), 2006-04-07 SANS 7211-4:1984 / ISO 7211-4:1984 (2012-03-30) (SABS ISO 7211-4) Textiles - Woven fabrics - Construction - Methods of analysis Part 4: Determination of twist in yarn removed from fabric Ed 1.00 A4 5p EN Gr 5 PDF 5p EN 59.080.30 Specifies a method for the determination of twist in yarns removed from woven fabrics. It is only applicable to yarns spun on conventional systems. Am 1(National), 2006-04-07 SANS 7211-5:1984 / ISO 7211-5:1984 (2012-03-30) (SABS ISO 7211-5) Textiles - Woven fabrics - Construction - Methods of analysis Part 5: Determination of linear density of yarn removed from fabric Ed 1.00 A4 7p EN Gr 6 PDF 7p EN 59.080.30 Specifies methods for the determination of linear density of yarn removed from fabric. It relates to yarns of nominally uniform linear density. It describes the method of removing threads from fabric and specifies the number of threads whose straightened length is to be determined and the methods of determining the mass of all the threads. Am 1(National), 2006-05-19 SANS 7214:2010 / ISO 7214:2007 Cellular plastics - Polyethylene - Methods of test Ed 1.00 A4 16p EN Gr 8 PDF 16p EN 83.100 Specifies methods for testing flexible and semi-rigid cellular plastics made from polyethylene. May also be used to test cellular plastics containing copolymers of ethylene or blends of polymers with polyethylene provided these materials have characteristics similar to polyethylene as described in ISO 1872-1, or copolymers of ethylene as described in ISO 4613-1.

SANS 7218:2008 / ISO 7218:2007 (SABS ISO 7218)

SANS 7203-2:2007 / ISO 7203-2:1995

Microbiol	logy of food a	nd animal feeding stuffs - General requirements and guidance for microbiological examinations
Ed 2.00	A4 73p EN	Gr 14

d 2.00	A4 73p EN	Gr 14
	PDF 73p EN	07.100.30

Gives general requirements and guidance for three main uses - implementation of standards for detection or enumeration of microorganisms; good laboratory practice for microbiological laboratories; and guidance for accreditation of food microbiological laboratories. It covers examination for bacterial yeasts and moulds. It does not cover the examination for toxins or other metabolites from microorganisms.

Standards South Africa Catalogue 2013 NUM - 382
Standards South Africa Catalogue 2013 NUM - 383

SANS 7296-1:2007 / ISO 7296-1:1991 (2009-06-05)

Cranes - Graphic symbols Part 1: General

Ed 1.00 A4 15p EN Gr 8 PDF 15p EN

Establishes general graphic symbols for use on the controls of cranes and indicates colour for control buttons and signal lamps. Am 1(International), 2009-06-05

SANS 7296-3:2007 / ISO 7296-3:2006 (2013-02-22)

Cranes - Graphical symbols Part 3: Tower cranes

Paints and varnishes - Determination of resistance to neutral salt spray (fog) Gr 9

PDF 16p EN 87 040 Deals with the sampling and testing of paints, varnishes and related products. Describes a method for determining the resistance of coatings to neutral salt spray (fog) in accordance with the requirements of coating or product specifications.

Am 1(National), 2005-07-22

Ed 1.00 A4 11p EN

PDF 11p EN

SANS 7286:1986 / ISO 7286:1986 (2012-11-02)

Graphical	symbols for	resistance	we

Ed 1.00 A4 21p EN

PDF 21p EN

elding equipment

01.080.20; 25.160.30 Covers graphical symbols which are placed on resistance welding equipment in order to instruct the persons handling the equipment as to its use

and operation. Am 1(National), 2006-09-15

consumption and the feeding of animals, and environmental samples in the area of food production and food handling. SANS 7253:1996 / ISO 7253:1996 (2011-03-31) (SABS ISO 7253)

SANS 7251:2005 / ISO 7251:2005 (2010-04-16)

coli - Most probable number technique

PDF 20p EN

SANS 7240-16:2008 / ISO 7240-16:2007

PDF 56p FN

Ed 1.00 A4 56p EN

(SABS ISO 7251)

Ed 2.00 A4 20p EN

Ed 2.00 A4 16p EN

primarily intended to broadcast information for the protection of lives within one or more specified areas in an emergecy, to effect a rapid and orderly mobilization of occupants in an indoor or outdoor area. This includes systems using loudspeakers to broadcast voice announcements for emergency purposes, alert signals complying with ISO 7731, and evacuate signals complying with ISO 8201

SANS 7240-19:2008 / ISO 7240-19:2007

Fire detection and alarm systems Part 19: Design, installation, commissioning and service of sound systems for emergency

purposes Ed 1.00 A4 42p EN Gr 12

Fire detection and alarm systems Part 16: Sound system control and indicating equipment

PDF 42p EN 13.220.20

Specifies the design, installation, commissionning and service requirements for a sound system for emergency purposes (s.s.e.p.; see ISO 7240-1:2005, Figure 1, item C), which is primarily intended to broadcast information for the protection of lives within one or more specified indoor or outdoor areas during an emergency. The s.s.e.p. is intended to initiate a rapid and orderly mobilization of accupants in an emergency by including systems using loudspeakers to broadcast voice announcements for emergency purposes, aler signals coplying with ISO 7731 (where applicable) and evacuation signals complying with ISO 8201. In some cases, sound systems are used in preference to sounders or bells in order to broadcast a range of coded warnings that is difficult to communicate with sounders or bells.

NUMERICAL LIST OF STANDARDS

Gr 7

01.080.30; 53.020.20

Gr 9

01.080.20; 53.020.20

Establishes graphical symbols for use on operator controls and other displays on tower cranes as defined in ISO 4306-3 (published in South Africa as an identical adoption under the designation SANS 4306-3).

Gr 9 07.100.30

13.220.20 Specifies the requirements, test methods and performance criteria for sound system control and indicating equipment (s.s.c.i.e.) for use in buildings and structures as part of a sound system for emergency purposes (s.s.e.p.) (item C of Figure 2 in ISO 7240-1:2005). The s.sc.i.e. is

Gr 13

Microbiology of food and animal feeding stuffs - Horizontal method for the detection and enumeration of presumptive Escherichia

Gives general guidelines for the detection and enumeration of presumptive Escherichia coli by means of the liquid-medium culture technique and calculation of the most probable number (MPN) after incubation at 37 °C, then at 44 °C. It is applicable to products intended for human

SANS 7363:2002 / ISO 7363:1986 (2008-07-18)

Cranes and lifting appliances - Technical characteristics and acceptance documents Gr 7

Ed 1.00 A4 15p EN PDF 15p EN

Establishes the form of presentaton and content of the documents which a manufacturer should provide with cranes and lifting appliances (hereafter called "equipment").

SANS 7387-1:2010 / ISO 7387-1:1983

Adhesives with solvents for assembly of u PVC pipe elements - Characterization Part 1: Basic test methods

Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	23.040.20

Specifies the basic test methods for adhesives with solvents for the assembly of u PVC pipe elements for characterization purposes.

SANS 7393-1:2005 / ISO 7393-1:1985 (2012-03-09)

Water quality - Determination of free chlorine and total chlorine Part 1: Titrimetric method using N,N-diethyl-1,4-phenylenediamine Ed 1.00 A4 11p EN Gr 7 PDF 11p EN 13.060.50

Specifies a titrimetric method for the determination of free chlorine and total chlorine in water. It is applicable to concentrations, in terms of chlorine (Cl2), from 0,0004 mmol/L to 0,07 mmol/L (0,03 mg/L to 5 mg/L) total chlorine and at higher concentrations by dilution of samples. Cor 1(International), 2005-11-21

SANS 7393-2:2005 / ISO 7393-2:1985 (2011-12-01)

Water quality - Determination of free chlorine and total chlorine Part 2: Colorimetric method using N,N-diethyl-1,4-phenylenediamine, for routine control purposes

Ed 1.00 A4 11p EN PDF 11p EN

Specifies a method for the determination of free chlorine and total chlorine in water, readily applicable to field testing; based on measurement of the colour intensity by visual comparison of the colour with a scale of standards which is regularly calibrated. It is applicable to concentrations, in terms of chlorine (Cl2), from 0,0004 mmol/L to 0,07 mmol/L (0,03 mg/L to 5 mg/L) total chlorine and at higher concentrations by dilution of samples.

SANS 7393-3:2005 / ISO 7393-3:1990 (2011-12-01)

Water quality - Determination of free chlorine and total chlorine Part 3: lodometric titration method for the determination of total chlorine			
Ed 1.00	A4 12p EN	Gr 7	
	PDF 12p EN	13 060 50	

Specifies an iodometric titration method for the determination of total chlorine in water. It is applicable to concentrations, in terms of chlorine (Cl2), from 0,01 mmol/L to 0,21 mmol/L (0,71 mg/L to 15 mg/L).

SANS 7396-1:2009

Medical gas pipeline systems Part 1: Pipeline systems for compressed medical gases and vacuum

Ed 1.00	A4 150p EN	Gr 17
	PDF 150p EN	11.040.10

ISO 7396-1:2007, MOD

Specifies requirements for design, installation, function, performance, documentation, testing and commisioning of pipeline systems for compressed medical gases, gases for driving surgical tools and vacuum in healthcare facilities to ensure continuous delivery of the correct gas and the provision of vacuum from the pipeline system. Includes requirements for supply systems, pipeline distribution systems, control systems monitoring and alarm systems and non-interchangeability between components of different gas systems.

SANS 7396-2:2008 / ISO 7396-2:2007

Medical gas pipeline systems Part 2: Anaesthetic gas scavenging disposal systems

Ed 1.00 A4 52p EN Gr 13 PDF 52p EN 11.040.10

Specifies requirements for design, installation, function, performance, documentation, testing and commisioning of anaesthetic gas scavenging disposal systems to ensure patient safety and to minimize exposure of the operator and other persons to anaesthetic gases and vapours. Includes requirements for the power device, pipeline system, performance, non-interchangeability between key components and avoidance of cross connections between anaesthetic gas scavenging (AGS) disposal systems and medical gas and vacuum pipeline systems.

SANS 7404-1:1994 / ISO 7404-1:1994 (2007-09-21)

(SABS ISO 7404-1)

Methods for the petrographic analysis of bituminous coal and anthracite Part 1: Vocabulary Gr 7

Ed 1.00 A4 11p EN PDF 11p EN

Defines terms that are used in connection both with maceral and microlithotype analyses carried out in white light and with the determination of the reflectance of vitrinite. Applies to the terms used in the examination of bituminous coal and anthracite only. Am 1(National), 2007-09-21

Gr 7 13.060.50

53.020.01

13.060.50

01.040.73; 73.040

SANS 7404-2:1985 / ISO 7404-2:1985 (2007-09-28)	
(SABS ISO 7404-2)	t 0. Mathed of granaving and complete
Ed 1.00. A4 13b EN	Gr 7
PDF 13p EN	73.040: 75.160.10
Specifies a method for preparing a polished particulate block from a sample of cru	shed coal, for analysis by reflectance microscopy using white
light.	
Am 1(National), 2007-09-28	
SANS 7404-3:1994 / ISO 7404-3:1994 (2007-09-28) (SARS ISO 7404-3)	
Methods for the petrographic analysis of bituminous coal and anthracite Par	t 3: Method of determining maceral group composition
Ed 1.00 A4 11p EN	Gr 8
PDF 11p EN	75.160.10
Specifies a method of determining the proportions of the maceral groups (and the determinations made on polished particulate blocks using reflected white light. Am 1(National), 2007-09-28	minerals if desired) in coals. Is concerned only with
SANS 7404-5:1994 / ISO 7404-5:1994 (2007-10-05)	
Methods for the petrographic analysis of bituminous coal and anthracite Par	t 5: Method of determining microscopically the
reflectance of vitrinite	
Ed 1.00 A4 18p EN	Gr 9
PDF 18p EN	75.160.10
Specifies the method for determining microscopically the maximum and random recoals. Applies to either coals from single seams or to coal blends covering the who Am 1(National), 2007-10-05	eflectance in oil of polished surfaces of the vitrinite component of ole range of bituminous coal and anthracite.
SANS 7438:2009 / ISO 7438:2005	
Metallic materials - Bend test	
Ed 2.00 A4 13p EN	Gr 7
PDF 13p EN	77.040.10
Specifies a method for determining the ability of metallic materials to undergo plas metallic products as specified in the relevant product standard. It is not applicable or welded joints, for which other standards exist.	stics deformation in bending. Applies to test pieces taken from to certain materials or products, for example tubes in full section
SANS 7439:2009 / ISO 7439:2002	
Copper-bearing intra-uterine contraceptive devices - Requirements, tests	
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	11.200
Applies to single-use copper-bearing intra-uterine contraceptive devices and their	insertion instruments.
SANS 7483:2010 / ISO 7483:1991	
Dimensions of gaskets for use with flanges to ISO 7005	
Ed 1.00 A4 44p EN PDF 44p EN	Gr 12
Specifies the dimensions of gaskets for use in conjunction with flanges. Cor 1(International), 2010-03-19	23.040.00
SANS 7500-1-2000 / ISO 7500-1-2004	
Metallic materials - Verification of static uniaxial testing machines Part 1: Tel calibration of the force-measuring system	nsion/compression testing machines - Verification and
Ed 1.00 A4 22p EN PDF 22p EN	Gr 9 77.040.10
Specifies the verification of tension/compression testing machines. Cor 1(International), 2009-11-06	
SANS 7500-2:2009 / ISO 7500-2:2006 Metallic materials - Verification of static uniaxial testing machines Part 2: Ter force	nsion creep testing machines - Verification of the applied
Ed 1.00 A4 22p EN	Gr 9
PDF 22p EN	77.040.10

Specifies the verification of testing machines used for uniaxial creep testing in tension in accordance with ISO 204. It also applies to dead-weight machines, lever-type creep testing machines and direct-spring-loading machines.

SANS 7531:1987 / ISO 7531:1987 (2010-12-09) (SABS ISO 7531) Wire rope slings for general purposes - Characteristics and specifications Ed 1.00 A4 8p EN	Gr 6
	53.020.30
assemblies. Am 1(National) 1999-07-09 Am 2(National) 2001-12-07	g, the working load limit, and the manufacture of slings and sling
	Am 5(National), 2005-07-15
SANS 7587:1986 / ISO 7587:1986 (2006-12-15) (SABS ISO 7587)	
Electroplated coatings of tin-lead alloys - Specification and test methods	
Ed 1.00 A4 15p EN PDF 15p EN	Gr 9 25.220.40
Specifies requirements for electroplated coatings of tin-lead alloy containing betwee alloys of other compositions but the properties of such coatings may be different fr for use on fabricated metal articles and on printed circuit boards. Am 1(National), 2006-12-15	en 50% (m/m) and 70% (m/m) of tin. May be used for tin-lead om those of the alloy range quoted. The coatings are intended
SANS 7592:1983 / ISO 7592:1983 (2012-12-14) (SABS ISO 7592)	
Calibrated round steel link lifting chains - Guidelines to proper use and main	tenance
Ed 1.00 A4 7p EN PDF 7p EN	Gr 6 53.020.30
Specifies the main principles for the use, inspection, in-service testing and mainten wheels. The principal applications include manual and power driven hoists. Am 1(National), 2006-08-04	nance of calibrated round steel link chains operating over chain
SANS 7593:1986 / ISO 7593:1986 (2010-12-09)	
(SABS ISO 7593)	
Chain slings assembled by methods other than welding - Grade T(8)	
Ed 1.00 A4 18p EN PDF 18p EN	Gr 8 21.220.30
Specifies the requirements, method of rating and testing of single-, two-, three- and welding, using grade T(8) chain, together with the appropriate range of component Am 1(National), 1999-02-26 Am 2(National), 2005-09-02	d four-branch/leg chain slings assembled by methods other than s.
SANS 7619:2003 / ISO 7619:1997 (2009-03-20) Bubber - Determination of indentation hardness by means of pocket hardness	s meters
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	83.060
Specifies a method for the determination of the indentation hardness of rubber by and a meter calibrated in IRHD. Two types of Shore-type durometer are described range and type D for rubbers in the high hardness range.	means of pocket hardness meters of the Shore-type durometer : durometer type A is used for rubbers in the normal hardness
SANS 7619-1:2009 / ISO 7619-1:2004	
Rubber, vulcanized or thermoplastic - Determination of indentation hardness	Part 1: Durometer method (Shore hardness)
PDF 15p EN	83.060
Specifies a method for determining the indentation hardness (Shore hardness) of Am 1(International), 2009-11-13	ulcanized or thermoplastic rubber using durometers.
SANS 7619-2:2009 / ISO 7619-2:2004	
Rubber, vulcanized or thermoplastic - Determination of indentation hardness	Part 2: IRHD pocket meter method
Ed 1.00 A4 12p EN PDF 12p EN	Gr 7 82.060
Specifies a method for determining the indentation hardness of vulcanized or therr in IRHD.	noplastic rubber by means of a pocket hardness meter calibrated
SANS 7629-1:2010 / BS 7629-1:2008	
Electric cables - Specification for 300/500 V fire resistant screened cables ha affected by fire Part 1: Multicore and multipair cables	ving low emission of smoke and corrosive gases when
Ed 1.00 A4 30p EN	Gr 10
Specifice requirements and test methods for the construction and performance of	13.220.33, 23.000.20
300/500 V, provide resistance to fire (circuit integrity), including with mechanical st test or test, emit limited amounts of smoke and corrosive gases as measured by s lighting, fire detection and fire alarm system circuits.	nock and with water as measured by performance in a standard tandard tests and are primarily intented for use in emergency

Standards South Africa Catalogue 2013

NUMERICAL LIST OF STANDARDS

SANS 7675:2004 / ISO 7675:2003 (2009-07-31) Plastics piping systems for soil and waste discharge (low and high temperat (PVC-C)	ure) inside buildings - Chlorinated poly(vinyl chloride)	
Ed 1.00 A4 37p EN PDF 37p EN	Gr 11 83.140.30; 91.140.80	
Specifies the requirements for chlorinated poly(vinyl chloride) (PVC-C) pipes and finside buildings, as well as the system itself. It does not include buried pipework.	ittings for soil and waste discharge (low and high temperature)	
SANS 7682:2006 / ISO 7682:2003 (2012-07-06) Plastics piping systems for soil and waste discharge (low and high temperat	ure) inside buildings - Acrylonitrile-butadiene-styrene	
Ed 1.00 A4 37p EN PDF 37p EN	Gr 11 23.040.20; 91.140.80	
Specifies the requirements for solid-wall acrylonitrile-butadiene-styrene (ABS) pipe temperature) above ground inside buildings, as well as the system itself. It does not	es and fittings for soil and waste discharge (low and high ot include buried pipework.	
SANS 7686:2010 / ISO 7686:2005 Plastics pipes and fittings - Determination of opacity Ed 1.00 A4 9p EN	Gr 6	
Specifies a method for the determination of the opacity of plastics pipes and fitting	23.040.20; 23.040.45 s.	
SANS 7724-1:1984 / ISO 7724-1:1984 (2012-03-02) (SABS ISO 7724-1) Paints and varnishes - Colorimetry Part 1: Principles Ed 1.00 A4 10p EN PDF 10p EN	Gr 6	
Describes the colorimetric terms and fundamental requirements necessary for determaterials. Am 1(National), 2006-07-21	ermining the colour co-ordinates of paint films and related	
SANS 7724-2:1984 / ISO 7724-2:1984 (2012-03-02) (SABS ISO 7724-2)		
Paints and varnishes - Colorimetry Part 2: Colour measurement		
Ed 1.00 A4 11p EN PDF 11p EN	Gr 7 87.040	
Describes the method for determining the colour co-ordinates of paint films. Applie monochromatic, when examined with normal vision. Am 1(National), 2006-09-22	es to paint films that appear to be uniformly of one colour, i.e.	
SANS 7724-3:1984 / ISO 7724-3:1984 (2012-03-02) (SABS ISO 7724-3)		
Paints and varnishes - Colorimetry Part 3: Calculation of colour differences		
PDF 8p EN	17.180.20	
Describes a method for the quantitative colorimetric evaluation of small colour diffe Am 1(National), 2006-09-22	erences between paint films.	
SANS 7743:2003 / ISO 7743:1989 (2009-03-20) Rubber, vulcanized or thermoplastic - Determination of compression stress-	strain properties	
Ed 1.00 A4 10p EN PDF 10p EN	Gr 6 83.060	
Specifies a method for the determination of the compression stress-strain properties piece. Two methods are given: A: With the metal plates, through which the compressive force is applied, bonded to the test piece. The met Cor 1(International), 2003-04-14	es of vulcanized or thermoplastic rubber, using a specified test essive force is applied, lubricated. B: With the metal plates, hod is not suitable for materials that exhibit high set.	
SANS 7752-1:2007 / ISO 7752-1:1983 Lifting appliances - Controls - Layout and characteristics Part 1: General principles		
Ed 1.00 A4 5p EN PDF 5p EN	Gr 5 53.020.99	
Establishes principles and requirements for the controls of lifting appliances. Deals positioning loads and serves as general basis for the elaboration of detailed stands	s with the arrangement of those controls which are used in ards covering controls for particular types of lifting appliances.	

Standards South Africa Catalogue 2013 NUM - 388

SANS 7799:2003 / ISO 7799:1985 (2009-08-07) Metallic materials - Sheet and strip 3 mm thick or less - Reverse bend test Ed 1.00 A4 5p EN Gr 5 PDF 5p EN 77.040.10 Specifies the method for determining the ability of sheet and strip 3 mm thick or less from metallic materials to undergo plastic deformation in reverse bending. This method can be applied to aluminium and its alloys only after previous agreement. SANS 7801:2003 / ISO 7801:1984 (2009-08-07) Metallic materials - Wire - Reverse bend test Ed 1.00 A4 6p EN Gr 5 PDF 6p EN 77.040.10 Specifies the method for determining the ability of metallic wire of diameter or thickness 0,3 to 10 mm inclusive to undergo plastic deformation during reverse bending. The range of diameters or thicknesses for which this International Standard is applicable may be more exactly specified in the relevant product standard. SANS 7802:2003 / ISO 7802:1983 (2009-08-07) Metallic materials - Wire - Wrapping test Ed 1.00 A4 3p EN Gr 4 PDF 3p EN 77.140.65 Specifies the method for determining the ability of wire of diameter or thickness 0,1 to 10 mm inclusive, to undergo plastic deformation during wrapping. SANS 7810:2004 / ISO/IEC 7810:2003 (2011-12-01)

(SABS ISO/IEC 7810) Identification cards - Physical characteristics Ed 2.00 A4 17p EN Gr 8 PDF 17p EN 35.240.15

Describes requirements for the physical characteristics of identification cards, specifies card materials, construction, characteristics, and dimensions for four sizes of cards. Takes into consideration both human and machine aspects, states minimum requirements and specifies the test procedures used to check cards against these parameters. Provides criteria to which cards shall perform and specifies the requirements for such cards used for international interchange.

Am 1(International), 2011-12-01

SANS 7811-1:2004 / ISO/IEC 7811-1:2002 (2009-05-08)	
(SABS ISO/IEC 7811-1)	
Identification cards - Recording technique Part 1: Embossing	
Ed 2.00 A4 25p EN	Gr 10
PDF 25p EN	35.240.15

Describes the parameters for identification cards as described in the definitions clause and the use of such cards for international interchance. specifies requirements for embossed characters on identification cards, takes into consideration both human and machine aspects.

SANS 7752-2:2007 / ISO 7752-2:1985 (2007-06-08)

Lifting appliances - Controls - Layout and characteristics Part 2: Basic arrangement and requirements for mobile cranes

Ed 1.00 A4 8p EN PDF 8p EN

Gr 6 53.020.99

Establishes the arrangement, requirements, and direction of movement of the basic controls for slewing, load hoisting and lowering and jib luffing and telescoping. Applies to all mobile cranes as defined in ISO 4306-2. Add 1(International), 2007-06-08

Specifies the particular requirements for controls for tower cranes as defined in ISO 4306-1 and ISO 4306-3 (published in South Africa as an identical adoption under the designation SANS 4306-3) and the arrangement of basic controls used for positioning loads. It applies to the controls

Lifting appliances - Controls - Layout and characteristics - Part 5: Overhead travelling cranes and portal bridge cranes

SANS 7752-3:2007 / ISO 7752-3:1993

attachment, erection masts, with or without jibs. SANS 7752-5:2002 / ISO 7752-5:1985 (2008-07-18)

Cranes - Controls - Layout and characteristics Part 3: Tower cranes

Ed 1.00 A4 6p EN PDF 6p EN

Ed 1.00 A4 5p EN

PDF 5p EN

of tower cranes for building and general construction work that can be dismantled, permanently erected tower cranes, hammerhead cranes, dockside and shipbuilders' tower cranes. It does not apply to the controls of power-driven mobile jib cranes which may be fitted with a tower

> Gr 5 53.020.20

Establishes the arrangement, requirements and direction of movement of the basic controls for travelling, traversing, slewing, cab driving and load

hoisting and lowering operations for all overhead travelling cranes and portal bridge cranes, as defined in ISO 4306-1.

NUMERICAL LIST OF STANDARDS

Gr 5 53.020.20

Standards South Africa Catalogue 2 NUM - 389	2013
Specifies the dimensions and the locations for each of the contacts on an integrate the way to identify which standards define the use of the contacts. This standard is	ed circuit card of an ID-1 card type. Also provides information on s to be used in conjunction with SANS 7816-1.
SANS 7816-2:2009 / ISO/IEC 7816-2:2007 (SABS ISO/IEC 7816-2) Identification cards - Integrated circuit cards Part 2: Cards with contacts - Dir Ed 2.00 A4 14p EN PDF 14p EN	mensions and location of the contacts Gr 7 35.240.15
Specifies physical characteristics of integrated circuit(s) cards with contacts and a embossing and/or a magnetic stripe.Am 1(International), 2005-06-10Am 1(National), 2005-06-10	pplies to identification cards of the ID-1 type which may include
SANS 7816-1:1998 / ISO/IEC 7816-1:1998 (2010-03-05) (SABS ISO/IEC 7816-1) Identification cards - Integrated circuit(s) cards with contacts Part 1: Physica Ed 1.00 A4 11p EN PDF 11p EN	Il characteristics Gr 8 35.240.15
Specifies the data structure and data content of magnetic tracks 1 and 2, which ar both human and physical aspects and states minimum requirements of conformity registration procedures, but not security requirements.ISO/IEC 10373 specifies the parameters specified in this standard. (ISO/IEC 10373 is published in South Africa	e used to initiate financial transactions. Takes into consideration r. References layout, recording techniques, numbering systems, e test procedures used to check ID-1 cards against the a as an identical adoption under the designation SANS 10373).
SANS 7813:2007 / ISO/IEC 7813:2006 (2011-12-15) (SABS ISO/IEC 7813) Information technology - Identification cards - Financial transaction cards Ed 3.00 A4 12p EN PDF 12p EN	Gr 7 35.240.15
Describes the parameters for identification cards, the use of such cards for internar registration procedures for numbers issued in accordance with ISO/IEC 7812-1 (parameters)	ational and/or inter-industry interchange and the application and ublished in South Africa as SANS 7812-1).
SANS 7812-2:2008 / ISO/IEC 7812-2:2007 (SABS ISO/IEC 7812-2) Identification cards - Identification of issuers Part 2: Application and registra Ed 3.00 A4 29p EN PDF 29p EN	tion procedures Gr 10 35.240.15
Specifies a numbering system for the identification of issuers of cards that require interindustry and/or intra-industry interchange.	an issuer identification number to operate in international,
SANS 7812-1:2008 / ISO/IEC 7812-1:2006 (SABS ISO/IEC 7812-1) Identification cards - Identification of issuers Part 1: Numbering system Ed 3.00 A4 12p EN PDF 12p EN	Gr 7 35.240.15
Specifies the physical characteristics of a tactile identifier mark used by visually-in on the card for the tactile identifier mark (TIM) and the layout of Braille style embodies	npaired card holders to distinguish their cards. Defines the area ssed dots arranged in patterns to enable easy tactile recognition.
SANS 7811-9:2009 / ISO/IEC 7811-9:2008 Identification cards - Recording technique Part 2: Tactile identifier mark Ed 1.00 A4 8p EN PDF 8p EN	Gr 6 35.240.15
Defines the characteristics for identification cards and the use of such cards for int coercivity magnetic stripe, the encoding technique, and the coded character sets of Cor 1(International), 2011-12-01	ternational interchange. Specifies the requirements for high on an identification card.
SANS 7811-6:2009 / ISO/IEC 7811-6:2008 (2011-12-01) (SABS ISO/IEC 7811-6) Identification cards - Recording technique Part 6: Magnetic stripe - High coer Ed 3.00 A4 31p EN PDF 31p EN	rcivity Gr 11 35.240.15
Describes the characteristics for identification cards as defined in the definitions cl specifies requirements for a low coercivity magnetic stripe (including any protective coded character sets.	ause and the use of such cards in the international interchange; e overlay) on an identification card, the encoding technique and
Identification cards - Recording technique Part 2: Magnetic stripe - Low coer Ed 2.00 A4 27p EN PDF 27p EN	civity Gr 10 35.240.15
SANS 7811-2:2004 / ISO/IEC 7811-2:2001 (2009-05-08) (SABS ISO/IEC 7811-2)	

SANS 7816-3:2009 / ISO/IEC 7816-3:2006 (SABS ISO/IEC 7816-3)

Identification cards - Integrated circuit cards - Part 3: Cards with contacts - Electrical interface and transmission protocols

Ed 3.00 A4 57p EN PDF 57p EN Gr 13 35.240.15

Gr 15

Gr 7

35.240.15

35.240.15

Gr 10

35.240.15

35.240.15

Specifies the power and signal structures, and the information exchange between an integrated circuit card and an interface device such as a terminal. Covers signal rates, voltage levels, current values, parity convention, operating procedure, transmission mechanisms and communication with the card.

SANS 7816-4:2005 / ISO/IEC 7816-4:2005 (2009-05-22)

(SABS ISO/IEC 7816-4)

Identification cards - Integrated circuit cards Part 4: Organization, security and commands for interchange

Ed 2.00 A4 90p EN PDF 90p EN

Specifies contents of command-response pairs exchanged at the interface; means of retrieval of data elements and data objects in the card; structures and contents of historical bytes to describe operating characteristics of the card; structures for applications and data in the card, as seen at the interface when processing commands; access methods to files and data in the card; a security architecture defining access rights to files and data in the card; means and mechanisms for identifying and addressing applications in the card; methods for secure messaging; access methods to the algorithms processed by the card. It does not describe these algorithms. It does not cover the internal implementation within the card or the outside world, and is independent from the physical interface technology. It applies to cards accessed by one or more of the following methods: contacts, close coupling, and radio frequency.

Am 1(International), 2009-05-22

SANS 7816-5:2005 / ISO/IEC 7816-5:2004 (2011-03-25)

(SABS ISO/IEC 7816-5)

Identification cards - Integrated circuit cards Part 5: Registration of application providers

Ed 2.00 A4 13p EN PDF 13p EN

Defines how to use an application identifier to ascertain the presence of or perform the retrieval (or both) of an application in a card. Shows how to grant the uniqueness of application identifiers through the international registration of a part of this identifier, and defines the registration procedure, the authorities in charge thereof, the availability of the register which links the registered parts of the identifiers and the relevant application providers.

SANS 7816-6:2005 / ISO/IEC 7816-6:2004 (2011-12-15)

(SABS ISO/IEC 7816-6)

Identification cards - Integrated circuit cards Part 6: Interindustry data elements for interchange

Ed 2.00	A4 26p EN	Gr 10
	PDF 26p EN	35.240.15

Provides the data elements (DEs) used for interindustry interchange based on integrated circuit cards (ICCs) both with contacts and without contacts. Gives the identifier, name, description, format, coding and layout of each DE and defines the means of retrieval of DEs from the card. **Cor 1(International), 2007-02-02**

SANS 7816-7:1999 / ISO/IEC 7816-7:1999 (2011-03-25)

(SABS ISO/IEC 7816-7)

Identification cards - Integrated circuit(s) cards with contacts Part 7: Interindustry commands for Structured Card Query Language (SCQL) Ed 1 00 A4 43p EN Gr 12

Ed 1.00 A4 43p EN PDF 43p EN

Covers the concept of an SCQL database (SCQL = structured card query language based on SQL) and the related interindustry enhanced commands.

Am 1(National), 2005-06-10

SANS 7816-8:2005 / ISO/IEC 7816-8:2004 (2011-03-25) (SABS ISO/IEC 7816-8)

Identification cards - Integrated circuit cards Part 8: Commands for security operations

Ed 2.00 A4 26p EN PDF 26p EN

States interindustry commands for integrated circuit cards (either with contacts or without contacts) that may be used for cryptographic operations.

SANS 7816-9:2005 / ISO/IEC 7816-9:2004 (2011-03-25)

Identifica	ation cards - Integrate	d circuit cards Part 9: Co	mmands for card management
Ed 1.00	A4 19p EN		Gr 9
	PDF 19p EN		35.240.15

States interindustry commands for integrated circuit cards (both with contacts and without contacts) for card and file management, for example file creation and deletion.

SANS 7816-10:1999 / ISO/IEC 7816-10:1999 (2011-03-25) (SABS ISO/IEC 7816-10)

 Identification cards - Integrated circuit(s) cards with contacts Part 10: Electronic signals and answer to reset for synchronous cards

 Ed 1.00
 A4 14p EN

 PDF 14p EN
 Gr 7

 35.240.15

 Defines the power, signal structures and the structure for the answer to reset between an integrated circuit(s) card with synchronous transmission together with an interface device, e.g. a terminal.

 Am 1(National), 2005-06-10

SANS 7816-11:2005 / ISO/IEC 7816-11:2004 (2011-03-25)

Identification cards - Integrated circuit cards Part 11: Personal verification through biometric methods Ed 1.00 A4 40p EN Gr 11

Ed 1.00 A4 40p EN PDF 40p EN

Explains the usage of inter-industry commands and data objects related to personal verification through biometric methods in integrated circuit cards. Also presents examples for enrolment and verification and addresses security issues.

35.240.15

35.240.15

SANS 7816-12:2007 / ISO/IEC 7816-12:2005 (2011-12-15)

Identification cards - Integrated circuit cards Part 12: Cards with contacts - USB electrical interface and operating procedures					
Ed 1.00 A4 57p EN	Gr 13				
PDF 57p EN	35.240.15				
Specifies the operating conditions of an integrated circui named USB-ICC.Specifies the electrical conditions wher when the USB interface is applied; the USB standard de USB-ICC using bulk transfers or control transfers; the co (optional) interrupt transfers to indicate asynchronous ev support the protocol T=0 (version A) or to use the transfer	it card that provides a USB interface. An integrated circuit card with a USB interface is in a USB-ICC is operated by an interface device - for those contact fields that are not used, escriptors and the USB-ICC class specific descriptor; the data transfer between host and pontrol transfers which allow two different protocols named version A and version B; the vents; and status and error conditions.Provides two protocols for control transfers. This is to a con APDU level (version B). Provides the state diagrams for the USB-ICC for each of the				

SANS 7816-13:2007 / ISO/IEC 7816-13:2007 (2011-12-15)

Identification cards - Integrated circ	uit cards Part 13: Commands for application management in a multi-application environment
Ed 1.00 A4 30p EN	Gr 10

transfers (bulk transfers, control transfers version A and version B). Gives examples of possible sequences which the USB-ICC is required to

PDF 30p EN	
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Specifies commands for application management in a multi-application environment. These commands cover the entire life cycle of applications in a multi-application integrated circuit card, and the commands can be used before and after the card is issued to the cardholder. Does not cover the implementation within the card and/or the outside world.

SANS 7816-15:2005 / ISO/IEC 7816-15:2004 (2011-03-31)

Identification cards - Integrated circuit cards Part 15: Cryptographic information application Ed 1 00 A4 77p EN Gr 14

Eu	1.00	A4 / / PEN					Gi	14	
		PDF 77p EN					35.	240.1	5

Describes a card application which contains information on cryptographic functionality. Also defines a common syntax (in ASN.1) and format for the cryptographic information and mechanisms to share this information whenever appropriate. **Cor 1(International), 2005-06-10**

SANS 7840:2008 / ISO 7840:2004

handle in an informative annex.

Small cra	aft - Fire-resistant fuel hoses	
Ed 1.00	A4 14p EN	Gr 7
	PDF 14p EN	47.080

Specifies general requirements and physical tests for fire-resistant hoses for conveying petrol and diesel oil, designed for a working pressure not exceeding 0,34 MPa for hoses with nominal bore up to and including 10 mm and 0,25 MPa for hoses with larger bore in craft of hull length up to 24 m. Applies to hoses for small craft with permanently installed fuel systems. Does not apply to hoses entirely within the splash well at the stern of the craft connected directly to an outboard engine.

SANS 7846:2010 / BS 7846:2009

Electric cables - Thermosetting insulated armoured fire-resistant cables of rated voltage 600/1000 V, having low emission of smoke and corrosive gases when affected by fire - Specification

Ed 1.00	A4 54p EN	G	r 13
	PDF 54p EN	29	.060.20

Specifies requirements for construction and performance, and describes methods of test, for armoured, fire-resistance cables with thermosetting insulation and of rated voltage 600/1 000 V and low emission of smoke and corrosive gases when affected by fire.

Gr 12

23.020.30

SANS 7866:1999 / ISO 7866:1999 (2013-03-15) (SABS ISO 7866)

Gas cylinders - Refillable seamless aluminium alloy gas cylinders - Design, construction and testing

Ed 1.00 A4 46p EN PDF 46p EN

PDF 46p EN

Specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes and tests at manufacture of refillable seamless aluminium alloy gas cylinders of water capacities from 0,5 L up to and including 150 L for compressed, liquefied and dissolved gases for worldwide use (normally up to +65 °C).

Am 1(National), 2006-12-15

PDF 14p EN

SANS 7870-1:2008 / ISO 7870-1:2007

Control	charts Part 1: General guidelines	
Ed 1.00	A4 22p EN	Gr 9
	PDF 22p EN	03.120.30

Presents key elements and philosophy of the control chart approach, and identifies a wide variety of control charts (including those related to the Shewhart control chart and those stressing process acceptance or on-line process adjustment).

SANS 7875-1:2006 / ISO 7875-1:1996 (2012-03-23)

Water quality - Determination of surfactants Part 1: Determination of anionic surfactants by measurement of the methylene blue index (MBAS) Ed 1.00 A4 14p EN Gr 7

Specifies a spectrometric method for the determination of anionic surfactants by measurement of the methylene blue index (MBAS) in aqueous media in drinking water, surface water as well as waste water. This method is applicable to a range of concentrations from 0,1 mg/L to 5,0 mg/L. Cor 1(International), 2006-09-15

SANS 7887:2005 / ISO 7887:1994 (2011-10-21)

Water quality - Examination and determination of colour

Ed 1.00	A4 13p EN	Gr 7	
	PDF 13p EN	1	3.060.60

Specifies three methods for the examination of the colour of water, by examination of apparent colour by visual observation, by determination of the true colour using optical apparatus, and by determination of the colour by visual comparison with hexachloroplatinate standard solutions.

SANS 7888:2005 / ISO 7888:1985 (2011-11-11)

Water quality - Determination of electrical conductivity

Ed 1.00	A4 9p EN	Gr 6
	PDF 9p EN	13.060.60

Specifies a method for the measurement of the electrical conductivity of all types of water.

SANS 7899-1:2004 / ISO 7899-1:1998 (2010-08-20)

Water quality - Detection and enumeration of intestinal enterococci Part 1: Miniaturized method (Most Probable Number) for surface and waste water Ed 1.00 A4 24p EN Gr 10

Lu 1.00		GIIO
	PDF 24p EN	07.100.20

Specifies a miniaturized method for the detection and enumeration of major intestinal enterococci in surface and waste water by inoculation in a liquid medium. The method is applicable to all types of surface and waste waters, particularly those rich in suspended matter. **Cor 1(International), 2004-10-08**

SANS 7899-2:2004 / ISO 7899-2:2000 (2010-08-13)

 Water quality - Detection and enumeration of intestinal enterococci
 Part 2: Membrane filtration method

 Ed 1.00
 A4 14p EN
 Gr 7

 Ed 1.00
 A4 14p EN
 Gr 7

 PDF 14p EN
 07.100.20

Specifies a method for the detection and enumeration of intestinal enterococci in water by membrane filtration. It is especially intended for examination of drinking water, water from swimming pools and other disinfected or clean waters. It is particularly suitable for the examination of large volumes of water containing only a few intestinal enterococci.

Gr 7

01.075; 21.100.10

SANS 7904-1:2006 / ISO 7904-1:1995

Plain bearings - Symbols Part 1: Basic symbols

Ed 1.00 A4 11p EN PDF 11p EN

Defines basic symbols for use in the field of plain bearings. Additional signs are also defined for use as superscripts and subscripts.

SANS 7904-2:2006 / ISO 7904-2:1995

Plain bearings - Symbols Part 2: Applications

 Ed 1.00
 A4 9p EN
 Gr 6

 PDF 9p EN
 01.075; 21.100.10

Specifies practical applications of the general symbols laid down in SANS 7904-1 with regard to the calculations, design and testing of plain bearings.

Standards South Africa Catalogue 2013

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13.060.01; 13.060.50

07.100.30 Gives general guidance for the enumeration of viable yeasts and moulds in products intended for human consumption or feeding of animals by means of the colony count technique at 25 °C. SANS 7996:2012 / ISO 7996:1985 Ambient air - Determination of the mass concentration of nitrogen oxides - Chemiluminescence method Gr 7 13.040.01; 13.040.20

Specifies a chemiluminescence method for the determination of the mass concentration of nitrogen oxides present in ambient air.

SATS 8000-100:2010 / ISO/TS 8000-100:2009

SANS 7954:1987 / ISO 7954:1987 (2007-02-23)

Data quality Part 100: Master data: Overview

Ed 1.00 CDROM 0p EN PDF 0p EN

Specifies the scope of the master data quality series, introduces master data, describes the data architecture for master data, and gives an overview of the remaining parts of the series.

SANS 8000-110:2010 / ISO 8000-110:2009

Data qua specifica	ality Part 110: Master data: Exchange of characteristic data: Syntax, s ation	emantic encoding, and conformance to data
Ed 1.00	CDROM 0p EN	Gr 10
		25 040 40: 25 240 50

Standards South Africa Catalogue 2013 NUM - 393

Specifies requirements that can be checked by computer for the exchange, between organizations and systems, of master data that consist of characteristic data.

Gr 10 25.040.40: 35.240.50

25.040.40: 35.240.50

Describes a horizontal method for the enumeration of viable Clostridium perfringens in products intended for human consumption and the feeding of animals, and for environmental samples in the food production and food handling areas.

07.100.30

Gr 10

Gr 7

Microbiology - General guidance for enumeration of yeasts and moulds - Colony count technique at 25 °C

Describes general directions for the apparatus and procedures, using relative density separation methods, for determining the float and sink

Gr 10

75.160.10

Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of presumptive Bacillus cereus - Colony-

Specifies a horizontal method for the enumeration of viable presumptive Bacillus cereus by means of the colony-count technique at 30 °C. It is applicable to products intended for human consumption and the feeding of animals, and environmental samples in the area of food production and

Hard coal - Determination and presentation of float and sink characteristics - General directions for apparatus and procedures

Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of Clostridium perfringens - Colony-count

Specifies dimensions and requirements for insulated caps and bushes in the secondary circuit for resistance welding equipment, especially for use

in back-ups in accordance with ISO 5827 (published in South Africa as an identical adoption under the designation SANS 5827).

Gr 7

Gr 9 07.100.30

characteristics of raw coal and of products from coal preparation plants.

SANS 7931:1985 / ISO 7931:1985 (2006-09-15) (SABS ISO 7931)

Insulation caps and bushes for resistance welding equipment

SANS 7932:2005 / ISO 7932:2004 (2010-04-16)

Am 1(National), 2006-09-15

count technique at 30 °C Ed 2.00 A4 20p EN

food handling.

Ed 1.00 A4 24p EN

(SABS ISO 7937)

Ed 2.00 A4 23p EN

(SABS ISO 7954)

Ed 1.00 A4 7p EN

Ed 1.00 A4 12p EN

technique

PDF 20p EN

SANS 7936:2010 / ISO 7936:1992

PDF 24p EN

SANS 7937:2007 / ISO 7937:2004

PDF 23p EN

PDF 7p EN

Am 1(National), 2007-02-23

PDF 12p EN

Ed 1.00 A4 7p EN

PDF 7p EN

29.080.10

NUMERICAL LIST OF STANDARDS

25.040.40; 35.240.50

Gr 10

25,040,40

SATS 8000-120:2010 / ISO/TS 8000-120:2009

Data quality Part 120: Master data: Exchange of characteristic data: Provenance Gr 10

Ed 1.00 CDROM 0p EN PDF 0p EN

Specifies requirements for the representation and exchange of information about the provenance of master data that consist of characteristic data. Supplements the requirements of ISO 8000-110. Provenance is the history or pedigree of a property value. Includes a unified modelling language (UML) conceptual model for provenance data.

SATS 8000-130:2010 / ISO/TS 8000-130:2009

Data quality Part 130: Master data: Exchange of characteristic data: Accuracy Ed 1.00 CDROM 0p EN

PDF 0p EN

Specifies requirements for the representation and exchange of information about accuracy of master data that consist of characteristic data.

SATS 8000-140:2010 / ISO/TS 8000-140:2009

Data quality Part 140: Master data: Exchange of characteristic data: Completeness

Ed 1.00	CDROM 0p EN	Gr 10
	PDF 0p EN	25.040.40

Specifies requirements for the representation and exchange of information about completeness of master data that consist of characteristic data.

SANS 8009:2007 / ISO 8009:2004 (2012-03-23)

Mechanical contraceptives - Reusable natural and silicone rubber contraceptive diaphragms - Requirements and tests

Ed 1.00	A4 33p EN
	PDF 33p EN

Specifies the minimum requirements and test methods to be used for reusable diaphragms made from natural rubber and silicone rubber.

SANS 8082:2003 / ISO 8082:2003 (2008-12-12)

Self-propelled machinery for forestry - Roll-over protective structures	es - Laboratory tests and performance requirements
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Ed 1.00	A4 21p EN	Gr 9
	PDF 21p EN	65.060.80

Establishes a consistent, reproducible means of evaluating the force-deflection characteristics of roll-over protective structures (ROPS) on selfpropelled forestry machines under static loading, and prescribes performance requirements for a representative specimen under such loading. It is applicable to forwarders, skidders, feller-bunchers, processors, harvesters and loaders, as defined in SANS 6814. It is not applicable to machines having a rotating platform with a cab and boom on the platform.

SANS 8083:2008 / ISO 8083:2006

Machinery for forestry - Falling-object protective structures (FOPS) - Laboratory tests and performance requirements

Ed 2.00 A4 16p EN PDF 16p EN

Establishes a consistent, reproducible means of evaluating characteristics of falling-object protective structures (FOPS) under loading, and prescribes performance requirements for a representative specimen under such loading. Is applicable to mobile or self-propelled, speciallydesigned forestry machines.

SANS 8084:2003 / ISO 8084:2003

Machinery for forestry - Operator protective structures - Laboratory tests and performance requirements

Ed 1.00 A4 9p EN PDF 9p EN

Establishes a laboratory test method and performance requirements for operator protective structures (OPS) on forestry machines. It is applicable to mobile forestry machines as defined in SANS 6814 engaged in felling, processing, forwarding and skidding.

SANS 8085-2:2010 / ISO 8085-2:2001

Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels - Metric series - Specifications Part 2: Spigot fittings for butt fusion, for socket fusion using heated tools and for use with electrofusion fittings

Ed 1.00 A4 22p EN PDF 22p EN

Specifies the requirements for polyethylene (PE) spigot fittings intended to be used with PE pipes and fittings for the supply of gaseous fuels.

Cor 1(International), 2010-10-08 Cor 2(International), 2010-10-08

Gr 11 11.200

Gr 8 65.060.80

65.060.80

Gr 6

Gr 9

23.040.45; 75.200; 83.140.30

SANS 8085-3:2010 / ISO 8085-3:2001 Polyethylene fittings for use with polyethylene pipes for the supply of gaseou Electrofusion fittings	is fuels - Metric series - Specifications Part 3:
Ed 1.00 A4 30p EN	Gr 10
PDF 30p EN	23.040.45; 75.200; 83.140.30
Specifies the requirements for polyethylene (PE) electrofusion fittings intended to be fuels. Specifies some general properties of the material from which these fittings as performance of such fittings. Applicable to electrofusion fittings designed to be fusi South Africa as an identical adoption under the designation SANS 4437), and to sp as an identical adoption under the designation SANS 8085-2). Cor 1(International), 2010-07-30 Cor 2(International), 2010-07-30	be used with PE pipes and fittings for the supply of gaseous re made. Lays down requirements for dimensions and on-jointed to PE pipes conforming to ISO 4437 (published in oigot fittings conforming toISO 8085-2 (published in South Africa
SANS 8087:2008 / ISO 8087:1985	
Mobile cranes - Drum and sheave sizes	
Ed 1.00 A4 4p EN	Gr 4
PDF 4p EN	53.020.20
Establishes the minimum ratio of the pitch diameters of the drum and sheave to the operations.	e nominal diameter of the rope for hoisting and luffing
SANS 8099:2008 / ISO 8099:2000 Small craft - Toilet waste retention systems	
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	47.080
Specifies requirements for the design, construction and installation of systems for to small craft of hull length up to 24 m.	temporary retention of sewage for subsequent disposal. Applies
SANS 8124-1:2009 / ISO 8124-1:2009 Safety of toys Part 1: Safety aspects related to mechanical and physical prop	erties
Ed 2.00 A4 105p EN	Gr 16
PDF 105p EN	97.200.50
Applies to all toys, i.e. any product or material designed or clearly intended for use criteria for structural characteristics of toys, such as shape, size, contour, spacing, categories of toy.	in play by children under 14 years of age. It specifies acceptable as well as acceptable criteria for properties peculiar to certain
SANS 8124-2:2008 / ISO 8124-2:2007 (SABS ISO 8124-2)	
Safety of toys Part 2: Flammability	
Ed 2.00 A4 20p EN	Gr 9
PDF 20p EN	97.200.50
Specifies the categories of flammable materials that are prohibited in all toys, and are subjected to a minor source of ignition.	requirements concerning flammability of certain toys when they
SANS 8124-3:1997 / ISO 8124-3:1997 (2008-12-05) (SABS ISO 8124-3)	
Safety of toys Part 3: Migration of certain elements	
Ed 1.00 A4 27p EN PDF 27p EN	Gr 11 97.200.50
Specifies maximum acceptable levels and methods of sampling and extraction price arsenic, barium, cadmium, chromium, lead, mercury and selenium from toy material	or to analysis for the migration of the elements antimony, als and from parts of toys, except materials not accessible.
SANS 8144-1:2006 / ISO 8144-1:1995 (2012-07-27) Thermal insulation - Mineral wool mats for ventilated roof spaces Part 1: Spe	cification for applications with restricted ventilation
Ed 1.00 A4 28p EN	Gr 10
PDF 28p EN	91.100.60
Specifies the properties and acceptable tolerances for bonded man-made mineral specified are for use within ventilated roof spaces of buildings where the essential recovery of the insulation is excessive. They may be supplied flat, folded or in the f at the time of delivery are specified, as are some test methods for the determinatio properties and are dimensionally stable for the temperature and humidity condition applied facing, but facings are not covered by this standard.	wool thermal insulating mats (batts and rolls). The mats ventilation of the roof space may be restricted if the thickness orm of a roll. The properties to be declared by the manufacturer n of these properties. Essentially, mats do not change their s within a ventilated roof. Mats may be supplied with a factory-

SANS 8165-2:1999 / ISO 8165-2:1999 (2012-03-30) (SABS ISO 8165-2)

Water quality - Determination of selected monovalent phenols Part 2: Meth	od by derivatization and gas chromatography
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	13.060.50
Specifies a method for the determination of phenols by gas chromatography, foll applied to the examination of drinking water, ground water and moderately conta obtained compared with extraction procedures. Am 1(National), 2006-08-04	owing pentafluorobenzoyl chloride (PFBC) derivatization. It may be minated surface water, where lower limits of detection may be
SANS 8167:1989 / ISO 8167:1989 (2012-11-02) (SABS ISO 8167)	
Projections for resistance welding	
Ed 1.00 A4 6p EN PDF 6p EN	Gr 5 25.160.30
Specifies the characteristics and dimensions of projections for resistance weldin The projections may be used on either hot-rolled or cold-rolled, uncoated mild st projections, in multiples or as a group of multiples. Am 1(National), 2006-09-15	g and includes the appropriate design and dimensions for tools. eel, of conventional welding quality and up to 3 mm thick, as single
SANS 8179-1:2010 / ISO 8179-1:2004 Ductile iron pipes - External zinc-based coating Part 1: Metallic zinc with fi	nishing layer
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	23.040.10
Deals with an external protective coating system which is factory applied to cent	rifugally cast ductile iron pipes.
SANS 8179-2:2010 / ISO 8179-2:1995 Ductile iron pipes - External zinc coating Part 2: Zinc rich paint with finishi	ng layer
Ed 1.00 A4 5p EN	Gr 5
PDF 5p EN	23.040.10; 25.220.40
Deals with a factory-applied protective external coating system for centrifugally of	ast ductile iron pipes.
SANS 8180:2010 / ISO 8180:2006 Ductile iron pipelines - Polyethylene sleeving for site application	
Ed 1.00 A4 8p EN	Gr 6
PDF 8p EN	23.040.10
Specifies the characteristics of polyethylene film, commonly called sleeving, use pipelines, particularly when laid in aggressive soil conditions.	d as additional protection against corrosion for ductile iron
SANS 8191-1:1987 / ISO 8191-1:1987 (2006-04-13) (SABS ISO 8191-1)	
Furniture - Assessment of the ignitability of upholstered furniture Part 1: Ig	nition source: smouldering cigarette
Ed 1.00 A4 13p EN	Gr 8
	13.220.40; 97.140
Lays down a method of test to assess the ignitability of material combinations, s subjected to a smouldering cigarette as an ignition source. Am 1(National), 2006-04-13	uch as covers and fillings used in upholstered seating when
SANS 8191-2:1988 / ISO 8191-2:1988 (2006-04-13) (SABS ISO 8191-2)	
Furniture - Assessment of ignitability of upholstered furniture Part 2: Igniti	on source: match-flame equivalent
Ed 1.00 A4 13p EN	Gr 8
	13.220.40; 97.140
Lays down a test method to assess the ignitability of material combinations, suc subjected to a small flame as an ignition source. Am 1(National), 2006-04-13	h as covers and fillings used in upholstered seating, when
SANS 8199:2006 / ISO 8199:2005	
Water quality - General guidance on the enumeration of micro-organisms b	by culture
Ed 2.00 A4 45p EN PDE 45p EN	Gr 12
	07.100.20
Presents guidance for carrying out manipulations which are common to each tec the preparation of samples, culture media and apparatus. It also describes the v choice of a particular technique.	nnque tor the microbiological examination of water, particularly arious enumeration techniques available and the criteria for the

SANS 8201:1987 / ISO 8201:1987 (2012-08-17) (SABS ISO 8201)	
Acoustics - Audible emergency evacuation signal	
Ed 1.00 A4 8p EN	Gr 6
PDF 8p EN	13.320
Specifies two parameters of the audible emergency evacuation signal, that is, the t places within the intended signal reception area. It applies to the audible signal and Am 1(National), 2007-02-02	emporal pattern and the required sound pressure level at all d not to the individual signalling system components.
SANS 8207:2004 / ISO 8207:1996 (2009-03-20) Gas welding equipment - Specification for hose assemblies for equipment fo	r welding, cutting and allied processes
Ed 1.00 A4 8p EN	Gr 6
PDF 8p EN	23.040.70; 25.160.30
Specifies performance and test requirements of hose assemblies using rubber hos welding, cutting and allied processes.	e, if supplied in assembled condition for equipment for gas
SANS 8229:1991 / ISO 8229:1991 (2012-03-23) (SABS ISO 8229)	
Operations and baths relating to dry-cleaning machines - Vocabulary	
Ed 1.00 A4 6p EN	Gr 5
PDF 6p EN	97.060
Defines terms relating to operations and baths in the field of dry-cleaning machines Am 1(National), 2007-03-23	S.
SANS 8230:1997 / ISO 8230:1997 (2007-03-23) (SABS ISO 8230)	
Safety requirements for dry-cleaning machines using perchloroethylene	
Ed 1.00 A4 31p EN	Gr 12
Andia to develop in the share in a shire of all sizes inter ded for industrial	97.060
Applies to closed-circuit dry-cleaning machines of all sizes intended for industrial u made of textile, leather, furs and skins, using perchloroethylene only as liquid solve Am 1(National), 2007-03-23	se (including retail shop operation) for the cleaning of articles ent.
SANS 8230-1:2010 / ISO 8230-1:2008	
Safety requirements for dry-cleaning machines Part 1: Common safety requir	ements
Ed 1.00 A4 38p EN	Gr 11
PDF 38p EN	97.060
Specifies common safety requirements for dry-cleaning machines. It is applicable t commercial use for the cleaning of articles made of textile, leather, fur and skins, u as the cleaning medium.	to dry-cleaning machines of all sizes intended for industrial and using exclusively either perchloroethylene or combustible solvent
SANS 8230-2:2010 / ISO 8230-2:2008	
Safety requirements for dry-cleaning machines Part 2: Machines using perch	loroethylene
Ed 1.00 A4 10p EN	Gr 6
Specifies safety requirements for dry-cleaning machines that exclusively use perch	97.060 Iloroethylene as the cleaning medium.
SANS 8230-3:2010 / ISO 8230-3:2008 Safety requirements for dry-cleaning machines Part 3: Machines using comb	ustible solvents
Ed 1.00 A4 15p EN PDF 15p EN	Gr 8 97.060
Specifies safety requirements for dry-cleaning machines that use combustible solv	ent as the cleaning medium.
SANS 8232:1988 / ISO 8232:1988 (2007-03-23) (SABS ISO 8232)	
Closed-circuit dry-cleaning machines - Defining and checking of machine cha	aracteristics
Ed 1.00 A4 9p EN	Gr 7
PDF ⁹ p EN	97.060

Specifies a closed-circuit dry-cleaning machine, and suitable methods of checking the solvent consumption, efficiency of solvent recovery during drying and solvent concentrations in the atmosphere surrounding the closed-circuit dry-cleaning machine. Am 1(National), 2007-03-23

97.060

Gr 11 13.140

Gr 10 13.140

SANS 8253-1:2011 / ISO 8253-1:2010 (SABS ISO 8253-1)

Acoustics - Audiometric test methods Part 1: Pure-tone air and bone conduction audiometry

Ed 2.00	A4 36p EN PDF 36p EN		

Specifies procedures and requirements for pure-tone air conduction and bone conduction threshold audiometry. Does not cover audiometric procedures to be carried out at levels above the hearing threshold levels of the subjects.

SANS 8253-2:2011 / ISO 8253-2:2009

(SABS ISO 8253-2)

Acoustics - Audiometric test methods Part 2: Sound field audiometry with pure-tone and narrow-band test signals

Ed	2.00	A4 23p EN
		PDF 23p EN

Specifies relevant test signal characteristics, requirements for free, diffuse, and quasi-free sound fields, and procedures for sound field audiometry using pure tones, frequency-modulated tones or other narrow-band test signals presented by means of one or more loudspeakers. Does not include specifications for the use of hand-held loudspeakers.

nted by air conduction through an Describes methods for using noise either est material.
and decimal dilutions for
for the microbiological examination of
sound pressure levels in the
ants relevant to the evaluation of sound
flow meter apparatus
specimens and the calculation of the
rdad hat plata apparatus
aca not plate appaiatus
te heat transfer through flat slab

Gr 6

Gr 8 11.040.20

Gr 15

01.040.59; 59.080.30

47.020.40

SANS 8314:2005 / ISO 8314:1987 (2010-05-07)

Shipbuilding and marine structures - Trunnion pieces for span bearings and lead block bearings

Ed 1.00 A4 7p EN PDF 7p EN

Specifies dimensions and materials for trunnion pieces and locating bolts for assemblies of span bearings and cargo runner lead block bearings used in operating ship derrick booms.

SANS 8362-1:1989 / ISO 8362-1:1989 (2005-08-05)

(SABS ISO 8362-1)

Injection containers for injectables and accessories Part 1: Injection vials made of glass tubing

Ed	1.00	A4 10p EN
		PDF 10p EN

Specifies the form, dimensions and capacities of glass vials for injectable preparations, the material from which such containers shall be made and the performance requirements of those containers. Applies to colourless or amber glass containers made from borosilicate or soda-lime-silica glass, made from glass tubing, whether internally surface-treated or not, and intended to be used in the packaging, storage or transportation of products intended for injection.

Am 1(National), 2005-08-05

PDF 90p EN

SANS 8388:1998 / ISO 8388:1998 (2010-02-26)

	•	,			
(SABS ISO 8388)					
Knitted fabrics - Types - Vocabulary					
Ed 1.00 A4 90p EN					

Defines terms for industrially produced machine knitted fabrics.

SANS 8394-1:2011 / ISO 8394-1:2010

Building construction - Jointing products Part 1: Determination of extrudability of sealants

Ed 1.00	A4 9p EN	Gr 6
	PDF 9p EN	91.100.50

Specifies a method for determining the extrudability of sealants and for use in testing the extrudability of a sealant. Does not apply to the classification of sealants.

SANS 8394-2:2011 / ISO 8394-2:2010

Building construction - Jointing	products Part 2: Determination of extrudability of sealants using standardized apparatus

Ed 1	1.00	A4 12p EN	Gr 7	
		PDF 12p EN	91.100.5	0

Specifies a method for determining the extrudability of sealants independently of the package in which they are supplied. Is not applicable to the classification of sealants.

SANS 8401:1986 / ISO 8401:1986 (2006-12-15)

(SABS ISO 8401)

Metallic coatings - Review of methods of measurement of ductility

Ed 1.00	A4 36p EN	Gr	12
	PDF 36p EN	25.2	220

Specifies general methods of measuring the ductility of metallic coatings of thickness below 200 microns prepared by electroplating, autocatalytic deposition or other processes.

Am 1(National), 2006-12-15

SANS 8420:2003 / ISO 8420:2002 (2008-09-19)

Animal and vegetable fats and oils - Determination of content of polar compounds

Ed 1.00 A4 12p EN PDF 12p EN

Describes a method for the determination of the content of polar compounds in animal and vegetable fats and oils, hereinafter referred to as fats. Polar compounds are formed during the heating of fats and thus the method serves to assess the deterioration of frying fats with use.

SANS 8430-1:1988 / ISO 8430-1:1988 (2012-11-02)

(SABS ISO 8430-1)

Resistance spot welding - Electrode holders Part 1: Taper fixing 1:10

Ed 1.00 A4 6p EN PDF 6p EN

Specifies the dimensions and tolerances of resistance spot welding electrode holders (type A) without offset and with the facility for cable clamping, and where a male taper 1:10 is used to fix the holder direct to the welding cylinder in multiple spot welding equipment. Am 1(National), 2006-09-15

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Gr 7

Gr 5

25.160.20

67.200.10

SANS 8430-2:1988 / ISO 8430-2:1988 (2012-11-02)	
(SABS ISO 8430-2)	
Resistance spot weiging - Electrode holders Part 2: Morse taper fixing	Cr. F.
PDF 6p EN	25,160,20
Specifies the dimensions and tolerances of resistance spot welding electrode holde and where a male Morse taper is used to fix the holder direct to the welding cylinde Am 1(National), 2006-09-15	ers (type B) without offset and with a facility for cable clamping, r in multiple spot welding equipment.
SANS 8430-3:1988 / ISO 8430-3:1988 (2012-11-02) (SABS ISO 8430-3)	
Resistance spot welding - Electrode holders Part 3: Parallel shank fixing for e	end thrust
Ed 1.00 A4 8p EN	Gr 6
PDF 8p EN	25.160.20
Specifies the dimensions and tolerances of resistance spot welding electrode holde and where a clamp is used to fix the holder direct to the welding cylinder in multiple	ers (type C) without offset and with a facility for cable clamping, e spot welding equipment.
Am 1(National), 2006-10-20 Cor 1(International), 2006-10-20	
SANS 8434-2:2010 / BS 8434-2:2003 Methods of test for assessment of the fire integrity of electric cables Part 2: T circuits with a 930 °C flame and with water spray	est for unprotected small cables for use in emergency
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	13.220.40; 29.060.20
Specifies a method of test to be used for small unprotected cables where the requi identical adoption under the designation SANS 50200) are modified to use a flame	rements of BS EN 50200 (published in South Africa as an temperature of (930) °C and the application of water spray
Am 1(International), 2010-11-26 Am 2(International), 2010-11-26	
SANS 8443:2005 / ISO 8443:1999 (2010-04-30) (SABS33)	
Rolling bearings - Radial ball bearings with flanged outer ring - Flange dimen	sions
Ed 1.00 A4 8p EN	Gr 6
PDF 8p EN	21.100.20
Lays down flange dimensions for a selection of single-row radial or angular contact	groove ball bearings with flanged outer ring.
SANS 8459:2009 / ISO 8459:2009	
Information and documentation - Bibliographic data element directory for use	e in data exchange and enquiry
PDF 148p EN	Gr 17 35 240 30
Describes, in the form of a directory, data elements used to support the processes and requesting a loan or copy by an end user or an institution. It includes data elem bibliographic systems. It does not include data elements that are handled by transp	of acquisition, resource description and cataloguing, searching nents that are exchanged or are potentially exchanged among port protocols, only those related to application level protocols.
SANS 8466-1:2002 / ISO 8466-1:1990 (2008-02-22) Water quality - Calibration and evaluation of analytical methods and estimatic	on of performance characteristics Part 1: Statistical
evaluation of the linear calibration function	0.7
PDF 12p EN	Gr / 13.060.50
Describes the steps to be taken in evaluating the statistical characteristics of the lir calibration.	near calibration function. Is applicable to methods that require a
SANS 8466-2-20002 / ISO 8466-2-2001 (2009-02-22)	
Water quality - Calibration and evaluation of analytical methods and estimatic strategy for non-linear second-order calibration functions	on of performance characteristics Part 2: Calibration
Ed 1.00 A4 16p EN PDE 16p EN	Gr 8
Intended primarily for use in method development and may not necessarily be appl	icable to all routine analyses.
SANS 8469:2008 / ISO 8469:2006 Small araft - Non-fira registrant fuel hasses	
Ed 1 00 A4 12n EN	Gr 7
PDF 12p EN	47.080
Specifies general requirements and physical tests for non-fire-resistant bases for c	onveying petrol and diesel oil designed for a working pressure

Specifies general requirements and physical tests for non-fire-resistant hoses for conveying petrol and diesel oil, designed for a working pressure not exceeding 0,34 MPa for hoses with inner diameter up to and including 10 mm and 0,25 MPa for hoses up to 63 mm inner diameter in craft of hull length up to 24 m. Applies to hoses for small craft with permanently installed fuel systems.

Gr 5

77.040.10

SANS 8491:2003 / ISO 8491:1998 (2009-08-07)

Metallic materials - Tube (in full section) - Bend test

Ed 1.00 A4 5p EN

PDF 5p EN

Specifies a method for determining the ability of full-section metallic tubes of circular cross-section to undergo plastic deformation in bending. It is intended for tubes with an outside diameter no greater than 65 mm, although the range of the outside diameter for which this International Standard is applicable may be more exactly specified in the relevant product standard. Bend tests of the test pieces taken from tubes in the form of transverse strips should be made in accordance with ISO 7438 so as to increase the original curvature of the test piece.

SANS 8492:2003 / ISO 8492:1998 (2009-08-07)		
Metallic	materials - Tube - Flattening test	
Ed 1.00	A4 4p EN	Gr 4
	PDF 4p EN	77.040.10

Specifies a method for determining the ability of metallic tubes of circular cross-section to undergo plastic deformation by flattening. It may also be used to reveal the defects in the tubes. This International Standard is applicable to tubes having an outside diameter no greater than 600 mm and a thickness no greater than 15 % of the outside diameter. The range of the outside diameter or thickness, for which this International Standard is applicable may be more exactly specified in the relevant product standard.

SANS 8493:2003 / ISO 8493:1998 (2009-08-07) natorial at all i . Tuk D...:44

Metallic materials - Tube - Drift-expanding test		
Ed 1.00	A4 5p EN	Gr 5
	PDF 5p EN	77.040.10

Specifies a method for determining the ability of metallic tubes of circular cross-section to undergo plastic deformation in drift expansion. This International Standard is intended for tubes having an outside diameter no greater than 150 mm (100 mm for light metals) and a thickness no greater than 10 mm although the range of the outside diameter or the thickness for which this International Standard is applicable may be more exactly specified in the relevant product standard.

SANS 8494:2003 / ISO 8494:1998 (2009-08-07)

Metallic materials - Tube - Flanging test		
Ed 1.00	A4 5p EN	Gr 5
	PDF 5p EN	77.040.10

Specifies a method for determining the ability of metallic tubes of circular cross-section to undergo plastic deformation during flange formation. This International Standard is intended for tubes having an outside diameter no greater than 150 mm and a wall thickness no greater than 10 mm, although the range of diameters or wall thickness for which this International Standard is applicable may be more exactly specified in the relevant product standard.

SANS 8495:2003 / ISO 8495:1998 (2009-08-07)

Metallic materials - Tube - Ring-expanding test Ed 1.00 A4 5p EN Gr 5 PDF 5p EN 77.040.10

Specifies a method for a ring-expanding test on tubes, that is used to reveal defects both on the surfaces and within the tube wall by expanding the test piece using a conical mandrel until fracture occurs. It may be also used to assess the ability of tubes to undergo plastic deformation. The ringexpanding test is applicable to tubes having an outside diameter from 18 mm up to and including 150 mm and wall thickness from 2 mm up to and including 16 mm.

SANS 8496:2003 / ISO 8496:1998 (2009-08-07)

vetallic materials - Tube - Ring tensile test		
Ed 1.00	A4 4p EN	Gr 4
	PDF 4p EN	77.040.10

Specifies a method for a ring tensile test of tubes to reveal surface and internal defects by subjecting the test piece to strain until fracture occurs. This test may also be used to assess the ductility of tubes. The ring tensile test is applicable to tubes having an outside diameter exceeding 150 mm and a wall thickness no greater than 40 mm. The inside diameter shall be greater than 100 mm.

SANS 8498:1990 / ISO 8498:1990 (2011-12-01) (SABS ISO 8498)	
Woven fabrics - Description of defects - Vocabulary	
Ed 1.00 A4 25p EN PDF 25p EN	Gr 10 01.040.59; 59.080.30
Describes defects which commonly appear during the inspect Am 1(National), 2006-03-24	ction of woven piece-goods.
SANS 8499:2004 / ISO 8499:2003 (2009-11-27)	
(SABS ISO 8499)	
Knitted febrics Description of defects Vessbulery	

Knitted fabrics - Description of defects - Vocabulary		
Ed 2.00	A4 26p EN	Gr 10
	PDF 26p EN	01.040.59; 59.080.30

Describes defects which commonly appear during the inspection of knitted fabrics.

Preparation grades of welds, edges and other areas with surface imperfect	ions
Ed 1.00 A4 11p EN	Gr 7
PDF TIP EN	25.220.10; 77.140
Describes preparation grades of welds, edges and other areas on steel surfaces and/or after an abrasive blast-cleaning process. The preparation grades given in including welded and fabricated surfaces suitable for the application of paints an	with imperfections. Such imperfections can become visible before this standard are to make steel surfaces with imperfections, d related products.
SANS 8502-2:2008 / ISO 8502-2:2005	
Preparation of steel substrates before application of paint and related prod 2: Laboratory determination of chloride on cleaned surfaces	ucts - Tests for the assessment of surface cleanliness Part
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	25.220.10; 77.140
Describes a method for the determination of chloride-containing salts that are re- method is also applicable to previously coated surfaces. It will normally be used	adily soluble in water and are present on a steel surface. The in a laboratory using washings sampled from surfaces on site.
SANS 8502-3:2008 / ISO 8502-3:1992	
Preparation of steel substrates before application of paint and related prod 3: Assessment of dust on steel surfaces prepared for painting (pressure-se	ucts - Tests for the assessment of surface cleanliness Part ensitive tape method)
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	25.220.10; 77.140
This part of the standard describes a method for the assessment of dust remaining pictorial ratings for the assessment of the average quantity of dust.	ng on cleaned steel surfaces prepared for painting. It provides
SANS 8502-5:2008 / ISO 8502-5:1998	
Preparation of steel substrates before application of paint and related prod 5: Measurement of chloride on steel surfaces prepared for painting (ion de	ucts - Tests for the assessment of surface cleanliness Part tection tube method)
Ed 1.00 A4 8p EN	Gr 6
	25.220.10; 77.140
Describes a field test for the measurement of chloride ions using special detection applicable to steel surfaces before and after cleaning, as well as to painted surfaces before and after cleaning.	on tubes. With suitable surface sampling techniques, the test is ces between applications of coats.
SANS 8528-1:2008 / ISO 8528-1:2005 (SABS ISO 8528-1)	
Reciprocating internal combustion engine driven alternating current gener	ating sets Part 1: Application, ratings and performance
Ed 2.00 A4 24p EN	Gr 10
PDF 24p EN	29.160.40
Defines various classifications for the application, rating and performance of gen engine, a.c. generator and any associated controlgear, switchgear and auxiliary for land and marine use, excluding generating sets used on aircraft or to propel l	erating sets consisting of a reciprocating internal combustion (RIC) equipment. Applies to a.c.generating sets driven by RIC engines and vehicles and locomotives.
SANS 8528-2:2008 / ISO 8528-2:2005	
Reciprocating internal combustion engine driven alternating current generation	ating sets Part 2: Engines
Ed 2.00 A4 17p EN	Gr 8
PDF 17p EN	29.160.40
Specifies the principal characteristics (including the speed governing and speed when used for a.c. generating set applications. It applies to RIC engines for a.c. used on aircraft or to propel land vehicles and locomotives.	characteristics) of a reciprocating internal combustion engine gerating sets for land and marine use, excluding generating sets
SANS 8528-3:2008 / ISO 8528-3:2005 (SABS ISO 8528-3)	
Reciprocating internal combustion engine driven alternating current generating sets	ating sets Part 3: Alternating current generators for
Ed 2.00 A4 20p EN PDF 20p EN	Gr 9 29.160.40
Specifies the principal characteristics of a.c. generators under the control of their to a.c. generators used in a.c. generating sets driven by reciprocating internal co sets used on aircraft or to propel land vehicles and locomotives. Supplements the	r voltage regulators when used in generating applications. Applies mbustion engines for land and marine use, excluding generating e requirements of SANS 60034-1.
SANS 8528-4:2008 / ISO 8528-4:2005 (SABS ISO 8528-4)	
Reciprocating internal combustion engine driven alternating current generation	ating sets Part 4: Controlgear and switchgear
Ed 2.00 A4 23p EN	Gr 10

Ed 2.00 PDF 23p EN

Specifies the criteria for controlgear and switchgear for generating sets with reciprocating internal combustion (RIC) engines. Applies to a.c. generating sets driven by RIC engines for land and marine use, excluding generating sets used on aircraft or to propel land vehicles and locomotives.

Standards South Africa Catalogue 2013

NUMERICAL LIST OF STANDARDS

SANS 8501-3:2008 / ISO 8501-3:2006 Preparation of steel substrates before application of paints and related products - Visual assessment of surface cleanliness Part 3:

Prepara Ed 1.00

SANS 8 Prepara

2: Labo Ed 1.00

SANS 8

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SANS 8528-1:2008 / ISO 8528-1:2005	
(SABS ISO 8528-1)	

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29.160.40

SANS 8528-4:2008 / ISO 8528-4:200	5
(SABS ISO 8528-4)	

SANS 8528-5:2008 / ISO 8528-5:2005 (SABS ISO 8528-5)

Reciprocating internal combustion engine driven alternating current generating sets Part 5: Generating sets

Ed 2.00 A4 39p EN PDF 39p EN

Defines terms and specifies design and performance criteria arising out of the combination of a reciprocating internal combustion (RIC) engine and an alternating current (a.c.) generator when operating as a unit. Applies to a.c. generating sets driven by RIC engines for land and marine use, excluding generating sets used on aircraft or to propel land vehicles and locomotives.

SANS 8528-6:2008 / ISO 8528-6:2005

(SABS ISO 8528-6)

Reciprocating internal combustion engine driven alternating current generating sets Part 6: Test methods

Ed 2.00 A4 18p EN PDF 18p EN

Specifies test methods to be used for characterizing a generating set. Applies to a.c. generating sets driven by reciprocating internal combustion engines for land and marine use, excluding generating sets used on air craft or to propel land vehicles and locomotives.

SANS 8528-7:1994 / ISO 8528-7:1994 (2008-02-08)

(SABS ISO 8528-7)

Reciprocating internal combustion engine driven alternating current generating sets Part 7: Technical declarations for specification and design

Ed 1.00	A4 18p EN		
	PDF 18p EN		

Specifies the requirements and parameters for the specification and design of a reciprocating internal combustion (RIC) engine driven generating set, with reference to the definitions given in ISO 8528-1 to ISO 8528-6 (published in South Africa as SANS 8528-1 to SANS 8528-6). Applies to a.c. generating sets driven by RIC engines for land and marine use, excluding generating sets used on aircraft or to propel land vehicles and locomotives.

Am 1(National), 2008-02-08

SANS 8528-8:2006 / ISO 8528-8:1995 (2012-08-17)

Reciprocating internal combustion engine driven alternating current generating sets Part 8: Requirements and tests for low-power generating sets

Ed 1.00 A4	4 18p EN	
PI	DF 18p EN	

Specifies requirements, minimum performances and type tests for low-power generating sets driven by reciprocating internal combustion engines for land and marine use (domestic, recreational and industrial application), excluding generating sets used on aircraft.

SANS 8528-9:2006 / ISO 8528-9:1995 (2012-08-17)

Reciprocating internal combustion engine driven alternating current generating sets Part 9: Measurement and evaluation of mechanical vibrations Ed 1.00 A4 20p EN Gr 9

PDF 20p EN

Describes a procedure for measuring and evaluating the external mechanical vibration behaviour of generating sets at the measuring points stated in this part of SANS 8528.

SANS 8528-10:2006 / ISO 8528-10:1998 (2012-08-17)

Reciprocating internal combustion engine	Iriven alternating current generating sets Part 10: Measurement of airborne noise by the
enveloping surface method	

Ed 1.00 A4 20p EN PDF 20p EN

Specifies measurement methods for the determination of airborne noise emitted by reciprocating internal combustion engine driven generating sets in such a way that the total of relevant noise emissions, for example, exhaust and cooling system noise, together with all other sources of engine noise, are evaluated on a similar basis to vield comparable results.

SANS 8528-12:2006 / ISO 8528-12:1997 (2012-08-17)

Reciprocating internal combustion engine driven alternating current generating sets Part 12: Emergency power supply to safety services

Ed 1.00 A4 17p EN PDF 17p EN

Applies to generating sets driven by reciprocating internal-combustion (RIC) engines for emergency power supply to safety services. Applies, for example, to safety equipment in hospitals, high-rise buildings, public gathering places, etc. Establishes the special requirements for the performance, design and maintenance of power generators used in the applications referred to above and taking into account the provisions of SANS 8528-1 to SANS 8528-6 and SANS 8528-10.

17.160; 29.160.40

Gr 9 17.140.20; 29.160.40

Gr 8

29,160,40

Gr 8

Gr 11

29,160,40

29 160 40

Gr 9 29.160.40

Gr 8

29.160.40

SANS 8539:2010 / ISO 8539:2009 (SABS ISO 8539)	
Forged steel lifting components for use with Grade 8 chain	
Ed 2.00 A4 19p EN PDF 19p EN	Gr 8
Constitue constants for formed start comparents of Crede Que to CO.	Used limit (MUL) mainly for you in shain slippe, stack
wire rope slings, and textile slings intended for lifting objects, materials or goods. I other welded components.	s not applicable to hand forged components and welded links, or
SANS 8543:1998 / ISO 8543:1998 (2006-03-24) (SABS ISO 8543)	
Textile floor coverings - Methods for determination of mass	
Ed 1.00 A4 13p EN	Gr 8
PDF 13p EN	59.080.60
Specifies methods for the determination of the total mass per unit area, total pile r substrate, and for the calculation of measured surface pile density and measured Am 1(National), 2006-03-24	nass per unit area, and mass of pile per unit area above the pile fibre volume ratio, of textile floor coverings.
SANS 8559:2012 / ISO 8559:1989	
Garment construction and anthropometric surveys - Body dimensions	
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	17.020; 61.020
Defines the standard method of measuring people for the preparation of garment measurements (including girth), vertical measurements and other measurements.	patterns and garment construction. Covers horizontal
SANS 8566-1:2002 / ISO 8566-1:1992 (2008-07-18) Cranes - Cabins Part 1: General	
Ed 1.00 A4 6p EN	Gr 5
PDF 6p EN	53.020.20
Specifies the general requirements for cabins from which cranes, as defined in ISC	O 4306-1, are operated.
SANS 8566-2:2007 / ISO 8566-2:1995 (2013-02-22) Cranes - Cabins Part 2: Mobile cranes	
Ed 1.00 A4 8p EN	Gr 6
PDF op EN	53.020.20
Establishes the criteria for cabins for mobile cranes as defined in ISO 4306-2. The and not for road travel. The general criteria for cabins on mobile cranes are preser adoption under the designation SANS 8566-1).	ese criteria are intended to cover cabins only for crane operation nted in ISO 8566-1 (published in South Africa as an identical
SANS 8566-3:2007 / ISO 8566-3:1992 Cranes - Cabins Part 3: Tower cranes	
Ed 1.00 A4 7p EN	Gr 6
PDF 7p EN	53.020.20
Specifies the requirements for cabins for tower cranes, as defined in ISO 4306-3 (p designation SANS 4306-3). The general requirements for cabins for cranes, as de Africa as an identical adoption under the designation SANS 4306-3). It also specif provided instead of a cabin.	published in South Africa as an identical adoption under the fined in IS0 4306-1, are given in IS0 8566-I (published in South ies the main characteristics of the control station which may be
SANS 8566-4:2008 / ISO 8566-4:1998 Cranes - Cabins Part 4: Jib cranes	
Ed 1.00 A4 6p EN	Gr 5
PDF 6p EN	53.020.20
Specifies the requirements for cabins for jib cranes as defined in ISO 4306-1.	
SANS 8566-5:2002 / ISO 8566-5:1992 (2008-07-18) Cranes - Cabins Part 5: Overhead travelling and portal bridge cranes	
Ed 1.00 A4 4p EN	Gr 4
FUT the Liv	53.020.20
Latabilities the requirements for cabins for overhead travening and portal bridge c	nanco ao ucinicu in 100 4000-1.
SANS 8601:2009 / ISO 8601:2004 Data elements and interchange formats - Information interchange - Represen	ntation of dates and times
Ed 2.00 A4 40p EN	Gr 11
PDF 40p EN	01,140,30; 35,040

Applies whenever representation of dates in the Gregorian calendar, times in the 24-hour timekeeping system, time intervals and recurring time intervals or of the formats of these representations are included in information interchange. Does not cover dates and times where words are used in the representation and dates and times where characters are not used in the representation.

SANS 86	52-1:1988 / ISO 8662-1:1988	(2012-10-05)	
(SABS IS	U 8662-1) d nortable nower tools - Mer	asurement of vibrations at the handle Pa	rt 1. General
Fd 1 00	A4 7n FN	solement of vibrations at the handle Pa	Gr 6
24 1.00	PDF 7p EN		13.160; 25.140.01
Describes	the basic requirements for ev	valuating vibrations in the handles of hand-h	eld power-driven tools.
Am 1(Nat	ional), 2006-12-01		
SANS 86	52-2·1992 / ISO 8662-2·1992	(2006-12-15)	
(SABS IS	O 8662-2)		
Hand-hel	d portable power tools - Mea	asurement of vibrations at the handle Pa	rt 2: Chipping hammers and riveting hammers
Ed 1.00	A4 17p EN		Gr 9
	PDF 17p EN		13.160; 25.140.01
Specifies Am 1(Nat	a laboratory method for meas ional), 2006-12-15	uring the vibrations at the handles of hand-h Am 1(International), 2006-12-15	held power driven chipping hammers and riveting hammers.
SANS 86	52-3:1992 / ISO 8662-3:1992	(2006-12-15)	
(SABS IS	O 8662-3)		
Hand-hel	d portable power tools - Mea	asurement of vibrations at the handle Pa	rt 3: Rock drills and rotary hammers
Ed 1.00	A4 17p EN		Gr 9
			13.160; 25.140.01
Specifies Am 1(Nat	a laboratory method of measu ional), 2006-12-15	ring the vibrations at the handles of hand-h Am 1(International), 2006-12-15	eld power driven rock drills and rotary hammers.
SANS 86	52-4:1994 / ISO 8662-4:1994	(2006-12-01)	
Hand-hel	d portable power tools - Mea	asurement of vibrations at the handle Pa	rt 4: Grinders
Ed 1.00	A4 16p EN		Gr 9
	PDF 16p EN		13.160; 25.140.01
Specifies Am 1(Nat	a laboratory method for meas ional), 2006-12-01	uring the vibrations at the handles of hand-h	neld power-driven grinders.
SANS 86	52-5·2003 / ISO 8662-5·1992	(2009-02-20)	
Hand-hel	d portable power tools - Mea	asurement of vibrations at the handle Pa	rt 5: Pavement breakers and hammers for construction
work			
Ed 1.00	A4 17p EN		Gr 9
			13.160; 25.140.01
Specifies constructi load. The Am 1(Inte	a laboratory method for meas on work. It is a type test proce power tools may be electricall prnational), 2003-04-25	uring the vibrations at the handles of hand- dure for establishing the magnitude of vibra y, pneumatically or hydraulically driven, or o	held power driven pavement breakers and hammers for tion in the handle of a power tool operating under a specified driven by means of an internal combustion engine.
SANS 86	52-6·2003 / ISO 8662-6·1994	(2009-02-20)	
Hand-hel	d portable power tools - Mea	asurement of vibrations at the handle Pa	rt 6: Impact drills
Ed 1.00	A4 11p EN		Gr 7
	PDF 11p EN		13.160; 25.140.01
Specifies procedure	a laboratory method of measu for establishing the magnitud	ring the vibrations occurring at the handles le of vibrations at the handles of impact drill	of hand-held power driven impact drills. It is a type test s operating under a specified load.
SANS 860 Hand-hel	52-7:2003 / ISO 8662-7:1997 d portable power tools - Mea	(2009-02-20) asurement of vibrations at the handle Pa	rt 7: Wrenches, screwdrivers and nut runners with
impact, ii	npulse or ratchet action		
Ed 1.00	A4 29p EN		Gr 10
	РОР 290 ЕМ		13.160; 25.140.01
Specifies ratchet ac The powe	a laboratory method for meas tion. It is a type-test procedure r tools may be pneumatically o	uring vibrations at the handles of wrenches, a for establishing the vibration value at the h or hydraulically driven.	, screwdrivers and nut runners with impact, impulse, rapping or nandles of the power tools when operating on a specified load.
SANS 86	62-8:2003 / ISO 8662-8:1997	(2009-02-20)	
Hand-hel sanders	d portable power tools - Mea	asurement of vibrations at the handle Pa	rt 8: Polishers and rotary, orbital and random orbital
Ed 1.00	A4 13p EN		Gr 7
	гог ізрем		13.160; 25.140.10

Specifies a laboratory method for measuring the vibrations at the handles of a hand-held pneumatic polisher or rotary, orbital or random orbital sander. It is a type test procedure for establishing the magnitude of vibrations at the handles of the power tool when operating under a specified load.

Gr 7

13.160; 25.140.01

13,160:25,140,01

13.160; 25.140.01

SANS 8662-9:2003 / ISO 8662-9:1996 (2009-02-20)

Hand-held portable power tools - Measurement of vibrations at the handle Part 9: Rammers

Ed 1.00 A4 13p EN PDF 13p EN

Specifies a laboratory method of measuring the vibrations at the handles of rammers, backfill rammers, pawing rammers and sand rammers for use in foundries, on building sites, etc. It is a type test procedure for establishing the magnitude of vibrations at the handles of the power tool when operating on the specified load.

SANS 8662-10:2003 / ISO 8662-10:1998 (2009-02-20)

Hand-held portable power tools - Measurement of vibrations at the handle Part 10: Nibblers and shears Ed 1.00 A4 15p EN Gr 8

PDF 15p EN

Specifies a laboratory method of measuring the vibrations at the handles of hand-held pneumatically or hydraulically driven nibblers and shears. It is a type-test procedure for establishing the vibration value at the handles of the power tool when operating on a specified load.

SANS 8662-11:2003 / ISO 8662-11:1999 (2009-02-20)

Hand-held portable power tools - Measurement of	of vibrations at the handle Part 11: Fastener driving tools
Ed 1.00 A4 15p EN	Gr 9

Ed 1.00 A4 15p Er PDF 15p EN

Specifies a laboratory method for measuring the single-event vibration at the handle of fastener driving tools, where a single event is a mechanical shock or a series of individual shocks at intervals longer than 0,2 s. It is a type test procedure for establishing the vibration value in the handle of a hand-held power tool operating under a specified load.

Am 1(International), 2003-04-25

SANS 8662-12:2003 / ISO 8662-12:1997 (2009-02-20) Hand-held portable power tools - Measurement of vibrations at the handle Part 12: Saws and files with reciprocating action and saws with oscillating or rotating action

Ed 1.00 A4 13p EN PDF 13p EN

Specifies a laboratory method for measuring the vibrations at the handles of hand-held pneumatic saws with reciprocating, rotating or oscillating action and files with reciprocating action. It is a type-test procedure for establishing the magnitude of vibrations at the handles of the power tool when operating under a specified load.

SANS 8662-13:2003 / ISO 8662-13:1997 (2009-02-20)

Hand-held portable power tools - Measurement of vibrations at the handle Part 13: Die grinders

Ed 1.00 A4 17p EN	Gr 8
PDF 17p EN	13.160; 25.140.10

Specifies a laboratory method for measuring the vibration at the handles of power-driven die grinders where the inserted tool is mounted in a collet. It is a type-test procedure for establishing the vibration value at the handles of the die grinder when fitted with a specified test device. It applies to die grinders which are pneumatically driven.

Cor 1(International), 2003-04-25

SANS 8662-14:2003 / ISO 8662-14:1996 (2009-02-20)

Hand-held portable power tools -	Measurement of vibrations at the handle Part 14: Stone-working tools and needle scalers
Ed 1 00 A4 14n EN	Gr 7

Ed	1.00	A4 14p EN
		PDF 14p EN

Specifies a laboratory method of measuring the vibrations at the handles of hand-held stone-working power tools and needle scalers. It is a type test procedure for establishing the magnitude of vibrations at the handles of the power tool when operating on the artificial load. The power tools may be pneumatically or hydraulically driven.

SANS 8665:2008 / ISO 8665:2006

Small craft - Marine propulsion reciprocating internal combustion engines - Power measurements and declarations

Ed 1.00 A4 11p EN PDF 11p EN

Specifies the requirements additional to ISO 15550 for determining the power of marine propulsion reciprocating internal combustion (RIC) engines when presented for documenting and checking of the declared (rated) power published by the manufacturer. Applies to engines used for propulsion of recreational craft and other small craft of up to 24 m hull length.

SANS 8666:2008 / ISO 8666:2002 Small craft - Principal data

onnan on	an - i moipaí data	
Ed 1.00	A4 25p EN	Gr 10
	PDF 25p EN	47.080

Establishes uniformity of definitions of main dimensions and related data, and of mass specifications and loading conditions. Applies to small craft of hull length up to 24 m.

Gr 7 13.160; 25.140.10

13.160; 25.140.01

Gr 7 47.080

PDF 27p EN	25.140.01; 25.140.30
Specifies the shapes and dime cross-recessed head screws. recesses are specified in ISO 8764-2.)	ensions, technical requirements and torque test methods for the tips of hand drivers and of machine-op It specifies two forms of driver tips: form PH for form H recesses and form PZ for form Z recesses. (H 4757, while general requirements, lengths of blades and marking of hand-operated screwdrivers are g
SANS 8764-2:2009 / ISO 8764	1-2:2004
Assembly tools for screws a and marking of hand-operat	nd nuts - Screwdrivers for cross-recessed head screws Part 2: General requirements, lengths or ed screwdrivers
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	25.140.30
Specifies general requirement specified in ISO 4757. The specified	s, lengths of blades and marking of hand-operated screwdrivers for H and Z cross-recessed head scre ecifications for blade tips are given in ISO 8764-1.
SANS 8770:2008 / ISO 8770:	2003
Plastics piping systems for	soil and waste discharge (low and high temperature) inside buildings - Polyethylene (PE)
Ed 1.00 A4 31p EN	Gr 11
PDF 31p EN	23.040.20; 23.040.45; 83.140.30
Specifies the requirements for buildings, as well as the systemeters buildings and the systemeters of the sy	solid-wall polyethylene (PE) pipes and fittings for soil and waste discharge (low and high temperature) n itself. It does not include buried pipework.
	Standards South Africa Catalogue 2013
	NUM - 407

Gr 10 Ed 1.00 A4 27p EN

Specifies perated bits for cross-rec and Z form recesses iven in ISO

SANS 87 Assemb of blades

SANS 8764-1:2009 / ISO 8764-1:2004

Establishes a vocabulary of terms used in international standards generally in relation to electric road vehicles. It is not intended to give definitions

Ed 1.00 A4 30p EN Gr 10 PDF 30p EN 43.120 Specifies test procedures for measuring the reference energy consumption and reference range of purely electrically propelled passenger cars and commercial vehicles of a maximum authorized total mass of 3 500 kg and a maximum speed of 70 km/h or more.

of all parts within a vehicle, but focuses on terms specific to electric road vehicles.

lectric	road vehicles - Road operating characteristics	
d 1.00	A4 22p EN	Gr 9
	PDF 22p EN	43 120

SANS 8715:2010 / ISO 8715:2001

Electric	road vehicles - Road operating characteristics	
Ed 1.00	A4 22p EN	Gr 9

Specifies the procedures for measuring the road performance of purely electrically propelled passenger cars and commercial vehicles of a

Electric road vehicles - Reference energy consumption and range - Test procedures for passenger cars and light commercial

		•				•
maximur	n authorized total mass	of 3 500 kg.				

Assembly tools for screws and nuts - Screwdrivers for cross-recessed head screws Part	1: Driver tips

8764-2.)

SANS 87

Plastics Ed 1.00

SANS 8686-3:2007 / ISO 8686-3:1998 (2013-02-22)

Cranes - Design principles for loads and load combinations Part 3: Tower cranes Gr 6

53.020.20

Gr 10

01.040.43; 43.120

inside

Gr 11

01.080.20; 53.020.20

Gives specific values for factors to be used for loads on tower cranes.

Cranes - Design principles for loads and load combinations Part 1: General

SANS 8686-5:2003 / ISO 8686-5:1992 (2009-01-16)

SANS 8686-1:2009 / ISO 8686-1:1989

PDF 33p EN

PDF 10p EN

SANS 8713:2010 / ISO 8713:2005 Electric road vehicles - Vocabulary

PDF 23p EN

SANS 8714:2010 / ISO 8714:2002

Ed 1.00 A4 33p EN

Ed 1.00 A4 10p EN

Ed 1.00 A4 23p EN

vehicles

Cranes - D	Design principles for loads and load combinations Part 5: Overhead	travelling and portal bridge cranes
Ed 1.00 A	44 6p EN	Gr 5
F	PDF 6p EN	53.020.20
Establishes	s the application of ISO 8686-I to overhead travelling and portal bridge cr pe used.	ranes as defined in ISO 4306-1, and gives specific values for the

NUMERICAL LIST OF STANDARDS

Establishes general methods for calculating loads, and principles to be used to select load combinations for proofs of competence for the structural and mechanical components of cranes as defined in ISO 4306-1. Provides the general form, content and ranges of parameter values for more specific standards to be developed for individual lifting appliance types. Provides a framework for agreement on loads and load combinations between a designer or manufacturer and an appliance purchaser for those types of lifting appliances where specific standards do not exist.

SANS 8772:2010 / ISO 8772:2006

Plastics piping systems for non-pressure underground drainage and sewerage - Polyethylene (PE)

Ed 1.00 A4 27p EN PDF 27p EN

Specifies the requirements for polyethylene (PE) pipes, fittings and piping systems intended for use for non-pressure underground drainage and sewerage for the conveyance of soil and waste discharge of domestic and industrial origin, as well as surface water.

SANS 8773:2007 (2011-12-01)

Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene (PP)

Ed 2.00	A4 27p EN	
	PDF 27p EN	

ISO 8773:2006, MOD

Specifies the requirements for polypropylene (PP) pipes, fittings and piping systems intended for use for non-pressure underground drainage and sewerage for the conveyance of soil and waste discharge of domestic and industrial origin, as well as surface water. Am 1(National), 2011-12-01

SANS 8777:2010 / ISO 8777:1993

Information and documentation - Commands for interactive text searching				
Ed 1.00	A4 28p EN	Gr 10		
	PDF 28p EN	35,240,30		

Specifies a basic set of commands for the interactive search of retrieval systems data and the types of response expected from the processing system. Is intended for use by designers and users of information retrieval systems, including computer-based library catalogues and computerbased database access and search facilities.

SANS 8779:2010 / ISO 8779:2010

Plastics piping systems - Polyethylene (PE) pipes for irrigation - Specifications

Ed 1.00	A4 19p EN		
	PDF 19p EN		

Specifies the pipes (mains, sub-mains and laterals) with nominal outside diameters from 12 mm up to and including 63 mm made from polyethylene (PE) intended to be used for the conveyance of water for irrigation.

SANS 8825-1:2007 / ISO/IEC 8825-1:2002 (2011-12-15)

Information technology - ASN.1 encoding rules: Sp	ecification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and
Distinguished Encoding Rules (DER)	
Ed 1.00 A4 33p EN	Gr 11
PDF 33p EN	35,100,60

Defines a set of Basic Encoding Rules (BER) that may be applied to values of types defined using the ASN.1 notation. Application of these encoding rules produces a transfer syntax for such values. Also defines a set of Distinguished Encoding Rules (DER) and a set of Canonical Encoding Rules (CER) both of which provide constraints on the Basic Encoding Rules (BER). The key difference between them is that DER uses the definite length form of encoding and is more suitable for the small encoded values, while CER uses the indefinite length form and more suitable for the larger ones. It is implicit in the specification of these encoding rules that they are also used for decoding.

Am 1(International), 2007-03-02

SANS 8825-2:2007 / ISO/IEC 8825-2:2	002 (2011-12-15)	
Information technology - ASN.1 enco	ding rules: Specification of Packed E	ncoding Rules (PER)
Ed 1.00 A4 53p EN		Gr 13
PDF 53p EN		35.100.60
Describes a set of encoding rules that c achieved by the Basic Encoding Rules	an be applied to values of all ASN.1 typ and its derivatives that are described in	es to achieve a much more compact representation than that ITU-T Rec.X.690/ISO/IEC 8825-1.
Am 1(International), 2007-03-02	Cor 1(International), 2007-03-02	Cor 2(International), 2007-03-02
SANS 8825-3:2007 / ISO/IEC 8825-3:2	002 (2011-12-15)	
Information technology - ASN.1 enco	ding rules: Specification of Encoding	Control Notation (ECN)
Ed 1.00 A4 192p EN		Gr 19
PDF 192p EN		35.100.60
Defines the Encoding Control Notation rules such as the Basic Encoding Rules	(ECN) used to specify encodings (of AS (BER) and the Packed Encoding Rules	N.1 types) that differ from those provided by standardized encoding (PER).
Am 1(International), 2007-03-02	Cor 1(International), 2007-03-02	Am 2(International), 2007-03-02
SANS 8825-4:2007 / ISO/IEC 8825-4:2	002 (2011-12-15)	
Information technology - ASN.1 enco	ding rules: XML Encoding Rules (XE	R)
Ed 1.00 A4 16p EN		Gr 8
PDF 16p EN		35.100.60
Specifies encoding rules for values of A Am 1(International), 2007-03-02	SN.1 types using the Extensible Markup Am 2(International), 2007-03-02	b Language (XML).

Gr 10

23.040.20; 23.040.45; 91.140.80; 93.030

Gr 10

Gr 9 23.040.20; 65.060.35

23.040.20; 23.040.45

Small craft - Remote steering systems 20.70 single and twin installations of outboard motors of over 15 kW power, and all inboard motors, inboard motor-outdrives, and waterjet drives. بلام مرالم ال 6 080

Specifies requirements for electrically operated direct-current bilge pumps intended for use in removing bilge water from small craft of hull length up to 24 m. Applies to electrically operated bilge pumps rated for less than 50 V direct current. Does not cover pumps intended for damage control.

NUMERICAL LIST OF STANDARDS

SANS 8825-5:2007 / ISO/IEC 8825-5:2004 (2011-12-15)

Information technology - ASN.1 encoding rules: Mapping W3C XML schema definitions into ASN.1

Ed 1.00 A4 66p EN PDF 66p EN

Defines rules for mapping an XSD schema (a schema that conforms to the W3C XML schema specification) to an ASN.1 schema in order to use ASN.1 encoding rules such as the Basic Encoding Rules (BER), the Distinguished Encoding Rules (DER), the Packed Encoding Rules (PER) or the XML Encoding Rules (XER) for the transfer of information defined by the XSD schema. Provides the same XML representation of values as that defined by the original XSD schema when used with the ASN.1 Extended XML Encoding Rules (EXTENDED-XER). Cor 1(International), 2007-03-02

SANS 8826-1:2005 / ISO 8826-1:1989 (2010-04-30)

Technical drawings - Rolling bearings Part 1: General simplified representation

Ed 1.00	A4 7p EN	Gr 6
	PDF 7p EN	01.100.20; 21.100.20
Specifies	the general simplified representation for rolling bearings.	

SANS 8833:1989 / ISO 8833:1989 (2007-09-28)

(SABS ISO 8833)

Magnetite for use in coal preparation - Test methods

0		
Ed 1.00	A4 14p EN	Gr 8
	PDF 14p EN	73.060.10; 75.160.10

Specifies methods for the sampling and testing of magnetite for use in coal preparation. The test methods are intended primarily for the testing of milled magnetite, the largest particle size of which is usually less than 250 um. However, the tests are also applicable to unmilled magnetite with an upper particle size limit of about 500 um.

Am 1(National), 2007-09-28

SANS 8845:2008 / ISO 8845:1994 Small craft with inboard engine - Propeller shaft ends and bosses with 1:16 taper

	Gro
PDF 11p EN	47.020.20; 47.080

Specifies the dimensions for interchangeability of propeller bosses (hubs) and propeller shaft ends in the shaft diameter range of 20 mm to 160 mm with a taper of 1:16, intended for installation in inboard-engined recreational and commercial small craft. Cor 1(International), 2008-01-18

SANS 8846:2008 / ISO 8846:1990

Small craft - Electrical devices - Protection against ignition of surrounding flammable gases

	•	•	•		•	
Ed 1.00 A4 10p EN				Gr 6		
PDF 10p EN				47.020.6	60	

Describes test methods and requirements for the design of electrical devices to be used on small craft so that they may be operated in an explosive atmosphere without igniting surrounding flammable gases. Does not cover ignition protection procedures for products or components that may operate in hydrogen and air mixtures, nor mechanisms of ignition from external sources, such as static electricity, lightning or other factors not related to the apparatus under test.

SANS 8847:2008 / ISO 8847:2004

Small cr	mall craft - Steering gear - Cable and pulley systems				
Ed 1.00	A4 12p EN PDF 12p EN	Gr 7 47.080			

Specifies the minimum level of requirements for operation, construction and installation of cable and pulley steering systems on sailing craft of hull length up to 24 m, with or without an auxiliary engine. Sets requirements for the design and construction of all components of a steering system from the wheel to, and including, the steering arm. Applies only to cable and pulley steering systems, whether for pedestal or bulkhead types.

SANS 8848:2008 / ISO 8848:1990

Small crait - Remote steering systems	
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	47.02

Specifies requirements and test methods for remote push-pull cable steering systems and their major component items, used for small craft with

SANS 8849:2008 / ISO 8849:2003

Small cr	aft - Electrically operated direct-current bilge pumps	
Ed 1.00	A4 8p EN	Gr
	PDF 8p EN	47.0

35.100.60

Gr 14

SANS 8 (SABS I	914:1990 / ISO 8914:1990 (2007-02-23) SO 8914)	
Microbi	ology - General guidance for the detection of Vibr	io parahaemolyticus
Ed 1.00		Gr 9
	FDF 1/p EN	07.100.30
Gives g Am 1(N	eneral guidance for the detection of Vibrio parahaemo ational), 2007-02-23	olyticus present in products intended for human consumption or animal feeding stuffs.
SANS 8 Milk - D	968-1:2006 / ISO 8968-1 (IDF 20-1):2001 (2012-05-2 etermination of nitrogen content Part 1: Kieldah)	25) method
Ed 1 00	A4 18n FN	Gr 8
20 1.00	PDF 18p EN	67.100.10
Specifie	s a method for the determination of the nitrogen cont	ent of liquid milk, whole or skimmed, by the Kjeldahl principle.
SANS 8	968-2:2006 / ISO 8968-2 (IDF 20-2):2001 (2012-05-1	8)
Milk - D	etermination of nitrogen content Part 2: Block-dig	jestion method (Macro method)
Ed 1.00	PDF 16p EN	Gr 8
	ГЫТОРЕМ	67.100.10
Specifie	s a method for the determination of the nitrogen cont	ent of liquid milk, whole or skimmed, by the block-digestion principle.
SANS 8	968-4:2006 / ISO 8968-4 (IDF 20-4):2001 (2012-05-2	25)
	etermination of hitrogen content Part 4: Determin	ation of non-protein-introgen content
Eu 1.00	PDF 13p EN	67 100 10
Specifie	s a method for the determination of the non-protein n	itrogen content of liquid milk, whole or skimmed.
SANS 8	968-5:2006 / ISO 8968-5 (IDE 20-5):2001 (2012-05-2	25)
Milk - D	etermination of nitrogen content - Part 5: Determi	nation of protein-nitrogen content
Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	67.100.10
Specifie	s a method for the direct determination of the protein	nitrogen content of liquid milk, whole or skimmed.
SANS 8	990:2010 / ISO 8990:1994	
Therma	I insulation - Determination of steady-state therma	al transmission properties - Calibrated and guarded hot box
Ed 1.00	A4 26p EN	Gr 10
	PDF 20p EN	27.220
Lays do state the	wn the principles for the design of the apparatus and ermal transmission properties of building components	minimum requirement that shall be met for determination of the laboratory steady and similar components for industrial use.
SANS 9	000:2005 / ISO 9000:2005 (2011-02-24) SO 9000)	
Quality	management systems - Fundamentals and vocab	ulary
Ed 3.00	A4 37p EN	Gr 11
	PDF 37p EN	01.040.03; 03.120.10
Describe impleme satisfied custome requiren advice o	es fundamentals of quality management systems and entation of a quality management system, organizatio I, users of the products, those concerned with a mutu ers, regulators), those internal or external to the organ nents of SANS 9001 (e.g. auditors, regulators, certific or training on the quality management system appropriate	I defines related terms. Applies to organizations that seek advantage through the ns that seek confidence from their suppliers that their product requirements will be al understanding of the terminology used in quality management (e.g. suppliers, nization who assess the quality management system or audit it for conformity with the ation/registration bodies), those internal or external to the organization who give riate to that organization, and developers of related standards.
SANS 9 (SABS I	001:2008 / ISO 9001:2008 (2009-12-11) SO 9001)	
Quality	management systems - Requirements	
Ed 4.00	A4 36p EN	Gr 11
	PDF 36p EN	01 040 03: 03 120 10

PDF 36p EN 01.040.03; 03.120.10 Specifies requirements for a quality management system where an organization needs to demonstrate its ability to consistently provide a product that meets customer and applicable regulatory requirements, and aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Cor 1(International), 2009-12-11

Gr 18 03.120.10

Gr 13 03.120.10

Gr 10

Gr 7

91 100 50

25.160.10

ISO 9001 SMALL BUSINESSES:2010 / ISO 9001 Small Businesses:

ISO 9001 for Small Businesses - What to do - Advice from ISO/TC 176 (Hardcopy only)

Ed 3.00 A5 165p EN

Gives small and medium-sized enterprises (SME's) advice on implementing an ISO 9001-based quality management system.

SANS 9004:2010 / ISO 9004:2009

(SABS ISO 9004)

Managing for the sustained success of an organization - A quality management approach

Ed 3.00	A4 53p EN		
	PDF 53p EN		

Provides guidance to organizations to support the achievement of sustained success by a guality management approach. Is applicable to any organization, regardless of size, type and activity. Is not intended for certification, regulatory or contractual use.

SANS 9013:2006 / ISO 9013:2002 (2012-12-14)

(SABS ISO 9013)

Thermal cutting - Classification of thermal cuts	- Geometrical product specification and quality tolerances
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Ed 2.00 A4 30p EN PDF 30p EN

Valid for materials suitable for oxyfuel flame cutting of cuts from 3 mm to 300 mm, for plasma cutting of cuts from 1 mm to 150 mm and laser cutting of cuts from 0,5 mm to 40 mm. Includes geometrical product specifications and quality tolerances.

SANS 9048:1987 / ISO 9048:1987 (2001-02-20)

(SABS ISO 9048)

Building construction - Jointing products - Determination of extrudability of sealants using standardized apparatus

Ed	1.00	A4 8p EN
		PDF 8p EN

Specifies a method for the determination of extrudability of one-component or multi-component sealants regardless of the kind of packages in which they are supplied or from which they are applied to joints in buildings.

SANS 9075-3:2010 / ISO/IEC 9075-3:2008

Information technology - Database languages - SQL Part 3: Call-Level Interface (SQL/CLI)

Ed 1.00	A4 404p EN		
	PDF 404p EN		

Defines the structures and procedures that are used to execute statements of the database language SQL from within an application written in a programming language in such a way that procedures used are independent of the SQL statements to be executed.

SANS 9075-9:2010 / ISO/IEC 9075-9:2008

Informat	ion technology -	Database languages - SQI	L Part 9: Management of	External Data (SQL/MED)
Ed 1.00	A4 486p EN			Gr 25	
	PDF 486p EN			35.060	

Defines extensions to Database Language SQL to support management of external data through the use of foreign-data wrappers and datalink types.

Cor 1(International), 2010-11-26

SANS 9075-10:2010 / ISO/IEC 9075-10:2008

Information technology - Database languages - Se	QL Part 10: Object Language Bindings (SQL/OLB)
Ed 1.00 A4 415p EN	Gr 24
PDF 415p EN	35.060
Defines extensions to the SQL language to support e	mbedding of SQL statements into programs written in the Java programming language.
opecines mechanisms to ensure binary portability of	resulting applications.

Cor 1(International), 2010-11-26

SANS 9080:2004 / ISO 9080:2003 (2009-07-31)

Plastics piping and ducting systems - Determination of the long-term hydrostatic strength of thermoplastics materials in pipe form by extrapolation

Ed 1.00 A4 30p EN PDF 30p EN

Describes a method for estimating the long-term hydrostatic strength of thermoplastics materials by statistical extrapolation. The method is applicable to all types of thermoplastics pipe at applicable temperatures. It was developed on the basis of test data from pipe systems. The dimensions of the pipes to be tested may be specified in the relevant product/system standards and, if so, are included in the test report.

Gr 24 35.060

Gr 10

23.040.20; 83.080.20

Standards South Africa Catalogue 2013 NUM - 412

NUMERICAL LIST OF STANDARDS

Specifies the maximum external leakage rates which are acceptable for equipment used for welding, cutting and allied processes. Applies to individual components which are used in the gas supply to a blowpipe from the connecting point of the hose. Does not apply to gas supply plants. Am 1(National), 2006-09-15 SANS 9093-1:2008 / ISO 9093-1:1994 Small craft - Seacocks and through-hull fittings Part 1: Metallic Ed 1.00 A4 8p EN Gr 6 PDF 8p EN 47.020.30 Specifies requirements for metallic through-hull fittings, seacocks and hose fittings that specifically form part of water intake and discharge lines, and for wet exhaust outlets used in small craft of hull length up to 24 m. SANS 9093-2:2008 / ISO 9093-2:2002 Small craft - Seacocks and through-hull fittings Part 2: Non-metallic Ed 1.00 A4 13p EN Gr 7 PDF 13p EN 47.080

Specifies requirements for the manufacture and installation of non-metallic through-hull fittings or assemblies (or both) comprising through-hull fittings, seacocks, hose fittings and/or drain plugs and components attached thereto, used in small craft of hull length up to 24 m. Is not applicable to engine exhaust fittings or sail drive through-hull connections.

SANS 9094-1:2008 / ISO 9094-1:2003

SANS 9090:1989 / ISO 9090:1989 (2012-11-02)

Gas tightness of equipment for gas welding and allied processes

(SABS ISO 9090)

Ed 1.00 A4 7p EN

PDF 7p EN

Small craft - Fire protection Part 1: Craft with a hull length of up to and including 15 m

Ed 1.00 A4 27p EN PDF 27p EN

Defines procedures to achieve a practical degree of fire protection, specifies portable fire-fighting equipment and sets requirements for fixed firefighting systems. Applies to small craft of all types with a hull length, LH, not exceeding 15 m. Does not cover personal watercraft.

SANS 9094-2:2008 / ISO 9094-2:2002

Small craft - Fire protection Part 2: Craft with a hull length of over 15 m	

Ed 1.00	A4 30p EN	Gr
	PDF 30p EN	13.2

Defines procedures to achieve a practical degree of fire protection, specifies portable firefighting equipment and sets requirements for fixed firefighting systems. Applies to small craft of all types with a hull length, LH, greater than 15 m and up to and including 24 m.

SANS 9097:2008 / ISO 9097:1991

Small craft - Electric fans Gr 5 Ed 1.00 A4 6p EN PDF 6p EN 47.080

Specifies requirements and describes test methods for measuring the airflow of fans intended for use in engine compartments, galley areas and other spaces on small craft in which mechanical ventilation is desirable. Applies to electrically operated fans rated for less than 50 V direct current.

SANS 9117:1990 / ISO 9117:1990 (2007-03-02) (CADC 100 0117

(SADS IS	50 9117)	
Paints a	nd varnishes - Determinatio	n of through-dry state and through-dry time - Method of test
Ed 1.00	A4 9p EN	Gr 7
	PDF 9p EN	87.040

Specifies a test method for determining under standard conditions whether a single coat or a multi-coat system of paint or related material has, after a specified drying period, reached the through-dry state, i.e. a pass/fail test.

Am 1(National), 2007-03-02

Software engineering - Product quality Part 1: Quality model

Ed 1.00	A4 31p EN			-	C	Gr 11
	PDF 31p EN				3	5.080

Describes a two-part model for software product quality: (a) internal quality and external quality, and (b) quality in use. The first part of the model specifies six characteristics for internal and external quality, which are subdivided into subcharacteristics. These subcharacteristics are manifested externally when the software is used as a part of a computer system, and are a result of internal software attributes. The second part of the model specifies four quality in use characteristics. The characteristics are applicable to every kind of software, including computer programs and data confined in firmware.

Gr 6

25,160,30

13.220.01: 47.080

Gr 10

10 220.01; 47.080

SANS 9126-2:2004 / ISO/IEC TR 9126-2:2003 (2009-02-06)

Sof	tware	engineer	ring - Pro	duct qua	ality Part	2: Exter	nal metrics
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Ed 1.00	A4 94p EN				Gr 15
	PDF 94p El	N		:	35.080

Defines external metrics for quantitatively measuring external software quality in terms of characteristics and sub-characteristics defined in SANS 9126-1. It contains an explanation of the application of software quality metrics, a basic set of metrics for each sub-characteristic and an example of how to apply the metrics during the software product life cycle. It can be applied to any kind of software for any application. Users can select or modify and apply metrics and measures from this standard or may define application-specific metrics for their individual application domain.

SANS 9126-3:2004 / ISO/IEC TR 9126-3:2003 (2009-02-06) Software engineering - Product quality Part 3: Internal metrics

Ed 1.00	A4 70p EN	Gr 14
	PDF 70p EN	35.080

Defines internal metrics for quantitatively measuring external software quality in terms of characteristics and sub-characteristics defined in SANS 9126-1. It contains an explanation of the application of software quality metrics, a basic set of metrics for each sub-characteristic and an example of how to apply the metrics during the software product life cycle. It can be applied to any kind of software for any application. Users can select or modify and apply metrics and measures from this standard or may define application-specific metrics for their individual application domain.

SANS 9126-4:2004 / ISO/IEC TR 9126-4:2004 (2009-02-06) Software engineering - Product quality Part 4: Quality in use metrics Ed 1.00 A4 66p EN Gr 14 PDF 66p EN 35 080 Defines guality in use metrics for the characteristics defined in SANS 9126-1. It contains an explanation of how to apply software guality metrics, a basic set of metrics for each characteristic and an example of how to apply metrics during the software product life cycle. SANS 9127:1988 / ISO 9127:1988 (2007-01-26) (SABS ISO 9127) Information processing systems - User documentation and cover information for consumer software packages Ed 1.00 A4 12p EN Gr 7 PDF 12p EN 35.080 Describes the user documentation and cover information supplied with consumer software packages. Is applicable to software sold off-the-shelf to consumers for business, scientific, educational and home use. Am 1(National), 2007-01-26 SANS 9147:1987 / ISO 9147:1987 (2012-06-22) (SABS ISO 9147) **Pig-irons - Definition and classification** Ed 1.00 A4 7p EN Gr 6 PDF 7p EN 77.080.10 Defines pig-irons and the sub-division of pig-irons into different classes. Am 1(National), 2006-12-15 SANS 9177-1:1989 / ISO 9177-1:1989 (2007-10-05) (SABS ISO 9177-1) Mechanical pencils Part 1: Classification, dimensions, performance requirements and testing Ed 1.00 A4 10p EN Gr 6 PDF 10p EN 97.180 Specifies a classification, dimensions, performance requirements and testing for hand-held mechanical pencils used for draughting and writing. Am 1(National), 2007-10-05 SANS 9177-2:1989 / ISO 9177-2:1989 (2007-10-05) (SABS ISO 9177-2) Mechanical pencils Part 2: Black leads - Classification and dimensions Ed 1.00 A4 8p EN Gr 6 PDF 8p EN 97.180 Specifies a classification and dimensions for black leads used for mechanical pencils. Am 1(National), 1995-04-03 Am 2(National), 2007-10-05 SANS 9177-3:2009 / ISO 9177-3:1994 Mechanical pencils Part 3: Black leads - Bending strengths of HB leads Ed 1.00 A4 6p EN Gr 5 PDF 6p EN 01.100.40 Specifies bending strengths and a test method for black leads of HB hardness degree used for mechanical pencils for technical drawings.

SANS 9180:2009 / ISO 9180:1988 Black leads for wood-cased pencils - Classification and diameters	
Ed 1.00 A4 4p EN	Gr 4
Specifies a classification and diameters for black leads used for wood-cased pend	sils.
SANS 9187-1:2007 / ISO 9187-1:2006	
njection equipment for medical use Part 1: Ampoules for injectables	
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	11.040.20
Specifies materials, dimensions, capacities, performance and packaging requirem sharmaceutical products. Applies to ampoules intended for single use only with o force required to separate the ampoule stem from the body.	nents for three forms of glass ampoules for injectable or without a colour break-ring. Includes a test for determining the
SANS 9222-1:2006 / ISO 9222-1:1989 (2013-01-18)	
Technical drawings - Seals for dynamic application Part 1: General simplifie	
PDF 7p EN	01 100 20: 21 140
Specifies the general simplified representation for seals.	011100.20, 211140
SANS 9227:2007 / ISO 9227:2006	
SABS ISO 9227)	
Corrosion tests in artificial atmospheres - Salt spray tests	
-d 2.00 A4 27p EN PDE 27p EN	Gr 10
specifies the apparatus, the reagents and the procedure to be used in conducting copper-accelerated acetic acid salt spray (CASS) tests for assessment of the corr corrosion protection or temporary corrosion protection.	osion resistance of metallic materials with or without permanent
SANS 9229:2010 / ISO 9229:2007	
	Gr 12
PDF 42p EN	01.040.27:27.220
Specifies a vocabulary of terms used in the field of thermal insulation covering ma	aterials, products, components and applications.
SANS 9230:2009 / ISO 9230:2007	
nformation and documentation - Determination of price indexes for print an	d electronic media purchased by libraries
Ed 1.00 A4 29p EN	Gr 10
PDF 29p EN	01.140.20
Specifies a method for the determination of price indexes relating to the prices of calculating a price index of the national media production. The media included are	print and electronic media acquired by libraries. It is not meant for e restricted to books, serials and databases.
SANS 9272:2003 / ISO/TR 9272:1986 (2009-03-20)	
Rubber and rubber products - Determination of precision for test method sta	andards
Ed 1.00 A4 41p EN	Gr 12
	83.060
Presents guidelines for preparing clear and meaningful precision statements for IS and give needed definitions particular to rubber technology testing. They explain the equirements for interlaboratory programs needed in precision formulation. They a	50/16-45 test method standards. These expand upon the content he potential uses for standard test methods and give the also give the format for expressing precision.
SANS 9288:2010 / ISO 9288:1989	
Inermal insulation - Heat transfer by radiation - Physical quantities and defined a top of the transfer by radiation - Physical quantities and defined at the transfer by radiation - Physical quantities and defined at the transfer by radiation - Physical quantities and defined at the transfer by radiation - Physical quantities and defined at the transfer by radiation - Physical quantities and defined at the transfer by radiation - Physical quantities and defined at the transfer by radiation - Physical quantities and defined at the transfer by radiation - Physical quantities and defined at the transfer by radiation - Physical quantities at the transfer by radiati	
20 1.00 A4 22p EN PDF 22p EN	ิ เร 01 040 17: 17 200 10
Defines physical quantities and other terms in the field of thermal insulation relatir	ng to heat transfer by radiation.
SANS 9294:2007 / ISO/IEC TR 9294:2005	
nformation technology - Guidelines for the management of software docum	entation

Ed 2.00 A4 21p EN Gr 9 PDF 21p EN 35.080

Offers guidance on the management of software documentation to managers responsible for the production of software or software-based products. The guidance is intended to assist managers in ensuring that effective documentation is produced in their organization. All types of software documentation are covered, relating to all stages of the software life cycle.

Standards South Africa Catalogue 2013 NUM - 414

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4:2007 / ISO 9364:2006	
9364)	
s hot-dip aluminium/zinc-coated steel shee	et of commercial, drawing and structural qualities
4 21p EN	Gr 9
DF 21p EN	25.220.40; 77.140.50
ne characteristics of steel of commercial, draw ne product is intended for applications where t	ving and structural qualities coated by a continuous hot-dip aluminiur the corrosion characteristics of aluminium coupled with those of zinc
Standards	South Africa Catalogue 2013 NUM - 415

Specifies a titration method for the determination of dissolved chloride in water. The method is applicable to the direct determination of dissolved chloride in concentrations between 5 mg/L and 150 mg/L. The working range may be extended to 400 mg/L by using a burette of larger capacity or

by sample dilution. Due to many interferences, the meth Am 1(National), 2010-08-06	od is not applicable to heavily polluted waters of low chloride content.
SANS 9308-1:2004 / ISO 9308-1:2000 (2011-03-18)	
Water quality - Detection and enumeration of Escher	richia coli and coliform bacteria Part 1: Membrane filtration method
Ed 1.00 A4 17p EN	Gr 8
PDF 17p EN	07.100.20
Describes a reference method (Standard Test) for the d consumption. The Standard Test is based on membrane of target organisms in the sample. Cor 1(International), 2011-03-18	etection and enumeration of Escherichia coli and coliform bacteria in water for human e filtration, subsequent culture on a differential agar medium and calculation of the number
SANS 9308-2:2004 / ISO 9308-2:1990 (2010-08-13)	
Water quality - Detection and enumeration of colifor coli Part 2: Multiple tube (most probable number) m	m organisms, thermotolerant coliform organisms and presumptive Escherichia ethod
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	07.100.20
Specifies a method for the detection and enumeration in Escherichia coli (presumptive E. coli) by culture in a liqu	water of coliform organisms, thermotolerant coliform organisms and presumptive id medium in multiple tubes and calculation of their most probable numbers in the sample.

SANS 9308-3:2004 / ISO 9308-3:1998 (2010-08-20) Water quality - Detection and enumeration of Escherichia coli and coliform bacteria Part 3: Miniaturized method (Most Probable

Water quality - Determination of chloride - Silver nitrate titration with chromate indicator (Mohr's method)

Number)	for the detection and enumeration of E. coll in surface and waste wa	ater
Ed 1.00	A4 25p EN	Gr 10
	PDF 25p EN	07.100.20

Specifies a miniaturized method for the detection and enumeration of Escherichia coli (E. coli) in surface and waste water by inoculation in a liquid medium. The method is applicable to all types of surface and waste waters, particularly those rich in suspended matter. Cor 1(International), 2004-10-01

SANS 9312:1990 / ISO 9312:1990 (2012-11-02) (SABS ISO 9312) Resistance welding equipment - Insulated pins for use in electrode back-ups

Ed 1.00	A4 5p EN	 	Gr 5
	PDF 5p EN		25.160.30

Specifies the requirements for insulated pins used to pin parts in the secondary circuit of resistance welding equipment, or other live equipment, which need to be insulated from each other. Am 1(National), 2006-09-15

SANS 9313:1989 / ISO 9313:1989 (2006-09-15)

(SABS IS	SO 9313)	
Resistan	ce spot welding equipment - Cooling tubes	
Ed 1.00	A4 6p EN	Gr 7
	РОГ ОР ЕМ	25.160.30
Specifies	dimensions and tolerances of cooling tubes for resistance spot welding e	auipment.

nces of cooling tubes for resistance spot welding equipment. Am 1(National), 2006-09-15

SANS 9349:2010 / ISO 9349:2004

Preinsulated ductile iron pipeline systems

Ed 1.00 A4 11p EN PDF 11p EN

SANS 9297:2010

Ed 1.01 A4 7p EN

PDF 7p EN

Specifies the requirements and test methods applicable to preinsulated ductile iron pipes, fittings, accessories and their joints for the construction of pipelines.

SANS 9364

(SABS ISO

Continuou

Ed 2.00 A Р

m/zinc alloy coating Specifies th process. Th are desired.

Gr 5 13.060.50

77.140.75; 93.025

Gr 7

Specifies the principal requirements for instruments and measure testing cranes and related equipment. Gives recommended limit version	ment systems of test loads, distances, time and other relevant parameters when values of relative errors in measurement during testing.
SANS 9374-1:2002 / ISO 9374-1:1989 (2008-07-18) Crones - Information to be provided Bart 1: Ceneral	
	04
PDF 3p EN	Gr 4 53 020 20
Specifies generally the information to be provided by the purchase duty requirements and service conditions.	er and the manufacturer so that the most suitable crane can be provided for the
SANS 9374-3:2007 / ISO 9374-3:2002	
Cranes - Information to be provided for enquiries, orders, off	ers and supply Part 3: Tower cranes
Ed 1.00 A4.20p EN	Gr 9
PDF 20p EN	53.020.20
Specifies information to be provided by the purchaser when enqui manufacturer when offering (tendering) for a tower crane; and by	ring for a tower crane; by the purchaser when ordering a tower crane; by a the manufacturer when supplying a tower crane.
SANS 9408:1999 / ISO 9408:1999 (2006-08-04) (SABS ISO 9408)	
Water quality - Evaluation of ultimate aerobic biodegradabilit demand in a closed respirometer	y of organic compounds in aqueous medium by determination of oxygen
	Gr 11
PDF 24p EN	13 060 70
Specifies a method, by determination of the oxygen demand in a biodegradability of organic compounds and waste waters at a give Am 1(National), 2006-08-04	closed respirometer, for the evaluation in aqueous medium of the ultimate en concentration by aerobic microorganisms.
SANS 9454-1:1990 / ISO 9454-1:1990 (2007-02-09)	
Soft soldering fluxes - Classification and requirements Part 1	· Classification labelling and packaging
Ed 1 00 A4 11p EN	Cr 9
PDF 11p EN	25.160.50
Specifies a coding system for the classification of fluxes intended with requirements for labelling and packaging. Am 1(National), 2007-02-09	for use with soft solders, according to their active fluxing ingredients, together
SANS 9454-2:1998 / ISO 9454-2:1998 (2007-02-09)	
Soft soldering fluxes - Classification and requirements Part 2	· Performance requirements
Ed 1 00 A4 13p EN	Gr 8
PDF 13p EN	25.160.50
Specifies the performance requirements for fluxes in solid, liquid a Am 1(National), 2007-02-09	and paste forms intended for use with soft solders.
SANS 9455-1:1990 / ISO 9455-1:1990 (2007-02-09) (SABS ISO 9455-1)	
Soft soldering fluxes - Test methods Part 1: Determination of	non-volatile matter, gravimetric method
	Gr 7
PDF 8p EN	25 160 50
Specifies a gravimetric method for the determination of the conter fluxes of type 1 as defined in SANS 9454-1. Am 1(National), 2007-02-09	nt of non-volatile matter in soft soldering fluxes. Applicable to liquid and paste
SANS 9455-2:1993 / ISO 9455-2:1993 (2007-02-09) (SABS ISO 9455-2)	
Soft soldering fluxes - Test methods Part 2. Determination of	non-volatile matter, ebulliometric method
Ed 1 00 A4 11p EN	Gr 8
PDF 11p EN	25,160,50
Specifies an ebulliometric method for the determination of the cor classes 1.1.1, 1.1.2 and 1.1.3, as defined in SANS 9454-1, and or ol. Applicable only to fluxes with a non-volatile content of 10 % or Am 1(National), 2007-02-09	ttent of non-volatile matter in soft soldering fluxes. Applicable to liquid fluxes of nly those fluxes containing solvents of relatively high volatility, such as propan-2- more.

Gr 5 53.020.20

Cranes and related equipment - Accuracy requirements for measuring parameters during testing

SANS 9373:2007 / ISO 9373:1989 (2013-02-22)

Ed 1.00 A4 5p EN PDF 5p EN

> Standards South Africa Catalogue 2013 NUM - 416

SANS 9455-3:1992 / ISO 9455-3:1992 (2007-02-09) (SABS ISO 9455-3)	
Soft soldering fluxes - Test methods Part 3: Determination of acid value, pote	entiometric and visual titration methods
Ed 1.00 A4 10p EN	Gr 7
PDF 10p EN	25.160.50
Specifies two methods for the determination of the acid value of a flux of types 1 a potentiometric titration method and method B is an alternative, visual end-point titra Am 1(National), 2007-02-09	nd 2 only, as defined in SANS 9454-1. Method A is a ation method.
SANS 9455-5:1992 / ISO 9455-5:1992 (2007-03-02) (SABS ISO 9455-5)	
Soft soldering fluxes - Test methods Part 5: Copper mirror test	
Ed 1.00 A4 9p EN	Gr 7
PDF 9p EN	25.160.50
Specifies a qualitative method of assessing the aggressiveness of a flux towards c 9454-1.	opper. Applicable to all fluxes of type 1, as defined in SANS
Am 1(National), 2007-03-02	
SANS 9455-6:1995 / ISO 9455-6:1995 (2007-03-02) (SABS ISO 9455-6)	
Soft soldering fluxes - Test methods Part 6: Determination and detection of h	nalide (excluding fluoride) content
Ed 1.00 A4 16p EN	Gr 9
PDF TOP EN	25.160.50
Specifies three quantitative methods for the determination of the ionic halide (excl Am 1(National), 2007-03-02	uding fluoride) content of soldering fluxes.
SANS 9455-8:1991 / ISO 9455-8:1991 (2007-03-02) (SABS ISO 9455-8)	
Soft soldering fluxes - Test methods Part 8: Determination of zinc content	
Ed 1.00 A4 8p EN	Gr 7
PDF 8p EN	25.160.50
Specifies a method for the determination of the zinc content of water soluble fluxes solution of flux containing approximately 25 % of zinc, expressed as zinc chloride (Am 1(National), 2007-03-02	s of type 3, as defined in SANS 9454-1. Applies to an aqueous ZnCl2).
SANS 9455-9:1993 / ISO 9455-9:1993 (2007-03-02) (SABS ISO 9455-9)	
Soft soldering fluxes - Test methods Part 9: Determination of ammonia conte	ent
Ed 1.00 A4 10p EN	Gr 7
PDF 10p EN	25.160.50
Specifies a distillation method for the determination of the ammonia content of soli 9454-1.	d, paste or liquid fluxes of class 3.1.1 only, as defined in SANS
Am 1(National), 2007-03-02	
SANS 9455-10:1998 / ISO 9455-10:1998 (2007-03-02) (SABS ISO 9455-10)	
Soft soldering fluxes - Test methods Part 10: Flux efficacy tests, solder sprea	ad method
Ed 1.00 A4 15p EN	Gr 9
PDF 15p EN	25.160.50
Specifies a method for the determination of the efficacy of a soft soldering flux kno classes defined in SANS 9454-1. Am 1(National), 2007-03-02	wn as the solder spread method and is applicable to all flux
SANS 9455-11:1991 / ISO 9455-11:1991 (2007-03-02)	
(SABS ISO 9455-11)	
Soft soldering fluxes - Test methods Part 11: Solubility of flux residues	
Ed 1.00 A4 9p EN PDF 9p EN	Gr 7 25.160.50
Specifies a qualitative method for assessing the solubility of flux residues in a sele SANS 9454-1.	cted solvent. Applicable to all fluxes of type 1, as defined in

Am 1(National), 2007-03-02

SANS 9455-12:1992 / ISO 9455-12:1992 (2007-05-25) (SABS ISO 9455-12)

Soft soldering fluxes - Test methods Part 12: Steel tube corrosion test

Ed 1.00 A4 9p EN

PDF 9p EN

Gr 7 25.160.50

Gr 7

Gr 11

Gr 11 25.160.50

Gr 10

25.160.50

25.160.50

25.160.50

Specifies a qualitative method for assessing the corrosive properties of flux residues and flux vapours towards mild steel. Applicable to all fluxes, although primarily intended to be used for fluxes of type 1, as defined in ISO 9454-1 (published in South - Africa as an identical adoption under designation SANS 9454-1).

Am 1(National), 2007-05-25

SANS 9455-13:1996 / ISO 9455-13:1996 (2007-05-25)

(SABS ISO 9455-13)

Soft soldering fluxes - Test methods Part 13: Determination of flux splattering

Ed 1.00 A4 9p EN PDF 9p EN

Describes a method for estimating the tendency of a flux to spatter in use. A qualitative (comparative) method is only applicable to liquid fluxes, as defined in ISO 9454-1V (published in South Africa as an identical adoption under designation SANS 9454-1). Am 1(National), 2007-05-25

SANS 9455-14:1991 / ISO 9455-14:1991 (2007-05-25)

(SABS ISO 9455-14)

Soft soldering fluxes - Test methods Part 14: Assessment of tackiness of flux residues

Ed 1.00	A4 9p EN	Gr 7
	PDF 9p EN	25.160.50

Specifies a qualitative method for the assessment of the tackiness of the residues of a soft soldering flux after a soldering process. Applicable to all fluxes, solder pastes and flux cored solder wires, particularly appropriate for application where flux residues are left in situ on electrical and electronic equipment

Am 1(National), 2007-05-25

SANS 9455-15:1996 / ISO 9455-15:1996 (2007-05-25)			
(SABS ISO 9455-15)			
Soft soldering fluxes - Test methods Part 15: Copper corrosion test			
Ed 1.00 A4 16p EN			

Specifies a qualitative method for the determination of the corrosive properties of flux residues on a copper substrate, when subjected to controlled environmental conditions. Applicable to type 1 fluxes, as defined in ISO 9454-1 (published in South-Africa as an identical adoption under designation SANS 9454-1).

Am 1(National), 2007-05-25

SANS 9455-16:1998 / ISO 9455-16:1998 (2007-05-25)

(SABS ISO 9455-16)

Soft soldering fluxes - Test methods Part 16: Flux efficacy tests, wetting balance method

Ed 1.00	A4 23p EN PDF 23p EN		

Specifies a method for the assessment of the efficacy of a soft soldering flux, known as the wetting balance method. Gives a qualitative assessment of the comparative efficacy of two fluxes based on their capacity to promote wetting of a metal surface by liquid solder. Applicable to all flux types in liquid form classified in ISO 9454-1 (published in South-Africa as an identical adoption under designation SANS 9454-1). **Am 1(National), 2007-05-25**

SANS 9455-17:2009 / ISO 9455-17:2002

Soft soldering fluxes - Test methods Part 17: Surface insulation resistance comb test and electrochemical migration test of flux residues

Ed 1.00 A4 26p EN PDF 26p EN

Specifies a method for deleterious effects that may arise from flux residues after soldering or tinning test coupons.

SANS 9539:2011 / ISO 9539:2010 (SABS ISO 9539)

Gas welding equipment - Materials for equipment used in gas welding, cutting and allied processes

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Ed 2.00	A4 9p EN				Gr 6
	PDF 9p EN				25.160.30

Specifies the general and special requirements for materials used for the construction of equipment used in gas welding, cutting and allied processes. It does not deal with materials used for the construction of welding hoses.
SANS 9606-1:1994 / ISO 9606-1:1994 (2012-11-02)

(SABS ISO 9606-1)

Approval testing of welders - Fusion welding Part 1: Steels

Ed 1.00 A4 37p EN PDF 37p EN

25.160.10

Gr 11

Specifies essential requirements, ranges of approval, test conditions, acceptance requirements and certification for the approval testing of welder performance for the welding of steels. The certificate of approval testing is issued under the sole responsibility of the examiner or examining body. Am 1(International), 2002-05-08 Am 1(National), 2006-12-15

SANS 9606-2:2006 / ISO 9606-2:2004 (2012-11-02)

(SABS ISO 9606-2)

Qualification test of welders - Fusion welding Part 2: Aluminium and aluminium alloys Gr 11

Ed 2.00 A4 40p EN PDF 40p EN

Specifies the requirements for qualification of welders for fusion welding of aluminium and aluminium alloys. Provides a set of technical rules for systematic gualification of welders which are independent of product type, location and examiner/examining body. The welding processes include fusion welding processes which are designated as manual or partly mechanized welding. Does not qualify fully mechanized and automated welding processes.

SANS 9614-1:1993 / ISO 9614-1:1993 (2012-12-14)

(SABS ISO 9614-1)

Acoustics - Determination of sound power levels of noise sources using sound intensity Part 1: Measurement at discrete points Ed 1.00 A4 26p EN Gr 10

PDF 26p EN

Specifies a method for measuring the component of sound intensity normal to a measurement surface which is chosen so as to enclose the noise source(s) of which the sound power level is to be determined.

Am 1(National), 2006-12-01

SANS 9614-2:1996 / ISO 9614-2:1996 (2012-10-05)

(SABS ISO 9614-2)

Acoustics - Determination of sound power levels of noise sources using sound intensity Part 2: Measurement by scanning		
Ed 1.00	A4 24p EN	Gr 10
	PDF 24p EN	17.140.01

Specifies a method for measuring the component of sound intensity normal to a measurement surface which is chosen so as to enclose the noise source(s) of which the sound power level is to be determined.

Am 1(National), 2006-12-15

SANS 9614-3:2005 / ISO 9614-3:2002 (2012-10-05)

Acoustics - Determination of sound power levels of noise sources using sound intensity Part 3: Precision method for measurement by scanning

Ed 1.00 A4 43p EN PDF 43p EN

Specifies a method for measuring the component of sound intensity normal to a measurement surface which is chosen so as to enclose the sound source(s) of which the sound power level is to be determined. Can perform scanning operation either manually, or by means of a mechanical system. Is not applicable to any frequency band in which the sound power of the source is found to be negative on measurement.

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SANS 9622:2005 / ISO 9622:1999 (2010-08-06)

whole milk - Determination of milkfat, protein and	d lactose content - Guidance on the operation of mid-infrared instruments
Ed 1.00 A4 32p EN	Gr 11
PDF 32p EN	67.100.10
Describes the operating conditions for instruments us measurement of the absorption of mid-infrared radiat	sed for the determination of fat, protein and lactose content of ex-farm milk, based upon the tion at wavelengths which are representative of each component analysed.
SANS 9628:2007 / ISO 9628:2006	
Rolling bearings - Insert bearings and eccentric I	ocking collars - Boundary dimensions and tolerances
Ed 2.00 A4 24p EN	Gr 10
PDF 24p EN	21,100,20

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Specifies the characteristics, boundary dimensions, tolerances and radial internal clearances of insert bearings and eccentric locking collars.

SANS 9686:2011 / ISO 9686:2006

Direct reduced iron - Determination of carbon and/or sulfur - High-frequency combustion method with infrared measurement		
Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	73.060.10

Specifies a method for the determination of the mass fraction of carbon and/or sulfur in direct reduced iron by infrared measurement after highfrequency combustion.

17.140.01

25,160,10

Gr 12 17.140.01

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SANS 9692-1:2007 / ISO 9692-1:2003 (2012-12-14) Welding and allied processes - Recommendations for joint preparation Part welding, gas welding, TIG welding and beam welding of steels	1: Manual metal-arc welding, gas-shielded metal-arc
Ed 1.00 A4 22p EN PDF 22p EN	Gr 9 25.160.40
Specifies types of joint preparation for metal-arc welding with covered electrode, g- beam welding of steel. It applies to joint preparation for full penetration butt welds joint preparation and dimensions differing from those specified in this part of ISO 9 presented after tack welding, if used.	as-shielded metal-arc welding, gas welding, TIG welding and and for fillet welds. For partial penetration butt welds, types of 692 may be stipulated. The root gaps referred to are those gaps
SANS 9692-2:2009 / ISO 9692-2:1998	
Welding and allied processes - Joint preparation Part 2: Submerged arc weld	ling of steels
PDF 14p EN	21 160: 25 160 10: 25 160 40
Applies to types of joint preparation for submerged arc welding with one wire electric covers only the welding positions PA and PB according to SANS 6947. Applies to preparation, shapes and dimensions may differ from the listed proposals if they are parties concerned.	rode (process 121 according to SANS 4063) on steel. It also fully penetrated welds. For partly penetrated welds, types of joint e specified in the relevant application standard or agreed by
SANS 9692-3:2009 / ISO 9692-3:2000 Welding and allied processes - Recommendations for joint preparation Part 3	3: Metal inert gas welding and tungsten inert gas welding
of aluminium and its alloys Ed. 1.00. A4.15p.EN	Gr 8
PDF 15p EN	25.160.10: 25.160.40
Specifies types of joint preparation for metal inert gas welding, MIG, (131) and tune applies to fully penetrated welds.	gsten inert gas welding, TIG, (141) on aluminium and its alloys. It
SANS 9692-4:2009 / ISO 9692-4:2003 Welding and allied processes - Recommendations for joint preparation Part 4	4: Clad steels
Ed 1.00 A4 17p EN	Gr 8
PDF 17p EN	25.160.40
Gives recommendations for types of joint preparation for clad steels.	
SANS 9706:2006 / ISO 9706:1994 (2012-03-16) Information and documentation - Paper for documents - Requirements for pe	rmanence
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	01.140.20; 85.060
Specifies requirements for permanent paper intended for documents. Is applicable	to unprinted papers. Is not applicable to boards.
SANS 9707:2009 / ISO 9707:2008 Information and documentation - Statistics on the production and distributio publications	n of books, newspapers, periodicals and electronic
Ed 1.00 A4 24p EN	Gr 10
PDF 24p EN	01.140.20
Gives guidance on the keeping of national statistics to provide standardized inform printed, electronic and micro-publications(essentially books, newspapers and period	nation on various aspects of the production and distribution of odicals).
SANS 9712:2009 / ISO 9712:2005 (SABS ISO 9712)	
Non-destructive testing - Qualification and certification of personnel	
Ed 2.00 A4 34p EN PDF 34p EN	Gr 11 03 100 30: 19 100
Specifies the qualification and certification of personnel involved in non-destructive Cor 1(International), 2009-09-11	e testing (NDT).
SANS 9775:2008 / ISO 9775:1990	
Small craft - Remote steering systems for single outboard motors of 15 kW to	o 40 kW power
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	47.020.70

Specifies requirements and test methods for remote push-pull cable steering systems and their major component items, used for small craft with a single outboard motor of 15 kW to 40 kW power.

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SANS 9796-2:2011 / ISO/IEC 9796-2:2010

Informat	nformation technology - Security techniques - Digital signature schemes giving message recovery Part 2: integer factorization based		
mechani	sms		
Ed 2.00	A4 63p EN	Gr 14	
		25.040	

35.040 Specifies three digital signature schemes giving message recovery, two of which are deterministic (non-randomized) and one of which is

randomized. The security of all three schemes is based on the difficulty of factorizing large numbers. All three schemes can provide either total or partial message recovery. Also specifies the method for key production for the three signature schemes. SANS 9796-3:2007 / ISO/IEC 9796-3:2006 (2011-09-23)

Information technology - Security techniques - Digital signature schemes giving message recovery Part 3: Discrete logarithm based mechanisms Ed 1.00 A4 77p EN Gr 14

Information technology - Security techniques - Message Authentication Codes (MACs) Part 1: Mechanisms using a block cipher

PDF 77p EN 35.040 Defines six digital signature schemes giving message recovery, and the security of these schemes is based on the difficulty of the discrete logarithm problem which is defined on a finite field or elliptic curve over a finite field. Also defines an optional control field in the hash-token which

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can provide added security to the signature. SANS 9797-1:2013 / ISO/IEC 9797-1:2011

Ed 2.00 A4 47p EN

PDF 47p EN	35.040
Specifies six MAC algorithms that use a sec any security architecture, process or applica	cret key and an n-bit block cipher to calculate an m-bit MAC. Can be applied to the security services of ation.
SANS 9797-2:2013 / ISO/IEC 9797-2:2011 Information technology - Security technic function	ques - Message Authentication Codes (MACs) Part 2: Mechanisms using a dedicated hash-
Ed 2.00 A4 46p EN PDF 46p EN	Gr 12 35.040

Specifies three MAC algorithms that use a secret key and a hash-function (or its round-function) with an n-bit result to calculate an m-bit MAC. Can be used as data integrity mechanisms to verify that data has not been altered in an unauthorized manner. Can also be used as message authentication mechanisms to provide assurance that a message has been originated by an entity in possession of the secret key.

SANS 9797-3:2013 / ISO/IEC 9797-3:2011

Information technology - Security techniques - Message Authentication Code (MACs) Part 3: Mechanisms using a universal hashfunction

Ed 1.00	A4 32p EN	Gr 11
	PDF 32p EN	35.040

Specifies the following MAC algorithms that use a secret key and a universal hash-function with an n-bit result to calculate an m-bit MAC based on the block ciphers specified in ISO/IEC 18033-3 (published in South Africa as an identical adoption under the designation SANS 18033-3), and the stream ciphers specified in ISO/IEC 18033-4 (published in South Africa as an identical adoption under the designation SANS 18033-4) UMAC, Badger, Poly1305-AES and GMAC.

SANS 9798-1:2010 / ISO/IEC 9798-1:2010

Information technology - Security techniques - Entity authentication Part 1: General			
Ed 2.00	A4 18p EN	Gr 8	
	PDF 18p EN	35.040	

Specifies an authentication model, general requirements and constraints for entity authentication mechanisms which use security techniques.

SANS 9798-2:2009 / ISO/IEC 9798-2:2008

Informat	ion technology -	Security techniques - Entity authentication Part 2: Mechanisms using symmetric encipherment algorithms
Ed 2.00	A4 21p EN	Gr 9
	PDF 21p EN	35.040

Specifies entity authentication mechanisms using symmetric encipherment algorithms. Uses tume variant parameters such as time stamps, sequence numbers, or random numbers to prevent valif authentication information from being accepted at a later time or more than once.

SANS 9798-3:2003 / ISO/IEC 9798-3:1998 (2011-10-28)

Information technology - Security techniques - Entity authentication Part 3: M		Part 3: Mechanisms using digital signature techniques
Ed 1.00 A4 8p	D EN	Gr 6
PDF	8p EN	35.040

Specifies entity authentication mechanisms using digital signatures based on asymmetric techniques. Am 1(International), 2011-10-28

35.040

Gr 12

SANS 9798-4:2003 / ISO/IEC 9798-4:1999 (2011-10-28)

Information technology - Security techniques - Entity authentication Part 4: Mechanisms using a cryptographic check function

d 1.00 A4 11p EN	Gr 7
PDF 11p EN	35.040

Specifies entity authentication mechanisms using a cryptographic check function. **Cor 1(International), 2011-10-28**

SANS 9798-5:2010 / ISO/IEC 9798-5:2009

F

Information technology - Security techniques - Entity authentication Part 5: Mechanisms using zero-knowledge techniques

Ed 3.00	A4 60p EN	Gr 13
	PDF 60p EN	35.040

Specifies entity authentication mechanisms based on identities and providing authentication, mechanisms based on integer factorization and providing unilateral authentication, mechanisms based on discrete logarithms with respect to numbers that are prime or composite and providing unilateral authentication, mechanisms based on asymmetric encryption systems and providing unilateral authentication, or mutual authentication, and mechanisms based on discrete logarithms on elliptic curves and providing unilateral authentication.

SANS 9798-6:2012 / ISO/IEC 9798-6:2010

Information technology - Security techniques -	Entity authentication Part 6: Mechanisms using manual data transfer
Ed 2.00 A4 41p EN	Gr 12
PDF 41p EN	35.040
Specifies eight entity authentication mechanisms can be used to support key management function	based on manual data transfer between authenticating devices. Indicates how these mechanisms s, and provides guidance on secure choices of parameters for the mechanisms.
SANS 9809-1:2010 / ISO 9809-1:2010	
(SABS ISO 9809-1)	
Gas cylinders - Refillable seamless steel gas o	winders - Design, construction and testing Part 1: Quenched and tempered steel

cylinders - Refiliable seamless steel gas cylinders - Design, construction and testing Part 1: Quenched and tempered steel cylinders with tensile strength less than 1 100 MPa Ed 2.00 A4 48p EN Gr 12

PDF 48p EN

Specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at manufacture of refillable quenched and temperedseamless steel gas cylinders of water capacities from 0,5 L up to and including 150 L for compressed, liquefied and dissolved gases. It is also applicable to cylinders with a maximum actual tensile strength Rma of less than 1 100 MPa.

23.020.30

Gr 13

23.020.30

SANS 9809-2:2010 / ISO 9809-2:2010

(SABS ISO 9809-2)

Gas cylinders - Refillable seamless steel gas cylinders - Design, construction and testing Part 2: Quenched and tempered steel cylinders with tensile strength greater than or equal to 1 100 MPa

Ed 2.00 A4 52p EN PDF 52p EN

Specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at manufacture of refillable quenched and temperedseamless steel gas cylinders of water capacities from 0,5 L up to and including 150 L for compressed, liquefied and dissolved gases.

SANS 9809-3:2010 / ISO 9809-3:2010

(SABS ISO 9809-3)

Gas cylir	nders - Refillable seamless steel gas cylinders - Design, construction	and testing Part 3: Normalized steel cylinders
Ed 2.00	A4 47p EN	Gr 12
	PDF 47p EN	23.020.30

Specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examination and testing at manufacture of refillable normalized or normalized and tempered seamless steel gas cylinders of water capacities from 0,5 L up to and including 150 L for compressed, liquefied and dissolved gases.

SANS 9852:2008 / ISO 9852:2007 (SABS ISO 9852)

Unplasticized poly(vinyl chloride) (PVC-U) pipes - Dichloromethane resistance at specified temperature (DCMT) - Test method Ed 2.00 A4 13p EN Gr 7 PDF 13p EN 23 040 20

PDF 13p EN 23.040.20 Specifies a method for determining the resistance of unplasticized poly(vinyl chloride) (PVC-U) pipes to dichloromethane at a specified temperature (DCMT). Applicable to all PVC-U pipes, irrespective of their intended use. Can be used as a rapid means of quality control during manufacture.

SANS 9854-2:1994 / ISO 9854-2:1994 (2012-07-06)

Gr 6

23.040.20; 83.080.20

Thermoplastics pipes for the transport of fluids - Determination of pendulum impact strength by the Charpy method Part 2: Test conditions for pipes of various materials

Specifies the values or options chosen for the test parameters, i.e. the impact energy, test piece dimensions, shape and spacing of the test piece supports, and type of test piece, for testing the impact resistance (pendulum method) of thermoplastics pipes of the following materials, when tested in accordance with ISO 9854-1 (published in South Africa as an identical adoption under the designation SANS 9854-1). It applies to pipes made of unplasticized poly(vinyl chloride) (PVC-U), unplasticized poly(vinyl chloride), for extrusion, impact modified (PVC-U,EP), chlorinated poly(vinyl chloride) (PVC-C), acrylonitrile/butadiene/styrene (ABS), acrylonitrile/styrene/acrylate (ASA) and polypropylene (PP) and propylene-

Am 1(National), 2007-08-31

SANS 9855:2012 / ISO 9855:1993

Ambient air - Determination of the particulate lead content of aerosols collected on filters - Atomic absorption spectrometric method Ed 1.00 A4 10p EN Gr 6 PDF 10p EN 13.040.20; 13.040.99

Specifies a method based on acid digestion and atomic absorption spectrometry for the chemical analysis of lead samples collected on filters from ambient air

SANS 9862:2013 / ISO 9862:2005

Geosynthetics - Sampling and preparation of test specimens Ed 1.00 A4 12p EN Gr 7

Establishes general principles for the sampling of geosynthetics delivered to construction sites, and for the test specimens from the samples.

SANS 9863-1:2013 / ISO 9863-1:2005

Ed 1.00 A4 12p EN

	PDF 12p EN	50 090 70
		59.060.70
Spacifias	a method for the determination of the thickness of deosynthetics at speci	fied pressures

thickness is determined.

SANS 9864:2013 / ISO 9864:2005

Geosynthetics - Test method for the determination of mass per unit area of geotextiles and geotextile-related products

PDF 9p EN

Specifies a method for the determination of mass per unit area of geotextiles and geotextile-related products for identification purposes and for use in technical data sheets.

SANS 9866-1:2003 / ISO 9866-1:1991 (2008-08-22)

Textiles - Effect of dry heat on fabrics under low pressure Part 1: Procedure for dry-heat treatment of fabrics

Ed 1.00 A4 45p EN PDF 45p EN

Specifies a method for the dry-heat treatment of fabrics for use in assessing the dimensional stability and other heat-related properties of fabrics.

SANS 9866-2:2003 / ISO 9866-2:1991 (2008-08-22)

Textiles -	 Effect of dry heat on fabrics under low pressure Part 2: Determinat 	ion of dimensional change in fabrics exposed to dry heat
Ed 1.00	A4 5p EN	Gr 5
	PDF 5p EN	59.080.30

Specifies a method for determining the dimensional change of fabrics on exposure to dry heat. It is intended to predict the behaviour of fabrics in garment-making processes such as fusing and transfer printing.

Standards South Africa Catalogue 2013 NUM - 423

SANS 9854-1:1994 / ISO 9854-1:1994 (2012-07-06) (SABS ISO 9854-1)

PDF 8p EN

for the transport of fluids. Am 1(National), 2007-09-14

test method Ed 1.00 A4 8p EN

(SABS ISO 9854-2) Ed 1.00 A4 7p EN Gr 6 PDF 7p EN 23.040.20:83.080.20 copolymer. PDF 12p EN 59.080.70 Geosynthetics - Determination of thickness at specified pressures Part 1: Single layers Gr 7 Specifies a method for the determination of the thickness of geosynthetics at specified pressures and defines the pressure at which the nominal Ed 1.00 A4 9p EN Gr 6 59.080.70 Gr 12 59.080.30

NUMERICAL LIST OF STANDARDS

Thermoplastics pipes for the transport of fluids - Determination of pendulum impact strength by the Charpy method Part 1: General

Specifies the general test method to be used for the determination of the impact strength of unnotched test pieces cut from thermoplastics pipes

Specifies hydraulic performance tests for acceptance of rotodynamic pumps (centrifugal, mixed flow and axial pumps, hereinafter simply designated as "pumps". It is applicable to pumps of any size and to any pumped liquids behaving as clean cold water.		
SANS 9926-1:2006 / ISO 9926-1:1990 (2011-10-07) Cranes - Training of drivers Part 1: General		
Ed 1.00 A4 7p EN PDF 7p EN	Gr 6	
Specifies the minimum training to be given to trainee drivers of cranes, to develop the proper use of those skills. Does not specify any procedure for evaluating capa	basic operational skills and to impart the requisite knowledge for bilities or qualifications of the trainees.	
SANS 9926-3:2007 / ISO 9926-3:2005		
PDF 12p EN	03.100.30; 53.020.20	
Covers the specific subjects considered necessary for training tower crane drivers		
SANS 9928-1:2006 / ISO 9928-1:1990 (2011-09-23)		
Cranes - Crane driving manual Part 1: General		
Ed 1.00 A4 6p EN	Gr 5	
PDF 6p EN	03.100.30; 53.020.20	
Gives guidance on the contents and the presentation of a crane driving manual that include technical data, special safety advice, driver's aids and controls, driver's instructions, load diagrams and load tables, safety devices, and environmental conditions.		
SANS 9931:1991 / ISO 9931:1991 (2007-04-20) (SABS ISO 9931)		
Coal - Sampling of pulverized coal conveyed by gases in direct fired coal sys	stems	
Ed 1.00 A4 24p EN	Gr 11	
PDF 24p EN	73.040; 75.160.10	
Specifies a method which, subject to limitations imposed by the geometry of the p pulverized coal. Am 1(National), 2007-04-20	ulverized-coal pipe, is applicable to multipoint sampling of	
SANS 9933:1995 / ISO 9933:1995 (2007-03-23)		
Products in fibre-reinforced cement - I ong corrugated or asymmetrical section	on sheets and fittings for roofing and cladding	
Ed 1.00 A4 30p EN	Gr 11	
PDF 30p EN	91.100.40	
Lays down the technical characteristics of straight fibre-cement profiled sheets, of more than 0,9 m in length, and their fibre-cement fittings used as roofing and cladding materials. Also specifies tests for checking these characteristics as well as marking and conditions of acceptance. Does not apply to asbestos-cement corrugated or profiled sheets, nor to short fibre-cement sheets. Am 1(International), 2005-06-03 Cor 1(International), 2007-03-23 Cor 2(International), 2007-03-23		
SANS 9934-1:2004 / ISO 9934-1:2001 (2009-08-07) Non-destructive testing - Magnetic particle testing Part 1: General principles		
Ed 1.00 A4 21p EN	Gr 9	
PDF 21p EN	19.100	
Specifies general principles for the magnetic particle testing of ferromagnetic mate discontinuities.	erials, applicable to the detection of surface-breaking	
SANS 9942-3:2007 / ISO 9942-3:1999		
Cranes - Information labels Part 3: Tower cranes		
Ed 1.00 A4 5p EN	Gr 5	
PDF 5p EN	53.020.20	

Gives minimum requirements concerning information labels for tower cranes.

SANS 9906:2011 / ISO 9906:1999

PDF 68p EN

Ed 1.00 A4 68p EN

Rotodynamic pumps - Hydraulic performance acceptance tests - Grades 1 and 2

NUMERICAL LIST OF STANDARDS

Gr 14

23.080

SATS 10004:2010 / ISO/TS 10004:2010	
Quality management - Customer satisfaction - Guidelines for monitoring and r	measuring
Ed 1.00 A4 36p EN	Gr 11

PDF 36p EN 03.080.01: 03.120.10 Provides guidance in defining and implementing processes to monitor and measure customer satisfaction. Intended for use by organizations regardless of type, size or product provided. Focuses on customers external to the organization. Not intended for certification or contractual purposes, nor is it intended to change any rights or obligations under applicable statutory or regulatory requirements.

NUMERICAL LIST OF STANDARDS

SANS 9992-2:1998 / ISO 9992-2:1998 (2008-07-25) (SABS ISO 9992-2) Financial transaction cards - Messages between the integrated circuit card and the card accepting device Part 2: Functions,

messages (commands and respons	es), data elements and structures
Ed 1.00 A4 57p EN	Gr 14
PDF 57p EN	35.240.15
Applicable to the use of integrated circ environment. Addresses the functions identification of data elements used du messages. Cor 1(International), 2001-06-08	uit(s) cards (ICC) issued by financial institutions in retail financial applications in an interchange required for financial interchange, messages between the ICC and the card accepting device (CAD), iring exchanges between the ICC and the CAD, and the logical structure of files and records used in Am 1(National), 2008-07-25
SANS 9994:2008 / ISO 9994:2005 (SABS ISO 9994) Lighters - Safety specification	
Ed 3.00 A4 32p EN	Gr 11
PDF 32p EN	97.180
Establishes requirements for lighters to all-flame producing products commonl producing products intended solely for Am 1(International), 2008-11-28	c) ensure a reasonable degree of safety for normal use or reasonable foreseeable misuse. It also applies to y known as cigarette lighter, cigar lighters and pipe lighters. Does not apply to matches nor other flame igniting materials other than cigarette lighter, cigar lighters and pipe lighters.
SANS 9998:2004 / ISO 9998:1991 (20 Water quality - Practices for evaluat	110-08-13) ing and controlling microbiological colony count media used in water quality tests
Ed 1.00 A4 27p EN	Gr 10
PDF 27p EN	07.100.20
Covers the comparison and evaluation of different media which are used for the preparation.	of the same medium prepared from different lots of materials. It also covers the comparison and evaluation ne same purpose. It only deals with the finished product ready to be tested, and not media formulation or
SANS 10001:2008 / ISO 10001:2007	
Quality management - Customer sat	isfaction - Guidelines for codes of conduct for organizations
Ed 1.00 A4 27p EN	Gr 10
PDF 2/p EN	03 120 10

Provides guidance for planning, designing, developing, implementing, maintaining and improving customer satisfaction codes of conduct. It is applicable to product-related codes containing promises made to customers by an organization concerning its behaviour.

SANS 10002:2005 / ISO 10002:2004 (2009-10-09)

Quality management - Customer satisfaction - Guidelines for complaints handling in organizations Ed 1.00 A4 32p EN Gr 11 PDF 32p EN 03.120.10

Gives guidance on the process of complaints handling related to products within an organization, including planning, design, operation, maintenance and improvement.

SANS 10003:2008 / ISO 10003:2007

Quality management - Customer satisfaction - Guidelines for dispute resolution external to organizations

Ed 1.00 A4 43p EN PDF 43p EN

Provides guidance for organizations to plan, design, develop, operate, maintain and improve an effective and efficient dispute-resolution process for product-related complaints.

SANS 10004:2005

(SABS 04)

Terms and definitions for textiles and textile merchandise

Ed 4.00 A4 136p EN PDF 136p EN

Provides a comprehensive list of general terms, each followed by an applicable definition, for use in the textile industry. Intended to be the sole reference for general textile terms that are used in standards and specifications prepared by Standards South Africa.

03 120 10

03.120.10

Gr 12

Gr 16

01.040.59; 59.080.01

SATS 10004:2010 / ISO/TS 10004:2010

Cor 1(International), 2009-10-09

Gr 5 43.060.01

relating to the handling and safety of preservative-treated timber. Does not cover treatment with fire retardants. Am 1(National), 2006-06-23 Am 2(National), 2011-10-14 SANS 10006:2006 (2013-03-15) (SABS 06) Colour marking and identification of medical gas cylinders and anaesthetic apparatus Ed 3.01 A4 9p EN Gr 5 PDF 9p EN 01.070: 11.040.10: 23.020.30 Applicable to cylinders that contain gas for use as anaesthetics, for oxygen therapy, resuscitation and other medical purposes, to certain features of anaesthetic and gas-therapy apparatus as used in medical, dental and veterinary practice, and to gas distribution systems by pipelines in hospitals. Am 1(National), 2006-06-15 SANS 10007:2004 / ISO 10007:2003 (2009-01-30) Quality management systems - Guidelines for configuration management Ed 1.00 A4 16p EN Gr 8 PDF 16p EN 03.120.10 Gives guidance on the use of configuration management within an organization; applies to the support of products from concept to disposal. SANS 10011:2007 (SABS 011) Care-labelling of textile piece-goods, textile articles and clothing Ed 4.01 A4 21p EN Gr 8 PDF 21p EN 59.080.01; 61.020 Covers a system of graphic symbols for use in the permanent marking of textile piece-goods for retail sale, made-up textile articles and clothing, to provide the consumer, the dry-cleaner and the launderer with information on the appropriate cleaning processes essential for the care of the textile piece-goods, textile articles and clothing. Am 1(National), 2007-05-25 SANS 10012:2004 (SABS 012) The use of light metals in hazardous locations at mines Ed 4.00 A4 11p EN Gr 6 PDF 11p EN 73.020: 77.120.01 Makes recommendations regarding the use of light metals in hazardous locations at mines, and gives a short description of the hazards or risks associated with such metals. SANS 10013-1:2006 (SABS 013-1) The determination of performance (at net power) of internal combustion engines Part 1: Road vehicle internal combustion engines at sea level Ed 4.00 A4 34p EN Gr 10 PDF 34p EN 43.060.01 ECE R24:1986, NEQ; ISO 1585:1982, NEQ Covers a method for testing engines designed for road vehicles. It is applicable to the evaluation of their performances with a view, in particular, to presenting curves of power, torque and specific fuel consumption at full load as a function of engine speed. SANS 10013-2:2006 (SABS 013-2) The determination of performance (at net power) of internal combustion engines Part 2: Compression ignition engines at altitude Ed 3.00 A4 10p EN PDF 10p EN Covers a method for determining the net power of compression ignition engines at an altitude of 1 400 m above sea level.

NUMERICAL LIST OF STANDARDS

for treatment, the various treatment processes and the use of preservative-treated timber in specific areas in South Africa. Gives recommendations

(SABS 05) The preservative treatment of timber Ed 7.02 A4 61p EN

PDF 61p EN

SANS 10005:2011

71.100.50; 79.020 Covers the classification of timber preservatives, hazard conditions for timber, the solvents used for timber preservatives, the preparation of timber

Gr 13

(SABS 013-3) The determination of performance (at net power) of internal combustion engines Part 3: Agricultural vehicle internal combustion engines at sea level Ed 2.00 A4 34p EN Gr 10 PDF 34p EN Gr 10 Covers a bench method for testing certain categories of engines which are intended for use in agricutural tractors and machines and which may be fitted with a supercharging device using a mechanical supercharger or turbocharger. Determines specific fuel consumption and measures the smoke emission. SANS 10014:2006 / ISO 10014:2006 (2007-06-29) Quality management - Guidelines for realizing financial and economic benefits Ed 1.00 A4 32p EN Gr 11

PDF 32p EN

SANS 10013-3:2006

Provides guidelines for realizing financial and economic benefits from the application of the ISO 9000 quality management principles (published in South Africa as an identical adoption under the designation SANS 9000). It is directed to top management of an organization and complements ISO 9004 for performance improvements (published in South Africa as an identical adoption under the designation SANS 9004). It provides examples of achievable benefits and identifies management methods and tools that are available to assist with the achievement of those benefits. It consists of guidelines and recommendations, and is not intended for certification, regulatory or contractual use. **Cor 1(International), 2007-06-29**

03.120.10

SANS 10015:1999 / ISO 10015:1999 (2012-03-16) (SABS ISO 10015) Quality management - Guidelines for training Ed 1.00 A4 21p EN Gr 9 PDF 21p EN 03.120.10 Covers the development, implementation, maintenance, and improvement of strategies and systems for training that affect the quality of the

products supplied by an organization.
Am 1(National), 2006-08-25

SANS 10019:2011

(SABS 019)

Transportable pressure receptacles for compressed, dissolved and liquefied gases - Basic design, manufacture, use and maintenance

Ed 7.00	A4 58p EN	Gr 12
	PDF 58p EN	23.020.30

Covers the minimum requirements for the design, manufacture, use and maintenance of refillable and non refillable gas pressure receptacles of water capacity 0,5 L to 3 000 L and cartridges of > 0,5 L, and may include requirements over and above those contained within the cylinder design and manufacturing standards. Also covers cylinders for self-contained underwater breathing apparatus for recreational diving, self-contained surface breathing apparatus (SCBA), fire-fighting extinguishers and fixed fire-fighting extinguishing systems. Does not cover special gas pressure receptacles used in aircraft or air-brake reservoirs and scuba cylinders for professional use.

SANS 10021:2012 (SABS 021)	, of huildings (including	
Ine waterproofing	or buildings (including	camp-proofing and vapour barrier installation)
PDF 105p	p EN	91.120.30
Covers methods recommended for the damp-proofing and waterproofing of buildings and the installation of vapour barriers. Am 1(National), 2002-02-15 Am 2(National), 2006-06-23		
SANS 10034-1:201 Rubber, vulcanize	11 / ISO 34-1:2010 d or thermoplastic - Det	ermination of tear strength Part 1: Trouser, angle and crescent test pieces
Ed 3.00 A4 18p E	N	Gr 8
PDF 18p	EN	83.060
Specifies three test test piece, (method	t methods for the determin I B) using an angle test pie	ation of the tear strength of vulcanized or thermoplastic rubber, namely: (method A) using a trouser ace, and (method C) using a cresent test piece with a nick.

SANS 10034-2:2009 / ISO 34-2:2007

Rubber,	vulcanized or thermoplastic - Determination of tear stren	ngth Part 2: Small (Delft) test pieces
Ed 2.00	A4 16p EN	Gr 8
	PDF 16p EN	83.060

Specifies a method for the determination of the tear strength of small pieces (Delft test pieces) of vulcanized or thermoplastic rubber.

SANS 10037:2009 / ISO 37:2005	
Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain	properties
PDF 31p EN	83.060
Describes a method for the determination of the tensile stress-strain properties of Cor 1(International), 2009-04-09	vulcanized and thermoplastic rubbers.
SANS 10043:2009	
(SABS 043)	
The installation of wood and laminate flooring	
Ed 4.01 A4 70p EN PDF 70p EN	Gr 13 79.040: 91.060.30
Deals with the general principles of the installation of solid wood as well as floatin Am 1(National), 2009-02-06	g wood flooring.
SANS 10044-1:2004 (2011-02-18)	
Welding Part 1: Glossary of terms	
Ed 3.00 A4 61p EN	Gr 13
PDF 61p EN	01.040.25; 25.160.01
Defines selected terms used in welding, cutting, and allied processes.	
SANS 10047:2009 (SABS 047)	
The testing of motor vehicles for roadworthiness	
Ed 6.00 A4 80p EN	Gr 13
	43.020
Covers the examination and testing for roadworthiness of vehicles used on public	roads.
SANS 10048:2011 / ISO 48:2010 Rubber, vulcanized or thermoplastic - Determination of hardness (hardness	between 10 IRHD and 100 IRHD)
Ed 3.00 A4 30p EN	Gr 10
PDF 30p EN	83.060
Specifies four methods for the determination of the hardness of vulcanized or the	rmoplastic rubbers on flat or curved surfaces.
SANS 10049:2012 (SABS 049)	
Food safety management - Requirements for prerequisite programmes (PRF	2s)
Ed 4.01 A4 43p EN PDE 43p EN	Gr 11
Contains the requirements for the development, implementation, maintenance an	67.020 d continual improvement of prerequisite programmes (PRPs) for
Am 1(National), 2012-02-17	
SANS 10052:2007 (SABS 052)	
The construction of strongrooms	
PDF 8p EN	Gr 5 13.310
Covers recommendations for the construction of four categories of strongroomsAm 1(National), 1977-06-01Am 2(National), 2007-12-14	
SANS 10055-1:2003	
ISO 9001: 2000 Process auditing Part 1: Concepts and application	
Ed 1.00 A4 12p EN	Gr 6
	03.120.20

Provides overall information on the concepts of process auditing and their use in the context of monitoring compliance with SANS 9001. Describes how the parts of SANS 10055 fit together, and provides guidance for their selection and use.

Standards South Africa Catalogue 2013 NUM - 429

Defines a model for describing process capability from a SANS 9001 perspective. The model describes a framework for evaluating the capability of processes by examining a series of process attributes structured into capability levels. The definitions of the process attributes and outcomes have been aligned with compliance requirements that arise from SANS 9001. The model provides a focused organizational growth path for process improvement, defect prevention, and adopting innovative practices. It also describes a set of SANS 9001 "compliance indicators" which are a set of questions based on the "shall" requirements from this part of SANS 10055. These compliance indicators are intended to be used for preliminary assessment of the documented management system before formal registration.		
SANS 10055-3:2003		
ISO 9001: 2000 Process auditing Part 3: Generic process performance mode	el and work products	
Ed 1.00 A4 100p EN	Gr 14	
PDF 100p EN	03.120.20	
Describes a generic process model in which processes are described in terms of process purpose and process outcomes. The evidence of the performance of a process is found in work products that supply input to, and are the consequence of, the behaviour of the process. The emphasis in this part of SANS 10055 is on the generic (or universally applicable) descriptions of the process performance model and work products. These models are potentially applicable to any application domain.		
SANS 10055-4:2003		
ISO 9001: 2000 Process auditing Part 4: Process performance model and w	ork products for information technology	
Ed 1.00 A4 104p EN	Gr 15	
PDF 104p EN	03.120.20	
Describes a process performance model for use in the information technology se	ctor.	
SANS 10061-1:2008 (SABS 061-1) The installation of communal and single antenna systems for the reception	of television and sound broadcast transmissions Part 1:	
VHF and UHF television and VHF sound antenna systems		
Ed 3.03 A4 37p EN	Gr 10	
PDF 37p EN	33.120.40	
Establishes principles for the installation, modification and maintenance of communal and single antenna systems for the reception of VHF and UHF television and VHF sound transmissions. Includes the protection of such systems against atmospheric electrical disturbances.		
SANS 10061-2:2008		
(SABS 061-2)		
The installation of communal and single antenna systems for the reception	of television and sound broadcast transmissions Part 2:	
Satellite antenna systems		
Ed 1.01 A4 10p EN	Gr 5	
	33.120.40	
Establishes principles for the installation of communal and single antenna systems for the reception of signals in the frequency range 11,2 GHz to 12,7 GHz from orbiting satellites. Includes the protection of such systems against atmospheric electrical disturbances. Also covers associated receiving equipment.		
Am 1(National), 2008-05-09		
SANS 10062:2012 (SABS 062)		
Fixing of concrete interlocking roofing tiles		
Ed 2.03 A4 26p EN	Gr 9	
PDF 26p EN	91.060.20	
Covers the fixing of concrete interlocking roofing tiles.Am 1(National), 1998-07-14Am 2(National), 2003-02-14		
SANS 10064:2011 (SABS 064)		
The preparation of steel surfaces for coating		
Ed 3.01 A4 41p EN	Gr 11	
PDF 41p EN	25.220.10; 77.140.01	
Contains detailed information on the methods available for cleaning and preparing coatings. Galvanized surfaces are commonly encountered in practice, and methods	g steel in order to produce a surface suitable for the application of dealing with them have been included.	

NUMERICAL LIST OF STANDARDS

Gr 12

03.120.20

ISO 9001:2000 Process auditing Part 2: ISO 9001 Process capability model and compliance indicators

SANS 10055-2:2003

Ed 1.00 A4 54p EN PDF 54p EN

Am 1(National), 2011-03-25

SANS 10066:2011 (SABS 066)	
Application of thermal process control to low-acid fish canning factories	
Ed 3.01 A4 29p EN	Gr 9
PDF 29p EN	03.100.50; 67.020
Describes procedures in the canning of low-acid canned fish, which, when stric Covers the exhausting of cans, temperature of packing medium, seaming, can inspection. Am 1(National), 2011-09-16	ctly followed, ensure microbiological stability in the final product. washing, retorting, cooling of processed cans, storage and
SANS 10070:2012	
(SABS 0/0) The installation of regilient thermonicatic and similar flexible fleer severi	na meteriolo
PDF 21p EN	
	83.080.20, 97.150
Covers established methods of good practice for the installation of resilient the materials, as well as guidance on the selection and properties of the materials	rmoplastic and similar flexible and semi-flexible floor covering
Am 1(National), 1994-08-01 Am 2(National), 2007-12-14 Am 4(National), 2012-06-29	Am 3(National), 2011-08-19
SANS 10076-1:2004 (2009-04-17) (SABS 076-1)	
The assessment of defects in textile piece-goods and made-up articles P cellulosic blends)	art 1: Defects in woven piece-goods (cellulosic and
Ed 4.00 A4 8p EN	Gr 5
PDF 8p EN	59.080.30
Is applicable to woven fabrics manufactured from yarns spun on the cotton sys	stem.
SANS 10076-2:2004 (2009-04-17) (SABS 076-2)	
The assessment of defects in textile piece-goods and made-up articles P	art 2: Defects in woven terry towelling
Ed 2.00 A4 8p EN	Gr 5
PDF 8p EN	59.080.30; 97.160
Is applicable to woven terry towelling.	
SANS 10076-3:2004 (2009-04-17) (SABS 076-3)	
The assessment of defects in textile piece-goods and made-up articles P	art 3: Defects in woven ducks
Ed 2.00 A4 9p EN	Gr 5
PDF 9p EN	59.080.30
Is applicable to a range of woven fabrics suitable for a variety of uses such as clothing.	tents, wagon covers, equipage, tarpaulins and certain types of
SANS 10076-4:2004 (2009-04-17) (SABS 076-4)	
The assessment of defects in textile piece-goods and made-up articles P	art 4: Defects in knitted piece-goods
Ed 2.00 A4 8p EN	Gr 5
PDF 8p EN	59.080.30
Is applicable to both warp- and weft-knitted fabrics.	
SANS 10076-5:2004 (2009-04-17) (SABS 076-5)	
The assessment of defects in textile piece-goods and made-up articles P	art 5: Defects in woven woollen and worsted piece-goods
Ed 2.00 A4 8p EN	Gr 5
PDF 8p EN	59.080.30
Is applicable to wool and wool blend fabrics woven in the woollen and worsted	industries.
SANS 10076-6:2004 (2009-04-17) (SABS 076-6)	
The assessment of defects in textile piece-goods and made-up articles P	art 6: Defects in woven filament piece-goods
Ed 2.00 A4 8p EN	Gr 5
PDF 8p EN	59.080.30
Applicable to fabrics woven from continuous filament varies	

Applicable to fabrics woven from continuous filament yarns.

Standards South Africa Catalogue 2013 NUM - 430

The assessment of defects in taxile piece-goods and made-up articles Part 7: Defects in household articles (A 200 A4 50 PK) GP 50 PK (A 200 A4 50 PK) (A 200 PK) (A	SANS 10076-7:2004 (2009-04-17) (SABS 076-7)	
Ed 20.0 Gr 4 POF 59 EN 50.003.00: 97.160 Is applicable to household articles. SANS 1007::2008 (SASS 073) The use, care and protection of grinding wheels Gr 10 2.01 A7 80 EN 25.000.50 Covers recommendations for the sale use, storage, handling, inspection and mounting of grinding wheels. Requirements for safety guards and tanges are also included. An 1140/tena12, 2000.200 SANS 1000::2008 Covers recommendations for the sale use, storage, handling, inspection and mounting of grinding wheels. Requirements for safety guards and tanges are also included. SANS 1000::200 SANS 1000::2009 Covers recommendations of the sale use, storage, handling, inspection and mounting of grinding wheels. Requirements for safety guards and protocol of grinding wheels. Requirements for safety guards and tanges are also included. SANS 1000::2007 SANS 1000::2007 Covers practices to be followed in the design and construction of single-story and double-story imber frame buildings and portions of such buildings. Covers practices to be followed in the design and construction of single-story and double-story imber frame buildings and portions of such buildings. Ed 50.0 A 450 EN Gr 12 PDF 120 EN Gr 13 Gr 13 Covers practices to be followed in the design and construction of single-story and double-story imber frame buildings and porti	The assessment of defects in textile piece-goods and made-up articles Part 7	7: Defects in household articles
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13:140 Covers the measurement and rating of a working environment for hearing conservation purposes, the physical demarcation of an area where hearing conservation measures have to be applied, and medical surveillance. Also covers recommendations regarding suitable hearing conservation measures and programmes. Am 1(National), 2012-09-14 SANS 10085-1:2004 The design, erection, use and inspection of access scaffolding Part 1: Steel access scaffolding Ed 1.01 A4 69p EN Gr 13 PDF 69p EN 91.220 Covers steel access scaffolding commonly used for supporting workers and materials, plant or equipment during construction, maintenance and demolition work. Am 1(National), 2004-12-10 SANS 10086-1:2011 (SABS 086-1) The installation, inspection and maintenance of equipment used in explosive atmospheres Part 1: Installations including surface installations on mines Ed 4.00 A4 2p EN Gr 0 PDF 2p EN 29.260.20 Covers the installation, inspection and maintenance of electrical and mechanical apparatus to be used in applications including surface installations on mines, in atmosphere sthat might be explosive because of the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of atmosphere oxygen. SANS 10086-2:2013 The installation, inspection and maintenance of equipment used in explosive atmospheres Part 2: Electrical equipment installed underground in mines Ed 2.0	Ed 5.01 A4 55p EN	Gr 12
Covers the measurement and rating of a working environment for hearing conservation purposes, the physical demarcation of an area where hearing conservation measures and programmes. Am 1(National), 2012-09-14 SANS 10085-1:2004 The design, erection, use and inspection of access scaffolding Part 1: Steel access scaffolding Ed 1.01 A 46 90 EN PDF 69p EN Gr 13 Covers steel access scaffolding commonly used for supporting workers and materials, plant or equipment during construction, maintenance and demoliton work. Am 1(National), 2004-12-10 SANS 10086-1:2011 The installation, inspection and maintenance of equipment used in explosive atmospheres Part 1: Installations including surface installations on mines Ed 4.00 A42 p EN PDF 2p EN SANS 10086-2:2013 The installation, inspection and maintenance of electrical and mechanical apparatus to be used in applications including surface installation, inspection and maintenance of equipment used in the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of atmospheres that might be explosive because of the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of gases, vapours, mist, dusts or fibres that are flammable in the presence of gases, vapours, mist, dusts or fibres that are f	PDF 55p EN	13.140
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PDF 116p EN 29.260.20; 73.100.01 Covers the installation, inspection and maintenance of electrical equipment used underground in mining applications where atmospheres might be explosive owing to the presence of gases and dusts that are flammable in the presence of atmospheric oxygen. Does not cover the risks that arise from the toxicity of flammable substances or their reaction products, nor does it cover explosives.	Ed 2.00 A4 116p EN	Gr 15
Covers the installation, inspection and maintenance of electrical equipment used underground in mining applications where atmospheres might be explosive owing to the presence of gases and dusts that are flammable in the presence of atmospheric oxygen. Does not cover the risks that arise from the toxicity of flammable substances or their reaction products, nor does it cover explosives.	PDF 116p EN	29.260.20; 73.100.01
······································	Covers the installation, inspection and maintenance of electrical equipment used u explosive owing to the presence of gases and dusts that are flammable in the presence from the toxicity of flammable substances or their reaction products. nor does it co	underground in mining applications where atmospheres might be sence of atmospheric oxygen. Does not cover the risks that arise over explosives.

Standards South Africa Catalogue 2013

Standards South Africa Catalogue 2013 NUM - 432

PDF 67p EN	13.300; 75.200	
Specifies requirements for the materials, the methods of construction and the installation, maintenance, inspection and testing of the various components of the equipment used in liquefied petroleum gas applications for domestic, and commercial installations that involve gas storage containers of individual water capacity not exceeding 500 L and of a combined water capacity not exceeding 3 000 L. Also specifies requirements regarding the installation of appliances, piping, fittings and other components, and covers installations in mobile applications (e.g. caravans, mobile homes and shipping containers). Excludes the storage of containers for retail and exchange purposes.		
SANS 10087-2:2011 (SABS 087-2) The handling, storage, distribution and maintenance Part 2: Installation of LPG systems in mobile units, kitchens	ce of liquefied petroleum gas in domestic, commercial, and industrial installations including but not limited to caravans, motor homes, park homes and mobile	
Ed 3.00 A4 35p EN PDF 35p EN	Gr 10 13.300; 75.200	
Gives the installation requirements, materials, method applications for mobile units, including but not limited t includes the safety requirements for gas on recreation	of construction and the installation of the equipment used in liquefied petroleum gas o caravans, motor homes, park homes, mobile kitchens, trailers and semi-trailers. Also vehicles and mobile ablution facilities.	
SANS 10087-3:2008 (SABS 087-3) The handling, storage, distribution and maintenance Part 3: Liquefied petroleum gas installations involve Ed 4.00 A4 49p EN PDF 49p EN	ce of liquefied petroleum gas in domestic, commercial, and industrial installations ving storage vessels of individual water capacity exceeding 500 L Gr 11 13.300; 75.200	
Covers recommendations for the layout, design and installation of butane, propane and liquefied petroleum gas equipment and of storage vessels of individual water capacity exceeding 500 L.		
SANS 10087-4:2011 (SABS 087-4) The handling, storage, distribution and maintenance Part 4: The transportation of LP gas including the of bulk vehicles and rail tank cars Ed 3.00 A4 36p EN	ce of liquefied petroleum gas in domestic, commercial and industrial installations design, construction, inspection, fittings, filling, maintenance and repair of LP gas Gr 10	
PDF 36p EN	13.300; 75.200	
Gives requirements for the design, construction, inspe- including ISO containers and skid tanks, used in the tra- It also gives requirements for the transport of container	ction, fittings and the filling ratio of pressure vessels (mounted onto vehicles or rail wagons) , ansportation of LPG, the design of vehicles and ancillary equipment, and operating practice. rs with a water capacity not exceeding 500 L.	
SANS 10087-6:2006 (SABS 087-6)		
The handling, storage, distribution and maintenance Part 6: The application of liquefied petroleum and of	ce of liquefied petroleum gas in domestic, commercial, and industrial installations compressed natural gases as engine fuels for internal combustion engines	
Ed 4.01 A4 43p EN PDF 43p EN	Gr 11 75.160.30; 75.200	
Covers the safe use of liquefied petroleum gas and con equipment manufactured for conversions. Am 1(National), 2006-11-10	mpressed natural gas as fuels for internal combustion engines and for the safe operation of	

SANS 10087-1:2008 (SABS 087-1)

The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial, and industrial installations Part 1: Liquefied petroleum gas installations involving gas storage containers of individual water capacity not exceeding 500 L and a combined water capacity not exceeding 3 000 L per installation

Ed 5.00 A4 67p EN

NUMERICAL LIST OF STANDARDS

Ed 2.00 A4 2p EN

SANS 10086-3:2011

(SABS 086-3) The installation, inspection and maintenance of equipment used in explosive atmospheres Part 3: Repair and overhaul of equipment

PDF²p EN

Gr 0

29.260.20 Gives instructions on repair, overhaul and modification of groups I and II certified apparatus designed for use in explosive gas atmospheres, but

does not cover ordinary maintenance. Applies to repairs done by repairers and users.

Gr 13

NUMERICAL LIST OF S	STANDARDS
SANS 10087-7:2011 (SABS 087-7) The handling, storage, distribution and maintenance of liquefied petroleum gas (LP Part 7: Storage and filling premises for refillable liquefied petroleum gas (LP storage of individual gas containers not exceeding 48 kg	gas in domestic, commercial, and industrial installations G) containers of gas capacity not exceeding 9 kg and the
Ed 3.01 A4 30p EN	Gr 9
PDF 30p EN	13.300; 75.200
Specifies requirements for the location and installation of, and operations at, stora (LPG) containers of capacity not exceeding 9 kg. It also identifies safe methods o recommendations towards safe working procedures that cover all aspects of the s Am 1(National), 2011-06-03	ge and filling premises for refillable liquefied petroleum gas f filling and storing refillable containers and makes torage of containers up to a combined gas capacity of 1 500 kg.
SANS 10087-8:2010 (SABS 087-8)	
The handling, storage, distribution and maintenance of liquefied petroleum g Part 8: Filling containers for LP gas operated fork lift vehicles in-situ Ed 2 00 A4 12p EN	gas in domestic, commercial and industrial installations
PDF 12p EN	13.300; 75.200
Covers the requirements for the filling of containers in-situ for LP gas operated for and safe use of this equipment. It does not cover safety precautions or the filling be found in SANS 10087-3.	klifts from fixed storage and filling equipment, including the siting procedure for motor vehicles and stationary engines, which can
SANS 10087-10:2012 (SABS 087-10)	
The handling, storage, distribution and maintenance of liquefied petroleum g Part 10: Mobile filling stations for refillable liquefied petroleum gas (LPG) co	gas in domestic, commercial and industrial installations ntainers of capacity not exceeding 9 kg
Ed 1.02 A4 8p EN	Gr 5
PDF 8p EN	75.200
Gives recommendations in respect of the location and operation of mobile filling st containers. Also gives certain design features in respect of the compliance of the safety. Excludes the use of light delivery vehicles including light and heavy trucks. Am 1(National), 2006-11-24 Am 2(National), 2012-03-02	tations suitable for the filling of refillable liquefied petroleum gas railer with the requirements of the road ordinance and general
SANS 10089-1:2008 (SABS 089-1)	
The petroleum industry Part 1: Storage and distribution of petroleum produc	ts in above-ground bulk installations
Ed 4.03 A4 83p EN PDF 83p EN	Gr 14 13 300: 75 200
Covers the layout and design of petroleum bulk depots, and the installation of equ distribution of petroleum products and their derivatives, other than equipment that (including service stations) and for which relevant standards exist.	ipment of the types normally used for handling, storage and is used for storage and dispensing on consumer premises
Am 1(National), 2003-03-28 Am 2(National), 2007-08-17	Am 3(National), 2008-05-30
SANS 10089-2:2007 (SABS 089-2)	
The petroleum industry Part 2: Electrical and other installations in the distribution	oution and marketing sector
Ed 3.00 A4 51p EN PDE 51p EN	Gr 12
Covers the recommended safe practice in the design, construction, installation and intended to be used in flammable and combustible liquid storage, pumping, distrib exploration facilities, unless any of these installations are similar to such facilities a flammable dust.	d maintenance of electrical and earthing and bonding systems ution and marketing facilities. It does not apply to refineries or as those listed above, and it does not cover the requirements for
SANS 10089-3:2010 (SABS 089-3)	
The petroleum industry Part 3: The installation, modification, and decommis pumps/dispensers and pipework at service stations and consumer installation	sioning of underground storage tanks, ons
Ed 4.00 A4 32p EN PDF 32p EN	Gr 10 13 300: 23 020 10: 75 200
Covers provisions for the installation of underground storage tanks of individual ca at service stations and consumer installations.	pacity not exceeding 85 000 I, pumps/dispensers and pipework
SANS 10090:2003 (SABS 090)	
Community protection against fire	
Ed 3.00 A4 38p EN PDE 38p EN	Gr 10
	13.220.01

Standards South Africa Catalogue 2013 NUM - 433

SANS 10 (SABS 09 The safe	091:2009 91) working of power-driven wo	odworking machinery	
Ed 2.03	A4 50p EN		Gr 11
	PDF 50p EN		79.120.10
Describe and provi Am 1(Na	s the safe manner of working w ding personal protection to ope tional), 1976-11-01	ith power-driven woodworking machinery rators and other persons involved in the Am 2(National), 1979-06-01	and suggests the correct methods of guarding such machines working of these machines. Am 3(National), 2009-01-16
SANS 10	092:2004		
Caravan	parks		
Ed 3.00	A4 15p EN		Gr 7
	PDF 15p EN		97.200.30
Recomm occupano	endations for the siting, layout, by is limited to three months in t	design, construction, use, maintenance twelve months.	and operation of caravan parks are given. The period of
SANS 10 (SABS 0	094:2005 94)		
The use	of high-strength friction-grip	bolts	
Ed 4.00	A4 20p EN		Gr 8
	PDF 20p EN		21.060.10
Covers the fasteners the plane	ne assembly and inspection of the are used to clamp the connect of the parts.	polted friction-grip joints in structural stee etd parts together with enough force to en	lwork, i.e. joints in which high-strength bolts or equivalent nsure the transfer across the joint, by friction alone, of all forces in
SANS 10 (SABS 0	096:2012 96)		
The man	ufacture of finger-jointed stru	uctural timber	
Ed 2.06	A4 24p EN		Gr 9
	PDF 24p EN		79.040
Covers re Am 1(Na Am 4(Na	ecommendations for the manufa tional), 1983-11-01 tional), 2008-12-12	acture of finger-jointed structural timber. Am 2(National), 2002-08-08 Am 5(National), 2009-12-11	Am 3(National), 2004-10-01 Am 6(National), 2012-12-14
SANS 10	098-1:2007 98-1)		
Public li	ghting Part 1: The lighting of	public thoroughfares	
Ed 3.03	A4 39p EN		Gr 10
	PDF 39p EN		93.080.30
Lays dow and city of acceptab	in the fundamental principles th centres and pedestrian-oriented le economic limits.	at govern the lighting of public thoroughf I areas. Has been limited to methods of p	ares including motorways, arterial routes, residential roads, town roviding adequate public lighting that give good results within
Err 1(Na Am 3(Na	tional), 1990-05-01 tional), 2007-09-07	Am 1(National), 1996-03-11	Am 2(National), 1998-07-30
SANS 10 (SABS 0	098-2:2005 (2010-10-08) 98-2)		
Public li	ghting Part 2: The lighting of	certain specific areas of streets and h	ighways
Ed 2.00	A4 50p EN		Gr 11
	PDF 50p EN		93.080.30
Lays dow accordar	n recommendations for the ligh ce with SANS 10098-1 might n	nting of road areas of special importance ot apply.	and where normal conventional street lighting techniques in
SANS 10 (SABS 0	100-1:2000 100-1)		
The stru	ctural use of concrete Part 1:	Design	
Ed 2.02	A4 208p EN PDF 208p EN		Gr 19 91.080.40
Establish	es principles for the structural userviceability limit states: mate	use of concrete under the following stipul erial: ordinary concrete of normal and low	ations: method of design: limit states classified as ultimate limit

elements and in plain concrete walls; and types of structures: buildings and structures in which all load-bearing elements are of concrete. Am 1(National), 1994-04-11 Am 2(National), 2000-03-31

SANS 10100-2:1992 (SABS 0100-2) The structural use of concrete Part 2: Materials and execution of work	
Ed 2:00 A4 84p EN PDF 84p EN	Gr 14 91.100.30
Covers the materials and execution of work related to the structural use of concrete prestressed and precast concrete is entrusted to appropriately qualified structural of under the direction of appropriately qualified supervisors. Does not cover the struct Am 1(National), 1994-09-01	e in buildings and structures where the design of reinforced, or civil engineers and the execution of the work is carried out tural use of concrete made with high-alumina cement.
SANS 10101:2008 (SABS 0101) Standard nomenclature for stitches, seams, and stitchings	
Ed 1.01 A4 94p EN PDF 94p EN	Gr 14 01.040.61: 61.020
Covers various kinds of stitches, seams, and stitchings used in the fabrication of a their designation. Am 1(National), 2008-08-22	rticles by sewing. It also prescribes the standard symbols for
SANS 10102-1:2005 (SABS 0102-1)	
The selection of pipes for buried pipelines Part 1: General provisions	
PDF 26p EN	Gr 9 23.040.01
Covers those parts of the pipe selection process that are common to all types of pi installations. Am 1(National), 2005-11-10	ipe and is concerned with the structural aspects of buried pipe
SANS 10102-2:2011	
(SABS 0102-2)	
Selection of pipes for buried pipelines Part 2: Rigid pipes	0- 10
PDF 78p EN	23.040.01
Covers the procedures to be used in the calculation of the external and internal loa sufficient strength to resist these loads. To be used in conjunction with SANS 1010 Am 1(National), 2011-02-24	ids on a buried rigid pipe and the selection of a pipe having 02-1.
SANS 10103:2008 (SABS 0103)	
The measurement and rating of environmental noise with respect to annoyar	nce and to speech communication
Ed 6.00 A4 36p EN PDF 36p EN	Gr 10 13 140: 17 140 01
Covers methods and gives guidelines to assess working and living environments w possible annovance by noise (i.e. whether complaints could be expected). It also a	vith respect to acoustic comfort, excellence, and with respect to lives a method to predict speech communication efficiency.
SANS 10104:1991 (SARS 0104)	
Handrailing and balustrading (safety aspects)	
Ed 2.00 A4 11p EN PDF 11p EN	Gr 9 13 200: 91 120 99
Covers the design, installation and evaluation of handrailing and balustrading that down where handrailing and balustrading are to be used. Does not cover situations or to forces resulting from the impact of power-driven objects.	are installed to protect people from hazards. Legislation lays s where handrailing and balustrading may be exposed to abuse
SANS 10105-1:2010 (SABS 0105-1)	
Ed 3.01 A4 12p EN	Gr 6
Gives the requirements for the selection, installation, inspection and use of portabl Am 1(National), 2010-03-05	13.220.10 e and mobile fire extinguishers.

SANS 10105-2:2010 (SABS 0105-2) The use and control of fire-fighting equipment Part 2: Fire hose reels and abo	ove-ground hydrants
	Gr 5
PDF 7p EN	13 220 10
Covers the requirements for the installation and inspection of fire hose reels and a Am 1(National) 2010-03-05	bove-ground hydrants.
SANS 10106:2006 (SABS 0106)	
The installation, maintenance, repair and replacement of domestic solar wate	er heating systems
Ed 3.00 A4 15p EN	Gr 7
PDF 15p EN	27.160; 91.140.65; 97.100.99
Covers requirements for the installation, maintenance and repair of solar water heaters for swimming pools and commercial buildings.	ating systems for domestic use. Excludes the installation of solar
SANS 10107:2011	
(SABS 0107)	
The design and installation of ceramic tiling	
Ed 3.00 A4 70p EN	Gr 13
PDF 70p EN	91.100.23
Deals with all work involved in the internal and external laying of ceramic wall and backgrounds and substrates and their suitability to receive a bedded finish.	floor tiles and mosaics. Covers the types and classes of
SANS 10108-2005	
(SARS 0108)	
The classification of hazardous locations and the selection of apparatus for i	use in such locations
Ed 5.00 A4.46n EN	Gr 11
PDF 46p EN	29 260 20
Covers the classification of locations in which fires or explosions can occur owing t material in the air, in order to permit the proper selection of electrical apparatus an to be used in such locations. It does not cover locations that are rendered hazardo explosive in the absence of atmospheric oxygen. It also does not cover major relea- tanks, pressure vessels or pipes.	to the presence of flammable gases, vapours, dusts, or fibrous d mechanical equipment, such as compression-ignition engines, us by the presence of substances that are flammable or ases caused by catastrophic plant failures, such as the rupture of
SANS 10109-1:2012	
(SABS 0109-1)	
Concrete floors Part 1: Bases to concrete floors	
Ed 3.01 A4.41p EN	Gr 11
PDF 41p EN	91.080.40
Covers the design, detailing, materials and construction of types of concrete floors commercial loads. Does not cover domestic floors or floors that are subjected to vi Am 1(National). 2012-06-15	that are cast on the ground and are subjected to industrial and brating loads.
SANS 10109-2:2013	
(SABS 0109-2)	
Concrete floors Part 2: Finishes to concrete floors	
Ed 3.01 A4 56p EN	Gr 12
PDF 56P EN	91.080.40
Comprises general principles for commonly used floor finishes. Am 1(National), 2013-02-08	
SANS 10111-1:2011	
(SABS 0111-1)	
Engineering drawings Part 1: General principles	
Ed 3.02 A4 92p EN	Gr 14
PDF 92p EN	01.100.20
Gives the general principles of mechanical engineering drawing and includes the p mechanical parts used in the fields of mechanical, civil and electrical engineering.	reparation, dimensioning and tolerancing of drawings of Does not include geometric tolerancing.

Standards South Africa Catalogue 2013 NUM - 436

Am 2(National), 2011-02-24

Am 1(National), 1993-07-01

Gr 14

01.100.20; 21.020

Engineering drawing Part 2: Geometrical tolerancing Section 1: Tolerancing of form, orientation, location and run-out - Generalities,

Gives requirements for the geometrical tolerancing of workpieces. It represents the initial basis and defines the fundamentals for geometrical tolerancing SANS 10111-2-2:1993 / ISO 5459:1981 (2009-06-12) (SABS 0111-2-2) Engineering drawing Part 2: Geometrical tolerancing Section 2: Datums and datum-systems for geometrical tolerances Ed 1.00 A4 15p EN Not sold separately, refer SANS 10111-2 set Gr 7 PDF 15p EN 01.100.20: 21.020 Describes datums and datum-systems for geometrical tolerancing, their definitions, practical embodiments and their indications on technical drawings in the field of mechanical engineering. Am 1(National), 2009-06-12 SANS 10111-2-3:2008 / ISO 2692:2006 (SABS 0111-2-3) Geometrical product specifications (GPS) - Geometrical tolerancing - Maximum material requirement (MMR), least material requirement (LMR) and reciprocity requirement (RPR) Ed 2.00 A4 38p EN Gr 11 PDF 38p EN 01.100.20: 21.020 Defines the maximum material requirement, the least material requirement and the reciprocity requirement, and specifies their applications. SANS 10111-2-4:2005 / ISO 5458:1998 (2011-11-18) (SABS 0111-2-4) Geometrical Product Specifications (GPS) - Geometrical tolerancing - Positional tolerancing Ed 2.00 A4 16p EN Gr 8 PDF 16p EN 01.100.20; 21.020 Describes positional tolerancing. This tolerancing method is applied to the location of a point, of a line nominally straight and of a surface nominally plane, e.g. the centre of a sphere, the axis of a hole or shaft and the median surface of a slot. SANS 10111-2-5:1993 / ISO 8015:1985 (2009-01-23) (SABS 0111-2-5) Engineering drawing Part 2: Geometrical tolerancing Section 5: Fundamental tolerancing principle Ed 1.00 A4 5p EN Gr 4 PDF 5p EN 01.100.20; 21.020 Specifies the principle of the relationship between dimensional (linear and angular) tolerances and geometrical tolerances. Am 1(National), 2009-01-23 SANS 10111-3:2011 (SABS 0111-3) Engineering drawings Part 3: Guidelines for the interpretation and verification methods of geometrical tolerancing (Equivalent to ISO TR 5460:1985) Ed 1.01 A4 81p EN Gr 14 PDF 81p EN 01.100.20; 21.020 Establishes guidelines for verifying geometrical tolerancing as described SANS 10111-2. The purpose is to outline the fundamentals of various verification priniciples which may be used in order to comply with the definitions of SANS 10111-2. The verification methods described in this part of SANS 10111 do not provide for a unique interpretation of the requirements of SANS 10111-2 and do differ amongst themselves. May, however, be used as a reference document for co-ordination and agreements in the field of geometrical tolerancing verification. Am 1(National), 2011-03-18 SANS 10112:2011 (SABS 0112) The installation of polyethylene and poly(vinyl chloride)(PVC-U and PVC-M) pipes Ed 2.02 A4 44p EN Gr 11 PDF 44p EN 23.040.20 Intended to present (in sufficient detail for general use) the comparative physical, chemical, and mechanical properties of two types of plastics pipe in common use, to provide guidance in their selection for the conveyance of potable water (and other applications) and to define sound practice in the assembly and installation of such pipework.

Am 1(National), 2003-02-14 Am 2(National), 2011-06-24

SANS 10111-2-1:2007 / ISO 1101:2004

definitions, symbols, indications on drawings

(SABS 0111-2-1)

Ed 2.00 A4 61p EN

PDF 61p EN

SANS 10 (SABS 0 Interior I	114-1:2005 (2010-10-08) 114-1) ighting Part 1: Artificial light	ing of interiors	
Ed 3.00	A4 90p EN		Gr 14
Covers re	PDF 90p EN equirements for good lighting a	nd also basic guidelines for, and rec	91.160.10 commendations on, the design of artificial lighting installations for workplaces, but also applies in general to other interior locations
SANS 10	1114-2:2009		workplaces, but also applies in general to other interior locations.
Interior I	ighting Part 2: Emergency lighting	yhting	
Ed 1.02	A4 24p EN		Gr 9
o'	PDF 24p EN		13.200; 91.160.10
lighting s Am 1(Na	stundamental principles and sj ystems. tional), 2002-04-04	Am 2(National), 2009-05-08	and minimum continuous operating periods for interior emergency
SANS 10 (SABS 0	117:2008 117)		
Calculat	ion and prediction of aircraft	noise around airports for land use	e purposes
Ed 2.02	A4 9p EN		Gr 5
Covers th		aircraft paigo around airports for lon	17.140.30; 49.020
Am 1(Na	tional), 2004-08-13	Am 2(National), 2008-02-08	a use purposes.
SANS 10 (SABS 0	11 18:2011 118)		
Fd 3.01	A4 24p FN		Gr 9
	PDF 24p EN		65.020.99
Covers the places, p chemical Am 1(Na	ne aerial application of pesticid rotection of pilots and ground p distributor, the sponsor, and a tional), 2011-06-03	es and the requirements for the training sersonnel, health precautions for pilo erial application companies, and first	ing of agricultural pilots, aircraft to be used for the application, landing ts and ground personnel, the registration holder of the pesticide, the -aid treatment in cases of suspected poisoning.
SANS 10 (SABS 0	119:2011 119)		
Reductio	on of explosion hazards pres	ented by electrical equipment - Se	gregation, ventilation and pressurization
Ed 2.02	A4 10p EN PDF 10p EN		Gr 5 29 260 20
Covers th Am 1(Na	ne use of segregation, ventilation tional), 2001-11-09	on and pressurization in order to redu Am 2(National), 2011-03-04	uce the explosion risk at locations where there are gases or vapours.
SANS 10	120 SET	· "	
Code of included	practice for use with standar I. Only available as hardcopy	dized specifications for civil engir or CD-ROM)	neering construction and contract documents. (All parts
Ed	A4 495p EN Loose-leaf, binde	r included	Gr 116 93.010; 93.020
SANS 10	0120-1:1986 (2002-07-30)		
Code of and cont	practice for use with standar tents	dized specifications for civil engir	neering construction and contract documents Part 1: Format
Ed 3.00	A4 12p EN PDF 12p EN		Gr 6 03.100.50; 93.010
Covers the of quantities of quantities of the other series of the	ne format and contents of proje ties, are required in the prepara	ct specifications, standardized speci ation of contract documents.	fications and particular specifiations which, together with the schedule
SANS 10 (SABS 0	1 20-2 TO 5 INT SET 120-2 TO 5 INTR SET)		
Loae of Introduc	practice for use with standal tion	uized specifications for civil engin	eering construction and contract documents Parts 2 to 5
Ed	A4 20p EN Loose-leaf		Gr 117 03.100.50; 93.010

SANS 10 (SABS 0 ⁻¹ Code of	1 20-2 TO 5 A SET 120-2 TO 5 A SET) practice for use with standardized specification	ons for civil engineering construction and contract documents Parts 2 to 5
Section /	A : General	
Ed	A4 16p EN Loose-leaf	Gr 122 93.010
SANS 10 (SABS 0 ⁻	1 20-2 TO 5 AA SET 120-2 TO 5 AA SET)	and for civil opgingering construction and contract documents Ports 2 to 5
Section	practice for use with standardized specification AA: General (small works)	ons for civil engineering construction and contract documents Parts 2 to 5
Ed	A4 7p EN Loose-leaf	Gr 121
		93.020
SANS 10 (SABS 0 ⁻	1 20-2 TO 5 AB SET 120-2 TO 5 AB SET)	
Code of Section	practice for use with standardized specification AB: Engineer's office	ons for civil engineering construction and contract documents Parts 2 to 5
Ed	A4 9p EN Loose-leaf	Gr 100
	•	93.010
SANS 10 (SABS 0 ⁻	1 20-2 TO 5 AD SET 120-2 TO 5 AD SET)	
Code of Section	practice for use with standardized specification AD: General (small dams)	ons for civil engineering construction and contract documents Parts 2 to 5
Ed	A4 8p EN Loose-leaf	Gr 36
		93.020
SANS 10120-2 TO 5 AH SET (SABS 0120-2 TO 5 AH SET)		
Code of Section	practice for use with standardized specification	ons for civil engineering construction and contract documents Parts 2 to 5
Ed	A4 8p EN Loose-leaf	Gr 121
	•	93.010
SANS 10 (SABS 0	120-2 TO 5 C SET 120-2 TO 5 C SET)	
Code of Section	practice for use with standardized specification	ons for civil engineering construction and contract documents Parts 2 to 5
Ed	A4 8p EN Loose-leaf	Gr 71
		93.020
SANS 10120-2 TO 5 D SET (SABS 0120-2 TO 5 D SET) Code of practice for use with standardized specifications for civil engineering construction and contract documents Parts 2 to 5		
Section	D: Earthworks	
Ed	A4 17p EN Loose-leaf	Gr 128 93.020
SANS 10 (SABS 0	120-2 TO 5 DA SET 120-2 TO 5 DA SET) prosting for use with standardized apositiontic	the for sivil anginopring construction and contract desurrants Darts 0 to 5
Section	DA: Earthworks (small works)	and for their engineering construction and contract documents Parts 2 to 5
Ed	A4 7p EN Loose-leaf	Gr 50
		93.020

SANS 10120-2 TO 5 DB SET (SABS 0120-2 TO 5 DB SET) Code of practice for use with standardized specifications for civil engineering construction and contract documents Parts 2 to 5			
Ed	DB: Earthworks (pipe trenches) A4 15p EN Loose-leaf	Gr 127 93.020	
SANS 10 (SABS 0	1 120-2 TO 5 DE SET 120-2 TO 5 DE SET)		
Section Ed	DE: Small earth dams A4 10p EN Loose-leaf	Gr 123 93.020	
SANS 10 (SABS 0	1 120-2 TO 5 DK SET 120-2 TO 5 DK SET)		
Code of Section Ed	practice for use with standardized specifications for civil enginee DK: Gabions and pitching A4 16p EN Loose-leaf	ring construction and contract documents Parts 2 to 5 Gr 132 93.020	
SANS 10 (SABS 0 Code of Section	SANS 10120-2 TO 5 DM SET (SABS 0120-2 TO 5 DM SET) Code of practice for use with standardized specifications for civil engineering construction and contract documents Parts 2 to 5 Section DM: Earthworks (roads, subgrade)		
Lu	A4 150 LN LOUSE-leal	93.020; 93.080.10	
SANS 10 (SABS 0	1 20-2 TO 5 DN SET 120-2 TO 5 DN SET)		
Code of Section Ed	practice for use with standardized specifications for civil enginee DN: Earthworks (railway sidings) A4 5p EN Loose-leaf	ring construction and contract documents Parts 2 to 5 Gr 50 93.020; 93.100	
SANS 10 (SABS 0 Code of	0120-2 TO 5 F SET 120-2 TO 5 F SET) practice for use with standardized specifications for civil enginee	ring construction and contract documents Parts 2 to 5	
Ed	F: Piling A4 15p EN Loose-leaf	Gr 56 93.020	
SANS 10120-2 TO 5 G SET (SABS 0120-2 TO 5 G SET) Code of practice for use with standardized specifications for civil engineering construction and contract documents Parts 2 to 5 Section G: Concrete (structural) Ed A4 28p EN Loose-leaf Gr 64 91.080.40; 93.010			
SANS 10 (SABS 0 Code of	1 20-2 TO 5 GA SET 120-2 TO 5 GA SET) practice for use with standardized specifications for civil enginee	ring construction and contract documents Parts 2 to 5	
Section Ed	GA: Concrete (small works) A4 7p EN Loose-leaf	Gr 50 91.080.40; 93.020	

SANS 10 (SABS 01	1 20-2 TO 5 GB SET 120-2 TO 5 GB SET)	
Code of Section	practice for use with standardized specifications for civil engineerin GB: Concrete (ordinary buildings)	g construction and contract documents Parts 2 to 5
Ed	A4 12p EN Loose-leaf	Gr 122 91.080.40; 93.010
SANS 10 (SABS 0 ⁻¹	1 20-2 TO 5 GE SET 120-2 TO 5 GE SET)	
Section (GE: Precast concrete (structural)	ig construction and contract documents Parts 2 to 5
Ed	A4 6p EN Loose-leaf	Gr 50 91.080.40; 93.010
SANS 10 (SABS 01	1 20-2 TO 5 GF SET 120-2 TO 5 GF SET)	
Code of Section	practice for use with standardized specifications for civil engineerin GF: Prestressed concrete	g construction and contract documents Parts 2 to 5
Ed	A4 10p EN Loose-leaf	Gr 71 91.080.40; 93.010
SANS 10 (SABS 01	1 20-2 TO 5 H SET 120-2 TO 5 H SET)	
Code of Section I	practice for use with standardized specifications for civil engineerin H: Structural steelwork	ig construction and contract documents Parts 2 to 5
Ed	A4 21p EN Loose-leaf	Gr 129 91.080.10; 93.010
SANS 10 (SABS 01	1 20-2 TO 5 HA SET 120-2 TO 5 HA SET)	
Code of Section	practice or use with standardized specifications for civil engineering	g construction and contract documents Parts 2 to 5
Ed	A4 12p EN Loose-leaf	Gr 6 91.080.10; 93.010
SANS 10	120-2 TO 5 HB SET	
Code of	practice for use with standardized specifications for civil engineerin	g construction and contract documents Parts 2 to 5
Ed	A4 14p EN Loose-leaf	Gr 56 91.080.10; 93.010
SANS 10 (SABS 01	1 20-2 TO 5 HC SET 120-2 TO 5 HC SET)	
Code of Section	practice for use with standardized specifications for civil engineerin HC: Corrosion protection of structural steelwork	g construction and contract documents Parts 2 to 5
Ed	A4 26p EN Loose-leaf	Gr 102 25.220.01; 91.080.10; 93.010
SANS 10 (SABS 01	1 20-2 TO 5 HE SET 120-2 TO 5 HE SET)	
Code of Section	practice for use with standardized specifications for civil engineerin HE: Structural aluminiumwork	g construction and contract documents Parts 2 to 5
Ed	A4 6p EN Loose-leaf	Gr 71

91.080.10; 93.010

SANS 10120-2 TO 5 L SET (SABS 0120-2 TO 5 L SET) Code of practice for use with standardized specifications for civil engineering construction and contract documents Parts 2 to 5 Section L: Medium-pressure pipelines			
Ed	A4 16p EN Loose-leaf	Gr 125 23.040.01; 93.020	
SANS 1 (SABS 0	0120-2 TO 5 LB SET 0120-2 TO 5 LB SET)	a construction and contract documents Parts 2 to 5	
Section	LB: Bedding (pipes)	g construction and contract documents Parts 2 to 5	
Ed	A4 11p EN Loose-leaf	Gr 71 23.040.01; 93.020	
SANS 1 (SABS 0	0120-2 TO 5 LC SET 0120-2 TO 5 LC SET)		
Code of Section	practice for use with standardized specifications for civil engineerin	g construction and contract documents Parts 2 to 5	
Ed	A4 13p EN Loose-leaf	Gr 121 29.120.10; 93.020	
SANS 1 (SABS (0120-2 TO 5 LD SET)120-2 TO 5 LD SET)		
Code of Section	practice for use with standardized specifications for civil engineerin LD: Sewers	g construction and contract documents Parts 2 to 5	
Ed	A4 16p EN Loose-leaf	Gr 123 91.140.80; 93.020	
SANS 1 (SABS 0	0120-2 TO 5 LE SET)120-2 TO 5 LE SET)		
Code of Section	practice for use with standardized specifications for civil engineerin LE: Stormwater drainage	g construction and contract documents Parts 2 to 5	
Ed	A4 11p EN Loose-leaf	Gr 122 91.140.80; 93.020	
SANS 1	0120-2 TO 5 LF SET		
Code of	practice for use with standardized specifications for civil engineerin	g construction and contract documents Parts 2 to 5	
Ed	A4 11p EN Loose-leaf	Gr 53 91.140.60; 93.020	
SANS 1 (SABS (0120-2 TO 5 LG SET 0120-2 TO 5 LG SET)		
Section	LG: Pipe jacking	g construction and contract documents Parts 2 to 5	
Ed	A4 11p EN Loose-leaf	Gr 122 23.040.01; 93.020	
SANS 1	0120-2 TO 5 M SET		

 (SABS 0120-2 TO 5 M SET)

 Code of practice for use with standardized specifications for civil engineering construction and contract documents Parts 2 to 5

 Section M: Roads (general)

 Ed
 A4 9p EN Loose-leaf

 Gr 65

Gr 65 93.080.01

SANS (SABS Code c	10120-2 TO 5 ME SET 0120-2 TO 5 ME SET) of practice for use with standardized s	pecifications for civil engineering construction and contract documents Parts 2 to 5
Sectio	n ME: Subbase	
Ed	A4 10p EN Loose-leaf	Gr 122
		93.080.10
SANS (SABS	10120-2 TO 5 MF SET 0120-2 TO 5 MF SET)	
Code o Section	of practice for use with standardized s n MF: Base	pecifications for civil engineering construction and contract documents Parts 2 to 5
Ed	A4 9p EN Loose-leaf	Gr 122
	···· •p _·· =••••	93.080.10
SANS (SABS	10120-2 TO 5 MFL SET 0120-2 TO 5 MFL SET)	
Code of Section	of practice for use with standardized s n MFL: Base (light pavement structure	pecifications for civil engineering construction and contract documents Parts 2 to 5 es)
Ed	A4 7p EN Loose-leaf	Gr 117
		93.080.20
SANS	10120-2 TO 5 MG SET	
(SABS	0120-2 TO 5 MG SET)	
Code of Section	of practice for use with standardized s n MG: Bituminous surface treatment	pecifications for civil engineering construction and contract documents Parts 2 to 5
Ed	A4 10p EN Loose-leaf	Gr 125
		75.140; 93.080.20
SANS (SABS	1 0120-2 TO 5 MH SET 0120-2 TO 5 MH SET)	
Code of Section	of practice for use with standardized s n MH: Asphalt base and surfacing	pecifications for civil engineering construction and contract documents Parts 2 to 5
Ed	A4 7p EN Loose-leaf	Gr 125
		75.140; 93.080.20
SANS	10120-2 TO 5 MJ SET	
(SABS	0120-2 TO 5 MJ SET)	
Code of Section	of practice for use with standardized s n MJ: Segmented paving	pecifications for civil engineering construction and contract documents Parts 2 to 5
Ed	A4 9p EN Loose-leaf	Gr 71
		93.080.20
SANS (SABS	10120-2 TO 5 MM SET 0120-2 TO 5 MM SET)	
Code of Section	of practice for use with standardized s n MM: Ancillary roadworks	pecifications for civil engineering construction and contract documents Parts 2 to 5
Ed	A4 7p EN Loose-leaf	Gr 71
		93.080.10
SVNG	10120-2 TO 5 MK SET	
(SARS	0120-2 TO 5 MK SET	
Code o	of practice for use with standardized s	pecifications for civil engineering construction and contract documents Parts 2 to 5
Fd	A4 4p FN oose-leaf	Gr 50
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Standards South Africa Catalogue 2013 NUM - 443

SANS 10120-2 TO 5 NB SET	
(SABS 0120-2 TO 5 NB SET)	
Code of practice for use with standardized specifications for civil engineerin Section NB: Railway sidings (trackwork)	ng construction and contract documents Parts 2 to 5
Ed A4 16p EN Loose-leaf	Gr 123
	93.100
(SABS 0120-2 INTRO: 1900 (2002-07-30)	
Code of practice for use with standardized specifications for civil engineerin specification, Introduction	ng construction and contract documents Part 2: Project
Ed 3.00 A4 5p EN Loose-leaf	Gr 4
PDF 5p EN	03.100.50; 93.010
overs preparation under various circumstances of the two portions of a project specification, namely Portion 1, which covers description of the orks and includes general matters affecting the project; and Portion 2, which covers variations and additions to the standardized specifications at form part of a contract.	
SANS 10120-2 A:1986 (2002-07-30)	
(SABS 0120-2 A) Code of practice for use with standardized specifications for eivil engineering	on construction and contract documents Part 2: Project
specification Section A: General	ig construction and contract documents rait 2. Project
Ed 2.00 A4 5p EN	Gr 4
PDF ⁻ 5p EN	93.010
Covers details of essential, optional and additional clauses that are required in res	pect of each applicable standardized specification.
SANS 10120-2 AA:1986 (2002-07-30)	
(SABS 0120-2 AA)	an construction and contract documents Part 2. Project
specification Section AA: General (small works)	ig construction and contract documents Part 2. Project
Ed 3.00 A4 2p EN Loose-leaf	Gr 2
PDF 2p EN	93.020
For use in projects to be carried out in particular locations or under particular circul	imstances.
SANS 10120-2 AB:1986 (2002-07-30)	
(SABS 0120-2 AB)	
Code of practice for use with standardized specifications for civil engineerin specification Section AB: Engineer's office	ig construction and contract documents Part 2: Project
Ed 2.00 A4 3p EN Loose-leaf	Gr 3
PDF 3p EN	93.010
To meet requirements imposed by various norms of economic development, proje based projects.	ects are classified as normal, prestige, subeconomic and labour-
SANS 10120-2 AD:1986 (2002-07-30) (SABS 0120-2 AD)	
Code of practice for use with standardized specifications for civil engineerin specification Section AD: General (small dams)	ng construction and contract documents Part 2: Project
Ed 2.00 A4 1p EN Loose-leaf	Gr 1
PDF 1p EN	93.020
To meet requirements imposed by various norms of economic development, proje labour0based projects.	ects are classified as normal, prestige, subeconomic and
SANS 10120-2 AH:1986 (2002-07-30) (SABS 0120-2 AH)	
Code of practice for use with standardized specifications for civil engineerin specification Section AH: General (structural)	ng construction and contract documents Part 2: Project
Ed 3.00 A4 2p EN Loose-leaf	Gr 2
PDF 2p EN	93.010

To meet requirements imposed by various norms of economic development, projects are classified as normal, prestige, subeconomic and labourbased projects.

SANS 10120-2 C:1982 (2002-07-30) (SABS 0120-2 C)	
Code of practice for use with standardized specifications for civil engineeri specification Section C: Site clearance	ng construction and contract documents Part 2: Project
Ed 2.00 A4 4p EN Loose-leaf PDF 4p EN	Gr 3 93.020
To meet requirements imposed by various norms of economic development, proj based projects.	ects are classifed as normal, prestige, subeconomic and labour-
SANS 10120-2 D:1982 (2002-07-30) (SABS 0120-2 D)	
Code of practice for use with standardized specifications for civil engineeri specification Section D: Earthworks	ng construction and contract documents Part 2: Project
Ed 2.00 A4 6p EN Loose-leaf PDF 6p EN	Gr 7 93.020
To meet requirements imposed by various norms of economic development, proj based projects.	ects are classified as normal, prestige, subeconomic and labour-
Am 1(National), 1988-06-01	
SANS 10120-2 DA:1982 (2002-07-30) (SABS 0120-2 DA)	
Code of practice for use with standardized specifications for civil engineeri specification Section DA: Earthworks (small works)	ng construction and contract documents Part 2: Project
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 5 93.020
To meet requirements imposed by various norms of economic development. Am 1(National), 1988-06-01	
SANS 10120-2 DB:1982 (2002-07-30) (SABS 0120-2 DB)	
Code of practice for use with standardized specifications for civil engineeri specification Section DB: Earthworks (pipe trenches)	ng construction and contract documents Part 2: Project
Ed 2.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 5 93.020
To meet requirements imposed by various norms of economic development. Am 1(National), 1989-02-01	
SANS 10120-2 DE:1984 (2002-07-30) (SABS 0120-2 DE)	
Code of practice for use with standardized specifications for civil engineeri specification Section DE: Small earth dams	ng construction and contract documents Part 2: Project
Ed 1.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 93.020
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 DK:1996 (2002-07-30) (SABS 0120-2 DK)	
Code of practice for use with standardized specifications for civil engineeri specification Section DK: Gabions and pitching	ng construction and contract documents Part 2: Project
Ed 2.00 A4 19p EN Loose-leaf PDF 19p EN	Gr 5 93.020
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 DM:1981 (2002-07-30) (SABS 0120-2 DM)	
Code of practice for use with standardized specifications for civil engineeri specification Section DM: Earthworks (roads, subgrade)	ng construction and contract documents Part 2: Project
Ed 1.00 A4 6p EN Loose-leaf PDF 6p EN	Gr 5 93.020; 93.080.10
To meet requirements imposed by various norms of economic development.	

SANS 10120-2 DN:1982 (2002-07-30) (SABS 0120-2 DN)	
Code of practice for use with standardized specifications for civil engineerin specification Section DN: Earthworks (railway sidings)	ng construction and contract documents Part 2: Project
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 93.020; 93.100
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 F:1983 (2002-07-30) (SABS 0120-2 F)	
Code of practice for use with standardized specifications for civil engineerin specification Section F: Piling	ng construction and contract documents Part 2: Project
Ed 1.00 A4 4p EN Loose-leaf	Gr 3
PDF 4p EN	93.020
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 G:1982 (2002-07-30) (SABS 0120-2 G)	
Code of practice for use with standardized specifications for civil engineerin specification Section G: Concrete (structural)	ng construction and contract documents Part 2: Project
Ed 2.00 A4 9p EN Loose-leaf	Gr 5
PDF 9p EN	91.080.40; 93.010
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 GA:1982 (2002-07-30) (SARS 0120-2 GA)	
Code of practice for use with standardized specifications for civil engineerin specification Section GA: Concrete (small works)	ng construction and contract documents Part 2: Project
Ed 2.00 A4 2p EN Loose-leaf	Gr 2
To meet requirements imposed by various norms of economic development.	91.060.40, 93.020
SANS 10120-2 GB:1984 (2002-07-30)	
Code of practice for use with standardized specifications for civil engineerin specification Section GB: Concrete (ordinary buildings)	ng construction and contract documents Part 2: Project
Ed 1.00 A4 2p EN Loose-leaf	Gr 3
PDF 2p EN	91.080.40; 93.010
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 GE:1984 (2002-07-30) (SABS 0120-2 GE)	
Code of practice for use with standardized specifications for civil engineerin specification Section GE: Precast concrete (structural)	ng construction and contract documents Part 2: Project
Ed 1.00 A4 2p EN Loose-leaf	Gr 2
To meet requirements imposed by various norms of economic development.	91.080.40; 93.010
SANS 10120-2 GF:1984 (2002-07-30)	
Code of practice for use with standardized specifications for civil engineerin specification Section GF: Prestressed concrete	ng construction and contract documents Part 2: Project
Ed 1.00 A4 4p EN Loose-leaf PDF 4p EN	Gr 3 91.080.40; 93.010
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 H:1990 (2002-07-30) (SABS 0120-2 H)	
Code of practice for use with standardized specifications for civil engineerin	ng construction and contract documents Part 2: Project
Ed 3.00 A4 4p EN Loose-leaf PDF 4p EN	Gr 6 91.080.10; 93.010

To meet requirements imposed by various norms of economic development.

SANS 10120-2 HA:1990 (2002-07-30) (SABS 0120-2 HA)		
Code of practice for use with standardized specifications for civil engineerin specification HA: Structural steelwork (sundry items)	ng construction and contract documents Part 2: Project	
Ed 2.00 A4 4p EN Loose-leaf PDF 4p EN	Gr 6 91.080.10; 93.010	
To meet requirements imposed by various norms of economic development.		
SANS 10120-2 HB:1985 (2002-07-30) (SABS 0120-2 HB)		
Code of practice for use with standardized specifications for civil engineerin specification Section HB: Cladding and sheeting	ng construction and contract documents Part 2: Project	
Ed 1.00 A4 4p EN Loose-leaf PDF 4p EN	Gr 3 91.080.10: 93.010	
To meet requirements imposed by various norms of economic development.		
SANS 10120-2 HC:1988 (2002-07-30) (SABS 0120-2 HC)		
Code of practice for use with standardized specifications for civil engineerin specification Section HC: Corrosion protection of structural steelwork	ng construction and contract documents Part 2: Project	
Ed 1.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 4 25 220 01: 91 080 10: 93 010	
To meet requirements imposed by various norms of economic development.		
SANS 10120-2 HE:1983 (2002-07-30) (SABS 0120-2 HE)		
Code of practice for use with standardized specifications for civil engineerin specification Section HE: Structural aluminiumwork	ng construction and contract documents Part 2: Project	
Ed 1.00 A4 1p EN Loose-leaf PDF 1p EN	Gr 2 91.080.10; 93.010	
To meet requirements imposed by various norms of economic development.		
SANS 10120-2 L:1983 (2002-07-30) (SABS 0120-2 L)		
Code of practice for use with standardized specifications for civil engineerin specification Section L: Medium-pressure pipelines	ng construction and contract documents Part 2: Project	
Ed 2.00 A4 4p EN Loose-leaf PDF 4p EN	Gr 3 23.040.01; 93.020	
To meet requirements imposed by various norms of economic development.		
SANS 10120-2 LB:1983 (2002-07-30) (SABS 0120-2 LB)		
Code of practice for use with standardized specifications for civil engineerir specification Section LB: Bedding (pipes)	ng construction and contract documents Part 2: Project	
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 23.040.01; 93.020	
To meet requirements imposed by various norms of economic development.		
SANS 10120-2 LC:1981 (2002-07-30) (SABS 0120-2 LC)		
Code of practice for use with standardized specifications for civil engineerin specification Section LC: Cable ducts	ng construction and contract documents Part 2: Project	
Ed 1.00 A4 6p EN Loose-leaf PDF 6p EN	Gr 4 29.120.10; 93.020	
To meet requirements imposed by various norms of economic development.		
SANS 10120-2 LD:1982 (2002-07-30) (SABS 0120-2 LD)		
Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 2: Project specification Section LD: Sewers		
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 91.140.80; 93.020	

To meet requirements imposed by various norms of economic development.

SANS 10120-2 LE:1982 (2002-07-30) (SABS 0120-2 LE)	
Code of practice for use with standardized specifications for civil engineerin specification Section LE: Stormwater drainage	g construction and contract documents Part 2: Project
Ed 2.00 A4 5p EN Loose-leaf PDF 5p EN	Gr 4 91.140.80; 93.020
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 LF:1983 (2002-07-30) (SABS 0120-2 LF)	
Code of practice for use with standardized specifications for civil engineerin specification Section LF: Erf connections (water)	g construction and contract documents Part 2: Project
Ed 1.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 91 140 60: 93 020
To meet requirements imposed by various norms of economic development.	51.140.00, 50.020
SANS 10120-2 LG:1983 (2002-07-30) (SABS 0120-2 LG)	
Code of practice for use with standardized specifications for civil engineerin specification Section LG: Pipe jacking	g construction and contract documents Part 2: Project
Ed 1.00 A4 2p EN Loose-leaf	Gr 2
PDF 2p EN	23.040.01; 93.020
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 M:1996 (2002-07-30) (SABS 0120-2 M)	
Code of practice for use with standardized specifications for civil engineerin specification Section M: Roads (general)	g construction and contract documents Part 2: Project
Ed 2.00 A4 14p EN Loose-leaf	Gr 5
PDF 14p EN	93.080.01
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 ME:1981 (2002-07-30) (SABS 0120-2 ME)	
Code of practice for use with standardized specifications for civil engineerin specification Section ME: Subbase	g construction and contract documents Part 2: Project
Ed 1.00 A4 3p EN Loose-leaf	Gr 3
PDF 3p EN	93.080.10
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 MF:1981 (2002-07-30) (SABS 0120-2 MF)	
Code of practice for use with standardized specifications for civil engineerin specification Section MF: Base	g construction and contract documents Part 2: Project
Ed 1.00 A4 2p EN Loose-leaf	Gr 3
PDF 2p EN	93.080.10
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 MFL:1996 (2002-07-30) (SABS 0120-2 MFL)	
Code of practice for use with standardized specifications for civil engineerin specification Section MEL: Base (light payement structures)	g construction and contract documents Part 2: Project
Ed 1.00 A4 11p EN	Gr 5
To meet requirements imposed by various norms of economic development.	93.080.20
SANS 10120-2 MG 1996 (2002-07-30)	
(SABS 0120-2 MG)	
Code of practice for use with standardized specifications for civil engineerin specification Section MG: Bituminous surface treatment	g construction and contract documents Part 2: Project
Ed 2.00 A4 14p EN Loose-leaf	Gr 5
PDF 14p EN	93.080.20

Consider an appropriate design combined with neutral documentation and neutral specifications.

SANS 10120-2 MH:1996 (2002-07-30) (SABS 0120-2 MH) Code of practice for use with standardized specifications for civil engineerin	g construction and contract documents Part 2: Project
specification Section MH: Asphalt base and surfacing	
Ed 2.00 A4 14p EN Loose-leaf PDE 14p EN	Gr 5
To most requirements impressed by various perms of economic development	91.100.50; 93.080.20
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 MJ:1984 (2002-07-30) (SABS 0120-2 MJ)	
Code of practice for use with standardized specifications for civil engineerin	g construction and contract documents Part 2: Project
Ed 1.00 A4 2p EN Loose-leaf	Gr 2
PDF 2p EN	93.080.20
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 MK:1983 (2002-07-30) (SABS 0120-2 MK)	
Code of practice for use with standardized specifications for civil engineerin specification Section MK: Kerbing and channeling	g construction and contract documents Part 2: Project
Ed 1.00 A4 1p EN Loose-leaf	Gr 2
PDF 1p EN	93.080.10
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 MM:1984 (2002-07-30) (SABS 0120-2 MM)	
Code of practice for use with standardized specifications for civil engineerin	g construction and contract documents Part 2: Project
specification Section MM: Ancillary roadworks	
PDF 2p EN	93.080.10
To meet requirements imposed by various norms of economic development.	
SANS 10120-2 NB:1981 (2002-07-30) (SABS 0120-2 NB)	
Code of practice for use with standardized specifications for civil engineerin specification Section NB: Railway sidings (trackwork)	g construction and contract documents Part 2: Project
Ed 1.00 A4 2p EN Loose-leaf	Gr 2
PDF 2p EN	93.100
To meet requirements imposed by various norms of economic development.	
SANS 10120-3 INTRO:1986 (2002-07-30) (SABS 0120-3 INTRO)	
Code of practice for use with standardized specifications for civil engineerin for design, Introduction	g construction and contract documents Part 3: Guidance
Ed 3.00 A4 3p EN Loose-leaf	Gr 3
PDF 3p EN	03.100.50; 93.010
Covers and indication of the contents of the succeeding sections, the economic ne and use of standardised specifications, responsibility for design, and matters relat	orms that are considered in design work and in the preparation ing to the site inspection.
SANS 10120-3 A:1986 (2002-07-30) (SABS 0120-3 A)	
Code of practice for use with standardized specifications for civil engineerin for design Section A: General	g construction and contract documents Part 3: Guidance
Ed 3.00 A4 5p EN Loose-leaf	Gr 4
PDF 5p EN	93.010
For use in connection with works of civil engineering construction, prepared under recommended by these bodies for general use, and also endorsed by the Divil En	the auspices of the SAICE, SAACE and SAFCEC and gineering Advisory Council for general use.
SANS 10120-3 AA:1982 (2002-07-30) (SABS 0120-3 AA)	
Code of practice for use with standardized specifications for civil engineerin for design Section AA: General (small works)	g construction and contract documents Part 3: Guidance
Ed 2.00 A4 1p EN Loose-leaf	Gr 2
PDF 1p EN	93.020
Bearing on the control of work to be execduted in accordance with SABS 1200 AA	and apply them, mutatis mutandis, to the project in hand.

SANS 10120-3 AB:1986 (2002-07-30)	
(SABS 0120-3 AB)	
Code of practice for use with standardized specifications for civil engine for design Section AB: Engineer's office	eering construction and contract documents Part 3: Guidance
Ed 3.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 93.010
Guidance for design - engineer's office	
SANS 10120-3 AD:1986 (2002-07-30) (SABS 0120-3 AD)	
Code of practice for use with standardized specifications for civil engine for design Section AD: General (small dams)	eering construction and contract documents Part 3: Guidance
Ed 2.00 A4 2p EN Loose-leaf	Gr 1
PDF ² pEN	93.020
Guidance for design - General (small dams)	
SANS 10120-3 AH:1983 (2002-07-30) (SABS 0120-3 AH)	
Code of practice for use with standardized specifications for civil engine for design Section AH: General (structural)	eering construction and contract documents Part 3: Guidance
Ed 2.00 A4 3p EN Loose-leaf	Gr 3
	93.010
Guidance for design - general (structural)	
SANS 10120-3 C:1982 (2002-07-30) (SABS 0120-3 C)	
Code of practice for use with standardized specifications for civil engine for design Section C: Site clearance	eering construction and contract documents Part 3: Guidance
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 93.020
Site clearance	
SANS 10120-3 D:1982 (2002-07-30) (SABS 0120-3 D)	
Code of practice for use with standardized specifications for civil engine for design Section D: Earthworks	eering construction and contract documents Part 3: Guidance
Ed 2.00 A4 3p EN Loose-leaf	Gr 6
PDF 3p EN	93.020
Earthworks	
SANS 10120-3 DA:1982 (2002-07-30) (SABS 0120-3 DA)	
Code of practice for use with standardized specifications for civil engine for design Section DA: Earthworks (small works)	eering construction and contract documents Part 3: Guidance
Ed 2.00 A4 1p EN Loose-leaf	Gr 2
Earthworks (small works)	93.020
SANS 10120-3 DB:1982 (2002-07-30) (SABS 0120-3 DB)	
Code of practice for use with standardized specifications for civil engine for design Section DB: Earthworks (pipe trenches)	eering construction and contract documents Part 3: Guidance
Ed 2.00 A4 3p EN Loose-leaf	Gr 5
	93.020
Am 1(National), 1989-02-27	
SANS 10120-3 DE:1984 (2002-07-30) (SABS 0120-3 DE)	
Code of practice for use with standardized specifications for civil engine	eering construction and contract documents Part 3: Guidance
tor design Section DE: Small earth dams	Gr 2
PDF 3p EN	93.020
Small earth dams	

SANS 10120-3 DK:1996 (2002-07-30) (SABS 0120-3 DK)	
Code of practice for use with standardized specifications for civil er for design Section DK: Gabions and pitching	ngineering construction and contract documents Part 3: Guidance
Ed 2.00 A4 19p EN Loose-leaf PDF 19p EN	Gr 6 93.020
Gabions and ptiching	
SANS 10120-3 DM:1981 (2002-07-30) (SABS 0120-3 DM)	
Code of practice for use with standardized specifications for civil er for design Section DM: Earthworks (roads, subgrade)	ngineering construction and contract documents Part 3: Guidance
Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 93.020; 93.080.10
Earthworks (roads, subgrade)	
SANS 10120-3 DN:1982 (2002-07-30) (SABS 0120-3 DN)	
for design Section DN: Earthworks (railway sidings)	ngineering construction and contract documents Part 3: Guidance
Ed 2.00 A4 1p EN Loose-leaf PDF 1p EN	Gr 2 93.020; 93.100
Earthworks (railway sidings)	
SANS 10120-3 F:1983 (2002-07-30) (SABS 0120-3 F)	
Code of practice for use with standardized specifications for civil er for design Section F: Piling	ngineering construction and contract documents Part 3: Guidance
Ed 1.00 A4 4p EN Loose-leaf PDF 4p EN	Gr 3 93.020
Piling	
SANS 10120-3 G:1982 (2002-07-30) (SABS 0120-3 G)	
Code of practice for use with standardized specifications for civil er for design Section G: Concrete (structural)	ngineering construction and contract documents Part 3: Guidance
Ed 2.00 A4 9p EN Loose-leaf	Gr 5
PDF 9p EN	91.080.40; 93.010
SANS 10120-3 GA:1982 (2002-07-30) (SABS 0120-3 GA)	
Code of practice for use with standardized specifications for civil er for design Section GA: Concrete (small works)	ngineering construction and contract documents Part 3: Guidance
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 91.080.40; 93.020
Concrete (small works)	
SANS 10120-3 GB:1984 (2002-07-30) (SABS 0120-3 GB)	
Code of practice for use with standardized specifications for civil er for design Section GB: Concrete (ordinary buildings)	ngineering construction and contract documents Part 3: Guidance
Ed 1.00 A4 4p EN Loose-leaf PDF 4p EN	Gr 3 91.080.40; 93.010
Concrete (ordinary buildings)	
SANS 10120-3 GE:1984 (2002-07-30) (SABS 0120-3 GE)	
Code of practice for use with standardized specifications for civil e for design Section GE: Precast concrete (structural)	ngineering construction and contract documents Part 3: Guidance
Ed 1.00 A4 2p EN Loose-leaf	Gr 2
Precast concrete (structural)	91.080.40; 93.010
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SANS 10120-3 GF:1984 (2002-07-30)	
(SABS 0120-3 GF)	
Code of practice for use with standardized specifications for civ for design Section GF: Prestressed concrete	il engineering construction and contract documents Part 3: Guidance
Ed 1.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 91.080.40; 93.010
Prestressed concrete	
SANS 10120-3 H:1990 (2002-07-30) (SABS 0120-3 H)	
Code of practice for use with standardized specifications for civ for design Section H: Structural steelwork	il engineering construction and contract documents Part 3: Guidance
Ed 3.00 A4 6p EN Loose-leaf PDF 6p EN	Gr 7 91.080.10; 93.010
Structural steelwork	
SANS 10120-3 HA:1990 (2002-07-30) (SABS 0120-3 HA)	
Code of practice for use with standardized specifications for civ for design Section HA: Structural steelwork (sundry items)	il engineering construction and contract documents Part 3: Guidance
Ed 2.00 A4 4p EN Loose-leaf PDF 4p EN	Gr 6 91.080.10; 93.010
Structural steelwork (sundry items)	
SANS 10120-3 HB:1985 (2002-07-30) (SABS 0120-3 HB)	
Code of practice for use with standardized specifications for civ for design Section HB: Cladding and sheeting	il engineering construction and contract documents Part 3: Guidance
Ed 1.00 A4 4p EN Loose-leaf PDF 4p EN	Gr 3 91.080.10; 93.010
Cladding and sheeting	
SANS 10120-3 HC:1988 (2002-07-30) (SABS 0120-3 HC)	
Code of practice for use with standardized specifications for civ for design Section HC: Corrosion protection of structural steelw	il engineering construction and contract documents Part 3: Guidance ork
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Corrosion protection of structural steelwork	
SANS 10120-3 HE:1983 (2002-07-30) (SABS 0120-3 HE)	
Code of practice for use with standardized specifications for civ for design Section HE: Structural aluminiumwork	il engineering construction and contract documents Part 3: Guidance
Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 91.080.10; 93.010
Structural aluminiumwork	
SANS 10120-3 L:1983 (2002-07-30) (SABS 0120-3 L)	
Code of practice for use with standardized specifications for civ for design Section L: Medium-pressure pipelines	il engineering construction and contract documents Part 3: Guidance
Ed 2.00 A4 13p EN Loose-leaf PDF 13p EN	Gr 6 23.040.01; 93.020
Medium-pressure pipelines	
SANS 10120-3 LB:1983 (2002-07-30) (SABS 0120-3 LB)	
Code of practice for use with standardized specifications for civ for design Section LB: Bedding (pipes)	il engineering construction and contract documents Part 3: Guidance
Ed 2.00 A4 6p EN Loose-leaf PDF 6p EN	Gr 5 23.040.01; 93.020
Bedding (pipes)	

SANS 10120-3 LC:1981 (2002-07-30) (SABS 0120-3 LC)	
Code of practice for use with standardized specifications for civil eng for design Section LC: Cable ducts	gineering construction and contract documents Part 3: Guidance
Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 2 29.120.10; 93.020
Cable ducts	
SANS 10120-3 LD:1982 (2002-07-30) (SABS 0120-3 LD)	
Code of practice for use with standardized specifications for civil eng for design Section LD: Sewers	gineering construction and contract documents Part 3: Guidance
Ed 2.00 A4 10p EN Loose-leaf PDF 10p EN	Gr 5 91.140.80; 93.020
Sewers	
SANS 10120-3 LE:1982 (2002-07-30) (SABS 0120-3 LE)	
Code of practice for use with standardized specifications for civil eng for design Section LE: Stormwater drainage	gineering construction and contract documents Part 3: Guidance
Ed 2.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 91.140.80; 93.020
Stormwater drainage	
SANS 10120-3 LF:1983 (2002-07-30) (SABS 0120-3 LF)	
Code of practice for use with standardized specifications for civil eng for design Section LF: Erf connections (water)	gineering construction and contract documents Part 3: Guidance
Ed 1.00 A4 7p EN Loose-leaf PDF 7p EN	Gr 5 91.140.60; 93.020
Erf connections (water)	
SANS 10120-3 LG:1983 (2002-07-30) (SABS 0120-3 LG)	
Code of practice for use with standardized specifications for civil eng	gineering construction and contract documents Part 3: Guidance
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PDF 5p EN	23.040.01; 93.020
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SANS 10120-3 M:1996 (2002-07-30) (SABS 0120-3 M)	
Code of practice for use with standardized specifications for civil eng for design Section M: Roads (general)	gineering construction and contract documents Part 3: Guidance
Ed 2.00 A4 14p EN Loose-leaf PDF 14p EN	Gr 7 93.080.01
Roads (general)	
SANS 10120-3 ME:1981 (2002-07-30) (SABS 0120-3 ME)	
Code of practice for use with standardized specifications for civil eng for design Section ME: Subbase	gineering construction and contract documents Part 3: Guidance
Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 93.080.10
Subbase	
SANS 10120-3 MF:1981 (2002-07-30) (SABS 0120-3 MF)	
Code of practice for use with standardized specifications for civil eng for design Section MF: Base	gineering construction and contract documents Part 3: Guidance
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Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 3: Gi Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 3: Gi Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 3: Gi SANS 10120-3 MG: 1996 (2002-07-30) (SABS 0120-3 MG) Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 3: Gi for design Section MG: Bituminous surface treatment Ed 2:00 A41 4pt EN Loose-leaf gr 5 PDF 14p EN 90:02:03 MH: 1996 (2002-07-30) (SABS 0120-3 MH) Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 3: Gi for design Section MH: Asphalt base and surfacing Ed 2:00 A41 tp EN Loose-leaf Gr 5 PDF 11p EN 91.100.50; 93.080.20 Asphalt base and surfacing Gr 3 SANS 10120-3 MJ: 1984 (2002-07-30) (SABS 0120-3 MJ) Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 3: Gi for design Section MJ: Segmented paving Gr 3 Ed 1:00 A42 pEN Loose-leaf Gr 3	uidance uidance uidance
Tor design Section MFL: Base (light pavement structures) Gr 4 PDF Tip EN 93.080.20 Base (light pavement structures) SANS 10120-3 MG: 1996 (2002-07-30) (SABS 0120-3 MG) Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 3: Gr for design Section MG: Bituminous surface treatment Ed 2.00 At 14p EN Loose-leaf pDF 14p EN 93.080.20 Bituminous surface treatment Gr 5 pDF 14p EN 93.080.20 Bituminous surface treatment Gr 5 pDF 30.800.20 Difference SANS 10120-3 MH:1996 (2002-07-30) (SABS 0120-3 MH) Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 3: Gr for design Section MH: Asphalt base and surfacing Ed 2.00 At 11p EN Loose-leaf pDF 11p EN 91.100.50; 93.080.20 Asphalt base and surfacing Gr 5 pDF 30.80.20 SANS 10120-3 MJ:1984 (2002-07-30) GAS 1120.304.20 Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 3: Gr for design Section MJ: Segmented paving SANS 10120-3 MJ:1984 (2002-07-30) GAS 30.80.20 Segmented paving Gr 3 pDF 3p EN SANS 10120-3 MK:1983 (2002-07-30) GAS 30.80.20 Segmented paving	uidance uidance uidance
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Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 3: Gi	
for design Section MM: Ancillary roadworks	uidance
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Ancillary roadworks	
SANS 10120-3 NB:1981 (2002-07-30) (SABS 0120-3 NB)	
Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 3: Go for design Section NB: Railway sidings (trackwork)	uidance
Ed 1.00 A4 8p EN Loose-leaf Gr 5 PDF 8p EN 93.100	
Railway sidings (trackwork)	
SANS 10120-4 INTRO:1986 (2002-07-30) (SABS 0120-4 INTRO)	
Code of practice for use with standardized specifications for civil engineering construction and contract documents Part 4: Ty schedule of quantities, Introduction	pical
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Covers typical schedules of quantities relating to the work covered by standardized specifications.
SANS 10120-4 A:1986 (2002-07-30)	
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schedule of quantities Section A: General	
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SANS 10120-4 AA:1982 (2002-07-30) (SABS 0120-4 AA)	
Code of practice for use with standardized specifications for civil er	ngineering construction and contract documents Part 4: Typical
schedule of quantities Section AA: General (small works)	
Ed 2.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 93.020
Covers general guidance on the taking-off of quantities and the preparation	on of a schedule of quantities for small works.
SANS 10120-4 AB:1982 (2002-07-30) (SABS 0120-4 AB)	
Code of practice for use with standardized specifications for civil er schedule of quantities Section AB: Engineer's office	ngineering construction and contract documents Part 4: Typical
Ed 2.00 A4 1p EN Loose-leaf	Gr 2
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Covers the taking-off of quantities and the preparation of a schedule of q	uantities for an engineer's office.
SANS 10120-4 AD:1984 (2002-07-30) (SABS 0120-4 AD)	
Code of practice for use with standardized specifications for civil er schedule of guantities Section AD: General (small dams)	ngineering construction and contract documents Part 4: Typical
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Covers schedules of quantities for small dams.	
SANS 10120-4 AH:1983 (2002-07-30) (SABS 0120-4 AH)	
Code of practice for use with standardized specifications for civil er schedule of quantities Section AH: General (structural)	ngineering construction and contract documents Part 4: Typical
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Covers schedules of quantities for structures.	
SANS 10120-4 C:1982 (2002-07-30) (SABS 0120-4 C)	
Code of practice for use with standardized specifications for civil er schedule of quantities Section C: Site clearance	ngineering construction and contract documents Part 4: Typical
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Covers the clearance of a site.	
SANS 10120-4 D:1982 (2002-07-30)	
Code of practice for use with standardized specifications for civil er schedule of quantities Section D: Earthworks	ngineering construction and contract documents Part 4: Typical
Ed 2.00 A4 3p EN Loose-leaf	Gr 4
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SANS 10120-4 DA:1982 (2002-07-30) (SABS 0120-4 DA)	
Code of practice for use with standardized specifications for civil er	ngineering construction and contract documents Part 4: Typical
schedule of quantities Section DA: Earthworks (small works)	
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Covers the schedules of quantities for earthworks (small works). Am 1(National), 1988-06-01	

Standards South Africa Catalogue 2013 NUM - 455

SANS 10120-4 DB:1982 (2002-07-30) (SABS 0120-4 DB) Code of practice for use with standardized specifications for civil engine	eering construction and contract documents Part 4: Typical
schedule of quantities Section DB: Earthworks (pipe trenches)	
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SANS 10120-4 DE:1984 (2002-07-30) (SABS 0120-4 DE)	
Code of practice for use with standardized specifications for civil engine schedule of quantities Section DE: Small earth dams	eering construction and contract documents Part 4: Typical
Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 93.020
Small earth dams	
SANS 10120-4 DK:1984 (2002-07-30) (SABS 0120-4 DK)	
Code of practice for use with standardized specifications for civil engine schedule of quantities Section DK: Gabions and pitching	eering construction and contract documents Part 4: Typical
Ed 1.00 A4 2p EN Loose-leaf	Gr 2
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SANS 10120-4 DM:1981 (2002-07-30) (SABS 0120-4 DM)	
Code of practice for use with standardized specifications for civil engine schedule of quantities Section DM: Earthworks (roads, subgrade)	eering construction and contract documents Part 4: Typical
Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 93.020; 93.080.10
Earthworks (roads, subgrade)	
SANS 10120-4 DN:1982 (2002-07-30) (SABS 0120-4 DN)	
Code of practice for use with standardized specifications for civil engine schedule of quantities Section DN: Earthworks (railway sidings)	eering construction and contract documents Part 4: Typical
Ed 2.00 A4 1p EN Loose-leaf	Gr 2
PDF 1p EN Earthworks (railway sidings)	93.020; 93.100
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(SABS 0120-4 F)	
Code of practice for use with standardized specifications for civil engine schedule of quantities Section F: Piling	eering construction and contract documents Part 4: Typical
Ed 1.00 A4 2p EN Loose-leaf	Gr 2
PDF 2p EN Biling	93.020
SANS 10120-4 C-1082 (2002-07-20)	
(SABS 0120-4 G)	
Code of practice for use with standardized specifications for civil engine schedule of quantities Section G: Concrete (structural)	eering construction and contract documents Part 4: Typical
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Concrete (structural)	
SANS 10120-4 GA:1982 (2002-07-30) (SABS 0120-4 GA)	
Code of practice for use with standardized specifications for civil engine schedule of quantities Section GA: Concrete (small works)	eering construction and contract documents Part 4: Typical
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SANS 10120-4 GB:1984 (2002-07-30)	
(SABS 0120-4 GB)	
Code of practice for use with standardized specifications for civil e schedule of quantities Section GB: Concrete (ordinary buildings)	engineering construction and contract documents Part 4: Typical
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SANS 10120-4 GE:1984 (2002-07-30) (SABS 0120-4 GE)	
Code of practice for use with standardized specifications for civil eschedule of quantities Section GE: Precast concrete (structural)	engineering construction and contract documents Part 4: Typical
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Code of practice for use with standardized specifications for civil e schedule of quantities Section GF: Prestressed concrete	engineering construction and contract documents Part 4: Typical
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Prestressed concrete	
SANS 10120-4 H:1990 (2002-07-30) (SABS 0120-4 H)	
Code of practice for use with standardized specifications for civil e schedule of quantities Section H: Structural steelwork	engineering construction and contract documents Part 4: Typical
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SANS 10120-4 HA:1990 (2002-07-30) (SABS 0120-4 HA)	
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SANS 10120-4 HB:1985 (2002-07-30) (SABS 0120-4 HB)	
Code of practice for use with standardized specifications for civil e schedule of quantities Section HB: Cladding and sheeting	engineering construction and contract documents Part 4: Typical
Ed 1.00 A4 2p EN Loose-leaf	Gr 3
Cladding and sheeting	91.080.10; 93.010
SANS 10120-4 HC:1988 (2002-07-30)	
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Code of practice for use with standardized specifications for civil e schedule of quantities Section HE: Structural alumuniumwork	engineering construction and contract documents Part 4: Typical
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Code of practice for use with standardized specifications for civil en schedule of quantities Section LB: Bedding (pipes)	gineering construction and contract documents Part 4: Typical
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Bedding (pipes)	
SANS 10120-4 LC:1981 (2002-07-30) (SABS 0120-4 LC)	
Code of practice for use with standardized specifications for civil en schedule of quantities Section LC: Cable ducts	gineering construction and contract documents Part 4: Typical
Ed 1.00 A4 1p EN Loose-leaf PDF 1p EN	Gr 2
Cable ducts	29.120.10, 93.020
SANS 10120-4 LD:1982 (2002-07-30) (SABS 0120-4 LD)	
Code of practice for use with standardized specifications for civil en schedule of quantities Section LD: Sewers	gineering construction and contract documents Part 4: Typical
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 91.140.80; 93.020
Sewers	
SANS 10120-4 LE:1982 (2002-07-30) (SABS 0120-4 LE)	
Code of practice for use with standardized specifications for civil en schedule of quantities Section LE: Stormwater drainage	gineering construction and contract documents Part 4: Typical
Ed 2.00 A4 1p EN Loose-leaf	Gr 2
PDF 1p EN	91.140.80; 93.020
Stormwater drainage	
SANS 10120-4 LF:1983 (2002-07-30) (SABS 0120-4 LF)	
Code of practice for use with standardized specifications for civil en schedule of quantities Section LF: Erf connections (water)	gineering construction and contract documents Part 4: Typical
Ed 1.00 A4 1p EN Loose-leaf	Gr 2
PDF 1p EN	91.140.60; 93.020
Erf connections (water)	
SANS 10120-4 LG:1983 (2002-07-30) (SABS 0120-4 LG)	
Code of practice for use with standardized specifications for civil en schedule of quantities Section LG: Pipe jacking	gineering construction and contract documents Part 4: Typical
Ed 1.00 A4 1p EN Loose-leaf PDF 1p EN	Gr 2 23.040.01; 93.020
Pipe jacking	
SANS 10120-4 M:1996 (2002-07-30) (SABS 0120-4 M)	
Code of practice for use with standardized specifications for civil en schedule of quantities Section M: Roads (general)	gineering construction and contract documents Part 4: Typical
Ed 2.00 A4 14p EN Loose-leaf	Gr 3
PDF 14p EN	93.080.01
Roads (general)	

SANS 10120-4 ME:1981 (2002-07-30) (SABS 0120-4 ME)	
Code of practice for use with standardized specifications for civil engit schedule of quantities Section ME: Subbase	neering construction and contract documents Part 4: Typical
Ed 1.00 A4 3p EN Loose-leaf	Gr 3
PDF ['] 3p EN	93.080.10
Explains the format and content of standardized civil engeneering specificat and other contract documents.	ions and also gives guidance on the drafting of project specifications
SANS 10120-4 MF:1981 (2002-07-30) (SABS 0120-4 MF)	
Code of practice for use with standardized specifications for civil engine	neering construction and contract documents Part 4: Typical
schedule of quantities Section MF: Base	
PDF 3p EN	93.080.10
Base	
SANS 10120-4 MFL:1996 (2002-07-30) (SABS 0120-4 MFL)	
Code of practice for use with standardized specifications for civil engines schedules of quantities Section MFL: Base (light pavement structures)	neering construction and contract documents Part 4: Typical
Ed 1.00 A4 1p EN Loose-leaf PDF 1p EN	Gr 5 93.080.20
Base (light pavement structures)	
SANS 10120-4 MG:1981 (2002-07-30) (SABS 0120-4 MG)	
Code of practice for use with standardized specifications for civil engine schedule of quantities Section MG: Bituminous surface treatment	neering construction and contract documents Part 4: Typical
Ed 1.00 A4 14p EN Loose-leaf PDF 14p EN	Gr 2 93.080.20
Bituminous surface treatment	
SANS 10120-4 MH:1981 (2002-07-30) (SABS 0120-4 MH)	
Code of practice for use with standardized specifications for civil engine schedule of quantities Section MH: Asphalt base and surfacing	neering construction and contract documents Part 4: Typical
Ed 1.00 A4 1p EN Loose-leaf PDF 1p EN	Gr 2 91.100.50; 93.080.20
Asphalt base and surfacing	
SANS 10120-4 MJ:1984 (2002-07-30) (SABS 0120-4 MJ)	
Code of practice for use with standardized specifications for civil engines schedule of quantities Section M.I. Segmented paving	neering construction and contract documents Part 4: Typical
Ed 1.00 A4 2p EN Loose-leaf	Gr 2
PDF 2p EN	93.080.20
Explanation of the format and content of standardized civil engineering spec specifications and other contract documents	ifications and also give guidance on the drafting of project
SANS 10120-4 MK:1983 (2002-07-30) (SABS 0120-4 MK)	
Code of practice for use with standardized specifications for civil engines schedule of quantities Section MK: Kerbing and channelling	neering construction and contract documents Part 4: Typical
Ed 1.00 A4 1p EN Loose-leaf PDF 1p EN	Gr 2 93.080.10
The explanation of the format and content of standardized civil engineering specifications and other contract documents.	specifications and also give guidance on the drafting of project
SANS 10120-4 MM:1984 (2002-07-30) (SABS 0120-4 MM)	
Code of practice for use with standardized specifications for civil engines schedule of quantities Section MM: Ancillary roadworks	neering construction and contract documents Part 4: Typical
Ed 1.00 A4 2p EN Loose-leaf	Gr 3
PDF 2p EN	93.080.10

The explanation of the format and content of standardized civil engineering specifications and also gives guidance on the drafting of project specifications and other contract documents.

Standards South Africa Catalogue 2013

SANS 10120- (SABS 0120-4 Code of prac	-4 NB:1981 (2002-07-30) 4 NB) stice for use with standardized specifications for civil engineering	g construction and contract documents Part 4: Typical
schedule of	quantities Section NB: Railway sidings (trackwork)	
Ed 1.00 A4 2	2p EN Loose-leat E 2p EN	Gr 2
		93.100
The explanations	ion of the format and content of standardized civil engineering specific and other contract documents.	ations and also gives guidance on the dratting of project
SANS 10120-	-5 INTRO:1986 (2002-07-30) 5 INTRO)	
Code of prac	ctice for use with standardized specifications for civil engineering	construction and contract documents Part 5: Contract
Ed 3 00 A4	Zn EN Loose-leaf	Gr 4
PDI	F 7p EN	03.160; 93.010
Covers recom specifications	nmendations and suggestions intended to assist the engineer and the s and to assist them to work in harmony by promoting undrstanding of	contrctor in executing work covered by the standardized each other's problems.
SANS 10120- (SABS 0120-	-5 A:1986 (2002-07-30) 5 A)	
Code of prac administration	ctice for use with standardized specifications for civil engineering on Section A: General	construction and contract documents Part 5: Contract
Ed 3.00 A4 2	2p EN Loose-leaf	Gr 2
PDI	F 2р ЕМ	93.010
Explains the f and other con	format and content of standardized civil engineering specifications and ntract documents.	also gives guidance on the drafting of project specifications
SANS 10120-	-5 AA:1982 (2002-07-30) 5 AA)	
Code of prac administration	ctice for use with standardized specifications for civil engineering on Section AA: General (small works)	construction and contract documents Part 5: Contract
Ed 2.00 A4	1p EN Loose-leaf	Gr 2
		93.020
Explains the f and other con	format and content of standardized civil engineering specifications and ntract documents.	also gives guidance on the dratting of project specifications
SANS 10120-	-5 AB:1986 (2002-07-30) 5 AB)	
Code of prac administration	ctice for use with standardized specifications for civil engineering on Section AB: Engineer's office	construction and contract documents Part 5: Contract
Ed 3.00 A4	1p EN Loose-leaf	Gr 1
PDI	н тр Ем	93.010
Explains the f contract docu	format and content of standardized civil engineering and also gives gu iments.	idance on the drafting of project specifications and other
SANS 10120- (SABS 0120-	-5 AD:1986 (2002-07-30) 5 AD)	
Code of prac administration	ctice for use with standardized specifications for civil engineering on Section AD: General (small dams)	construction and contract documents Part 5: Contract
Ed 2.00 A4 2 PDF	2p EN Loose-leaf F 2p EN	Gr 1 93.020
Explains the f and other con	format and content of standardized civil engineering specifications and ntract documents.	also gives guidance on the drafting of project specifications
SANS 10120-	-5 AH:1983 (2002-07-30) 5 AH)	
Code of prac administratio	tice for use with standardized specifications for civil engineering on Section AH: General (structural)	g construction and contract documents Part 5: Contract
Ed 2.00 A4	2p EN Loose-leaf	Gr 2
PDF	F 2p EN	93.010
General (strue	ctural)	

Standards South Africa Catalogue 2013 NUM - 460

SANS 10120-5 C:1982 (2002-07-30) (SABS 0120-5 C) Code of practice for use with standardized specifications for civil engineer administration Section C: Site clearance	ing construction and contract documents Part 5: Contract
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 93.020
Site clearance	
SANS 10120-5 D:1982 (2002-07-30) (SABS 0120-5 D) Code of practice for use with standardized specifications for civil engineer administration Section D: Earthworks	ing construction and contract documents Part 5: Contract
Ed 2.00 A4 6p EN Loose-leaf PDF 6p EN	Gr 3 93.020
Earthworks	
SANS 10120-5 DA:1982 (2002-07-30) (SABS 0120-5 DA) Code of practice for use with standardized specifications for civil engineer administration Section DA: Earthworks (small works)	ing construction and contract documents Part 5: Contract
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 93.020
Easrthworks (small works)	
SANS 10120-5 DB:1982 (2002-07-30) (SABS 0120-5 DB) Code of practice for use with standardized specifications for civil engineer administration Section DB: Earthworks (pipe trenches) Ed 2.00 A4 5p EN Loose-leaf PDF 5p EN	ing construction and contract documents Part 5: Contract Gr 6 93.020
Earthworks (pipe trenches) Am 1(National), 1989-02-27	
SANS 10120-5 DE:1984 (2002-07-30) (SABS 0120-5 DE) Code of practice for use with standardized specifications for civil engineer administration Section DE: Small earth dams Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	ing construction and contract documents Part 5: Contract Gr 2 93.020
Small earth dams	
SANS 10120-5 DK:1996 (2002-07-30) (SABS 0120-5 DK)	
Code of practice for use with standardized specifications for civil engineer administration Section DK: Gabions and pitching Ed 2.00 A4 19p EN Loose-leaf PDF 19p EN	ing construction and contract documents Part 5: Contract Gr 7 93.020
Dabions and pitching	
SANS 10120-5 DM:1981 (2002-07-30) (SABS 0120-5 DM)	
Code of practice for use with standardized specifications for civil engineer administration Section DM: Earthworks (roads, subgrade) Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 93.020; 93.080.10
Earthworks (roads, subgrade)	
SANS 10120-5 DN:1982 (2002-07-30) (SABS 0120-5 DN) Code of practice for use with standardized specifications for civil engineer administration Section DN: Earthworks (railway sidings) Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2
Earthworks (railway sidings)	00.020,00.100

SANS 10120-5 F:1983 (2002-07-30)	
(SABS 0120-5 F)	
Code of practice for use with standardized specifications for civil en administration Section F: Piling	gineering construction and contract documents Part 5: Contract
Ed 1.00 A4 6p EN Loose-leaf PDF 6p EN	Gr 4 93.020
Piling	
SANS 10120-5 G:1982 (2002-07-30) (SABS 0120-5 G)	
Code of practice for use with standardized specifications for civil en administration Section G: Concrete (structural)	gineering construction and contract documents Part 5: Contract
Ed 2.00 A4 8p EN Loose-leaf PDF 8p EN	Gr 5 91.080.40; 93.010
Concrete (structural)	
SANS 10120-5 GA:1982 (2002-07-30) (SABS 0120-5 GA)	
Code of practice for use with standardized specifications for civil en administration Section GA: Concrete (small works)	gineering construction and contract documents Part 5: Contract
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 91.080.40; 93.020
Concrete (small works)	
SANS 10120-5 GB:1984 (2002-07-30) (SABS 0120-5 GB)	
Code of practice for use with standardized specifications for civil en administration Section GB: Concrete (ordinary buildings)	gineering construction and contract documents Part 5: Contract
Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 91.080.40; 93.010
Concrete (ordinary buildings)	
SANS 10120-5 GE:1984 (2002-07-30) (SABS 0120-5 GE)	
Code of practice for use with standardized specifications for civil en administration Section GE: Precast concrete (structural)	gineering construction and contract documents Part 5: Contract
Ed 1.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 91,080,40: 93,010
Precast concrete (structural)	
SANS 10120-5 GF:1984 (2002-07-30) (SABS 0120-5 GF)	
Code of practice for use with standardized specifications for civil en administration Section GF: Prestressed concrete	gineering construction and contract documents Part 5: Contract
Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 2 91,080,40: 93,010
Prestressed concrete	
SANS 10120-5 H:1990 (2002-07-30) (SABS 0120-5 H)	
Code of practice for use with standardized specifications for civil en administration Section H: Structural steelwork	gineering construction and contract documents Part 5: Contract
Ed 3.00 A4 5p EN Loose-leaf PDF 5p EN	Gr 6 91.080.10; 93.010
Structural steelwork	
SANS 10120-5 HA:1990 (2002-07-30) (SABS 0120-5 HA)	
Code of practice for use with standardized specifications for civil en administration Section HA: Structural steelwork (sundry items)	gineering construction and contract documents Part 5: Contract
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 4 91.080.10; 93.010
Structural steelwork (sundry items)	

SANS 10120-5 HB:1985 (2002-07-30) (SABS 0120-5 HB)	
Code of practice for use with standardized specifications for civil en administration Section HB: Cladding and sheeting	gineering construction and contract documents Part 5: Contract
Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 91.080.10; 93.010
Cladding and sheeting	
SANS 10120-5 HC:1988 (2002-07-30) (SABS 0120-5 HC)	
Code of practice for use with standardized specifications for civil en administration Section HC: Corrosion protection of structural steely	gineering construction and contract documents Part 5: Contract work
Ed 1.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 3 25.220.01; 91.080.10; 93.010
Corrosion protection of structural steelwork	
SANS 10120-5 HE:1983 (2002-07-30) (SABS 0120-5 HE)	
Code of practice for use with standardized specifications for civil en administration Section HE: Structural aluminiumwork	gineering construction and contract documents Part 5: Contract
Ed 1.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 91.080.10; 93.010
Structural aluminiumwork	
SANS 10120-5 L:1983 (2002-07-30) (SABS 0120-5 L)	
Code of practice for use with standardized specifications for civil en administration Section L: Medium-pressure pipelines	gineering construction and contract documents Part 5: Contract
Ed 2.00 A4 6p EN Loose-leaf PDF 6p EN	Gr 5 23.040.01; 93.020
Medium-pressure pipelines	
SANS 10120-5 LB:1983 (2002-07-30) (SABS 0120-5 LB)	
Code of practice for use with standardized specifications for civil en administration Section LB: Bedding (pipes)	gineering construction and contract documents Part 5: Contract
Ed 2.00 A4 2p EN Loose-leaf	Gr 2
FDF 2µ EN Bedding (nines)	23.040.01; 93.020
(SABS 0120-5 LC:1981 (2002-07-30) (SABS 0120-5 LC)	
Code of practice for use with standardized specifications for civil en administration Section LC: Cable ducts	gineering construction and contract documents Part 5: Contract
Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 2 29.120.10; 93.020
Cable ducts	
SANS 10120-5 LD:1982 (2002-07-30) (SABS 0120-5 LD)	
Code of practice for use with standardized specifications for civil en administration Section LD: Sewers	gineering construction and contract documents Part 5: Contract
Ed 2.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 91.140.80; 93.020
Sewers	
SANS 10120-5 LE:1982 (2002-07-30) (SABS 0120-5 LE)	
Code of practice for use with standardized specifications for civil en administration Section LE: Stormwater drainage	gineering construction and contract documents Part 5: Contract
Ed 2.00 A4 2p EN Loose-leaf PDF 2p EN	Gr 2 91.140.80; 93.020
Stormwater drainage	

SANS 10120-5 LF:1983 (2002-07-30) (SABS 0120-5 LF)	
Code of practice for use with standardized specifications for civil eng administration Section LF: Erf connections (water)	ineering construction and contract documents Part 5: Contract
Ed 1.00 A4 1p EN Loose-leaf PDF 1p EN	Gr 2 91.140.60; 93.020
Erf connections (water)	
SANS 10120-5 LG:1983 (2002-07-30) (SABS 0120-5 LG)	
Code of practice for use with standardized specifications for civil eng administration Section LG: Pipe jacking	gineering construction and contract documents Part 5: Contract
Ed 1.00 A4 3p EN Loose-leaf PDF 3p EN	Gr 3 23.040.01: 93.020
Pipe jacking	
SANS 10120-5 M:1996 (2002-07-30) (SABS 0120-5 M)	
Code of practice for use with standardized specifications for civil eng	ineering construction and contract documents Part 5: Contract
Ed 1.00 A4 1p EN Loose-leaf PDF 1p EN	Gr 2 93.080.10
Subbase	
SANS 10120-5 ME:1981 (2002-07-30) (SABS 0120-5 ME)	
Code of practice for use with standardized specifications for civil engadministration Section ME: Subbase	ineering construction and contract documents Part 5: Contract
Ed 1.00 A4 1p EN Loose-leaf PDF 1p EN	Gr 2 93.080.10
Subbase	
SANS 10120-5 MF:1981 (2002-07-30) (SABS 0120-5 MF)	
Code of practice for use with standardized specifications for civil eng	ineering construction and contract documents Part 5: Contract
Ed 1.00 A4 30 EN Loose-leaf	Gr 3
PDF 3p EN	93.080.10
Dase	
SANS 10120-5 MFL:1996 (2002-07-30) (SABS 0120-5 MFL)	
Code of practice for use with standardized specifications for civil eng administration Section MEL: Base (light payement structures)	ineering construction and contract documents Part 5: Contract
Ed 1.00 A4 11p EN Loose-leaf	Gr 5
PDF 11p EN	93.080.20
Base (light pavement structures)	
SANS 10120-5 MG:1996 (2002-07-30) (SABS 0120-5 MG)	
Code of practice for use with standardized specifications for civil engadministration Section MG: Bituminous surface treatment	jineering construction and contract documents Part 5: Contract
Ed 2.00 A4 14p EN Loose-leaf PDF 14p EN	Gr 5 93.080.20
Bituminous surface treatment	
SANS 10120-5 MH:1996 (2002-07-30) (SABS 0120-5 MH)	
Code of practice for use with standardized specifications for civil eng	ineering construction and contract documents Part 5: Contract
Ed 2.00 A4 11p EN Loose-leaf	Gr 5
PDF 11p EN Asphalt base and surfacing	91.100.50; 93.080.20

SANS 10120- (SABS 0120- Code of prac	5 MJ:1984 (2002-07-30) 5 MJ) stice for use with standar	dized specifications for civil engir	neering construction and contract documents Part 5: Contract
	On Section Mo. Segmente	a paving	Gr a
PDI	F 2p EN		93.080.20
Segmented p	aving		
SANS 10120- (SABS 0120-	-5 MK:1983 (2002-07-30) 5 MK)		
Code of prace administration	tice for use with standar	dized specifications for civil engir and channelling	neering construction and contract documents Part 5: Contract
Ed 1.00 A4 PDI	1p EN Loose-leaf F 1p EN	-	Gr 2 93.080.10
Kerbing and o	channelling		
SANS 10120- (SABS 0120-	-5 MM:1984 (2002-07-30) 5 MM)		
Code of prace	tice for use with standar on Section MM: Ancillary	dized specifications for civil engir roadworks	neering construction and contract documents Part 5: Contract
Ed 1.00 A4 PDI	1p EN Loose-leaf F 1p EN		Gr 2 93.080.10
Ancillary road	lworks		
SANS 10120	-5 NB:1981 (2002-07-30)		
Code of prac administratio	tice for use with standar on Section NB: Railway s	dized specifications for civil engir idings (trackwork)	neering construction and contract documents Part 5: Contract
Ed 1.00 A4	4p EN Loose-leaf		Gr 3
PDI	F 4p EN		93.100
Railway siding	gs (trackwork)		
SANS 10123 (SABS 0123)	:2011		
The control of	of undesirable static elec	tricity	
Ed 1.02 A4	63p EN	-	Gr 13
PDI	F 63p EN		29.020
Covers recompresent hazar	nmendations for controlling rds or inconvenience.	static electricity that is generated in	cidentially during various processes and operations and that may
Am 1(Nation	al), 2001-11-30	Am 2(National), 2011-11-04	
SANS 10124 (SABS 0124)	:2006 ion of acil incontinidae fo	when everytantian of buildings	
		or the protection of buildings	0.0
PDI	ZZP EN F 22p EN		65.100.10: 91.120.99
Gives guidant to building sit ground) agair	ce on the precautions to be es to protect buildings that ist subterranean wood-des a). 2006-04-21	e taken when soil insecticides are ha are to be erected on the sites and to troying termites, and describes the a	ndled, gives directives for the effective application of soil insecticides existing buildings (other than wooden structures in contact with the action to be taken in the event of contamination or poisoning.
SANS 10125	.2011		
(SABS 0125)			
The installat	ion of flexible membrane	linings in earth embankment rese	ervoirs
Ed 1.03 A4 PDI	10p EN F 10p EN		Gr 5 93.020
Gives genera thermoplastic	l guidance on the design, o s and polyethylene for earl	construction, laying and protection of th embankment reservoirs that are us	flexible membrane linings of butyl rubber, chloroprene rubber, sed to contain water (potable, industrial, agricultural or polluted).
Am 1(Nation	al), 1980-11-01	Am 2(National), 2009-01-23	Am 3(National), 2011-11-11

SANS 10129:2011		
(SABS 0129)		
Figure 2 Ad 14p EN	nes	Gr 6
PDF 14p EN		23.040.10: 25.220.60
Covers the corrosion protection of steel an over-the-trench position, cleaning of wrapping in the factory or yard.	pipelines of internal diameter at least 150 the pipelines prior to wrapping, and testing	mm, by the application of helically wound tape to the pipelines in and repairing of the wrapped pipelines. Does not include pipe
Am 1(National), 2006-03-03	Am 2(National), 2011-07-29	
SANS 10131:2004		
Above-ground storage tanks for petro	bleum products	Cr 14
PDF 80p EN		23.020.10: 75.200
Covers the above-ground storage and h (two hundred cubic metres). Specifies th (85 cubic metres).	andling of petroleum products at consume ne design, manufacture and construction o	r installations with a total storage capacity not exceeding 200 m3 f above-ground storage tanks not exceeding a capacity of 85 m3
SANS 10132:2009 (SABS 0132)		
The installation and operation of refr	igerated milk tanks	
Ed 2.02 A4 16p EN		Gr 7
PDF 16p EN		23.020.10; 27.200; 65.040.10
Gives recommendations for the safe an cooling and the storing of milk in bulk at	d acceptable installation, operation, and se atmospheric pressure. Covers properties	ervicing of refrigerated milk tanks as used on farms for the of the equipment and materials used in the installation.
Am I(National), 1996-11-18	Am 2(National), 2009-03-20	
SANS 10133:2011 (SABS 0133)		
Ed 2.00 A4.27p EN	handling, food-processing and catering	Cr 10
PDF 37p EN		65 100 01: 67 020
Covers methods for the safe application by registered pest control operators.	of pesticides registered as suitable for use	e in food-handling, food-processing and catering establishments
SANS 10134:2008 (SABS 0134)		
The safeness of private swimming po	ools	
Ed 1.02 A4 11p EN		Gr 5
PDF 11p EN		97.220.10
Lays down responsibilities, principles, m on private premises, and makes recomm from gaining access to a swimming poor Am 1(National), 1995-06-01	nethods, and planning techniques for the pr mendations for the design and installation of I. Safety measures such as life-jackets for Am 2(National), 2008-01-25	rotection of children from the hazards of swimming pools situated of typical protective devices that are intended to prevent a child keeping children afloat are not covered by this code.
SANS 10136:2011		
(SABS 0136)		
The cleaning and disinfecting of dair	y equipment and soft-serve dispensing	units
Ed 2.02 A4 49p EN PDF 49p EN		Gr 11
Covers provisions and recommendation manufacture of milk products, and of so	s for the cleaning and disinfecting of dairy ft-serve dispensing units.	equipment used in the production of milk and the processing and
Am 1(National), 2007-10-05	Am 2(National), 2011-09-30	
SANS 10137:2011		
(SABS 0137)	-	
	js	Gr 15
PDF 104p EN		81.040.20; 91.060.01
Covers the design and installation of gla use by a competent person (glazing).	azing and glazing materials used in building	and is for applications described in SANS 10400-N, and for

SANS 10139:2012 (SABS 0139)		
Fire detection and alarm systems for	buildings - System design, installa	tion and servicing
Ed 3.02 A4 154p EN PDF 154p EN		Gr 18 13.220.20
BS 5839-1:2002, MOD		
Provides recommendations for the plann around buildings, other than dwellings.	ing, design, installation, commission	ing and maintenance of fire detection and fire alarm systems in and
Am 1(National), 2007-02-09	Am 2(National), 2012-09-28	
SANS 10140-1:2008 (SABS 0140-1)		
Identification colour marking Part 1: 0	General	
Ed 2.01 A4 7p EN		Gr 5
PDF 7p EN		01.070; 13.100
Covers the recommended type and size Am 1(National) , 2008-03-28	of characters used in conjunction wi	th colour markings, and the types of safety sign that may be used.
SANS 10140-2:2008		
Identification colour marking Part 2: I	dentification of hazards and equip	ment in work situations
Ed 2.03 A4 16p EN		Gr 7
PDF 16p EN		01.070; 13.100
Covers recommendations for the identified	cation of hazards and equipment in v	vork situations.
Err 1(National), 1978-03-01 Am 3(National), 2008-03-28	Am 1(National), 1982-05-01	Am 2(National), 1994-02-01
SANS 10140-3:2003		
(SABS 0140-3)		
Identification colour markings Part 3:	Contents of pipelines	
Ed 3.00 A4 12p EN		Gr 6
		01.070; 13.100; 23.040.01
Establishes a system for the marking of markings of pipelines that convey gases	pipelines that convey gases and liqu and vacuum for medical purposes.	ids in industrial and non-industrial applications. Does not cover the
SANS 10140-4:2006 (SABS 0140-4)		
Identification colour marking Part 4: 0	Contents of taps and valves in labo	pratories
Ed 1.02 A4 8p EN		Gr 5
PDF 8p EN		01.070; 13.100; 23.060.01; 71.040.10
Covers recommendations for the identified and valves whose operating member is a	cation of the contents of taps and va a handwheel of the capstan or serrat	lves in laboratories of all types. Covers only the identification of taps ed type.
Am 1(National), 1994-02-01	Am 2(National), 2006-05-05	
SANS 10140-5:2010 (SABS 0140-5)		
Identification colour marking Part 5: 0	Coding of containers for carrying l	ubricants and associated fluids
Ed 2.04 A4 22p EN		Gr 8
PDF 22p EN		01.070; 13.100; 75.100
Establishes a system for the use of nom kg. 50 kg and 180 kg of grease and asso	enclature, symbols and colours to id	entify the contents of containers for carrying 20 L and 210 L of oil, 15 $$
Am 1(National), 1993-02-25 Am 4(National), 2010-08-20	Am 2(National), 2007-09-14	Am 3(National), 2010-02-19
SANS 10141:2011 (SABS 0141)		
The processing, testing and storage of	of silver-gelatin microfilm for archi	val purposes
Ed 4.00 A4 24p EN		Gr 9
PDF 24p EN		37.080
Covers the processing, testing and stora unmounted (as relevant), and without dir	ge of first-generation microcopies or nensional limitations) for the long-ter	n silver-gelatin type film (in roll, strip, sheet or card form, mounted or m preservation of records.

SANS 10142-1:2012 (SABS 0142-1) The wiring of premises Part 1: Low-vc	altage installations	
Ed 1.09 A5 2025 EN	Jiage installations	Cr 99
PDF 393p EN		91 140 50
Applies to electrical installations of resid surface installations on mining properties similar sites, marinas, pleasure craft and lighting installations, electrical installation environmental protection for telecommun V d.c.	ential premises, commercial premises, pu s, construction and demolition site installa d house boats, medical locations, exhibitions for street lighting and street furniture, a nication equipment). Covers circuits supp	ublic premises, industrial premises, prefabricated buildings, fixed tions, agricultural and horticultural premises, caravan sites and ons, fairs and other temporary installations, extra low voltage and equipment enclosures (structures that provide physical and lied at nominal voltages up to and including 1 000 V a.c. or 1 500
Am 1(National), 2003-01-31	Err 1(National), 2003-02-21	Cor 1(National), 2003-03-14
Am 2(National), 2003-08-29 Am 5(National), 2006-05-12 Am 8(National), 2012-03-30	Am 3(National), 2003-12-18 Am 6(National), 2008-09-19	Am 4(National), 2005-04-22 Am 7(National), 2009-11-06
SANS 10142-2:2009		
The wiring of premises Part 2: Mediur kW installed capacity	m-voltage installations above 1 kV a.c.	not exceeding 22 kV a.c. and up to and including 3 000
Ed 1.00 A4 47p EN		Gr 11
PDF 4/p EN		91.140.50
Covers requirements for the design, erec between the point of control and the point 3 000 kW installed capacity, so as to pro-	ction and modification of specific, fixed, m nt of consumption, with nominal voltages a ovide safe and proper functioning for the u	edium-voltage electrical installations in distribution systems above 1 kV a.c. not exceeding 22 kV a.c. and up to and including ise intended.
SANS 10143:1980 (2000-12-13) (SABS 0143)		
Building drawing practice		
Ed 1.00 A4 75p EN Loose-leaf		Gr 14
PDF 75p EN		01.100.30
Covers information required for the prod Am 1(National), 1994-03-01	uction of drawings related to buildings and	d their services.
SANS 10144:2012		
(SABS 0144)	noroto	
Ed 3.00 A4 151n EN		Gr 17
PDF 151p EN		01,100,30: 91,080,40
Recommends methods for detailing stee	l reinforcement for concrete and is applic	able to most reinforced concrete
SANS 10145:2011 (SABS 0145)		
Concrete masonry construction		
Ed 1.03 A4 31p EN		Gr 10
PDF 31p EN		91.080.30; 91.100.30
Covers the construction of walls with pre Am 1(National), 1994-09-19	ecast concrete masonry units Am 2(National), 2000-02-18	Am 3(National), 2011-10-28
SANS 10146:2012 (SABS 0146)		
Laundry processes and management		
Ed 3.02 A4 55p EN		Gr 12
PDF 55p EN		03.080.30
Specifies the minimum provisions for the are acceptable to the customer and mee	e safe and effective management of comr et statutory requirements.	nercial and institutional laundries to achieve levels of quality that
Am 1(National), 2010-10-22	Am 2(National), 2012-02-03	
SANS 10147:2009 (SABS 0147)		
Refrigerating systems including plant	s associated with air-conditioning sys	tems
Ed 4.01 A4 73p EN	5-7-	Gr 13
PDF 73p EN		27.200; 91.140.30
Gives guidance on the general aspects of	of safety construction erection operation	inspection and testing of refrigeration plants, other than any

Gives guidance on the general aspects of safety, construction, erection, operation, inspection and testing of refrigeration plants, other than, any household refrigerator, water cooler or similar equipment that contains less than 1 kg of refrigerant, unit-type display counter or any commercial refrigerator that contains less than 15 kg of a group 1 refrigerant, and refrigeration plant that requires a prime mover of 10 kW or less. Am 1(National), 2009-03-20

SANS 10148:2003 (2009-02-20) (SABS 0148)		
Ed 1.01 A4.13p EN	e cranes and aerial rope-ways	Gr 6
PDF 13p EN		53.020.20
Specifies the general safety aspects, co Am 1(National), 2003-12-18	nstruction, erection, operation and testir	ng of cable cranes and aerial rope-ways.
SANS 10149:2011 (SABS 0149)		
The mechanical stress grading of tim	ber (flexural method)	
Ed 1.04 A4 12p EN PDF 12p FN		Gr 6
Covers the mechanical stress grading h	by the determination of stiffness in hendi	79.040
trees of the genus Pinus grown in South	ern Africa.	
Am 1(National), 1997-04-14 Am 4(National), 2011-02-11	Am 2(National), 2002-07-05	Am 3(National), 2008-05-09
SANS 10153:2006 The labelling and marking of textiles a	and household textile articles	
Ed 1.00 A4 11p EN		Gr 6
PDF TIP EN		59.080.01
Makes recommendations for direct mark manufacture. Includes recommendations identification, inspection, invoicing, stock control during the cut, make and trim of	king on textile piece-goods of information s for the labelling of each piece of textile < control, and any further process control apparel. Also makes recommendations	In that facilitates their correct invoicing and use subsequent to their fabric and for the marking of bulk containers in order to facilitate of during the subsequent manufacture of textile articles, for example for the labelling and marking of household textile articles.
SANS 10154-1:2012 (SABS 0154-1)		
Calibration of pure-tone audiometers	Part 1: Air conduction	
Ed 1.03 A4 19p EN PDF 19p EN		Gr 8
Covers the method for the on-site verific Am 1(National). 2000-06-23	ation of all types of pure-tone air conduct Am 2(National). 2004-09-03	ction audiometers. Am 3(National). 2012-02-24
SANS 10154-2:2012		
(SABS 0154-2)		
Calibration of pure-tone audiometers	Part 2: Bone conduction	
Ed 1.03 A4 11p EN		Gr 6
		17.140.99
Covers the method for the on-site verific Am 1(National), 2000-06-23	ation of bone conduction of the audiome Am 2(National), 2004-09-03	Am 3(National), 2012-03-02
SANS 10155:2009 (SABS 0155)		
Accuracy in buildings		0. 10
PDF 36p EN		Gr 10 91.010.30: 91.080.01
Covers the method of measurement and Am 1(National), 1994-06-01	accuracy of dimensions required for the Am 2(National), 2009-08-28	e setting out of structures and for completed building work.
SANS 10156:2007		
(SABS 0156)		
The handling of chilled and frozen for	ods	
Ed 1.01 A4 43p EN		Gr 11
		67.020
and catering establishments. Am 1(National), 2007-08-17	enic manufacture, storage and transport	aliori oi chilied and trozen toods, also the hygienic handling in retail

SANS 10160-1:2011

Basis of structural design and actions for buildings and industrial structures Part 1: Basis of structural design

Ed 1.01 A4 83p EN PDF 83p FN

Covers the basis of design and the actions on building structures industrial structures utilizing structural systems similar to those of building structures. Applicable for the structural appraisal of existing structures, for developing the design of repairs and alterations or for assessing changes of use.

Am 1(National), 2011-10-21

SANS 10160-2:2011

Basis of structural design and actions for buildings and industrial structures Part 2: Self-weight and imposed loads

Ed 1.01 A4 34p EN PDF 34p EN

Covers the design guidance and actions for the structural design of buildings including densities of construction materials and stored materials selfweight of construction works and imposed loads for buildings. Am 1(National), 2011-10-21

SANS 10160-3:2011

Basis of structural design and actions for buildings and i	industrial structures Part 3: Wind actions
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Ed	1.01	A4 92p EN
		PDF 92n FN

Gives guidance on the determination of natural wind actions for the structural design of buildings and industrial structures including the entire structure, part of the structure, or elements attached to the structure. Am 1(National), 2011-10-21

SANS 10160-4:2011

Basis of structural design and actions for buildings and industrial structures Part 4: Seismic actions and general requirements for buildings

Ed 1.01 A4 50p EN PDF 50p EN

Provides strategies and rules for the design of buildings subject to earthquake actions primarily to safeguard against major catastrophic structural failures and loss of life, not to prevent damage or to maintain function. Defines the seismic zones for which structures shall be designed and constructed to resist the effects of seismic ground motions.

Am 1(National), 2011-10-21

SANS 10160-5:2011

Basis of structural design and actions for buildings and industrial structures Part 5: Basis for geotechnical design and actions

Ed 1.01 A4 40p EN PDF 40p EN

Falls within the general scope of application as given in SANS 10160-1. Sets out the basis for geotechnical design and gives guidance on the determination of geotechnical actions on buildings and industrial structures including vertical earth loading, earth pressure, ground water and free water pressure, and actions caused by ground movement. Gives procedures for determining representative values for geotechnical actions. Does not cover the design of geotechnical structures such as slopes, embankments or free-standing retaining structures. Am 1(National), 2011-10-21

SANS 10160-6:2011

Basis of structural design and actions for buildings and industrial structures Part 6: Actions induced by cranes and machinery Gr 11

Ed 1.01 A4 44p EN PDF 44p EN

Falls within the general scope of application as given in SANS 10160-1. Specifies imposed loads associated with overhead travelling bridge cranes on runway beams at the same level, as well as the actions induced by stationary machinery. Am 1(National), 2011-10-21

SANS 10160-7:2011

Basis of structural design and actions for buildings and industrial structures Part 7: Thermal actions

Ed 1.01 A4 18p EN PDF 18p FN

Falls within the general scope of application as given in SANS 10160-1. Gives principles and rules for determining thermal actions on buildings and industrial structures including their structural elements as well as principles needed for determining thermal actions for cladding and other appendages of buildings. Describes the changes in the temperature of structural elements. Does not define actions due to other sources of expansion or contraction of materials, for example, due to changes in moisture content in masonry or timber or structural components and machinery adjacent to furnace tapping facilities.

Am 1(National), 2011-10-21

Gr 10

91.010.30; 91.080.01

Gr 14

91.010.30; 91.080.01

91.010.30; 91.080.01

91.010.30; 91.080.01; 91.080.10; 91.120.25

Gr 7 91.010.30; 91.120.25; 93.020

Gr 11

Gr 10

91 010 30 91 080 01

Gr 14 91.010.30; 91.080.01

SANS 10160-8:2011 Basis of structural design and actions for buildings and industrial structures Part 8: Actions during execution Ed 1.01 A4 22p EN Gr 8 PDF 22p FN 91.010.30; 91.080.01; 91.120.25 Falls within the general scope of application as given in SANS 10160-1. Provides principles and general rules for the determination of actions to be taken into account during the execution of buildings and industrial structures. May be used as guidance for the determination of actions to be taken into account for different types of construction works, including structural alterations such as refurbishment and partial or full demolition. Gives rules for the determination of actions to be used for the design of auxiliary construction works needed for the execution of buildings and industrial structures. Does not cover design rules for auxiliary construction works and the safety of people in and around the construction site. Am 1(National), 2011-10-21 SANS 10161:1980 (SABS 0161) The design of foundations for buildings Ed 1.00 A4 96p EN Loose-leaf Gr 13 PDF 96p EN 91.080.40; 93.020 Covers the design of foundations for buildings but excludes engineering structures such as reservoirs, water towers, petrol and other fuel tanks, etc. Contains recommendations with regard to site investigations and inspections, materials, design considerations, earthworks and excavations, and foundation types. Am 1(National), 1984-11-01 Am 2(National), 1985-05-01 Am 3(National), 1986-03-01 SANS 10162-1:2011 (SABS 0162-1) The structural use of steel Part 1: Limit-states design of hot-rolled steelwork Ed 2.01 A4 106p EN Gr 15 PDF 106p EN 77.140.01: 91.080.10 Provides rules and requirements for the design, fabrication and erection of steel structures. Am 1(National), 2011-05-13 SANS 10162-2:2011 (SABS 0162-2) The structural use of steel Part 2: Cold-formed steel structures Ed 2.00 A4 153p EN Gr 18 PDF 153p EN 77.140.01; 91.080.10 AS/NZS 4600:2005, MOD Sets out minimum requirements for the design of structural members cold-formed to shape from carbon or low-alloy steel sheet, strip, plate or bar not more than 25 mm in thickness and used for load-carrying purposes in buildings. Applicable for structures other than buildings provided appropriate allowances are made for dynamic effects. SANS 10162-4:1997 (SABS 0162-4) Structural use of steel Part 4: The design of cold-formed stainless steel structural members Ed 1.00 A4 75p EN Loose-leaf Gr 14 PDF 75p EN 77.140.20; 91.080.10 Applies to the design, based on limit-states, of structural members cold-formed to shape from AISI type stainless steels and type 3CR12 corrosionresistant steel sheet, strip or plate up to 25 mm in thickness and intended for load-carrying purposes in buildings. SANS 10163-1:2003 (SABS 0163-1) The structural use of timber Part 1: Limit-states design Ed 2.03 A4 94p EN Gr 14 PDF 94p EN 79.040: 91.080.20 Gives guidance on the design, fabrication and erection of timber structures (and structural timber components in structures framed in other materials) where the design is based on limit states. Applicable, with some exceptions, to structural timber in buildings and other stationary structures Am 1(National), 1997-01-13 Am 2(National), 2001-05-25 Am 3(National), 2003-12-18 SANS 10163-2:2001 (SABS 0163-2) The structural use of timber Part 2: Allowable stress design Ed 1.01 A4 126p EN Loose-leaf Gr 16 PDF 126p EN 79.040; 91.080.20 Gives guidance on structural design based on the allowable stresses of timber and on the evaluation of timber members and structures. Am 1(National), 2001-09-07

SANS 10164-1:1980 (2000-12-13) (SABS 0164-1) The structural use of masonry Part 1:	Unreinforced masonry walling	
Ed 1.00 A4 89p EN		Gr 14
PDF 89p EN		91.060.10; 91.080.30
Covers requirements and recommendat earthquakes may be encountered. Required considerations are given. Appendices con Am 1(National), 1986-06-01	ions for the design of unreinforced load-bea irements are given for the selection of mate ontain information on tests methods. Am 2(National), 1987-06-01	ring masonry walling erected in areas other than those where rials. Covers the general basis of design. Detailed design Cor 1(National), 1999-08-23
SANS 10164-2:2008 (SABS 0164-2)		
The structural use of masonry Part 2:	Structural design and requirements for I	reinforced and prestressed masonry
Ed 1.02 A4 71p EN		Gr 13
PDF 71p EN		91.080.30
Establishes general principles for the str Am 1(National), 2003-09-12	ructural design of reinforced and prestressed Am 2(National), 2008-07-11	d masonry.
SANS 10166:2009 (SABS 0166)		
The overhaul of diesel fuel injection e	equipment	
Ed 1.02 A4 23p EN		Gr 9
PDF 23p EN		43.060.40
Covers the provisions for the equipment diesel fuel injection equipment for engin Am 1(National), 1991-05-01	, premises and procedures used, and for the es that require fuel delivery, at full load, of u Am 2(National), 2009-12-11	e staff engaged in the overhaul of diesel fuel injectors and p to 300 mm3 per injection per cylinder.
SANS 10167:2004 (2011-02-18) (SABS 0167)		
The quality evaluation of fusion weld	ed joints in steel structures	
Ed 1.01 A4 20p EN		Gr 8
PDF 20p EN		25.160.40
Covers the nature and extent of defects subject to predominantly static loading. Am 1(National), 2004-06-11	(acceptable and unacceptable) in joints pre	pared for welding, and in welds in steel structures that are
SANS 10168:2002		
The installation of restraining devices restraint systems of motor vehicles',	s (safety belts) in motor vehicles (Incorpo and the amending EEC Directives 81/576	prating part of EEC Directive 77/541 'Safety belts and and 82/319, with modifications)
Ed 1.01 A4 11p EN	5	Gr 7
PDF 11p EN		43.040.80
77/541/EEC:1977, MOD; 81/576/EEC:1 Applies to the installation of restraint sys vehicles. Am 1(National), 2002-03-15	981, MOD; 82/319/EEC:1982, MOD stems (safety belts) intended for use by pers	sons of adult build occupying forward-facing seats in motor
CANC 10100-0004		
(SABS 0169) Determining the performance of audi	hle warning devices (hooters) after instal	lation in a motor vehicle
Ed 1 01 A4 7p EN		Gr 5
PDF 7p EN		43.040.20
Covers the measurement of the sound I category L. Am 1(National), 2004-09-03	evel of audible warning devices after these h	nave been installed in motor vehicles of categories other than
SANS 10170:2004 (2010-02-05) (SABS 0170)		
The cleaning and maintenance of floo	ors	
Ed 1.02 A4 42p EN		Gr 10
PUF 42p EN		03.080.10; 91.060.30
Covers procedures for the cleaning and Lists fundamental information for mainter	maintenance of resilient, wooden and hard enance personnel.	floors in domestic, commercial and industrial establishments.
Am (National), 1303-02-01	$\pi_{11} \simeq (11a(1011a)), \simeq 004-07-10$	

SANS 10173:2003 (2011-02-11)	
(SABS 0173)	
Find a condition of the stand balancing of air-conditioning ductwork	Gr 9
PDF 24p EN	91.140.30
Gives provisions and recommendations for the installation, testing and balancing or conditioning purposes.	f high, low and medium pressure systems of ductwork for air-
SANS 10177-1:2005 (2012-12-14) (SABS 0177-1)	
Fire testing of materials, components and elements used in buildings Part 1:	General introduction to the methods of test
Ed 1.01 A4 27p EN PDE 27p EN	Gr 9
Covers the general introduction to and information and explanatory notes in respec	t of the test methods detailed in SANS 10177-2 to SANS 10177-
/. Am 1(National), 2005-09-23	
SANS 10177-2:2005 (2012-12-14)	
Fire testing of materials, components and elements used in buildings Part 2:	Fire resistance test for building elements
Ed 1.01 A4 11p EN PDF 11p EN	Gr 6 13.220.50
Covers the method of test used to determine the fire resistance of specific element test specimen of specified dimensions will satisfy the criteria in respect of stability, Am 1(National), 2005-09-23	ts on the basis of the length of time within which a representative integrity, and insulation.
SANS 10177-3-2005 (2012-12-14)	
(SABS 0177-3)	
Fire-testing of materials, components and elements used in buildings Part 3:	Surface fire index of finishing materials
Ed 1.02 A4 11p EN PDF 11p EN	Gr 6
Covers the method of test used to determine the surface fire index (based on the e contributed by the material) of finishing materials fixed to vertical and overhead hor and comparing those properties of materials that will determine the behaviour of the Am 1(National), 1986-03-01 Am 2(National), 2005-09-23	extent of surface spread of flame, smoke produced, and the heat rizontal surfaces in buildings. Provides a means of assessing e materials in fire.
SANS 10177-4:2005 (2013-01-25)	
Fire testing of materials, components and elements used in buildings Part 4:	Surface fire index of floor coverings
Ed 1.03 A4 9p EN	Gr 5
PDF 9p EN	13.220.50
Covers the method of test used to determine the surface fire index (based on the e contributed by the material) of floor coverings. Applicable to all types of combustibl Am 1(National), 1986-03-01 Am 2(National), 1999-08-27	extent of spread of flame, the smoke density, and the heat le floor coverings that are used as a floor finish. Am 3(National), 2005-09-23
SANS 10177-5:2012	
Fire testing of materials, components and elements used in buildings Part 5:	Non-combustibility at 750 °C of building materials
Ed 2.00 A4 9p EN PDF 9p EN	Gr 5 13.220.50
Specifies the method of test used to determine the non-combustibility at 750 °C of electrical components and cables used in buildings.	homogeneous and non-homogeneous building materials except
SANS 10177-6:2005 (2011-06-24)	
Fire testing of materials, components and elements used in buildings Part 6:	Non-combustibility at 300 °C of electrical insulation
materials	
PDF 9p EN	13.220.50
Covers the determination of the non-combustibility properties of rigid or semi-rigid appliances. Does not cover materials used for the insulation of cables and similar f Am 1(National), 2005-09-23	electrical insulation materials used in electrical equipment and lexible electrical conductors.

SANS 10177-7:2005 (2011-07-08) (SABS 0177-7) Fire testing of materials, components and elements used in buildings Part 7: Fire test for fire-check properties of building elements Ed 1.01 A4 9p EN Gr 5 PDF 9p EN 13.220.50 Covers the method of test used to determine the fire-check properties of building elements of various categories. Applicable to external cladding, fire-check glazing assembly and ceiling system. Am 1(National), 2005-09-23 SANS 10177-8:2006 (2012-12-14) Fire testing of materials, components and elements used in buildings Part 8: Surface burning characteristics of building materials Ed 1.00 A4 30p EN Gr 9 PDF 30p EN 13.220.50 Describes a method for assessing the response of building materials to heat under controlled conditions. SANS 10177-9:2006 (2012-12-14) Fire testing of materials, components and elements used in buildings Part 9: Small-scale burning characteristics of building materials: ignition, flame spread and heat contribution Ed 1.00 A4 9p EN Gr 5 PDF 9p EN 13.220.50 Covers the method of test used to determine the basic fire properties of insulation materials, components and elements used for roofs, ceilings and as side cladding (the ease of ignition, the extent of flame spread and heat contribution by the respective material) when exposed to a small ignition source under controlled conditions. It is also used to evaluate materials for their intended applications. SANS 10177-10:2007 (2009-08-07) Fire testing of materials, components and elements used in buildings Part 10: Surface burning characteristics of building materials using the inverted channel tunnel test Ed 1.01 A4 10p EN Gr 5 PDF 10p EN 13.220.50 Am 1(National), 2007-06-29 SANS 10177-11:2007 (2009-08-07) Fire testing of materials, components and elements used in buildings Part 11: Large-scale fire performance evaluation of building envelope thermal insulation systems (with or without sprinklers) Ed 1.01 A4 11p EN Gr 6 PDF 11p EN 13.220.50 Am 1(National), 2007-06-29 SANS 10181:2003 (2008-04-04) (SABS 0181) The measurement of noise emitted by road vehicles when stationary Ed 1.06 A4 8p EN Gr 5 PDF 8p EN 17.140.30; 43.020 Covers the measurement, at a readily available site, of noise produced by road vehicles when stationary, as a check on vehicles in service. Am 1(National), 1990-05-01 Am 2(National), 1990-05-01 Am 3(National), 1991-05-01 Am 4(National), 1992-02-01 Am 5(National), 1994-05-01 Am 6(National), 2003-11-07 SANS 10182:2006 (2012-08-03) (SABS 0182) The measurement and assessment of acoustic environments for audiometric tests Ed 2.02 A4 21p EN Gr 8 PDF 21p EN 13.140; 17.140.01 Covers procedures for verifying the suitability of an acoustic environment for audiometric tests. Am 1(National), 2004-11-25 Am 2(National), 2006-11-03 SANS 10183:2000 (SABS 0183) The terminology and classification of adhesives for wood Ed 1.01 A4 15p EN Gr 8 PDF 15p EN 01.040.83; 79.020; 83.180 Covers the definitions of terms relating to adhesives for wood and the classification of such adhesives according to their inherent properties.

Am 1(National), 2000-08-25

SANS 10183-1:2011 Adhesives for wood Part 1: Terminology

Ed 1.01 A4 18p EN PDF 18p EN

Covers the definition of terms relating to adhesives for wood. Am 1(National), 2011-12-01

SANS 10183-2:2009

Adhesives for wood Part 2: Requirements for structural applications

Ed 1.00 A4 9p EN PDF 9p EN

Specifies requirements for adhesives to be used in load-bearing structures.

SANS 10183-3-1:2009 / EN 204:2001

Adhesives for wood Part 3-1: Non-structural applications - Classification of thermoplastic wood adhesives for non-structural applications

Ed 1.00 A4 9p EN PDF 9p EN

Classifies thermoplastic resin based wood adhesives for non-structural applications classified into durability classes D1 to D4 based on the dry and wet strengths of bond-lines measured under specified conditions after various conditioning treatments.

SANS 10183-3-2:2009 / EN 205:2003

Adhesives for wood Part 3-2: Non-structural applications - Determination of tensile shear strength of lap joints Gr 7

Ed	1.00	A4 14p EN	
		PDF 14p EN	

Describes tests for adhesives for wood and derived timber products for the assessment of their resistance to hot and cold water. Can be used for the assessment of the strength of bonds with a thin or thick bond-line. Does not apply to adhesives for structural use or to the manufacture of particle boards, fibreboards and plywood. Does not replace tests on finished products.

SANS 10183-3-3:2009 / EN 12765:2001

Adhesives for wood Part 3-3: Non-structural applications - Classification of thermosetting wood adhesives for non-structural applications

Ed 1.00	A4 9p EN	Gr 6
	PDF 9p EN	79.020; 83.180

Classifies thermosetting resin based wood adhesives for non-structural applications into durability classes C1 to C4 based on the dry and wet strengths of bond-lines measured under specified conditions after various conditioning treatments. Describes adhesives that are suitable for the bonding of furniture and interior structures, panelling, doors, windows, stairs etc made of wood or derived timber products.

SANS 10183-4-1:2009 / EN 302-1:2004

Adhesives for wood Part 4-1: Test methods - Determination of bond strength in longitudinal tensile shear strength

Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	79.020; 83.180

Specifies a method of determining the shear strength of adhesive bonds. Is applicable to adhesives used in load-bearing timber structures. Not intended for use to provide numerical design data, nor is it applicable to the assessment of adhesives for the manufacture of wood-based panels.

SANS 10183-4-2:2009 / EN 302-2:2004

Adhesives for wood Part 4-2: Test methods - Determination of resistance to delamination

Ed 1.00	A4 12p EN	Gr 7
	PDF 12p EN	79.020; 83.180

Specifies a method for determining the resistance to delamination of bonded joints. Suitable for assessing the compliance of adhesives with EN 301, assessing the suitability and guality of adhesives for load-bearing timber structures, and comparing the effects on the bond strength resulting from the choice of bonding conditions, from different climatic conditioning and from the treatment of the test pieces before and after bonding. Is intended primarily to obtain performance data for the classification of adhesives for load-bearing timber structures according to their suitability for use in defined climatic environments. Is not intended for use to provide numerical design data and does not necessarily represent the performance of the bonded member in service. Is not intended to be used to assess the suitability of adhesives for the manufacture of wood-based panels.

SANS 10183-4-3:2009 / EN 302-3:2004

Adhesives for wood Part 4-3: Test methods - Determination of the effect of acid damage to wood fibres by temperature and humidity cycling on the transverse tensile strength

Ed 1.00 A4 11p EN	A4 11p EN	Gr 7
	PDF 11p EN	79.020; 83.180

Specifies a method for determining the effect on bond strength of damage to wood fibres caused by the action of acids from the adhesive during climatic cycling. Is suitable for assessing the compliance of adhesives with EN 301, assessing the suitability and quality of adhesives for loadbearing timber structures, and determining if the adhesive after bonding has a damaging influence on the strength of the wood due to chemical action. Is intended primarily to obtain performance data for the classification of adhesives for load-bearing timber structures according to their suitability for use in defined climatic environments. Intended for use to provide numerical design data and does not necessarily represent the perfomance of the bonded member in service. Is not intended to be used to assess the suitability of adhesives for the manufacture of wood-based panels.

01.040.83; 79.020; 83.180

01.040.83; 79.020; 83.180

Gr 7

Gr 5

79.020: 83.180

Gr 6

79.020; 83.180

SANS 10183-4-4:2009 / EN 302-4:2004

Adhesives for wood Part 4-4: Test methods - Determination of the effects of wood shrinkage on the shear strength

Ed 1.00 A4 16p EN

PDF 16p EN

Gr 8 79.020; 83.180

Specifies a method for determining the extent to which wood shrinkage under drying conditions will weaken an adhesive bond. Is suitable for assessing the compliance of adhesives with EN 301, assessing the suitability and quality of adhesives for load-bearing timber structures, and determining if the adhesive is capable of withstanding stresses due to wood shrinkage without unacceptable loss of stength. Is intended primarily to obtain performance data for the classification of adhesives for load-bearing timber structures according to their suitability for use in defined climatic conditions. Is not intended for use to provide numerical design data and does not necessarily represent the performance of the bonded member in service. Is not intended to be used to assess the suitability of adhesives for the manufacture of wood-based panels.

SANS 10183-4-5:2009 / EN 15416-2:2007

Adhesives for wood Part 4-5: Test methods - Static load test of multiple bondline specimens in compression shear

Ed 1.00 A4 14p EN PDF 14p EN Gr 7 79.020; 83.180

Specifies a method of determining the ability of adhesive bonds to resist static load. Is applicable to adhesives used in load bearing timber structures. Is suitable for assessing the compliance of adhesives according to prEN 15425 and assessing the suitability and quality of adhesives for load-bearing timber structures. Is intended primarily to obtain performance data for the classification of adhesives for load bearing timber structures according to their suitability for use in defined climatic environments. Not intended for use to provide numerical design data and does not necessarily represent the performance of the bonded member in service. Is not applicable to assessment of the suitability of adhesives for the manufacture of wood-based panels.

SANS 10183-4-6:2010 / EN 1245:1998

Adhesives for wood Part 4-6: Test methods - Determination of pH

Ed 1.00	A4 8p EN	Gr 6
	PDF 8p EN	79.020; 83.180

Specifies a method for the determination by electrometry of the pH of adhesives, their basic constituents and related products using a pH meter equipped with a glass and silver reference combined electrode. Applicable to products supplied in an aqueous medium, and of known concentration, and to products which can be dissolved, dispersed or suspended in water. Is not applicable to adhesives that react with water.

SANS 10183-4-7:2010 / ASTM D 3535:2007

Adhesives for wood Part 4-7: Test methods -	Resistance to creep under	static loading for structura	al wood laminating adh	esives used
under exterior exposure conditions				
		-		

Ed 1.00	A4 6p EN	Gr 5
	PDF 6p EN	79.020; 83.180

Covers adhesives suitable for the bonding of wood, including treated wood, into structural laminated wood products for general construction, for marine use, or for other uses where a high-strength general construction, creep-resistant, waterproof adhesive bond is required. Does not purport to address all of the safety concerns, if any, associated with its use.

SANS 10184:2008

(SABS 0184)

Definitions for and measurement of body dimensions

Eu 1.01		GIS
	PDF 8p EN	17.040.99; 61.020

Defines body dimensions and provides a standard procedure for measuring the body.

Am 1(National), 2008-07-18

SANS 10186:2010

(SABS 0186) The installation of textile floor coverings Ed 3.03 A4 30p EN Gr 10 PDF 30p EN 59.080.60 Makes recommendations for the istallation of textile floor coverings and for the selection of appropriate materials. Does not include laying of squares, rugs, runners, etc. Am 1(National), 2008-05-23 Am 2(National), 2009-02-13 Am 3(National), 2010-06-25 SANS 10187-1:2009 Load securement on vehicles Part 1: General requirements Ed 1.01 A4 21p EN Gr 8 PDF 21p EN 55.180.99 Specifies the safety problems and basic precautions relating to the securing of load on vehicles. Deals with the strength, selection, and use of securing systems, and gives recommendations for the securement of a variety of the more common types of load. Am 1(National), 2009-06-26 SANS 10187-2:2006

Load securement on vehicles Part 2: General freight			
Ed 1.00	A4 15p EN PDF 15p EN	Gr 7 55.180.99	

Covers the safe securement and loading of general freight on vehicles.

Standards South Africa Catalogue 2013 NUM - 476

SANS 10 Load se	187-3:2006 curement on vehicles Part 3: Metal loads	
Ed 1.00	A4 14p EN PDF 14p EN	Gr 6 55.180.99
Covers the	ne safe securement and loading of metal loads on vehicles.	
SANS 10	1187-4:2006	
		Q. F
Ed 1.00		
Covers th	he safe securement and loading of timber and sugar cane loads on vehic	55.180.99 les.
SANS 10	1187-5-2006	
Load se	curement on vehicles Part 5: Loose bulk loads	
Ed 1 00	A4 5n FN	Gr 4
Lu 1.00	PDF 5p EN	55 180 99
Covers th	ne safe securement and loading on vehicles of loose bulk loads.	
SANS 10	187-6:2006	
Load see	curement on vehicles Part 6: Containers	
Ed 1.00	A4 9p EN	Gr 5
	PDF 9p EN	55.180.99
Covers the	ne safe securement and loading of containers on vehicles.	
SANS 10	187-7:2006	
Load see	curement on vehicles Part 7: Abnormal loads	
Ed 1.00	A4 13p EN PDF 13p EN	Gr 6 55.180.99
Covers the	ne safe securement and loading on vehicles of abnormal loads.	
SANS 10	187-8:2006	
Load se	curement on vehicles Part 8: Dangerous goods	
Ed 1.00		Gr 5
Covers th	r bi / p Liv	55.180.99
CANE 10	197 0.2006	
	Curament on vehicles Part 9: Glass sheeting	
	A4 Co EN	Cr 4
Eu 1.00	PDF 6p EN	GI 4 55 180 99
Covers th	he safe securement and loading of glass sheeting on vehicles.	55.160.99
SANS 10	188:2008 (2013-01-25)	
Standar	h methods of darment measurement	
		Gr 13
Ed 2.01	PDF 62p EN	61.020
Provides standard Am 1(Na	guidelines and illustrations on measuring points in order to determine the that refers to methods used in standards prepared by Standards South <i>A</i> tional), 2008-02-15	e dimensions of different types of garments. It is a bridging Africa.
SANS 10	191:2007 / ISO 3740:2000	

(SABS 0191)

Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards

Ed 2.00 A4 32p EN Gr 11 PDF 32p EN 17.140.01

Provides guidance for the use of a series of nine standards describing various methods for determining the sound power levels from all types of machinery and equipment. It provides brief summaries of these basic standards and guidance on the selection of one or more of these standards which are appropriate to any particular type. The guidance given applies only to airborne sound. It is for use in the preparation of noise test codes and also in noise testing where no specific noise test code exists.

SANS 10196:2007 / ISO 3745:2003	
Acoustics - Determination of sound power levels of noise sources us	sing sound pressure - Precision methods for anechoic and hemi-
anechoic rooms	
Ed 2.00 A4 32p EN PDF 32p EN	Gr 12 17 140 01
Specifies methods for measuring the sound pressure levels on a measure rooms, in order to determine the sound power level or sound energy level environment and instrumentation, as well as techniques for obtaining the energy level is calculated, leading to results which have a grade 1 accurate of all types of noise.	ement surface enveloping a noise source in anechoic and hemi-anechoic produced by the noise source. It gives requirements for the test surface sound pressure level from which the sound power level or sound cy. The methods specified in this standard are suitable for measurements
SANS 10198-1:2004 (2009-05-22) (SABS 0198-1)	
The selection, handling and installation of electric power cables of range of the selection	ating not exceeding 33 kV Part 1: Definitions and statutory
Ed 2.00 A4 9p EN	Gr 5
PDF ⁹ p EN	29.240.20
Covers definitions and statutory requirements pertaining to the installation laying of cables near roads, railways, pipelines, powerlines and other serve	n of electric power cables, and the parties to be consulted regarding the vices.
SANS 10198-2:2004 (2009-05-22) (SABS 0198-2)	
The selection, handling and installation of electric power cables of ramethods of installation	ating not exceeding 33 kV Part 2: Selection of cable type and
Ed 2.00 A4 25p EN	Gr 9
PDF 25p EN	29.240.20
Deals with factors to be taken into account when an electrical distribution electric power cable is being selected, and gives a general introduction to	system is being designed. It covers criteria to be considered when an the methods available for the laying of power cables.
SANS 10198-3:2004 (2009-05-22) (SABS 0198-3)	
The selection, handling and installation of electric power cables of raprovisions	ating not exceeding 33 kV Part 3: Earthing systems - General
Ed 2.00 A4 11p EN PDF 11p EN	Gr 6 29.240.20
Covers general provisions for the earthing of electric power cables and the	e apparatus in which the cables are terminated.
SANS 10198-4:2010 (SABS 0198-4)	
The selection, handling and installation of electric power cables of ra	ating not exceeding 33 kV Part 4: Current ratings
Ed 2.01 A4 62p EN	Gr 13
PDF 62p EN	29.240.20
Deals with factors to be taken into account when an electrical distribution installed under stipulated standard conditions. Rating factors for deviation short-circuit ratings for symmetrical and earth faults are given. Am 1(National), 2010-04-16	system is being designed. Covers current ratings for five types of cables is from standard conditions of installation are tabulated and, in addition,
SANS 10198-5:2004 (2009-05-22) (SABS 0198-5)	
The selection, handling and installation of electric power cables of raelectrical resistivity of soil	ating not exceeding 33 kV Part 5: Determination of thermal and
Ed 2.00 A4 14p EN	Gr 6
PDF 14p EN	29.240.20
Covers methods used for the determination of the thermal resistivity of so of soil. Reference is also made to the determination of electrical resistivity	il, the interpretation of results and how to improve the thermal resistivity
SANS 10198-6:2004 (2009-05-22) (SABS 0198-6)	
The selection, handling and installation of electric power cables of ratio	ating not exceeding 33 kV Part 6: Transportation and storage
Ed 2.00 A4 8p EN PDF 8p EN	Gr 5 29.240.20
Deals with the practical aspects of handling cables. It reviews procedures power cables in drums or as coils.	of transportation by road, rail and sea as well as storage of electric

NUMERICAL LIST OF STANDARDS		
SANS 10198-7:2004 (2009-05-22) (SABS 0198-7) The selection, handling and installation of electric power cables of rating not	exceeding 33 kV Part 7: Safety precautions	
Ed 2.00 A4 16p EN PDF 16p EN	Gr 7 29.240.20	
Covers precautions against electric shock, fire and burns, as well as safety measur repairs or alterations are made to existing cables. Emergency treatment for electric	res to be observed when drums of cable are handled and when shock and burns, including artificial respiration, is also covered.	
SANS 10198-8:2007 (SABS 0198-8)		
The selection, handling and installation of electric power cables of rating not Ed 2.01 A4 19p EN PDF 19p EN	exceeding 33 kV Part 8: Cable laying and installation Gr 8 29.240.20	
Covers the procedures to be followed when installing electric power cables by direct cableways. Am 1(National), 2007-12-14	t burial, in pipes, in air, on cable trays and in enclosed	
SANS 10198-9:1988 (1999-04-30) (SABS 0198-9) The selection, handling and installation of electric power cables of rating not extruded solid dielectric-insulated cables up to 3.3 kV	exceeding 33 kV Part 9: Jointing and termination of	
Ed 1.00 A4 16p EN PDF 16p EN	Gr 9 29.240.20	
Deals with the practical aspects of handling and installing cables. It covers the joint cables of system operating voltage in the range 600/1 000 V-1,9/3,3 kV. The proce materials such as PVC, XLPE, natural rubber, ethylene propylene rubber and similar	ing and terminating of extruded solid dielectric-insulated power dures described are suitable for cables having dielectric ar polymers.	
SANS 10198-10:2010 (SABS 0198-10)		
The selection, handling and installation of electric power cables of rating not paper-insulated cables	exceeding 33 kV Part 10: Jointing and termination of	
Ed 2.00 A4 49p EN PDF 49p EN	Gr 11 29.240.20	
Deals with the practical aspects of handling and installing cables. Covers the jointir cables, including common procedures for jointers, through jointing, terminations, st methods.	ng and termination of low and medium voltage paper-insulated op joints, plumbing aluminium sheaths and certain alternative	
SANS 10198-11:2010 (SABS 0198-11)		
screened polymeric-insulated cables	exceeding 33 kV Part 11: Jointing and termination of	
PDF 37p EN	29.240.20	
Deals with the practical aspects of handling and installing cables. Covers the jointin cables of system operating voltage in the range 6,6 kV - 33 kV, using polyethylene materials for the core insulation. Also covers transition jointing to paper-insulated c	ng and termination of screened extruded solid dielectric-insulated (XLPE or PE), ethylene-propylene rubber (EPR) or similar ables.	
SANS 10198-12:1988 (1999-04-30) (SABS 0198-12)		
The selection, handling and installation of electric power cables of rating not Ed 1.00 A4 12p EN	exceeding 33 kV Part 12: Installation of earthing system Gr 8	
PDF 12p EN	29.240.20	
of providing an earth electrode. The earthing of metal cable components is covered	in detail.	
SANS 10198-13:1988 (1999-04-30) (SABS 0198-13)		
The selection, handling and installation of electric power cables of rating not fault location	exceeding 33 kV Part 13: Testing, commissioning and	
Ed 1.00 A4 20p EN PDF 20p EN	Gr 10 29.240.20	
Deals with the practical aspects of handling and installing cables. It covers the testi and voltage testing) and commisioning of cable and gives procedures for locating the	ing (insulation resistance, conductor resistance, capacitance he position of any faults.	
Am 1(National), 1990-05-01 Am 2(National), 1995-05-01		

SANS 10198-14:1996 (2001-11-07) (SABS 0198-14)	
The selection, handling and installation of electric power cables of rating not conductor (ABC) cables	exceeding 33 kV Part 14: Installation of aerial bundled
Ed 2.00 A4 17p EN PDF 17p EN	Gr 9 29.240.20
Gives guidance on the installation of aerial bundled conductors (ABC's) that compl 2.	y with with the requirements of SABS 1418-1 and SABS 1418-
SANS 10199:2010 (SABS 0199)	
The design and installation of earth electrodes	
Ed 2.01 A4 39p EN	Gr 10
PDF 39p EN	29.120.50
Intended to give authoritative guidance on the methods to be used in providing an characteristics of earth electrodes. Am 1(National), 2010-11-12	earthing system and in calculating and measuring the essential
SANS 10200:1985 (SABS 0200)	
Neutral earthing in medium voltage industrial power systems	
Ed 1.00 A4 14p EN	Gr 8
PDF 14p EN	29.120.50
Covers general principles and design criteria applicable to the method of earthing t system voltage in the range 2-33 kV. Except where effective earthing is required, re earth fault current magnitude per earthing device. Contains design procedures for	he neutral in meduim voltage power systems having a nominal ecommends resistive earthing and the adoption of a standard resistive earthing in new and in existing systems.
SANS 10204:2006	
(SABS 0204)	
The application of fumigants	
Ed 2.01 A4 40p EN	Gr 10
PDF 40p EN	65.100.01
Covers the safe application of fumigants to buildings, bulk transportation vehicles, of pests. Training qualifications required of pest control operators, grain silo operat and clearance after fumigation, safety and health precautions and medical and first basic first-aid kit, the toxicity of fumigants, symptoms of poisoning, and first-aid tree.	ships, commodities in storage containers and soil for the control ors and fumigators are laid down. General preparations before t-aid facilities are covered. Annexes provide information on a atment in cases of suspected poisoning.
Am 1(National), 2006-03-31	
SANS 10205:2007 (SABS 0205)	
The measurement of noise emitted by motor vehicles in motion	
Ed 1.01 A4 15p EN	Gr 7
PDF TSP EN	17.140.30; 43.020
Am 1(National), 2007-09-07	
SANS 10206:2010 (SABS 0206)	
The handling, storage and disposal of pesticides	
Ed 2.02 A4 83p EN	Gr 15
PDF 83p EN	13.030.30; 65.100.01
Specifies the procedures and requirements for the handling, storage and disposal operators, distributors, manufacturers, formulators and packers to ensure the least Am 1(National), 2007-10-12 Am 2(National), 2010-07-23	of pesticides by household users, farmers, pest control risk to health and safety, and to property and the environment.
SANS 10208-1:2011	
(SADS U2US-1) Design of structures for the mining industry Part 1. Headgoar structures	
Ed 3.01 A4.17n FN	Gr 7
PDF 17p EN	73.100.40
Specifies the design loads and the design procedures to be adopted in the structur headgear includes all structures and their foundations, that are required at the head supporting winding and sinking ropes, rope guides and rubbing ropes, equipment for as ancillary sinking and maintenance equipment. The headgear also includes the base of the support	al design of headgear structures and components. The d of all vertical and inclined mine shafts for purposes of or loading and unloading conveyances, safety devices, as well bank and sub-bank levels.

Am 1(National), 2011-05-13

SANS 10208-2:2011	
(SABS 0208-2) Decise of etwatures for the mining industry Part 2: Sinking starse	
Ed 2.01 A4 195 EN	Cr 7
PDF 18p EN	73 100 40
Defines the design loads and the design procedures to be adopted in the structura Am 1(National), 2011-05-13	I design of stages and components of stages.
SANS 10208-3:2012	
(SABS 0208-3)	
Design of structures for the mining industry Part 3: Conveyances	
Ed 3.00 A4 32p EN PDF 32p EN	Gr 10 53.040.10: 73.100.40
Defines the loads and load combinations to be adopted and specifies the design p alloy structural members of conveyances used for the transport of men, materials, to be used for the design of ropes, sheaves or attachments. Does not cover chairli	rocedures to be used for the design of the steel and aluminium equipment and rock in vertical and inclined shafts. Not intended fts.
SANS 10208-4:2011 (SABS 0208-4)	
Design of structures for the mining industry Part 4: Shaft system structures	
Ed 2.00 A4 35p EN	Gr 10
PDF 35p EN	73.020
Defines the loads and load combinations to be adopted and specifies the design p both vertical and decline shafts. Includes buntons and guides, station structures, re arresting structures, pipe supports, rope guide anchor supports and box fronts.	rocedures to be used for the design of shaft system structures in ock loading structures, brattice walls, conveyance and vehicle
SANS 10209:2003 (SABS 0209)	
The design and construction of private swimming pools	
Ed 1.03 A4 44p EN	Gr 11
PDF 44p EN	97.220.10
Covers the layout, design and construction of private swimming pools. Appendices painting and pool maintenance are included. It does not cover the provision of heat	s covering the use of trees near a pool, construction procedures, ing equipment.
Am 1(National), 1993-02-23 Am 2(National), 1998-03-09	Am 3(National), 2003-06-06
SANS 10210:2004 (2012-08-03) (SABS 0210)	
Calculating and predicting road traffic noise	
Ed 2.02 A4 69p EN PDE 69p EN	Gr 13
	17.140.30; 43.020
Covers a procedure for calculating and predicting road traffic noise under typical S a one-hour-equivalent continuous A-weighted sound pressure level LAeq for any c relates both to traffic operating on uninterrupted flow road facilities and to stop-star Am 1(National), 1997-12-01 Am 2(National), 2004-12-15	outh African traffic and sound propagation conditions, in terms of hosen time interval (in multiples of one hour). The procedure t conditions on interrupted flow road facilities.
SANS 10211:2008 (SABS 0211)	
The measurement of noise inside motor vehicles	
Ed 1.02 A4 15p EN	Gr 7
PDF 15p EN	17.140.30; 43.020
Covers the measurement of noise inside category M2, M3, N2 and N3 vehicles (expublic roads.	cluding electrically driven vehicles) that are intended for use on
Am 1(National), 2000-03-03 Am 2(National), 2008-02-08	
SANS 10212:1998 (SABS 0212)	
The roadside roadworthiness assessment of motor vehicles	
Ed 2.00 A4 15p EN	Gr 9
гыг тэр ем	43.020; 53.060
Establishes the methods to be used in, and the extent of, the examination of motor roadworthiness by traffic authorities.	r vehicles that are subjected to a roadside assessment for

SANS 10213:2008	
(SABS 0213) The installation and safe use of ethylene oxide (EO) sterilizers in healthcare	facilities and in industry
Ed 3.00 A4 25p EN	Gr 9
PDF 25p EN	11.080.10
Covers the procedure for the installation of ethylene oxide (EO) sterilizers and the safe use of EO sterilizers in healthcare facilities and in industry.	e safety precautions and system management necessary for the
SANS 10216:2010	
(SABS 0216)	
Evaluation of vehicle test stations	Cr 0
PDF 30p EN	03 120 20: 43 180
Contains general provisions for the evaluation of the technical competence of a vigrading and registration of the authority on the grounds of its adherence to the procompetence of registered examiners of vehicles employed. Am 1(National), 2010-09-01	ehicle test station authority. Serves as a basis for determining the ovisions of this standard, the suitability of the equipment and the
SANS 10217:2008	
(SABS 0217)	
The heat treatment of ground-engaging parts for farming implements	
PDF 7p EN	Gr 5 25 200: 65 060 20
Provides technical information on and lays down provisions for the heat treatment engaging parts for farming implements, in order to achieve an optimum comprom Am 1(National), 2008-06-13	t of through-hardening steels used in the manufacture of ground- ise between hardness and toughness.
SANS 10218-1-2004 (2012-06-29)	
(SABS 0218-1)	
Acoustical properties of buildings Part 1: Grading criteria for the airborne s	ound insulation properties of buildings
Ed 2.02 A4 35p EN	Gr 10
	91.120.20
Covers the measurement of the acoustical properties of residential and non-residinsulation by means of which buildings or parts of buildings can be graded.Cor 1(National), 2001-03-27Am 1(National), 2004-08-20	ential buildings and it specifies values for airborne sound
SANS 10218-2:2004 (2012-06-29) (SABS 0218-2)	
Acoustical properties of buildings Part 2: The assessment of building plans	and buildings with respect to their acoustical properties
Ed 1.01 A4 8p EN	Gr 5
	91.120.20
Covers recommendations for the assessment of building plans and buildings with emitted noise and the grading of buildings as described in SANS 10218-1. Am 1(National), 2004-08-06	respect to their acoustical properties with regard to intruding and
SANS 10219-1:2006	
(SABS 0219-1)	
The determination of performance (at net power) of industrial internal comb	ustion engines Part 1: Standard reference conditions and
declarations of power, fuel consumption and lubricating oil consumption	Gr 9
PDF 25p EN	27.020
Specifies the standard reference conditions and the methods of declaring the pov reciprocating internal conbustion engines using liquid or gaseous fuels.	ver, fuel consumption and lubricating oil consumption of
SANS 10219-2:2006	
(SABS 0219-2)	
The determination of performance (at net power) of industrial internal comb	ustion engines Part 2: Test methods
Ea 2.00 A4 14p EN PDF 14p EN	Gr b 27.020
Covers appointance and two test methods for registrasting internal combinations	21.020
ouvers acceptance and type test methods for reciprocating internal compustion e	

SANS 10219-3:2006 (SABS 0219-3) The determination of performance (at net pow Ed 2.00 A4 12p EN PDE 12p EN	rer) of industrial internal combustion engines Part 3: Test measurements Gr 6
Summarizes the common techniques of measure precision in measurements.	ement of the main parameters of reciprocating internal combustion engines to ensure the required
SANS 10219-4:2006 (SABS 0219-4) The determination of performance (at net pow Ed 2.00 A4 10p EN PDF 10p EN	rer) of industrial internal combustion engines Part 4: Speed governing Gr 5 27 020
Covers a procedure for the selection of speed go	verning systems for use with reciprocating internal combustion engines.
SANS 10219-5:2006 (SABS 0219-5) The determination of performance (at net pow Ed 2.00 A4 6p EN PDF 6p EN	rer) of industrial internal combustion engines Part 5: Torsional vibrations Gr 4 27 020
Covers a procedure for ensuring that torsional vib within specified limits.	prations in shaft systems of sets driven by reciprocating internal combustion engines are kept
SANS 10219-6:2006 (SABS 0219-6) The determination of performance (at net pow	er) of industrial internal combustion engines Part 6: Overspeed protection
Ed 2.00 A4 5p EN PDF 5p EN	Gr 4 27.020
Covers a procedure for the protection of reciproc necessary, individual requirements can be given	ating internal combustion engines against damage caused by high engine speeds. Where for particular engine applications.
SANS 10220:2010 (SABS 0220) The selection, use and maintenance of respira Ed 1.02 A4 55p EN PDF 55p EN Covers equipment for the protection against harm atmospheres. Assists the end user in terms of the	Atory protective equipment Gr 12 13.340.30 nful substances that may enter through the respiratory system including oxygen deficient e selection, use and maintenace of such equipment. Does not cover underwater breathing
devices, aircraft oxygen systems, military masks Am 1(National), 2003-12-18 Am 2(N	or medical inhalators and resuscitators. ational), 2010-10-22
SANS 10221:2007 (SABS 0221) The testing of geotextiles Ed 1.02 A4 16p EN PDF 16p EN	Gr 7 59.080.70
Covers methods that may be used for the testing selection of geotextiles and the assessment of te	of synthetic polymer woven, non-woven and knitted geotextiles and includes guidance on the st results.
Am 1(National), 1991-08-01 Am 2(N	ational), 2007-11-23
SANS 10222-1:2007 (SABS 0222-1) Electrical security installations Part 1: General Ed 1.02 A4 17p EN PDF 17p EN	ll Gr 7 13.310
Covers the planning, design, installation, operation Am 1(National), 1993-11-01 Am 2(N	on and maintenance of electrical security installations. ational), 2007-04-13
SANS 10222-2:2007 (SABS 0222-2) Electrical security installations Part 2: Access Ed 1.01 A4 14p EN	Gr 6
Establishes general principles for the planning. d	13.310 esign, installation, operation and maintenance of access control systems.

Am 1(National), 2007-04-20

NUMERICAL LIST OF STANDARDS SANS 10222-3:2012 (SABS 0222-3) Electrical security installations Part 3: Electric fences (non-lethal) Ed 4.01 A4 41p EN Gr 11 PDF 41p EN 13.310; 91.090 Gives additional instructions for the installation and connection of electric fences to those given in SANS 60335-2-76. Also gives requirements to improve the safety of electric fences and to decrease the likelihood of electromagnetic interference on communication systems. Am 1(National), 2012-12-14 SANS 10222-5-1-1:2007 (SABS 0222-5-1-1) Electrical security installations Part 5-1-1: CCTV installations - CCTV surveillance systems for use in security applications -**Operational requirements** Ed 1.01 A4 20p EN Gr 8 PDF 20p EN 13.310: 33.160.40 Provides a method for analysing and documenting the needs of end users of CCTV surveillance systems. Contains a statement of needs based on a thorough and systematic assessment of the problems to be solved and the resultant desired solutions, provides guidance on writing information checklists and illustrates how these can be applied to the acquisition, installation and management of a CCTV surveillance system. Am 1(National), 2007-03-02 SANS 10222-5-1-2:2007 (SABS 0222-5-1-2) Electrical security installations Part 5-1-2: CCTV installations - CCTV surveillance systems for use in security applications - System design requirements Ed 1.01 A4 58p EN Gr 12 PDF 58p EN 13.310; 33.160.40 Gives recommenations for the general design requirements for CCTV surveillance systems used in security applications. Am 1(National), 2007-04-20 SANS 10222-5-1-3:2007 (SABS 0222-5-1-3) Electrical security installations Part 5-1-3: CCTV installations - CCTV surveillance systems for use in security applications -Installation, planning and implementation requirements Ed 1.01 A4 24p EN Gr 9 PDF 24p EN 13.310; 33.160.40 Gives recommendations for the planning and installation of closed circuit television (CCTV) equipment comprising of camera(s) with monitor(s), video recorder(s), switching control and ancilliary equipment for use in security applications. Am 1(National), 2007-03-30 SANS 10222-5-1-4:2003 (2008-10-03) Electrical security installations Part 5-1-4: CCTV installations - CCTV surveillance systems for use in security applications - Testing, commissioning and hand-over requirements Ed 1.00 A4 25p EN Gr 9 PDF 25p EN 13.310 Gives recommendations for the testing, commissioning and hand-over of CCTV systems used in security applications. SANS 10222-5-1-5:2003 (2008-10-03) Electrical security installations Part 5-1-5: CCTV installations - CCTV surveillance systems for use in security applications -Maintenance requirements Ed 1.00 A4 20p EN Gr 8 PDF 20p EN 13.310 Gives recommendations for the maintenance of closed circuit television (CCTV) equipment comprising camera(s), monitor(s), video recorder(s), switching control and ancillary equipment for use in security applications. SANS 10222-5-2:2007

(SABS 0222-5-2)

Electrical security installations Part 5-2: CCTV installations - Application guidelines

 Ed 1.01
 A4 23p EN
 Gr 9

 PDF 23p EN
 13.310; 33.160.40

BS EN 50132-7:1997, MOD

Gives recommendations for the selection, planning and installation of closed-circuit television (CCTV) systems that comprise one or more cameras with monitors, video recorders, switching equipment, control equipment and ancillary equipment (or any combination of these) for use in security applications. It also provides objective evaluation of performance of the system.

Am 1(National), 2007-04-20

Standards South Africa Catalogue 2013 NUM - 484

SANS 10225:2012	
(SABS 0225)	
Ine design and construction of lighting masts	Cr 10
PDF 53p EN	91 160 20: 93 080 40
Covers the general structural design procedures, the minimum design loads to be parts, and the fabrication and erection of lighting masts of circular or polygonal cro	adopted in the design of lighting masts and their component oss-sections.
Am ((Mational), 2012-00-24	
SANS 10226:2009 (SABS 0226)	
The installation, post-installation tests and maintenance of microbiological s	safety cabinets
PDF 10p FN	Gr 5
class I, II or III of the compulsory specification for microbiological safety cabinets (Err 1(National), 2001-07-10 Am 1(National), 2009-08-14	class I, II and III).
SANS 10227:2012 (SABS 0227)	
Criteria for the operation of inspection authorities performing inspection in t	erms of the Pressure Equipment Regulations
Ed 2.01 A4 15p EN	Gr 7
PDF 15p EN	03.120.20; 23.020.30
Covers the specific criteria for the operation of inspection authorities performing in legislation.	spection on pressure equipment in terms of the relevant national
Am ((national), 2012-12-14	
SATR 10228:2012 Supplement to SANS 10228:2012 - Variations between SANS 10228 (aligned v Regulations, edition 17	with UN Model Regulations, edition 16) and UN Model
Ed 2.00 A4 18p EN	Gr 7
PDF 18p EN	13.300
Serves as a supplement to SANS 10228:2012.	
SANS 10228:2012 (SABS 0228)	
The identification and classification of dangerous goods for transport by roa	d and rail modes
Ed 6.00 A4 462p EN	Gr 24
PDF 462p EN	13.300
Covers the identification of dangerous goods that are capable of posing a significat Dangerous goods are classified in nine classes and three packing groups in accorr Transport of Dangerous Goods. Model Regulations. The nine classes relate to the degree of danger posed within the class. Applies to road and rail modes of transport	Int risk to health and safety or to property and the environment. dance with the United Nations' Recommendations on the type of hazard whereas the three packing groups relate to the ort.
SANS 10229-1:2010	
Transport of dangerous goods - Packaging and large packaging for road and	f rail transport Part 1: Packaging
Ed 2.00 A4 213p EN	Gr 21
PDF 213p EN	03.220; 13.300; 55.020
Identifies methods of packaging suitable for prescribed maximum quantities of dar Describes minimum performance requirements for the packaging, the procedures authorities and gives details of the labels and marking to be displayed on the pack	ngerous goods that may be transported by road and rail. to be followed to obtain approval from testing or certification aging.
SANS 10229-2:2010	
Transport of dangerous goods - Packaging and large packaging for road and	frail transport Part 2: Large packaging
Ed 1.01 A4 37p EN PDF 37p EN	Gr 10 03.220; 13.300; 55.020
Identifies the various types of large packaging that are suitable for the transport of performance requirements for the large packaging the procedures to be followed	dangerous goods by road and rail. It describes minimum

performance requirements for the large packaging, the procedures to be followed to obtain approval from test stations or certification authorities and gives details of the marking and labelling to be displayed on the large packaging. Am 1(National), 2010-08-13

SANS 10231:2010 (SABS 0231) Transport of dangerous goods - Operational requirements for road vehicles Ed 3.01 A4 141p EN	Gr 16	
PDF 141p EN Establishes rules and procedures for the safe operation and handling of all road very accordance with the load constraints. The procedures include requirements for the well as en route procedures, and cargo handling. Am 1(National), 2010-05-07	13.300; 43.020 ehicles that are used for the transport of dangerous goods in e consignor, consignee, operator, driver and qualified person as	
SANS 10232-1:2007 (SABS 0232-1) Transport of dangerous goods - Emergency information systems Part 1: Eme Ed 3.00 A4 29p EN PDF 29p EN	ergency information system for road transport Gr 10	
Covers requirements for an emergency information system that needs to be in pla for hazard class diamonds, placards and emergency information documents.	ce for the transport of dangerous goods. Requirements are set	
SANS 10232-3:2011 (SABS 0232-3) Transport of dangerous goods - Emergency information systems Part 3: Eme Ed 3.01 A4 9p EN	ergency response guides Gr 5	
PDF 9p EN	13.300	
Covers standard procedures of initial response, in the form of Emergency Response Guides (ERGs), that are to be followed by a first responder upon arrival at the scene of an incident that involves the transport of materials that are classified as dangerous goods in accordance with SANS 10228. The ERGs are intended to be used by the first responder or by the emergency services until more detailed information on the properties of each material and its treatment becomes available. An ERG is compiled for a group of materials that share the same emergency response. ERGs facilitate the early assessment of the potential hazards and indicate the response that should be taken to mitigate the incident.		
SANS 10232-4:2012 Transport of dangerous goods - Emergency information systems Part 4: Transport emergency card		
Ed 1.02 A4 31p EN PDF 31p EN	Gr 10	
Covers the requirements for a transport emergency card (TREC) to make the driver of a vehicle transporting dangerous goods by road aware of the danger associated with the load, and to indicate its use as a concise and quick reference in an emergency situation. Am 1(National), 2007-04-20 Am 2(National), 2012-09-21		
SANS 10233:2011 (SABS 0233)		
Transport of dangerous goods - Intermediate bulk containers for road and ra	il transport	
Ed 3.01 A4 66p EN	Gr 13	
PDF 66p EN	13.300; 55.160	
Establishes the requirements for various types of intermediate bulk container (IBC describes minimum performancerequirements for the IBCs, the procedures to be and gives details of the marking and labelling to be displayed on the IBCs. Am 1(National), 2011-02-18)suitable for the transport of dangerous goods by road and rail. It followed to obtain approval from testing orcertification authorities	
SANS 10234:2008		
Ed 1.01 A4 329n EN	Gr 23	
PDF 329p EN	13.300	
Covers the harmonized criteria for the classification of hazardous substances and mixtures, including waste, for their safe transport, use at the workplace or in the home according to their health, environmental and physical hazards. Gives the harmonized communication elements for labelling and safety data sheets. Does not cover pharmaceuticals, food additives, cosmetics and pesticide residues in food in terms of labelling at the point of intentional intake.		

SANS 10234 SUPPLEMENT:2008

List of classification and labelling of chemicals in accordance with the Globally Harmonized System (GHS)

Ed 1.00	A4 276p EN	Gi	r 20
	PDF 276p EN	13	.300

Covers the labelling and classification criteria of SANS 10234 for hazardous substances. Gives, in tabular form, the GHS classification and label elements of the most commonly used chemicals.

SANS 10235:2007 (SABS 0235)		
Fibre-content labelling of textiles and textile products		
Ed 2.01 A4 14p EN PDF 14p EN	Gr 6	
Specifies alternative methods for designating the fibre content of textiles and textil	59.080.01; 61.020	
piece-goods and yarns. Also specifies the methods to be used for determining the Am 1(National), 2007-06-01	fibre content of textiles and textile products.	
SANS 10237:1991 (2000-12-13) (SABS 0237)		
Roof and side cladding		
Ed 1.00 A4 36p EN PDF 36p EN	Gr 12 91 060 10: 91 060 20	
Covers the design, installation and testing of profiled sheeting of length exceeding cover composite panels.	1 m and intended for use as roofing and side cladding. Does not	
SANS 10238:2011 (SABS 0238)		
Welding and thermal cutting processes - Health and safety		
Ed 1.04 A4 42p EN PDE 42p EN	Gr 11	
Establishes the general principles for the protection of persons from injury and illn	13.100; 23.160.10	
damage that can arise from welding and thermal cuttting processes. Specific provi resistance welding processes.	sions are included of oxyfuel gas welding, arc welding and	
Am 1(National), 1994-02-01 Am 2(National), 1998-03-02 Am 4(National), 2011-06-14 Am 2(National), 1998-03-02	Am 3(National), 2005-07-08	
SANS 10239:1992 (2002-01-17) (SABS 0239)		
Hygienic practices on commercial fishing vessels		
Ed 1.00 A4 32p EN	Gr 12	
	13.100; 47.040; 65.150	
establishes general principles for certain aspects of the design, construction and c vessels. Covers on-board activities related to the hygienic conduct of crew and the	peration of factory vessels and other commercial fishing hygienic handling of marine products for human consumption.	
SANS 10240:2005 (SABS 0240)		
The installation of replacement auto glass in motor vehicles by the direct gla	izing method	
Ed 2.01 A4 12p EN PDF 12p EN	Gr 6 43 040 65	
Specifies requirements for replacement auto glass in motor vehicles by means of	the direct glazing method.	
Am 1(National), 2005-03-04		
SANS 10241:2008		
(SABS 0241)	the installation of an board computers	
Ed 1.02 A4 17p EN	Gr 7	
PDF 17p EN	35.160; 43.180	
Covers the facilities, equipment and personnel to be available at a tachograph centrat comply with the requirements of SANS 1558 and, where applicable, for on-box Am 1(National), 1993-07-01 Am 2(National), 2008-05-23	tre. Testing and inspecting procedures are given for tachographs ard computers that comply with the requirements of SANS 1552.	
SANS 10242-1:1999		
(SABS 0242-1)		
The rewinding and returbishing of rotating electrical machines Part 1: Low-v	Oltage three-phase induction motors	
PDF 48p EN	29.160.30	
Establishes general principles for the rewinding and refurbishing of low-voltage three-phase alternating current induction motors of the cage and wound rotor (slip-ring) types, with rated output not exceeding 800 kW, for rated voltages not exceeding 1 100 V between phases, at a service frequency of 50 Hz. Covers motors with random-wound (mush) coils and form-wound coils.		
Am 1(National), 1993-09-01 Am 2(National), 1997-02-17 Am 4(National), 1999-11-12 Am 2(National), 1997-02-17	Am 3(National), 1998-02-09	

Standards South Africa Catalogue 2013 NUM - 488

NUMERICAL LIST OF STANDARDS

SANS 10243:2004 (SABS 0243)

The manufacture and erection of timber trusses	
Ed 3.00 A4 97p EN PDF 97p EN	Gr 14 91.060.20; 91.080.20
Gives guidance on the manufacture, erection and bracing of timber roof trusses, in members.	cluding nail-plated trusses and bolted trusses with lapped
SANS 10244-1-2003 / EN 10244-1-2001	
Steel wire and wire products - Non-ferrous metallic coatings on steel wire Pa	rt 1: General principles
Ed 1.00 A4 8p EN	Gr 6
PDF 8p EN	25.220.40; 77.140.65
Specifies the requirements for the mass, other properties and testing of non-ferrou or other cross-section. Deals with requirements of general application and is of use been laid down in SANS 10244-1, EN 10244-2, EN 10244-3, EN 10244-4, EN 1024 required for well-defined products. In such cases, appropriate requirements shall b	s metal coatings on steel wire and steel wire products of circular e for those coatings for which no particular requirements have 44-5 and EN 10244-6. Deviations are possible, particularly if e part of the relevant product standard.
SANS 10244-2:2011 / EN 10244-2:2009 Steel wire and wire products - Non-ferrous metallic coatings on steel wire Pa	rt 2. Zinc and zinc allov coatings
Ed 2.00 A4.20n EN	Gr 8
PDF 20p EN	25.220.40; 77.140.65
Specifies the requirement for coating mass, other properties and testing of zinc and circular or other section.	d zinc alloy coatings on steel wire and steel wire products of
SANS 10245:2008	
(SABS 0245)	
The maintenance of textile floor coverings	
Ed 1.01 A4 46p EN	Gr 11
PDF 460 EN	59.080.60
Gives guidance on suitable and appropriate maintenance techniques for textile floc all types in good condition. Is applicable to both domestic and contract types of tex Am 1(National), 2008-05-30	or coverings. Enables users to maintain textile floor coverings of tile floor covering.
SANS 10247:2009	
(SABS 0247)	
The cleaning of textile upholstered furniture	
Ed 1.01 A4 24p EN	Gr 9
PDF 24p EN	03.080.30; 59.080.30; 97.140
Covers suitable and appropriate cleaning techniques for textile upholstered domes furniture upholstered in leather or coated fabrics. Am 1(National), 2009-01-23	tic and contract furniture. Is not applicable to the cleaning of
SANS 10248:2004	
(SABS 0248) Management of healtheare waste	
Ed 2.00 A4.55n EN colour	Gr 13
PDF 55p EN colour	11,020:13,030,30
Specifies criteria for the segregation, collection, movement, storage and disposal c	of waste materials within health care.
SANS 10248-1:2008	
Management of healthcare waste - Part 1: Management of healthcare risk was	ste from a healthcare facility
Ed 1.00 A4 55p EN PDE 55p EN	Gr 13
Lave down minimum provisions for the sofe and effective management of healthese	re rick weats generated by healthcare facilities and other places
where healthcare professionals work in order to reduce potential risks to humans a waste covers the generation, the packaging, the treatment and the disposal of was	and to the environment. The management of healthcare risk ite.
SANS 10248-2:2009 Management of healthcare waste - Part 2: Management of healthcare risk was	ste for healthcare facilities and healthcare providers in
Ed 1.00 A4.31p EN	Gr 11
PDF 31p EN	11.020; 13.030.30
Specifies provisions and requirements for the safe management of healthcare risk operating in rural and remote settings.	waste for healthcare facilities and healthcare providers

SANS 10248-3:2011 Management of healthcare waste Part 3: Management of healthcare risk was professionals and non-healthcare professionals	te from minor generators - Registered healthcare
Ed 1.00 A4 23p EN	Gr 9
Specifies provisions and requirements for the safe management of healthcare risk	waste generated by registered healthcare professionals and
non-healthcare professionals.	5 <i>7</i> 5 1
SANS 10249:2012 (SABS 0249) Masonry walling	
Ed 1.02 A4 76p EN	Gr 13
PDF 76p EN	91.060.10
Am 1(National), 2009-05-08 Am 2(National), 2012-03-16	masonny walling in general situations.
SANS 10250:2010	
Fitment and repair centres for automotive air-conditioning systems	
Ed 2.00 A4 23p EN	Gr 9
FDF 25p EN	43.040.60; 43.180
Specifies the site conditions and operating methods that should be uniformly appli- ensure that a high level of customer satisfaction is maintained. Also addresses pro- where the use, care, handling, monitoring and disposition of fluorocarbons (refrigen	ed in all franchised and independent fitment and repair centres to btection of the environment (air, ground and water) particularly rant gas) are concerned.
SANS 10252-1:2012 (SABS 0252-1)	
Water supply and drainage for buildings Part 1: Water supply installations fo	r buildings
Ed 3.00 A4 239p EN	Gr 19
PDF 239p EN	91.140.60
Establishes general principles for the design, installation and testing of water insta	llations for buildings.
SANS 10252-2:1993 (2002-08-08) (SABS 0252-2)	
Water supply and drainage for buildings Part 2: Drainage installations for bu	ildings
Ed 1.00 A4 173p EN Loose-leaf	Gr 19
PDF 173p EN	91.140.80
Establishes general principles for the design, installation and testing of sanitary dra drainage installations in health care, laboratory or industrial buildings.	ainage installations. Does not cover any special requirements for
SANS 10253:2005	
(SABS 0253)	
Brake service workshops	
Ed 1.02 A4 15p EN	Gr 7
PDF 15p EN	43.180
Establishes minimum requirements for brake service workshops that carry out wor O4 vehicles.	k on category M1, M2, M3, N1, N2, N3, O1 (if fitted), O2, O3 and
Am 1(National), 1995-10-23 Am 2(National), 2005-11-21	
SANS 10254:2012 (SABS 0254)	
The installation, maintenance, replacement and repair of fixed electric storage	e water heating systems
Ed 4.00 A4 27p EN	Gr 9
PDF 27p EN	91.140.65
Covers the safe installation of new and replacement fixed electric storage water he hydraulic control units. It also covers the maintenance of storage water heating system.	eaters, complete with all the relevant and applicable safety and stems.
SANS 10255:2009 (SABS 0255)	
Health, safety and environmental guidelines for the construction and operati	on of timber treatment plants
Ed 2.01 A4 34p EN	Gr 10
PDF 34p EN	13.100; 79.020
Specifies health, safety and environmental guidelines for the construction and ope to varying wood preservative methods for specific applications. Am 1(National), 2009-09-11	ration of timber treatment plants, in which products are subjected

Standards South Africa Catalogue 2013 NUM - 489

SANS 10256:2005 (2011-03-31) (SABS 0256)	
Brake drum reconditioning	
Ed 1.01 A4 10p EN PDF 10p EN	Gr 5 43.040.40
Covers provisions for reconditioning of used cast-iron brake drums for road vehicle Am 1(National), 2005-07-08	es and off-road vehicles.
SANS 10257:2004 (2009-07-31) (SABS 0257)	
The reconditioning of valves for use with pipelines	
Ed 1.02 A4 22p EN PDF 22p EN	Gr 8 23.060.01
Establishes principles for the reconditioning of valves for use with pipelines. Am 1(National), 1997-09-22 Am 2(National), 2004-09-10	
SANS 10260-1:2004 (2010-02-26) (SABS 0260-1)	
Industrial gas pipelines Part 1: Distribution of oxygen, nitrogen and argon at	consumer sites
Ed 1.02 A4 30p EN	Gr 9
PDF 30p EN	23.040.01; 71.100.20
Gives guidance on the installation, construction, function, documentation, testing a distribution systems on industrial consumer sites. Applicable to pipeline systems for 1(National), 1993-03-01 Am 1(National), 2004-12-10	and maintenance of permanently installed gas supply and for oxygen, nitrogen and argon, and gaseous pipeline systems.
SANS 10260-2:2004 (2010-02-26) (SABS 0260-2)	
Industrial gas pipelines Part 2: Distribution of hydrogen at consumer sites	
Ed 1.01 A4 15p EN PDF 15p EN	Gr 7
Gives guidance on hydrogen gas pipeline systems installed on industrial consume commissioning and maintenance. Does not cover the production, transportation, d aspects in the use and application of the gas in technical or chemical processes. Am 1(National), 2004-12-10	r sites, and includes provisions for general design, testing, istribution or storage of hydrogen, nor does it cover any safety
SANS 10260-3:2004 (2010-02-26) (SABS 0260-3)	
Industrial gas pipelines Part 3: Distribution of acetylene at consumer sites	
Ed 1.01 A4 35p EN	Gr 10
	23.040.01; 71.100.20
Intended to apply to acetylene pipelines having a maximum working pressure not e Includes pipelines in acetylene filling plants and pipelines up to the outlet points fo brazing, cutting and allied processes. Am 1(National), 2004-12-15	exceeding 3 000 kPa gauge and commissioned after May 1993. r supplying acetylene from generators or cylinders for welding,
SANS 10260-4:2004 (2010-02-26) (SABS 0260-4)	
Industrial gas pipelines Part 4: Distribution of carbon dioxide at consumer si	ites
Ed 1.01 A4 25p EN	Gr 9
PDF 25p EN	23.040.01; 71.100.20
Defines general principles for the installation of carbon dioxide systems on medica dioxide manufacturing plants and distributor bulk stations. Am 1(National), 2004-12-10	I and industrial consumer premises. Does not apply to carbon
SANS 10262-1:2006 (2012-06-29) (SABS 0262-1)	
Radio sites Part 1: Technical performance (narrowband analog mobile radio	services)
Ed 2.01 A4 39p EN	Gr 10
PDF 39p EN	33.070.10
Covers the minimum characteristics considered necessary to optimize the use of t mobile radio services. Includes the minimum record-keeping required by the user kept at an acceptable level. Does not cover broadcasting or satellite services or an	the radio frequency spectrum allocated to narrowband analog to ensure that the quality of the installation and maintenance is ny digital service.

Standards South Africa Catalogue 2013 NUM - 490

Am 1(National), 2006-02-03
Ed 2.00	A4 24p EN	Gr 9
	PDF 24p EN	13.200
Covers t	he development of operational plans	for specific hazards identified in the risk assessment process as a high priority hazard.
SANS 1	0266:2007	
(SABS 0	266)	
The safe	e use, operation and inspection of	man-riding belt conveyors in mines
Ed 2.00	A4 25p EN	Gr 9
	PDF 25p EN	53.040.10; 73.100.40
Covers t both to r	he safe use, operation and inspectior nan-riding belt conveyors that operate	n of man-riding belt conveyors in mines, that operate at a speed not exceeding 2,5 m/s. Applicable e in one direction and to man-riding belt conveyors that transport persons on the top and bottom be
		Standards South Africa Catalogue 2013
		NUM - 491

and bottom belts.

Ed 1.00 A4 23p EN PDF 23p EN 13.300 Specifies requirements for safe handling and storage of industrial and medical gas cylinders for compressed, liquefied or dissolved gases that have a water capacity of 0,5 L to 150 L throughout the supply chain, to and from end users. It also includes undercover and open air conditions. Sites where gas cylinders are filled are specifically excluded. and their associated subsidiary risks, in locations that are generally industrial, commercial and retail, excluding laboratories. Does not apply to: the storage and handling of ammonium nitrate; the storage and handling of oxidizing substances for normal use on residential premises or for own consumption at farms; the storage of oxidizing substances in pack sizes of more than 50 kg; dangerous goods having a Division 5.1 subsidiary risk; and major hazard installations (MHI) Am 1(National), 2009-02-06 SANS 10263-8:2012 The warehousing of dangerous goods Part 8: The storage and handling of corrosive substances Ed 1.01 A4 15p EN Gr 7 PDF 15p EN 13.300 Specifies requirements for the safe storage and handling of corrosive substances of class 8, as defined in SANS 10228, in excess of the exempt guantity and their associated subsidiary risks, in locations that are generally industrial, commercial and retail. Am 1(National), 2012-06-22 SANS 10264-1:2009 (SABS 0264-1) **Disaster management Part 1: Terminology and implementation** Ed 2.00 A4 24p EN Gr 9 PDF 24p EN 13.200 Covers the uniform terminology to be used in written plans and in the various phases of disaster management and the implementation of a disaster management system at local government level. It also covers the risk assessment and needs analysis procedures required for planning. SANS 10264-2:2009 (SABS 0264-2) Disaster management Part 2: All-risk emergency operation planning Ed 2.00 A4 285p EN Gr 9 PDF 285p EN 13,200 Covers the development of some of the more common core functions that are required for all-risk emergency operation system. SANS 10264-3:2009

Disaster management Part 3: Hazard-specific response planning

SANS 10263-0:2010

Ed 1.01 A4 122p EN

SANS 10263-2:2008

(SABS 0264-3)

PDF 122p EN

SANS 10263-5:2009 The warehousing of dangerous goods Part 5: The st	orage and handling of oxidizing substances
Ed 1.01 A4 30p EN	Gr 9
PDF 30p EN	13.300
Lays down requirements for the safe storage and handling	ng of oxidizing substances of Division 5.1 (SANS 10228)

emergencies occur in warehouses used for the storage of dangerous goods. Applies to the warehousing of dangerous goods in excess of certain exempt quantities. Am 1(National), 2010-07-23

NUMERICAL LIST OF STANDARDS

The warehousing of dangerous goods Part 0: General requirements

13.300

Gr 16

The warehousing of dangerous goods Part 2: The storage and handling of gas cylinders

Gr 9

Lays down design features and procedures to be followed to minimize risks to the safety of persons, property and the environment in cases where

SANS 10267:2006 (SABS 0267)		
Homologation of motor vehicle mode	ls	
Ed 3.01 A4 38p EN PDF 38p EN		Gr 10 03 120 20: 43 020
Covers general provisions for the homole by compulsory vehicle specifications pro Am 1(National), 2006-11-24	ogation of motor vehicle models of cat mulgated under the Standards Act, 19	egories M, N and O, including incomplete motor vehicles, as covered 193 (Act No. 29 of 1993).
SANS 10268-1:2009 (SABS 0268-1)		
Welding of thermoplastics - Welding	processes Part 1: Heated-tool weldi	ng
Ed 1.03 A4 20p EN		Gr 8
		25.160.10; 83.080.20
to polypropylene homopolymer (PP-H), F (PVDF) and high-density polyethylene (F	ng the neated-tool butt welding (HS) a Polypropylene block copolymer (PP-B) PE-HD).	nd neated-tool socket weiding (HD) processes. It refers specifically , polypropylene random copolymer (PP-R), polyvinylidene fluoride
Am 1(National), 2002-08-30	Am 2(National), 2007-11-02	Am 3(National), 2009-08-21
SANS 10268-2:2004 (2010-06-04) (SABS 0268-2)		
Welding of thermoplastics - Welding	processes Part 2: Electrofusion wel	ding
Ed 1.01 A4 9p EN		Gr 5
PDF 9p EN		25.160.10; 83.080.20
Covers the welding of thermoplastics by Am 1(National), 2004-11-19	means of electrofusion welding (HM) t	for polyethylene (PE-HD and PE-MD) and polypropylene (PP) pipes.
SANS 10268-3:2005 (2010-10-01) (SABS 0268-3)		
Welding of thermoplastics - Welding	processes Part 3: Hot-gas welding	
Ed 1.01 A4 23p EN		Gr 9
PDF 23p EN		25.160.10; 83.080.20
Covers the welding of thermoplastics usi polyethylene (PE-LD), polypropylene (PF chloride (PVC-C), plasticized polyvinyl cl Am 1(National), 2005-04-01	ng hot-gas welding processes. Refers P), unplasticized polyvinyl chloride (PV nloride (PVC-P), polymethyl methacryl	specifically to high-density polyethylene (PE-HD), low-density 'C-U), high-impact polyvinyl chloride (PVC-HI), chlorinated polyvinyl ate (PMMA) and polyvinylidene fluoride (PVDF).
SANS 10268-4-2004 (2010-06-17)		
(SABS 0268-4)		
Welding of thermoplastics - Welding	processes Part 4: Hot-gas extrusion	welding
Ed 1.01 A4 27p EN		Gr 9
PDF 27p EN		25.160.10; 83.080.20
Covers the hot-gas extrusion welding of pipeline construction.	non-pressurized pipes and panels. Pro	ovides details on practical applications in tank, apparatus and
SANS 10268-5:2004 (2010-06-04) (SABS 0268-5)		
Welding of thermoplastics - Welding	processes Part 5: Solvent welding	
Ed 1.01 A4 9p EN PDF 9p EN		Gr 5 25 160 10:83 080 20
Covers the solvent welding process used (PVC-C) in normal industrial pipeline app Am 1(Netional), 2004 10 10	d to join pipes of unplasticized polyviny plications.	I chloride (PVC-U) and to join pipes of chlorinated polyvinyl chloride
Am 1(Mallondl), 2004-12-10		
SANS 10268-6:2003 (2010-06-17)	Dent C. Illing and S. I.	e station and incention
weiging of thermoplastics - Welding	processes Part 6: Ultrasonic weldin	g, staking and insertion
PDF 34p EN		25.160.10
Covers the processes for the ultrasonic or crystalline materials.	welding, staking and insertion of therm	oplastics. It is applicable for use with both amorphous and semi-

SANS 10268-10:2009 (SABS 0268-10)					
Welding of thermoplastics - Welding	processes Part 10: Weld defects				
Ed 1.03 A4 30p EN		Gr 9			
PDF 30p EN		25.160.10; 83.080.20			
Describes various defects that could occ electrofusion weldind (HM); hot-gas weld welding (WE). It also covers the causes above welding processes.	our during the following welding processes ding with torch separate from filler rod (WF of the defects encountered and the asses	: heated-tool butt welding (HS); heated-tool socket welding (HD); -); hot-gas string-bead welding (WZ); and hot-gas extrusion sment class requirements for welds made by means of the			
Am 1(National), 2002-08-30	Am 2(National), 2005-04-29	Am 3(National), 2009-08-07			
SANS 10269:2009 (SABS 0269)	nd approval of woldow				
Ed 1.03 A4 19p EN	nu approvar or weiders	Gr 8			
PDF 19p EN		25,160,01: 83,080,20			
Covers the testing and certification of we Am 1(National), 2002-08-23	elders who carry out certified welding of th Am 2(National), 2009-02-20	ermoplastics in new constructions, modifications and repairs. Am 3(National), 2009-08-07			
SANS 10270:2011 (SABS 0270)					
Welding of thermoplastics - Approval	of welding procedures and welds				
Ed 1.02 A4 28p EN		Gr 9			
PDF 28p EN		25.160.10; 83.080.20			
Covers the approval of procedures for th welding techniques. Applicable to sheet, Am 1(National), 2004-11-05	e welding of thermoplastics and the appropriate pipe and other sections made of thermop Am 2(National), 2011-03-11	oval of welds made during production, using heat or solvent lastics materials.			
SANS 10272-1:2009 / ISO 10272-1:200 Microbiology of food and animal feed Detection method	6 ing stuffs - Horizontal method for detec	ction and enumeration of Campylobacter spp. Part 1:			
Ed 1.00 A4 23p EN		Gr 10			
PDF 23p EN		07.100.30			
Describes a horizontal method for the defeeding of animals, and to environmental	Describes a horizontal method for the detection of Campylobacter spp. It is applicable to products intended for human consumption or for the feeding of animals, and to environmental samples in the area of food production and food handling.				
SANS 10274:2005 (SABS 0274)					
The refurbishing of diesel engines					
Ed 1.01 A4 15p EN		Gr 7			
PDF 15p EN		43.060.10			
Covers the refurbishing of diesel engines Am 1(National), 2005-04-29	s for motor vehicles.				
SANS 10275:2009 / ISO 10275:2007 Metallic materials - Sheet and strip - I	Determination of tensile strain hardenin	g exponent			
Ed 2.00 A4 17p EN		Gr 8			
PDF 17p EN		77.040.10			
Specifies a method for determining the t method is valid only for that part of the s	Specifies a method for determining the tensile strain hardening exponent "n" of flat products (sheet and strip) made of metallic materials. The method is valid only for that part of the stress-strain curve in the plastic range where the curve is continuous and monotonic.				
SANS 10276:2005 (SABS 0276)					
Motor vehicle radiator reconditioning	workshops				
Ed 1.01 A4 13p EN PDF 13p EN		Gr 6 03.080.10; 43.060.30			
Covers the provisions of motor vehicle ra conditioning system radiators and interce Am 1(National), 2005-03-04	adiator workshops and the reconditioning ooling systems of diesel turbo engines.	or rebuilding of radiators for motor vehicles, excluding air-			

CANC 10379-3005	
(SABS 0278)	
The remanufacture of petrol engines	
Ed 1.01 A4 13p EN	Gr 6
PDF 13p EN	43.060.10
Covers the remanufacture of petrol engines for motor vehicles designed for use or gearbox and the radiator, the air filter assembly, air conditioner compressor and papplicable) and engine mountings. Am 1(National), 2005-07-08	n public roads. Is applicable only to petrol engines, excluding the arts, starter motor, alternator, computer control system (where
SANS 10279:2005 (SABS 0279)	
The rebuilding of automotive gearboxes	
Ed 1.01 A4 10p EN	Gr 5
PDF 10p EN	43.040.50
Covers the rebuilding of automatic and manual automotive gearboxes. Applies to g manual gearboxes, the clutch plate and all clutch components and flexible attachm that retain the torque converter. Am 1(National), 2005-06-10	earboxes from which all the universal joints, in the case of ent have been removed. Also applies to automatic gearboxes
SANS 10280:2001 (SABS 0280)	
Overhead power lines for conditions prevailing in South Africa	
Ed 1.01 A4 50p EN	Gr 12
PDF 50p EN	29.240.20
Identifies the various factors to be taken into account in the design and construction overcoming certain of the difficulties that can be encountered. Am 1(National), 2001-05-04	on of overhead power lines, and indicates ways and means of
SANS 10280-1:2013 / NRS 041-1:2011	
Overhead power lines for conditions prevailing in South Africa Part 1: Safety	1
Ed 2.00 A4 60p EN	Gr 12
	29.240.20
Specifies mechanical and electrical safety requirements of overhead power lines in clearances and crossings.	ncluding requirements for supports, the conductor system,
SANS 10281:2003 (2008-04-04) (SABS 0281)	
Engine speed (S values), reference sound levels and permissible sound level	els of stationary road vehicles
Ed 1.01 A4 18p EN	Gr 7
Should be read in conjunction with SANS 10181. Contains the following information	17.140.30; 43.020 In regarding a road vehicle: the reference sound level, the
Am 1(National), 2003-12-05	ent officers to facilitate noise measurements.
SANS 10282:1997 (SABS 0282)	
Maintenance of helmet light assemblies	
Ed 1.00 A4 17p EN	Gr 8
PDF 1/p EN	73.100.20
Covers the maintenance of helmet light assemblies, including the routine of the lan assemblies, and the training of lamp-room personnel.	mp-room, the training of mine workers in the use of helmet light
SANS 10284:2006 / ISO 284:2003 (2012-06-29) Conveyor belts - Electrical conductivity - Specification and test method	
Ed 2.00 A4 11p EN PDF 11p EN	Gr 7 53.040.20
Specifies the maximum electrical resistance of a conveyor belt and the correspond	ding test method.
SANS 10285:2005 / ISO 10285:1992 Rolling bearings, linear motion, recirculating ball, sleeve type - Metric series	
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	21.100.20
Specifies the general boundary dimensions, tolerances and definitions for linear m series.	otion, recirculating-ball, sleeve-type rolling bearings of the metric

SANS 10286:1998 (SABS 0286) Mine residue

Ed 1.00 A4 127p EN PDF 127p EN Gr 19 73.020

Gr 23

13.220.10; 91.140.60

Covers the disposal of mine residue in residue deposits. This residue includes all waste that is produced by a mine and that is defined as waste in terms of the Minerals Act, 1991 (Act 50 of 1991). Slimes dams, tailings dams, rock dumps, slurry ponds and discards and similar deposits all fall within the scope of this standard.

SANS 10287:2000

(SABS 0287)

Automatic sprinkler installations for fire-fighting purposes

Ed 1.00 A4 251p EN Loose-leaf PDF 251p EN

Establishes general principles for the design, installation and maintenance of automatic sprinkler installations for fire-fighting purposes in buildings and industrial plants. Covers the classification of fire hazards, provision of water supplies, components to be used, installation of automatic sprinkler systems, testing of installations, maintenance and the extension of existing systems. Identifies construction details in buildings that are necessary for the satisfactory performance of sprinkler installations in terms of this standard. **Cor 1(National), 2001-08-01**

SANS 10289:2008 / ISO 10289:1999

Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates - Rating of test specimens and manufactured articles subjected to corrosion tests

Ed 1.00	A4 27p EN	Gr 10
	PDF 27p EN	25.220.20; 25.220.40; 25.220.99

Gives a method of evaluating the condition of decorative and protective metallic and inorganic coated panels or articles which have been exposed to corrosive environments for test or for other purposes and is applicable to test panels or components exposed to natural atmosphere, in mobile or static conditions, or subjected to accelerated tests.

SANS 10292:2001

Earthing of low-voltage (LV) distribution systems

Ed 1.01	A4 29p EN	Gr 9
	PDF 29p EN	29.240.20

Gives requirements and recommendations for the provision of a safe electricity supply to the consumer. Establishes general principles for the earthing of low-voltage distribution systems of which the supply starts at the point of generation or transformation and ends at the supply earth terminal of the consumer. Applies to a distributor that operates at a voltage (a.c. or d.c.) that does not exceed 1 000 V. **Am 1(National), 2001-08-23**

SANS 10293:1996	
(SABS 0293)	
Condition assessment of steel wire ropes on mine winders	
Ed 1.00 A4 26p EN	Gr 12
PDF 26p EN	53.020.30; 73.100.40

Establishes the principles for the condition monitoring and discard of all winding ropes used on mine winders. Covers discard criteria for winding ropes, techniques and procedures for rope condition assessment, equipment specifications and selection, training and certification of staff.

SANS 10294:2000

(SABS 0294)

The performance, operation, testing and maintenance of drum winders relating to rope safety

Ed	1.00	A4 49p EN
		PDF 49p EN

Addresses the performance, operation, testing and maintenance of drum winders relating to rope safety as stated in the Mine Health and Safety Act, 1996 (Act 29 of 1996), and is applicable to drum winders that operate in vertical shafts, excluding drum winders used for shaft sinking. Is aimed at preventing rope overloads and damage that can lead to the unexpected acceleration of rope deterioration.

Gr 12 73.100.40

SANS 10295-1:2003 (2008-11-14)

Suspend	led access equipment Part 1: Permar	nently suspended access equipment
Ed 1.00	A4 20p EN	Gr 8
	PDF 20p EN	53.020.99; 91.220

Specifies basic requirements for the inspection, testing, safe use and maintenance of building maintenance units (BMUs).

SANS 10295-2:2010

Suspend	ed access equipment Part 2:	Temporary suspended platforms (TSPs)	
Ed 1.01	A4 12p EN	G	ir 6
	PDF 12p EN	9.	1.220

Specifies basic requirements for the inspection, testing, safe use and maintenance of temporary suspended platforms (TSPs). Am 1(National), 2010-02-26

Standards South Africa Catalogue 2013

SANS 10296:2008 (SABS 0296) Hand signals used with cranes and with lifting and suspended equipment Ed 2.00 A4 21p EN PDF 21p EN	Gr 8 53.020.20
Covers requirements for hand signals to be used in operations of cranes (i.e. lifting in underground mining operations.	g operations). Does not cover requirements for hand signals used
SANS 10297:2012 (SABS 0297) The reconditioning of external LPG cylinder valves Ed 1.02 A4 11p EN PDF 11p EN Covers the reconditioning and testing of external LPG cylinder shut-off valves that	Gr 6 23.060.40 comply with SANS 199.
Am 1(National), 2006-12-01 Am 2(National), 2012-03-16	
SANS 10298:2009 (SABS 0298) Indirect small to medium-sized gas chlorination systems for the disinfection Ed 1.02 A4 33p EN PDF 33p EN	of water Gr 10 71.100.80
Gives recommendations in respect of the selection of equipment, installation practi installations. It gives recommendations for vacuum type systems with up to six cyli lays down procedures to be followed to minimize risks to the safety of persons and guidelines regarding medical treatment of persons exposed to chlorine are included Am 1(National), 2005-05-27 Am 2(National), 2009-08-28	ice and the maintenance of small to medium-sized chlorine gas nders or a single "ton" container of nominal capacity 1 000 kg. It I the environment in terms of exposure to chlorine. General d.
SANS 10299-0:2003 (2009-03-13) Development maintenance and management of groundwater resources Part	0: Glossary of terms
Ed 1.00 A4 5p EN PDF 5p EN	Gr 4
Covers the terms and definitions applicable to water boreholes.	01.040.10, 10.000.10
SANS 10299-1:2003 (2009-03-13) (SABS 0299-1)	
Development, maintenance and management of groundwater resources Part Ed 1.01 A4 8p EN PDF 8p EN	1: The location and siting of water boreholes Gr 6 13.060.10; 93.020
Covers requirements for the location and siting of water boreholes. Whenever a boborehole, the relevant clauses of this part of SANS 10299 shall apply. Am 1(National), 2003-09-12	rehole is considered for conversion to a water production
SANS 10299-2:2003 (2009-03-13)	O The design construction and diffine of how holes
Ed 1.00 A4 13p EN	Gr 6
PDF 13p EN	13.060.10; 93.020
Covers the requirements for the design, construction and drining of machine-drilled	i borenoies.
SANS 10299-4:2003 (2009-03-13) (SABS 0299-4)	
Development, maintenance and management of groundwater resources Part Ed 1.01 A4 17p EN	4: Test-pumping of water boreholes Gr 7
PDF 17p EN Covers requirements for the test-pumping of a water borehole in order to obtain inf	13.060.10; 23.080 ormation about its possible long-term pumping rate.
Am 1(National), 2003-09-12	
(SABS 0299-5) Development maintenance and management of groundwater resources Part	5. The design selection and performance of numping
equipment for production boreholes Ed 1.02 A4.15p EN	Gr 7
PDF 15p EN	13.060.10; 23.080
Covers the design, selection and performance of pumping equipment intended for intended for exploration, dewatering or monitoring purposes. Also does not cover the piping, distribution systems or storage facilities. For the selection of components for consult the appropriate part of SANS 1200. Am 1(National), 2002-03-15 Am 2(National), 2003-09-12	production boreholes. Does not cover equipment for boreholes he design, selection or performance of any surface delivery or major distribution systems it is recommended that designers

Standards South Africa Catalogue 2013

Covers the classification of stock re Am 1(National), 2012-08-17	emedies, with the exception of vaccines and antit	biotics, for sale and handlir
SANS 10305-1:2012 (SABS 0305-1)		
Painting of buildings Part 1: Pair	nt and paint selection	
Ed 1.02 A4 24p EN		Gr 9
PDF 24p EN		87.020; 87.040
Covers the functions of paint syste	ms and the choice of paint for specific conditions	5.
Am 1(National), 2005-11-21	Am 2(National), 2012-03-09	

13.060.10; 23.080

13.060.10; 93.020

Gr 6

Covers the installation and commissioning of pumping equipment intended for production boreholes. Does not cover equipment for boreholes intended for exploration, dewatering or monitoring purposes. Does not cover the installation or commissioning of any surface delivery piping, distribution systems or storage facilities. Am 1(National), 2003-09-12 Am 2(National), 2009-01-16

SANS 10299-7:2003 (2009-03-13)

SANS 10299-6:2009 (2009-03-13)

PDF 16p EN

equipment for production boreholes

(SABS 0299-6)

Ed 1.02 A4 16p EN

Development, maintenance and management of groundwater resources Part 7: The rehabilitation of water boreholes Ed 1.00 A4 4p EN Gr 3

PDF 4p EN

Specifies methods to be applied for the rehabilitation of water boreholes.

SANS 10299-8:2003 (2009-03-13)

Development, maintenance and management of g	roundwater resources Part 8: The management of water boreholes
Ed 1.00 A4 3p EN	Gr 3
PDF 3p EN	13.060.10
Covers the overall strategy requirements for the regul however, cover the requirements for the monitoring, in exploration or recharge.	ar monitoring, inspection and maintenance for water production purposes. Does not, nspection and general systems maintenance of boreholes drilled for the purpose of
SANS 10299-9:2003 (2009-03-13)	

Development, maintenance and management of groundwater resources Part 9: The decommissioning of water boreholes Gr 3

Ed 1.00	A4 4p EN	
	PDF 4p EN	

Specifies methods to be applied for the decommissioning of all types of water boreholes to protect groundwater resources.

SANS 10302:2008

Ed 1.01 A4 29p EN

(SABS 0302)

Tail lifts, mobile lifts and ramps associated with vehicles

PDF 29p EN 11.180; 53.020.99 Details design and safety recommendations and operating procedures for tail lifts mounted on vehicles associated with the lifting of goods or freight, and installation and inspection recommendations for mobile lifts and ramps that allow entry or exit of persons with or without wheelchairs, into and out of vehicles through a height not exceeding 1,7 m.

Am 1(National), 2008-02-15

(SABS 0304-1)

The clas	sification of pesticides and stock remedies for sale and handling in S	South Africa Part 1: The classification of pesticides
Ed 1.01	A4 100p EN	Gr 14
	PDF 100p EN	65.100.01

Covers the classification of pesticides for sale and handling in South Africa. Each pesticide has been allocated to one of five danger groups in accordance with the degree of its intrinsic toxic properties. The allocation is based on the World Health Organization (WHO) guidelines, as amended in accordance with South African requirements. Am 1(National), 2008-04-25

SANS 10304-2:2012

The classification of pesticides and stock remedies for sale and handling in South Africa Part 2: The classification of stock remedies Ed 1.01 A4 30p EN Gr 9

PDF 30p EN

Covers the classification of stock remedies. with the exception of Libiotion for a - 1 dling in South Africa. Am 1(National), 2012-0

Gr 9

13.060.10: 93.020

65.100.01

SANS 10305-2:2012 (SABS 0305-2) Painting of buildings Part 2: Paint application and defects	
Ed 1.02 A4 29p EN PDF 29p EN	Gr 9
Covers the preparation of surfaces before repainting and good practice in applying Am 1(National), 2005-11-21 Am 2(National), 2012-03-09	paint.
SANS 10305-3:2012 (SABS 0305-3)	
Painting of buildings Part 3: Paint types	
Ed 1.02 A4 18p EN PDF 18p EN	Gr 7 87.020; 87.040
Covers the constituents of paint and gives tables that describe different types of pa a variety of surfaces.	int, their general composition and characteristics, and usage for
Am 1(National), 2005-11-21 Am 2(National), 2012-03-02	
SANS 10305-4:2012 (SABS 0305-4)	
Painting of buildings Part 4: Painting of walls, ceilings and cladding	
Ed 1.02 A4 32p EN	Gr 10
	87.020
and the choice and application of paint to these surfaces. Am 1(National), 2005-11-21 Am 2(National), 2012-03-02	oncrete, brick and stone surfaces of walls, ceilings and cladding,
SANS 10305-5:2012	
Painting of buildings Part 5: Painting of roofs and steel structures	
Fd 1.02 A4 23n FN	Gr 9
PDF 23p EN	87.020
Covers the nature and preparation, before painting, of roofs and steel structures, the Am 1(National), 2005-11-21 Am 2(National), 2012-03-02	ne choice of paint for these surfaces and its application.
SANS 10305-6:2012 (SABS 0305-6)	
Painting of buildings Part 6: Painting of wood	
Ed 1.02 A4 24p EN PDF 24p EN	Gr 9 87 020
Covers the nature and preparation, for purposes of painting, of wood surfaces, and Am 1(National), 2005-11-21 Am 2(National), 2012-03-02	the choice and application of paint to such surfaces.
SANS 10306:2010	
The management of potable water in distribution systems	
Ed 1.01 A4 120p EN	Gr 15
PDF 120p EN	13.060.20; 93.025
Covers the management, administrative and operational functions required by wate distribution systems and to apply corrective actions to reduce and control unaccourt Am 1(National), 2010-11-05	er services authorities in order to account for potable water within nted-for water (UAW).
SANS 10307:2006 (2011-09-23) (SABS 0307)	
Cranes, lifting and suspended equipment - Support documentation and training	ing
Ed 1.01 A4 11p EN	Gr 6
PUF 11p EN	01.110; 53.020.20
Makes recommendations for the formulation of product support documentation and equipment. Covers requirements for operating documentation, maintenance docum Am 1(National), 2006-08-25	I training to be used with cranes, lifting and suspended nentation, and training.

SANS 10310:2005 (SABS 0310) The manufacture and reconditioning of replacement brake lining assemblies Ed 1.01 A4 15p EN PDF 15p EN	Gr 7 43.040.40	
Covers the manufacture and reconditioning of replacement brake lining assemblies public road. Am 1(National), 2005-07-15	s for motor vehicles and their trailers, intended for use on a	
SANS 10313:2012 (SABS 0313) Protection against lightning - Physical damage to structures and life hazard Ed 3.02 A4 16p EN PDF 16p EN	Gr 7 91.120.40	
Provides requirements for protection of a structure against physical damage by me against injury to living beings due to touch and step voltages in the vicinity of an LF with explosive or flammable substances. Makes provision for the issuing of a Light protection system maintenance certificate. Am 1(National), 2010-03-31 Am 2(National), 2012-12-14	eans of a lightning protection system (LPS), and for protection PS, with the inclusion of thatched roof structures and buildings ning protection system installation safety report and a Lightning	
SANS 10316:2009		
(SABS 0316) Aircraft ground support - Vehicle-mounted loading equipment		
Ed 1.02 A4 29p EN	Gr 9	
PDF 29p EN	49.100; 53.020.01	
Specifies the basic requirements applicable to aircraft ground support equipment B). Included in this standard are requirements for conveyor systems, guides, stops (fork-lift trucks), pallet built-up hoists or other device-handling equipment. Am 1(National), 2005-11-10 Am 2(National), 2009-09-11	as laid down in Code of Practice No. 29 of Transnet (see annex and restrained hardware that are used on trucks, transporters	
SANS 10317:2004 (SABS 0317) Instructions for the use of consumer products - Electrical appliances		
Ed 1.01 A4 26p EN	Gr 9	
Establishes the principles of, and gives recommendations on the design and formus specific reference to electrical appliances. It is intended for committees preparing a manufacturers, technical writers or other people engaged in the work of conceiving Am 1(National), 2004-08-20	U1.110; 97.020 ulation of instructions for, the use of consumer products with standards for consumer products, product designers, and drafting such instructions.	
SANS 10318:2013 / ISO 10318:2005 Geosynthetics - Terms and definitions		
Ed 1.00 A4 41p EN	Gr 12	
	01.040.59; 59.080.70	
Defines terms related to functions, products, properties and other terms, as well as symbols applying to geosynthetics.		
SANS 10319:2006 (2012-10-05) (SABS 0319)		
The registration of manufacturers, importers and builders of categories M, N	, O and L motor vehicles and agricultural tractors	
Ed 1.01 A4 6p EN PDF 6p EN	Gr 4 43.020	
Covers the minimum requirements for the registration of manufacturers, importers and agricultural tractors and of their components, to ensure compliance with the re practice in force in the Republic of South Africa, and to ensure that such manufact comply.	or builders (MIB) of motor vehicles of categories M, N, O and L elevant legislation and standards, specifications and codes of ured, imported or built vehicles or components continue to	
Am 1(National), 2006-03-09		
SANS 10320:2004 South African guide to the systematic evaluation of coal resources and coal	reserves	
Ed 1.00 A4 141p EN PDF 141p EN	Gr 16	
Provides a detailed framework for reporting on coal resources and coal reserves for Inventory.	or the purposes of the Securities Exchange and the National Coal	

SANS 10322:2005 (2010-06-17) (SABS 0322) Surface finishing of architectural aluminium	
Ed 2.00 A4 25p EN PDF 25p EN	Gr 9 25 220 01
Gives the selection and maintenance of surface finishes on exterior architectural a installers, building owners and maintenance staff. Covers four types of surface finit coil coatings.	luminium. Is intended as a guide for specifiers, designers, sh, i.e. mill finishes, anodizing, thermoset powder coatings and
SANS 10324:2007 (2012-05-25) (SABS 0324)	
Inspection and supplemental treatment of treated wood utility poles	Or 0
PDF 19p EN	79.020
Gives guidance on the field inspection of in-service poles used for power distribution damage to the poles by physical factors or biological factors (or both), and on the serviceability of utility poles. Am 1(National), 2007-06-08	on lines, telephone systems or street lighting, to determine supplemental treatment that can be used to prolong the
SANS 10325-1:2007 (SABS 0325-1)	
The safe application of detonator systems for use in mining and civil blasting	g applications Part 1: Electronic detonator systems
Ed 1.01 A4 14p EN PDF 14p EN	Gr 6 71.100.30
Covers the operation, use and testing of electronic delay detonator systems. Partic associated with the application of such systems. Also includes training requirement the use of equipment and after modifications to equipment.	cular reference is made to the hazards, natural or otherwise, its of authorized persons, and the approval of procedures before
(SANS 10325-2:2007 (SABS 0325-2) The safe application of detonator systems for use in mining and civil blasting	g applications Part 2: Electric detonator systems - Shot
Ed 101 A4 11p EN	Gr 6
PDF 11p EN	29.260.20; 71.100.30
Covers the operation, application and testing of conventional shot exploders used described in SANS 1717-2. Refers to hazards, natural or otherwise, associated wit requirements of operators and the approval of procedures to be followed before the Am 1(National) , 2007-08-03	in conjunction with electric detonators, particularly those h the application of electric detonator systems. Includes training e use of shot exploders.
SANS 10326:2008	
(SABS 0326)	
Structural bearings - The design of bridge bearings	
Ed 1.01 A4 43p EN PDF 43p EN	Gr 11 21 100 01: 93 040
Gives recommendations for the design and performance of the most common type	es of bridge bearings.
Am 1(National), 2008-08-15	
SANS 10328:2008 (SABS 0328)	
Methods for environmental noise impact assessments	0- 10
PDF 32p EN	17.140.01
Covers procedures for environmental noise impact investigations and assessment	S.
SANS 10329:2012 (SABS 0329) The design and construction of sectional steel tanks for storage of liquids at	or above ground level
Ed 1.03 A4 16p EN PDE 16p EN	Gr 7
Contains provisions for sectional staal tanks with as without source. for the starses	23.020.10
Am 1(National), 2004-05-21Am 2(National), 2010-05-21	Am 3(National), 2012-06-15

SANS 10330:2007	
(SABS 0330)	
Requirements for a Hazard Analysis and Critical Control Point ((HACCP) system
Ed 2.01 A4 23p EN	Gr 9
PDF 25p EN	03.120.10; 67.020
Contains the requirements for the development, implementation and safety of food.	d maintenance of an HACCP system as a preventative system to enhance the
Am 1(National), 2007-07-13	
SANS 10331-2000	
(SABS 0331)	
Translocation of certain species of wild herbivore	
Ed 1.00 A4.52n EN	Gr 12
PDF 52p EN	13 020 40: 65 020 99
Covers concerts of the translagation, such as the conture, transports	tion temperature accommodation and release of wild berbivered such as
antelope, elephant, rhino, hippo, giraffe and zebra	alion, temporary accommodation and release, of wild herdivores, such as
SANS 10333-1:2006	
(SABS 0333-1)	
Industrial rope access Part 1: Worksite procedures	
Ed 1.01 A4 27p EN	Gr 9
PDF 27p EN	13.100; 13.340.99
Describes the operational procedures and methods to be observed describes the duties and responsibilities placed on employers and e	by personnel using industrial rope access techniques and equipment, also mployees (including self-employed persons) who use these techniques.
Am 1(National), 2006-09-22	
SANS 10333-3-2006	
(SABS 0333-3)	
Industrial rope access Part 3: Inspection, certification and man	agement procedures for equipment
Ed 1 01 A4 14p EN	Gr 6
PDF 14p EN	13 100 13 340 99
Describes and states to be followed in and other second that so increase	
Describes procedures to be followed in order to ensure that equipminspected, marked and maintained	ent used for industrial rope access work is correctly identified, certified,
Am 1(National), 2006-09-15	
SANS 10335:1999	
(SABS 0335)	
The installation, maintenance and safe use of overhead monora	ail transport systems for underground use
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	03.220.30; 93.100
Gives guidance on the safety aspects relevant to the installation, maincluding all curves, switches, transfer devices, traction units, lift and	aintenance and use of underground mine, suspended monorail systems d drop sections, and associated equipment.
SANS 10338:2009 (SABS 0338)	
Homologation of respiratory equipment	
Ed 1 01 A4 24p EN	Gr 9
PDF 24p EN	13 340 30
Covers general provisions for homologation of respiratory equipmer body through the respiratory system and against oxygen-deficient er Am 1(National), 2009-02-13	t for the protection of the body against harmful substances that might enter the nvironments.
(
SANS 10339:2009 (SABS 0339)	
Underground rail trackwork in mines	
Ed 2.01 A4 28p EN	Gr 9
PDF 28p EN	93.100
One was the two descents and the large second second second large second	

Covers the track systems currently in general use underground in mines and specifies the requirements for the maintenance and safe use of underground and associated shaft head track systems.

Am 1(National), 2009-10-23

SANS 10340-1:2006 (2012-09-21) (SABS 0340-1) Installation of telecommunication cables Part 1: Fibre optic cable in buildings	5
Ed 1.01 A4 15p EN PDF 15p EN	Gr 7 33,180.01
Addresses installation requirements, primarily for indoor cabling, but also for cample cable that serves to transmit voice, video and data telecommunication. Am 1(National), 2006-02-03	us-wide inter-building cabling, for high performance fibre optic
SANS 10340-2:2006 (2012-09-21) Installation of telecommunication cables Part 2: Outdoor fibre optic cables	C A
PDF 19p EN	33.180.10
Addresses installation requirements for outdoor optical fibre cables.	
SANS 10341:2009 (SABS 0341) Installation and maintenance of bearings - General guidelines Ed 1.02 A4 47p EN	Gr 11
PDF 47p EN	21.100.01
Gives guidelines for the installation and maintenance of the most common types of and also suitable methods of storage and handling bearings. Am 1(National), 2003-10-31 Am 2(National), 2009-08-07	roller bearing. Recommends the tools and lubricants to be used
SANS 10343:2003 (SABS 0343) Verification of non-automatic electronic self-indicating road vehicle mass me Ed 1.01 A4 11p EN	asuring equipment for use by road traffic authorities Gr 6
PDF 11p EN	17.060; 43.020
Specifies requirements for the verification of non-automatic (static mass measurem equipment for use by road traffic authorities. Am 1(National), 2003-12-05	nent) electronic self-indicating road vehicle mass measuring
SANS 10346:2007 (SABS 0346) Complaints handling	
Ed 1.01 A4 15p EN	Gr 7
Sets out the essential elements of the management of complaints, from inception t the complaint, and also provides guidelines for suppliers on the implementation of a Am 1(National), 2007-04-20	03.080.30 o resolution or final determination, irrespective of the nature of a complaints handling process.
SANS 10347:2002 (SABS 0347)	
Avoidance of hazards underground in collieries due to lightning	
Ed 1.00 A4 12p EN PDF 12p EN	Gr 7
Is intended to assist in the elimination of risks from lightning in underground collieri	es.
SANS 10349:2004 (2010-11-19) Fibre-reinforced plastics (FRP) composites - Glossary of technical terms	
Ed 1.00 A4 102p EN	Gr 15
PDF 102p EN	01.040.83; 83.080.10
Gives terminology used by raw material suppliers, fabricators, manufacturers and c composites industries. While this glossary may prove useful to students and specif definitions that may be required by the designers of equipment made of polymeric a	converters in the fibre-reinforced plastics and polymeric iers of non-metallic materials, it does not supply technical and composite materials.
SANS 10353:2009 Small arms shooting ranges	
Ed 1.01 A4 24p EN	Gr 9
PDF 24p EN	91.040.10; 97.220.01
Covers general requirements for the planning, construction and operation of indoor Am 1(National), 2009-10-30	and outdoor shooting ranges.

Standards South Africa Catalogue 2013 NUM - 502

SANS 10354:2007 (SABS 0354) The safe application of underground railway driven and non-driven wheel se	ts
Ed 2.00 A4 18p EN PDF 18p EN	Gr 7 45.060.01
Specifies the technical aspects relating to the design, construction, installation, manon-driven wheel sets and associated equipment. Is applicable to wheel sets used found on the surface servicing the shaft itself.	aintenance and safe usage of underground railway driven and d on underground railway tracks, and shall not exclude tracks
SANS 10356:2005 (2011-01-21) (SABS 0356)	
The repair of heavy-duty tubeless and multi-piece steel wheels for off-road v	ehicles
Ed 1.01 A4 11p EN	Gr 6
PDF 11p EN	43.040.50
Covers the requirements for the repair of heavy-duty tubeless and multi-piece steer requirements for wheel repair workshops and operational requirements for the rep Am 1(National), 2005-08-05	el wheels intended for off-road vehicles, including the air.
SANS 10357:2004 (2012-09-21) (SABS 0357)	
The calculation of sound propagation by the Concawe method	
Ed 1.02 A4 27p EN	Gr 9
PDF 27p EN	17.140.01
Covers a method of calculating the propagation of sound over distances of up to to to topographical conditions.	wo kilometres, under a variety of meteorological and
Cor 1(National), 2000-09-19 Am 1(National), 2004-08-06	
SANS 10359-1:2002 / ISO 10359-1:1992 (2008-02-22) Water quality - Determination of fluoride Part 1: Electrochemical probe meth	od for potable and lightly polluted water
Ed 1.00 A4 10p EN PDF 10p EN	Gr 6 13.060.50
Specifies a method for the determination of dissolved fluoride in fresh, potable and electrochemical technique.	d low contaminated water, and some surface waters, using an
SANS 10359-2:2005 / ISO 10359-2:1994 (2011-10-28) Water quality - Determination of fluoride Part 2: Determination of inorganical	lly bound total fluoride after digestion and distillation
Ed 1.00 A4 12p EN PDF 12p EN	Gr 7 13.060.50
Specifies a method for the determination of inorganically bound total fluoride. The contaminated inorganically, with a fluoride ion concentration of more than 0,2 mg/l	method is applicable to wastewaters which are highly
SANS 10361:2000 / ISO 10361:2000 (2010-02-12) (SABS ISO/TB 10361)	
Textile floor coverings - Production of changes in appearance by means of V	/ettermann drum and hexapod tumbler testers
PDF 16p EN	59.080.60
Describes procedures for using the Vettermann drum tester and the hexapod turn surface structure and colour produced by mechanical agencies.	bler tester to produce changes in appearance due to changes in
SANS 10366:2012 Health and safety at events - Requirements	
Ed 2.01 A4 121n EN	Gr 15
PDF 121p EN	13.100; 13.200
Specifies minimum requirements for the planning, organizing and staging of event Am 1(National), 2012-03-30	s by an event organizer, whether an individual or an organization.
SANS 10368:2007	
Transport of low-hazard goods in bulk - Emergency information for road veh	icles
Ed 1.01 A4 12p EN	Gr 6
PDF 12p EN	13.300
Covers the requirements for the placarding of, and documentation for, road tanker exceed 3 500 kg GVM and that transport liquids, powders and granular solids that Information on the placards and documents is intended for the use of emergency s environmental or road user hazard in the short term.	s, vehicles carrying portable tanks, and other vehicles that are not classified as dangerous goods in terms of SABS 0228. services when there are large spills that could present an

Am 1(National), 2007-11-02

SANS 10369:2007	
Non-destructive examination and testing of steel wire rope	
Ed 1.01 A4 17p EN	Gr 7
PDF 17p EN	77.040.20; 77.140.65
Specifies the requirements for the non-destructive examination of wire rope, Covers the general requirements and use of non-destructive examination (NI Am 1(National), 2007-05-18	taking into account the different types of rope and their functions. DE) equipment in the examination of all types of steel wire rope.
SANS 10370:2008 (SABS 0370)	
Road vehicles designed or adapted for use by or transporting persons w	with disabilities
Ed 1.01 A4 32p EN	Gr 10
PDF 32p EN	11.180; 43.160
Covers the requirements for vehicles used on public roads that are designed with disabilities, including wheelchair users. Am 1(National), 2008-04-04	and manufactured or adapted for use by, or for transporting persons
SANS 10371:2005 Terms and definitions for clothing	
Ed 1.00 A4 57p EN	Gr 12
PDF 57p EN	01.040.59
Provides a list of general terms used in clothing standards prepared by Stand that means the same)where available, the context, a definition and a drawing manufacturers.	dards South Africa. Each term is followed by a synonym (term or word I. It is a bridging standard that is intended to be used by uniform
SANS 10372:2010	
Automotive fitment centres	
Ed 2.00 A4 9p EN	Gr 5
PDF 9p EN	43.180
Specifies the provisions for automotive fitment centres, excluding service and conditioning. Also specifies the site conditions and operational methods unifor ensure that a high level of customer satisfaction is maintained. Applies to fixe applicable.	d repair fitment centres for the maintenance of automotive air- ormly applied in all franchised and independent fitment centres to ed workshops where the use of mobile service facilities could be
SANS 10373-1:2007 / ISO/IEC 10373-1:2006 (2011-12-15)	
Identification cards - Test methods Part 1: General characteristics	
Ed 2.00 A4 28p EN	Gr 10
PDF 28p EN	35.240.15
Specifies the non-technology-specific test methods required to establish cont for which the fundamental properties are defined in ISO/IEC 7810. (ISO/IEC designation SANS 7810).	formance of identification cards to the base (requirements) standards, 7810 is published in South Africa as an identical adoption under the
SANS 10373-2:2007 / ISO/IEC 10373-2:2006 (2011-12-01)	
Identification cards - Test methods Part 2: Cards with magnetic stripes	
Ed 2.00 A4 33p EN	Gr 11
гиг зэр ем	35.240.15
Defines test methods for the magnetic recording characteristics of identificati	on cards according to the definitions given in base standards ISO/IEC

7811-2, ISO/IEC 7811-6 and ISO/IEC 7811-7. (ISO/IEC 7811-2, ISO/IEC 7811-6 and ISO/IEC 7811-7 are published in South Africa as identical adoptions under the designation SANS 7811-2, SANS 7811-6 and SANS 7811-7, respectively). Cor 1(International), 2011-12-01

SANS 10373-3:2012 / ISO/IEC 10373-3:2010 Identification cards - Test methods Part 3: Integrated circuit cards with contacts and related interface devices

Ed 2.00 A4 62p EN PDF 62p EN

Defines test methods for characteristics of integrated circuit cards with contacts and related interface devices. Each test method is crossreferenced to one or more base standards.

Gr 14 35.240.15

SANS 10373-5:2007 / ISO/IEC 10373-5:2006 (2011-12-15)

Identification cards - Test methods - Part 5: Optical memory cards

Ed 2.00 A4 16p EN

Gr 8 PDF 16p EN 35.240.15 Defines test methods for characteristics of identification cards as defined in ISO/IEC 7810. Each test method is cross-referenced to one or more base standards, which may be ISO/IEC 7810 or one or more of the supplementary standards that define the information storage technologies employed in identification cards applications. (ISO/IEC 7810 is published in South Africa as an identical adoption under the designation SANS 7810). Criteria for acceptability do not form part of ISO/IEC 10373 but will be found in ISO/IEC 7810. Test methods defined in ISO/IEC 10373 are

intended to be performed separately. A given card is not required to pass through all the tests sequentially. ISO/IEC 10373-1 deals with test methods which are common to one or more card technologies and other parts deal with other technology-specific tests. ISO/IEC 10373-5 deals with test methods which are specific to optical memory card technology. (ISO/IEC 10373-1 and ISO/IEC 10373-5 are published in South Africa as identical adoptions under the designations SANS 10373-1 and SANS 10373-5, respectively).

SANS 10373-6:2012 / ISO/IEC 10373-6:2011 Identification cards - Test methods Part 6: Proximity cards

Ed 2.00	A4 206p EN	Gr 20
	PDF 206p EN	35.240.15

Defines test methods for characteristics of identification cards. Each test method is cross-referenced to one or more base standards.

SANS 10373-7:2009 / ISO/IEC 10373-7:2008

dentification cards - Test methods - Part 7: Vicinity cards		
Ed 2.00	A4 30p EN	Gr 10
	PDF 30p EN	35.240.15

Deals with test methods, which are specific to contactless integrated circuit card technology. Applies exclusively to vicinity cards defined in SANS 15693-1 and SANS 15693-2 unless otherwise specified.

SANS 10375:2006

The inspection, testing and examination of overhead cranes		
Ed 1.00	A4 12p EN	Gr 6
	PDF 12p EN	53.020.20

Covers provisions for the inspection, testing and examination of overhead cranes in use.

SANS 10377-1-2010

(SABS 0377-1) Pressure vessels for human occupancy Part 1: Hyperbaric chambers (therapeutic) Ed 1.02 A4 45p EN Gr 11 PDF 45p EN 11.040.60; 23.020.30

Gives guidance on the safe application, maintenance and operation of hyperbaric chambers for therapeutic use. Am 2(National), 2010-08-13

Am 1(National), 2006-10-27

General requirements for the competence of verification laboratories

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Ed 2.00	A4 26p EN		Gr 9
	PDF 26p EN		03.120.20; 71.040.10

Specifies the general requirements for the competence of laboratories to carry out the verification of measuring instruments. It applies to all organizations that perform verification of measuring instruments, and to all verification laboratories, regardless of the number of personnel or the extent of the scope of the verification activities.

SANS 10379:2005

Zoo and aquarium practice

Ed 1.00	A4 40p EN	Gr 10
	PDF 40p EN	65.020.30

Specifies provisions for the management and operation of all zoos and aquariums, including reptile parks, crocodile farms, lion parks, bird parks, insectariums and any combination of these. It includes provisions for management systems, the husbandry and welfare of animals, conservation and research practices, and educational and recreational aspects.

SANS 10380:2003

Procedures for sampling vegetation according to scale	
Ed 1.00 A4 29p EN	Gr 9
PDF 29p EN	13.020.30

Details methods for sampling or resampling natural vegetation, according to scale, which can be used for sustainable utilization and improved renewable vegetation resource quality

SANS 10383-1:2003 (2013-02-01)

Railway	carriages for transporting persons with specia	I needs Part 1: Commuter carriages
Ed 1.00	A4 11p EN	Gr 6
	PDF 11p EN	11.180.10; 45.080

Covers the requirements for commuter carriages for transporting persons with special needs.

Standards South Africa Catalogue 2013

SANS 10383-2:2006 (2013-02-01)	
Railway carriages for transporting persons with special needs Part 2: Long-o	distance carriages
PDF 9p EN	11.180.10; 45.080
Covers the requirements for long-distance railway carriages for transporting perso	ns with special needs.
SANS 10385-1:2005 (2012-04-26) Requirements for the implementation of an identity preservation system (IP s handling and transportation of non-genetically modified unprocessed agricu	system) Part 1: IP system for the production, storage, Itural products
PDF 11p EN	07.080
Specifies the requirements for an identity preservation system for the production o including grains, fruit and vegetables. The system is based on segregated handling means of documented evidence.	f non-genetically modified unprocessed agricultural products, g and production techniques, and the substantiation thereof by
SANS 10385-2:2007 Requirements for the implementation of an identity preservation system (IP s manufacturing industry	system) Part 2: IP system for the processing and
Ed 1.00 A4 12p EN PDE 12p EN	Gr 6
Provides requirements for processors and manufacturers of food and food ingredie (non-GM) foodstuffs.	ents, which will enable them to produce non-genetically modified
SANS 10385-3:2007 Requirements for the implementation of an identity preservation system (IP s Ed 1.00 A4 10p EN	system) Part 3: Sampling and testing protocols Gr 5
	07.080
determination of the presence of genetically modified organisms (GMO) derived in	oducts and the testing protocols for quantitative and qualitative gredients or material.
SANS 10386:2008 The care and use of animals for scientific purposes	
Ed 1.00 A4 233p EN PDF 233p EN	Gr 19
Encompasses all aspects of the care and use of, or interaction with, animals for so other animal sciences, as well as industry and teaching studies in South Africa. It testing, diagnosis, the production of biological substances and environmental stud	cientific purposes in medicine, biology, agriculture, veterinary and includes animal use in research, teaching, field trials, product ies.
SANS 10388:2008 The inspection, examination and testing of lift trucks	
Ed 1.00 A4 18p EN	Gr 7
PDF 18p EN	43.100; 53.020.20
Covers provisions for the inspection, examination and testing of all lift trucks in ser	vice. Excludes the maintenance of these trucks.
SANS 10389-1:2003 (2008-04-04) Exterior lighting Part 1: Artificial lighting of exterior areas for work and safet	у
Ed 1.00 A4 32p EN	Gr 10
Covers requirements for good lighting and gives recommended good practices for storage areas and where the safety of the movement of the public is of prime important	91.160.20 the lighting of outdoor areas where work is performed, for prance
SANS 10389-2:2007 (2012-08-03) Exterior lighting Part 2: Exterior security lighting	
Ed 1.01 A4 44p EN	Gr 11
PDF 44p EN	13.310; 91.160.20
Am 1(National), 2007-02-09	
SANS 10389-3:2004 / CIE 150:2003 (2010-03-05) Exterior lighting Part 3: Guide on the limitation of the effects of obtrusive lig	ht from outdoor lighting installations
PDF 44p EN	91.160.20
Sets out guidelines for assessing the environmental impacts of outdoor lighting an contain the obtrusive effects of outdoor lighting within tolerable levels. The guidance some advice is also provided on remedial measures which may be taken for existing effects of outdoor lighting on nearby residents (e.g. of dwellings such as houses, hip pedestrians, cyclists), sightseers and transport signalling systems (e.g. air, marine the set of the	d gives recommended limits for relevant lighting parameters to ce given is primarily applicable to new installations; however, ng installations. Specifically refers to the potentially adverse notels, hospitals), users of adjacent roads (e.g. vehicle drivers, e, rail), and on astronomical observations.

Standards South Africa Catalogue 2013 NUM - 507

The welfare of wild animals transported by sea	
Ed 1.01 A4 15p EN PDF 15p EN	Gr 7 65.020.30
Specifies requirements to ensure the welfare of wild animals transported by sea. Am 1(National), 2012-05-18	
SANS 10393:2008 Hair care products - General requirements	
Ed 1.00 A4 14p EN PDF 14p EN	Gr 6 71.100.70
Specifies the requirements for the marketing, labelling, advertising and selling of a these products.	Il hair care products. It also specifies the safety and efficacy of
SANS 10396:2003 (2012-07-06)	
Implementing preferential construction procurement policies using targeted	procurement procedures
Ed 1.00 A4 120p EN	Gr 15
	91.010.01; 91.010.30
Sets principles when formulating preferential procurement policies regarding target within which access to these markets can be provided, goals can be set, monitored procurement procedures can be activated on the design and implementation of pro-	ted enterprises and targeted labour. Establishes a framework d and evaluated. Provides guidance as to how targeted ogrammes.
SANS 10397:2003 (2010-03-31) Environmental considerations for the planning and management of telecomm	nunication structures
Ed 1.00 A4 45p EN	Gr 11
PDF 45p EN	13.020.30; 33.060.20
Provides overall guidelines for the environmental site selection process for telecom selection process, with an emphasis on minimizing environmental impact by choose The ultimate aim is therefore to assist applicants of telecommunication structures to process for these sites, whilst maintaining high environmental standards.	nmunication structures. These guidelines consider the initial site sing the most environmentally acceptable site from the outset. to speed up the environmental impact assessment authorization
SANS 10398:2010	
Cosmetic cellulite products	
Ed 1.00 A4 4p EN	Gr 3
PDI 4p EN	71.080.40; 71.100.70
Specifies guidelines for the advertising and for the labelling claims of cosmetic cell equipment.	ulite products. It does not include body wraps and electronic
SANS 10399:2012 Quality management systems - Requirements for bus operators	
Ed 1.01 A4 19p EN	Gr 8
PDF 19p EN	03.120.10; 43.080.20
Defines requirements of a quality management system for bus operators by descrit that meets customer and interested party expectations. Does not replace SANS 10 roadworthiness of the vehicle(s), or any legislation applicable to the transportation Am 1(National), 2012-03-16	bing the management processes needed to produce a product 0047, which covers the examination and testing for of passengers.
SANS 10400 (ALL PARTS) CD:2011 (SABS 0400 (ALL PARTS))	
The application of the National Building Regulations	

SANS 10400:1990 (SABS 0400) The application of the National Building Regulations

Ed 2.00 A4 225p EN Loose-leaf, binder included PDF 225p EN

Covers provisions for building site operations and building design and construction that are deemed to satisfy the provisions of the national building regulations. In certain cases, commentry and illustrations to amplify and explain the application of the deemed-to-satisfy rules are included. Information on standardization of the application of the regulations is contained in a commentary to Part A of the regulations. Cor 1(National), 1996-05-22 Err 1(National), 1990-08-01

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Ed 3.00 CDROM EN

Gr 42

13.220.01; 91.040.01

SANS II	J393.2008
Hair car	e products - General requirements
Ed 1.00	A4 14p EN

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Impleme	enting preferential construction procurement policie
Ed 1.00	A4 120p EN

SANS 10391:2012

Gr 0

13.220.01; 91.040.01

SANS 10400 (ALL PARTS) A4:2011	
(SABS 0400 (ALL PARTS))	
The application of the National Building Regulations	
Ed 3.00 A4 EN	Gr 41
	13.220.01; 91.040.01
SANS 10400-A-2010	
The application of the National Building Regulations Part A: General pring	ciples and requirements
Fd 3.00 A4.87p FN	Gr 9
PDF 87p EN	91.040.01
Establishes the overall framework within which the National Building Regulation satisfy requirements for the different parts of the Regulations and provides the	are to be applied. It also identifies the location of deemed-to- forms required to administer the Regulations.
SANS 10400-B:2012	
The application of the National Building Regulations Part B: Structural de	sign
Ed 3.00 A4 36p EN	Gr 9
PDF 36p EN	91.040.01
Establishes the representative actions and impacts applied to building element representative actions and impacts. Also establishes requirements for rational buildings on dolomite land.	s and structural elements, and their structural response to these designs and rational assessments, Agrément certification and
SANS 10400-C:2010	
The application of the National Building Regulations Part C: Dimensions	
Ed 3.00 A4 11p EN	Gr 9
FOFTIPEN	91.040.01
Establishes requirements for plan dimensions, room heights and overall floor a	reas.
SANS 10400-D:2011 The application of the National Building Regulations Part D: Public safety Ed. 3.00 A4.8p EN	Gr 9
PDF 8p EN	91.040.01
Establishes requirements for safety provisions at changes in level, in the desig pools and swimming baths.	n of ramps and driveways, and in access provided to swimming
SANS 10400-F:2010	
The application of the National Building Regulations Part F: Site operation	ns
Ed 3.00 A4 12p EN	Gr 9
PDF 12p EN	91.040.01
Establishes requirements for site sanitary facilities and protection from subterra	anean termite activity.
SANS 10400-G:2011	
The application of the National Building Regulations Part G: Excavations	
Ed 3.00 A4 9p EN	Gr 9
PDF ⁹ p EN	91.040.01
Establishes requirements for temporary excavations, permanent excavations, a	and blasting.
SANS 10400-H:2012 The application of the National Building Regulations Part H: Foundations	
Ed 3.00 A4 58p EN	Gr 9
PDF 58p EN	91.040.01
Establishes the representative actions and impacts applied to foundations, and Buildings that comply with the requirements of this part of SANS 10400 will als established in SANS 10400-B. It contains simple design and construction require accommodate a relatively small range of ground movements.	the response of structural elements to ground movements. o comply with the structural design performance parameters rements for foundations for certain masonry buildings to
SANS 10400-J:2010	
The application of the National Building Regulations Part J: Floors	
Ed 3.00 A4 14p EN	Gr 9
PDF 14p EN	91.040.01

Provides deemed-to-satisfy requirements which enable floors to perform in accordance with the structural design performance parameters established in SANS 10400-B, have a fire resistance in accordance with SANS 10400-T, and comply with floor-specific requirements relating to ventilation, water resistance and moisture penetration.

> Standards South Africa Catalogue 2013 NUM - 508

91.040.01

SANS 10400-K:2011 The application of the National Building Regulations Part K: Walls	
Ed 3.00 A4 94p EN PDF 94p EN	Gr 9
Establishes deemed-to-satisfy solutions for rain penetration and damp-proofing an masonry walls in single-storey and double-storey buildings and framed buildings th masonry free-standing boundary, garden and retaining walls.	d contains simple design and construction provisions for hat do not exceed four storeys; masonry balustrade walls and
SANS 10400-L:2011 The application of the National Building Regulations Part L: Roofs	
Ed 3.00 A4 56p EN PDF 56p EN	Gr 9 91.040.01
Establishes requirements for roof coverings and waterproofing systems, and drain construction requirements for timber trusses, purlin rafters and rafters that have cle commonly used roof coverings.	age and waterproofing of flat roofs. It contains simple design and ear spans that do not exceed 8,0 m, for use with a range of
SANS 10400-M:2011 The application of the National Building Regulations Part M: Stairways	
Ed 3.00 A4 12p EN	Gr 9
PDF 12p EN	91.040.01
Establishes requirements for stairway dimensions and for the prevention of falling. composite concrete lintel and masonry stairways and timber stairways in domestic	Also provides simple design and construction requirements for residences and dwelling houses.
SANS 10400-N:2012 The application of the National Building Regulations Part N: Glazing	
Ed 3.01 A4 15p EN	Gr 9
PDF 15p EN	91.040.01
Establishes requirements for glazing and safety glazing. Also provides simple desi polycarbonate panels in buildings less than 10 m high, and in shower doors. Am 1(National), 2012-03-02	gn and construction requirements for vertical glass and
SANS 10400-O:2011	
The application of the National Building Regulations Part O: Lighting and ver	ntilation
PDF 24p EN	91.040.01
Establishes requirements for natural and artificial lighting, and natural and artificial	ventilation.
SANS 10400-P:2010	
The application of the National Building Regulations Part P: Drainage	
Ed 3.00 A4 61p EN	Gr 9
Establishes requirements for drainage and contains simple design and constructio	91.040.01 n requirements for drainage installations including stack
systems, conservancy tanks, septic tanks, french drains and grease interceptors.	
SANS 10400-Q:2011 The application of the National Building Regulations Part Q: Non-water bern	a magna of conitary dianocal
Ed 3.00 A4 18p EN	Gr 9
PDF 18p EN	91.040.01
Establishes requirements for non-water-borne means of sanitary disposal and providemical toilets and ventilated improved pit toilets.	vides simple design and construction requirements for closets,
SANS 10400-R:2012	
Ed 3.00 A4 9p EN	Gr 9
PDF 9p EN	91.040.01
Provides deemed-to-satisfy requirements for compliance with Part R (stormwater of	disposal) of the National Building Regulations.
SANS 10400-S:2011	
The application of the National Building Regulations Part S: Facilities for per	sons with disabilities
Ed 3.00 A4 47p EN PDF 47p EN	Gr 9 91 040 01
Establishes requirements for external and internal circulation routes, including doo facilities auditoriums and balls obstructions in the path of travel, parking and indic	rs and doorways, ramps, stairways, handrails, lifts, toilet
raomico, auditoriumo and nano, obstructiono in the path of travel, parking and mult	

Establishes requirements for flue pipes, chimneys, and hearths and fireplaces.	
SANS 10400-W:2011	
The application of the National Building Regulations Part W: Fire installation	
Ed 3.00 A4 14p EN	Gr 9
PDF 14p EN	91.040.01
Establishes requirements for communication pipes, water meters, isolating valves	and the design of fire installations.
SANS 10400-XA:2011	
The application of the National Building Regulations Part X: Environmental s	ustainability Part XA: Energy usage in buildings
Ed 1.00 A4 14p EN	Gr 9
PDF 14p EN	91.040.01
Covers the deemed-to-satisfy requirements for compliance with Part XA (Energy U	sage in Buildings) of the National Building Regulations.
SANS 10403:2003 (2011-12-01)	
Formatting and compilation of construction procurement documents	
Ed 1.00 A4 44p EN	Gr 11
PDF 44p EN	01.110; 91.010.30
Establishes a format for the compilation of procurement documents for civil engine the procurement documents.	ering activities and sets out the general principles for compiling
SANS 10404:2007	
The design and safe use of underground mine rolling stock	
Ed 2.00 A4 10p EN	Gr 5
	29.280; 45.060.01
This standard specifies the technical aspects relating to the design, fabrication, ma stock, excluding dedicated incline winder conveyance cars.	intenance and safe usage of underground track-bound rolling
SANS 10405:2009	
Transport of dangerous goods by rail - Operational and design requirements	and emergency preparedness
Ed 1.00 A4 25p EN	Gr 9
PDF 25p EN	03.220.30; 13.300
Specifies the requirements for the safe transport of dangerous goods by rail in term emergency preparedness. Includes documentation, loading, dispatch, placarding, security issues and training.	ns of operational requirements, design requirements and contingency planning and occurrence management, offloading,
SANS 10406:2007	
Transport of dangerous goods - The reprocessing of previously certified pac	kaging
Ed 1.01 A4 15p EN	Gr 7
PDF 15p EN	13.300; 55.020
The procedures to follow for the reprocessing of previously certified packaging for the reprocessed packaging meets agreed upon quality standards and that the safe transcompromised.	the transport of dangerous goods, to ensure that the nsport of goods packaged in such reprocessed packaging is not
Am 1(National), 2007-05-04	
SANS 10407:2006	
Thatched roof construction	
Ed 1.01 A4 20p EN	Gr 8
PUF 20p EN	91.060.20
Ccovers the installation of thatch on roofing structures. Does not cover the design Am 1(National), 2006-10-06	or erection of the supporting roofing structure.

Gr 9

91.040.01

Gr 9

91.040.01

Ed 3.00 A4 87p EN PDF 87p EN

Establishes requirements for the protection and safe evacuation of building occupants and users in case of fire, fire suppression and spread within and to other buildings, and external and internal fire behaviour of the building envelope in relation to the degree of fire resistance and emission of smoke and toxic gases.

SANS 10400-V:2010 The application of the National Building Regulations Part V: Space heating

SANS 10400-T:2011

Ed 3.00 A4 8p EN PDF 8p EN

Establishes requirements for flue nines, chimneys, and hearths and firenase

The application of the National Building Regulations Part T: Fire protection

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The app	lication of the National	Building Regulations	Part W: Fire installation
Ed 3.00	A4 14p EN PDF 14p EN		

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The application of the National Ballan	g negatations i art X. Environmental sustainability i art XA. Energy usage in banangs	
Ed 1.00 A4 14p EN	Gr 9	
PDF 14n FN	01.010.01	

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Formatting and compilatio	on of construction	procurement documents

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Ed 1.00	A4 44p EN		Gr 11
	PDF 44p EN		01 110 91 0

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Ed 2.00	A4 10p EN	Gr 5
	PDF 10p EN	29.280; 45.060.01

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Ed 1.00	A4 25p EN	Gr 9
	PDF 25p EN	03.220.30; 13.300

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> Standards South Africa Catalogue 2013 NUM - 510

Design, selection and installation of geomembranes Gr 10

Specifies requirements for the repair of diagonal-ply and radial-ply pneumatic tyres for motorcycles, scooters, cars and commercial vehicles, primarily designed for use on the public highway and first used after January 3, 1933. It also specifies inspection procedures, performance criteria,

19.020: 59.080.70

Gr 10

83.160.10

Provides requirements and guidance for the design, selection and installation of thermoplastics geomembranes. Also specifies quality control (QC) and quality assurance (QA) procedures.

SANS 10456:2007 / ISO 10456:1999 (2012-11-23)

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Ed 1.00 A4 21p EN PDF 21p EN

SANS 10408:2005

Ed 1.00 A4 38p EN

Ed 1.00 A4 35p EN

Repairs to tyres for motor vehicles

PDF 38p EN

SANS 10409:2005 (2011-07-04)

PDF 35p EN

Specifies methods for the determination of declared and design thermal values for thermally homogeneous building materials and products. It also gives procedures to convert values obtained under one set of conditions to those valid for another set of conditions. These procedures are valid for design ambient temperatures between -30 °C and +60 °C.

SANS 10460:2006 / ISO 10460:2005 (2011-02-11)

Gas cylinders - Welded carbon-steel gas cylinders - Periodic inspection and testing

repair materials, and marking requirements, for both tubed and tubeless tyres.

Ed 2.00	A4 28p EN	Gr 10
	PDF 28p EN	23.020.30

Specifies the minimum requirements for periodic inspection and testing to verify the integrity of gas cylinders for further service. It applies to welded carbon-steel transportable gas cylinders intended for compressed, liquefied or dissolved gases under pressure, excluding acetylene and LPG, of water capacity from 1 L up to and including 150 L.

SANS 10461:2006 / ISO 10461:2005 (2011-01-21)

Gas cylinders - Seamless aluminium-alloy gas cylinders - Periodic inspection and testing

Ed 2.00	A4 46p EN	Gr 12
	PDF 46p EN	23.020.30

Specifies the minimum requirements for periodic inspection and testing to verify the integrity of gas cylinders for further service. Deals with seamless aluminium-alloy transportable gas cylinders intended for compressed, liquefied or dissolved gases under pressure, excluding acetylene, of water capacity from 0,5 L up to 150 L.

Am 1(International), 2011-01-21

SANS 10462:2006 / ISO 10462:2005 (2011-02-11)

Gas cylinders - Transportable cylinders for dissolved acetylene - Periodic inspection and maintenance Ed 2.00 A4 29p EN Gr 10 PDF 29p EN 23.020.30

Specifies the minimum requirements for periodic inspection and maintenance to verify the integrity of acetylene cylinders for further service, regardless of the method of manufacture of the shell.

SANS 10467:2010 / ISO 10467:2004

Plastics piping systems for pressure and non-pressure drainage and sewerage - Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin

Ed 1.00 A4 80p EN PDF 80p EN

23.040.20; 83.140.30; 91.140.80; 93.030

Specifies the properties of piping system components made from glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) for drainage or sewerage with or without pressure, as well as the properties of the system itself.

Gr 14

SANS 10472-1:1997 / ISO 10472-1:1997 (2012-03-23)

(SABS ISO 10472-1)

Safety requirements for industrial laund	y machinery Part 1: Commor	n requirements
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Ed 1.00	A4 27p EN	Gr 10
	PDF 27p EN	97.060

Identifies all significant hazards associated with laundry machinery designed for use in industrial laundry premises, which includes hotels, hospitals, nursing homes, prisons and similar premises, as well as machines designed for use in self-service establishments. Dry-cleaning presses and garment presses are also included.

Am 1(National), 2007-03-23

NUMERICAL LIST OF STANDARDS

Gr 9 91.100.01

SANS 10472-2:1997 / ISO 10472-2:1997 (2012-03-23) (SABS ISO 10472-2) Safety requirements for industrial laundry machinery Part 2: Washing machin	nes and washer-extractors
Ed 1.00 A4 24p EN PDF 24p EN	Gr 10 97.060
Covers most significant hazards associated with washing machines and washer-ex 60 l. Am 1(National), 2007-03-23	stractors of all configurations having a net usable cage volume >
SANS 10472-3:1997 / ISO 10472-3:1997 (2012-03-23)	
(SABS ISO 10472-3)	lines including component machines
Ed 1.00 A4 17p EN	Gr 8
PDF 17p EN	97.060
Covers most significant hazards associated with washing tunnel lines including commachines, squeeze presses or centrifugal extraction machines, transfer conveyor system interfaces, and access platform and ladders. Am 1(National), 2007-03-23	nponent machines such as continuous tunnel washing systems, automatic transfer tumblers, loading or unloading
SANS 10472-4:1997 / ISO 10472-4:1997 (2012-03-23) (SABS ISO 10472-4)	
Safety requirements for industrial laundry machinery Part 4: Air dryers	
Ed 1.00 A4 16p EN PDF 16p EN	Gr 8 97.060
Covers most significant hazards associated with air dryers, and in particular with t tunnel finishers including associated conveyors and cabinet dryers. Am 1(National), 2007-03-23	umble dryers having a net usable cage volume > 160 I and
SANS 10472-5:1997 / ISO 10472-5:1997 (2012-03-23) (SABS ISO 10472-5) Safety requirements for industrial laundry machinery Part 5: Elatwork ironers	feeders and folders
Ed 1.00 A4 24p EN	Gr 10
PDF 24p EN	97.060
Covers most significant hazards associated with flatwork ironers, feeders and folded a contact area (for bed ironers under pressure) > $0,25$ m2, flatwork feeding machine ironers, or directly to folders, flatwork folding machines for the automatic folding of machines for the automatic folding of small pieces (excluding endless towels), and Am 1(National), 2007-03-23	ers, such as cylinder and bed ironers for flatwork finishing having les for the automatic feeding of flatwork into bed or cylinders flatwork in association with cylinder and bed ironers, folding multi-function machines.
SANS 10472-6:1997 / ISO 10472-6:1997 (2012-03-23) (SABS ISO 10472-6)	
Safety requirements for industrial laundry machinery Part 6: Ironing and fusi	ng presses
Ed 1.00 A4 17p EN PDF 17p EN	Gr 8 97 060
Covers most significant hazards associated with ironing and fusing presses used in particular scissor presses, cabinet presses, drawer presses, and rotary presses (ca Am 1(National), 2007-03-23	n the laundry, garment and dry-cleaning industry, and in arousel) and other presses with multiple bucks.
SANS 10508:2008 / ISO 10508:2006 (SABS ISO 10508)	
Plastics piping systems for hot and cold water installations - Guidance for cl	assification and design
Ed 2.00 A4 16p EN PDF 16p EN	Gr 8 23,040,20: 23,040,45: 83,080,20
Gives guidance for the classification and design of hot and cold water pressure sys	stems which use plastics pipes and plastics or metal fittings.
SANS 10523:2012 / ISO 10523:2008 Water guality - Determination of pH	
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	13.060.50
Specifies a method for determining the pH value in rain, drinking and mineral wate municipal and industrial waste waters, and liquid sludge, within the range pH 2 to p the temperature range 0 \degree C to 50 \degree C.	rs, bathing waters, surface and ground waters, as well as H 12 with an ionic strength below I = 0,3 mol/kg solvent and in

PDF 13p EN	47.080	
Specifies requirements, test methods, m components from the wheel to the interfa craft of up to 24 m length of hull. Access	nanuals for both the owner and the installer, and the designation for hydraulic steering sys ace point for outboard motor, inboard motor and inboard-outdrive steering arrangements, sories connecting output rams to tiller arms or equivalent are not included.	tems and used on small
SANS 10594:2007 / ISO 10594:2006 (2	013-01-18)	
Micrographics - Rotary camera system	ns - Test target for checking performance	
Ed 1.00 A4 17p EN	Gr 8	
PDF 17p EN	37.080	
Specifies a test target and a method for	checking the optical and mechanical performances of rotary cameras used for producing	16 mm microfilm.
	Standards South Africa Catalogue 2013	

Specifies the physical characteristics of contactless integrated circuit(s) cards (CICCs). Applies to identification cards of the ID-1 card type that

Identification cards - Contactless integrated circuit(s) cards Part 2: Dimensions and location of coupling areas Ed 1.00 A4 9p EN Gr 6 PDF 9p EN 35,240,15 Specifies the dimensions, location, nature and assignment of each of the coupling areas to be provided for interfacing slot or surface card coupling devices (CCDs) with contactless integrated circuit(s) cards (CICCs) of the card type ID-1. SANS 10536-3:2004 / ISO/IEC 10536-3:1996 (2010-03-05) Identification cards - Contactless integrated circuit(s) cards Part 3: Electronic signals and reset procedures Ed 1.00 A4 25p EN Gr 10 PDF 25p EN 35.240.15 Specifies the nature and characteristics of the fields to be provided for power and bidirectional communications between card coupling devices and contactless integrated circuit(s) cards of the card type ID-1 in slot or surface operation.

Identification cards - Contactless integrated circuit(s) cards - Close-coupled cards Part 1: Physical characteristics

SANS 10563:2013 / ISO 10563:2005

(SABS ISO 10563)

Building construction - Sealants - Determination of change in mass and volume

Ed 2.00	A4 8p EN	Gr 6
	PDF 8p EN	91.100.50

Specifies a method for the determination of the change of mass and the change of volume of sealants used in joints in building construction.

SANS 10566:2006 / ISO 10566:1994 (2012-04-05)

Water quality - Determination of aluminium - Spectrometric method using pyrocatechol violet

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Ed 1.00	A4 10p EN	
	PDF 10p EN	

SANS 10536-1:2000 / ISO/IEC 10536-1:2000 (2008-04-11)

operate in a slot or on the surface of a coupling device.

SANS 10536-2:2004 / ISO/IEC 10536-2:1995 (2010-03-05)

(SABS ISO/IEC 10536-1)

PDF 13p EN

Am 1(National), 2008-04-11

Ed 2.00 A4 13p EN

Specifies a method for the determination of filterable (dissolved) and acid-soluble aluminium in potable waters, ground waters, and lightly polluted surface and sea waters. Includes low range determination up to 100 µg/L Al with 50 mm cells and high range up to 500 µg/L Al with 10 mm cells.

SANS 10576-1:2009 / ISO 10576-1:2003

Statistical methods - Guidelines	for the evaluation of conformity with specified requirements Part 1: General principles
Ed 1.00 A4 22p EN	Gr 9

PDF 22p EN

Provides guidelines for drafting requirements that may be formulated as limiting values for a quantifiable characteristic or for checking conformity to such requirements when the test or measurement result is subject to uncertainty.

SANS 10591:2013 / ISO 10591:2005

Building	construction ·	- Sealants - Determination of adhesion/cohesion properties of sealants after immersion in water
Ed 1.00	A4 10p EN	Gr 6
	PDF 10p EN	91.100.50

Specifies a method for the determination of the influence of water on the adhesion cohesion properties of sealants with predominantly plastic behaviour which are used in joints in building construction.

SANS 10592:2008 / ISO 10592:1994

Small craft - Hydraulic steering systems			
Ed 1.00	A4 13p EN	Gr 7	
	PDF 13p EN	47.080	

SANS 10594:200

Micrographics -

Standards South Africa Catalogue	2013
NUM - 513	

Gr 8

35.240.15

Gr 6 13.060.50

03.120.30

Gr 14

Gr 14 21.100.20

Gr 10

07.100.20

21.060.01; 25.220.40

23.040.20; 83.140.30; 91.140.60; 93.025

Ed 1.00 A4 77p EN PDF 77p EN

SANS 10639:2010 / ISO 10639:2004

on unsaturated polyester (UP) resin

Specifies the properties of piping system components made from glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) for water supply with or without pressure, as well as the properties of the system itself.

Plastics piping systems for pressure and non-pressure water supply - Glass-reinforced thermosetting plastics (GRP) systems based

SANS 10657:2005 / ISO/TR 10657:1991 (2010-04-30)

Explanatory notes on SANS 351			
Ed 1.00	A4 62p EN PDF 62p EN		

Gives supplementary background information regarding the derivation of formulae and factors for static load ratings given in SANS 351.

SANS 10684:2011 / ISO 10684:2004

Fasteners - Hot dip galvanized coatings

Ed 1.00 A4 25p EN PDF 25p EN

Specifies material, process, dimensional and some perfomance requirements for hot spun galvanized coatings applied to coarse threaded steel fasteners from M8 up to and including M64 and for property classes up to and including 10.9 for bolts, screws and studs and 12 for nuts. Cor 1(International), 2011-03-18

SANS 10705-1:2002 / ISO 10705-1:1995 (2008-10-24)

Water quality - Detection and enumeration of bacteriophages Part 1: Enumeration of F-specific RNA bacteriophages Gr 7

Ed 1.00 A4 13p EN PDF 13p EN

Specifies a method for the detection and enumeration of F-specific ribonucleic acid (RNA) bacteriophages by incubating the sample with an appropriate host strain. The method can be applied to all kinds of water, sediments and sludges, where necessary after dilution. The method can also be applied to shellfish extracts.

SANS 10705-2:2002 / ISO 10705-2:2000 (2008-10-24)

Water quality - Detection and enumeration of bacteriophages Part 2: Enumeration of somatic coliphage	ges
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Ed 1.00	A4 20p EN	Gr 9
	PDF 20p EN	07.100.20

Specifies a method for the detection and the enumeration of somatic coliphages by incubating the sample with an appropriate host strain. The method is applicable to all kinds of water, sediments and sludge extracts, where necessary after dilution. The method is also applicable to shellfish extracts.

SANS 10705-4:2005 / ISO 10705-4:2001 (2010-08-20)

Water quality - Detection and enumeration of bacteriophages Part 4: Enumeration of bacteriophages infecting Bacteroides fragilis

Ed 1.00 A4 24p EN PDF 24p EN

Specifies a method for the detection and enumeration of bacteriophages infecting Bacteroides fragilis by incubating the sample with an appropriate host-strain. The method is applicable to all kinds of water, sediments and sludge extracts, where necessary after dilution. In the case of low phage numbers, a pre-concentration step may be necessary. The method is also applicable to shellfish extracts.

SANS 10746-1:2003 / ISO/IEC 10746-1:1998 (2009-08-21)

Information technology - Open distributed processing - Reference model: Overview			
Ed 1.00	A4 82p EN	Gr 15	
	PDF 82p EN	35.100.01	

Gives an introduction and motivation for ODP:provides an overview of the Reference Model of Open Distributed Processing (RM-ODP) and an explanation of its key concepts; gives guidance on the application of the RM-ODP.

SANS 10746-2:2003 / ISO/IEC 10746-2:1996 (2009-08-21)

Information technology - Open distributed processing - Reference model: Foundations			
Ed 1.00	A4 24p EN	Gr 10	
	PDF 24p EN	35.100.01	

Covers concepts which are needed to perform the modelling of ODP systems, and the principles of conformance to ODP systems.

SANS 10746-3:2003 / ISO/IEC 10746-3:1996 (2009-08-21)

Information technology - Open distributed processing - Reference model: Architecture			
Ed 1.00	A4 64p EN	Gr 14	
	PDF 64p EN	35.100.01	

Defines how ODP systems are specified, making use of concepts in ITU-T Recommendation x.902 ISO/IEC 10746-2; identifies the characteristics that qualify systems as ODP systems. Establishes a framework for coordinating the development of existing and future standards for ODP systems and is provided for reference by those standards.

Gr 10

07.100.20

The rapid growth of distributed processing has lead to a need for a coordinating framework for the standardization of Open Distributed Processing (ODP). This Reference Model of ODP provides such a framework. It creates an architecture within which support of distribution, interworking, interoperability and portability can be integrated. The Basic Reference Model of Open Distributed Processing (RM-ODP) is based on precise concepts derived from current distributed processing developments and, as far as possible, on the use of formal description techniques for specification of the architecture. Am 1(International), 2003-10-31 SANS 10752:1994 / ISO 10752:1994 (2007-09-28) (SABS ISO 10752) **Coal sizing equipment - Performance evaluation** Ed 1.00 A4 31p EN Gr 11 PDF 31p EN 73.040; 73.120 Describes the principles and methods for the expression of results of performance tests on sizing equipment used in coal preparation, and includes methods for the evaluation of performance parameters. Applies to all types of sizing equipment: screens, classifiers, others. Am 1(National), 2007-09-28 SANS 10753:2005 / ISO 10753:1994 (2010-04-30) Coal preparation plant - Assessment of the liability to breakdown in water of materials associated with coal seams Ed 1.00 A4 14p EN Gr 7 PDF 14p EN 73.040 Specifies a method for assessing the liability of materials associated with coal seams to breakdown on agitation with water. SANS 10802:2010 / ISO 10802:1992 Ductile iron pipelines - Hydrostatic testing after installation Ed 1.00 A4 7p EN Gr 6 PDF 7p EN 23.040.10 Specifies site hydrostatic acceptance tests for installed pressure and non-pressure ductile iron pipelines used for conveying water and other liquids. It does not cover pipelines for gas. SANS 10803:2010 / ISO 10803:1999 Design method for ductile iron pipes Ed 1.00 A4 36p EN Gr 11 PDF 36p EN 23.040.10 Covers the design of ductile iron pipes used for conveying water, sewage and other fluids. SANS 10804-1:2010 / ISO 10804-1:1996 Restrained joint systems for ductile iron pipelines Part 1: Design rules and type testing Ed 1.00 A4 7p EN Gr 6 PDF 7p EN 23.040.01; 23.040.10 Specifies design rules for restrained joint systems to be used on ductile pipelines. SANS 10815:2003 / ISO 815:1991 (2009-03-27) Rubber, vulcanized or thermoplastic - Determination of compression set at ambient, elevated or low temperatures Ed 1.00 A4 12p EN Gr 7 PDF 12p EN 83.060 Specifies methods for the determination of compression set characteristics of vulcanized and thermoplastic rubbers at ambient, elevated or low temperatures. Cor 1(International), 2003-08-01 SANS 10815-1:2009 / ISO 815-1:2008 Rubber, vulcanized or thermoplastic - Determination of compression set Part 1: At ambient or elevated temperatures Ed 1.00 A4 15p EN Gr 8 PDF 15p EN 83.060 Specifies methods for the determination of compression set at characteristics of vulcanized and thermoplastic rubbers at ambient or elevated temperatures. SANS 10815-2:2009 / ISO 815-2:2008 Rubber, vulcanized or thermoplastic - Determination of compression set Part 2: At low temperatures Ed 1.00 A4 13p EN Gr 7 PDF 13p EN 83.060 Specifies a method for the determination of the compression set characteristics of vulcanized and thermoplastic rubbers at low temperatures.

SANS 10746-4:2003 / ISO/IEC 10746-4:1998 (2009-08-21)

Information technology - Open distributed processing - Reference model: Architectural semantics

Ed 1.00 A4 33p EN PDF 33p EN

> Standards South Africa Catalogue 2013 NUM - 515

35.100.01

Gr 10

SANS 10823:2007 / ISO 10823:2004

Guidelines for the selection of roller chain drives

Ed 1.00 A4 27p EN PDF 27p EN

Composed of a roller chain and sprockets conformant with ISO 606, for industrial applications. The selection procedures and the chain ratings it describes provide for roller chain drives operating under specified conditions, as defined in 9.1, 9.2 and in Clause 10, with a life expectancy of approximately 15 000 h. Owing to the wide variations in loading characteristics, environmental conditions and achieved maintenance, it is desirable that the supplier of the chains and sprockets be consulted to ensure that the performance of product meets the requirements specified both by the user and by this International Standard.

SANS 10834:2003 / ISO 10834:1992 (2009-02-20)

Textile floor coverings - Non-destructive measurement of pile thickness above the backing - WRONZ gauge method

Ed 1.00 A4 7p EN PDF 7p EN

Specifies a method for the measurement of the thickness of pile above the backing of a textile floor covering and is applicable to all textile floor coverings having a pile of cut or looped yarn. Where areas of different construction or thickness exist, these should be tested separately if possible. This method is non-destructive of the floor covering specimen and is useful particularly for production control in manufacture and for measurements on installed carpets.

SANS 10835:2011 / ISO 10835:2007

Direct reduced iron and hot briquetted iron - Sampling and sample preparation

Ed 1.00 A4 60p EN PDF 60p EN

Gives the underlying theory, the basic principles for sampling and preparation of samples, and the basic requirements for the design, installation and operation of sampling systems, for mechanical sampling, manual sampling and preparation of samples taken from a lot under transfer, to determine the chemical composition, moisture content and physical properties of the lot.

SANS 10843:1997 (2007-02-23) (SABS ISO 10843)

Acoustics - Methods for the description and physical measurement of single impulses or series of impulses

Ed 1.00	A4 29p EN	Gr 11
	PDF 29p EN	17.140.20

ISO 10843:1997, MOD

Describes preferred methods for the description and the physical measurement of single impulsive sounds or short series of impulsive sounds and for the presentation of the data. It applies to single impulsive sounds or short series of impulsive sounds such as those produced by explosions, artillery fire, bombing and similar activities, sonic booms, pistol and rifle fire, and cartridge-operated tools or machines.

Am 1(National), 2007-02-23

SANS 10862:2010 / ISO 10862:2009

Small craft - Quick release system for trapeze harness

Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	13.340.60; 47.080

Specifies the requirements and test methods for quick release devices as a component of the small sailing-craft trapeze system worn whilst afloat.

SANS 10957:2009 / ISO 10957:1993

nformation and documentation - International standard music number (ISMN)			
Ed 1.00	A4 7p EN	Gr 6	
	PDF 7p EN	01.140.20; 35.240.30	

Specifies a means of uniquely identifying printed music publications. Standardizes and promotes internationally the use of numbers on printed music publications in order that one edition of a title or one separate component of an edition can be distinguished from all other editions or components by means of a unique international standard music number made up of the following elements: preceded by the letters ISMN, the letter M as a prefix, a publisher identifier, an item identifier, and a check digit. Also specifies the location of the number on printed music publications.

SANS 10965:1998 / ISO 10965:1998 (2012-02-17)

(SABS ISO 10965)

Ed 1.00 A4 8p EN

PDF 8p EN

Describes a laboratory method for the determination of electrical resistance of textile floor coverings. The method includes both horizontal and vertical measurements.

Cor 1(International), 2001-03-29

Am 1(National), 2006-06-09

SANS 10968:2008 / ISO 10968:2004

Earth-moving machinery - Operator's controls

Ed 2.00 A4 17p EN Gr 8 PDF 17p EN 53.100

Specifies requirements and guidelines for the operator's primary controls on earthmoving machinery in as far as those controls relate to the ride-on operator.

59.080.60

Gr 5

Gr 10

21.220.30

73.060.10

Gr 6 59.080.60

Gr 13

SANS 10972-3:2007 / ISO 10972-3:2003 (2013-02-22)

Cranes - Requirements for mechanisms Part 3: Tower cranes

Ed 1.00 A4 17p EN PDF 17p EN Gr 8 53.020.20

Establishes requirements which apply specifically to the mechanisms and related components of tower cranes, in addition to the general requirements given in ISO 10972-1. These additional requirements concern a) the arrangement, features and characteristics of the crane mechanisms, and b) the minimum requirements for certain mechanism components. Rules for the proof of competence calculation regarding different limit states (yield strength, fatigue, wear) are excluded from this part of ISO 10972. Is not applicable to the climbing mechanisms and related components used on tower cranes, nor to the climbing frame.

SANS 10973:1995 / ISO 10973:1995 (2011-09-23)

(SABS ISO 10973)

Cranes - Spare parts manual

Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	01.110; 53.020.20

Covers guidelines on the general requirements necessary for the preparation and presentation of spare parts manuals for cranes. Am 1(National), 2006-02-24

SANS 10993-1:2010 / ISO 10993-1:2009

Biological evaluation of medical devices Part 1: Evaluation and testing within a risk management process		
Ed 2.00	A4 28p EN	Gr 10
	PDF 28p EN	11.100
Decertile		

Describes the general principles governing the biological evaluation of medical devices within a risk management process, the general categorization of devices based on the nature and duration of their contact with the body, the evaluation of existing relevant data from all sources, the identification of gaps in the available data set on the basis of risk analysis, the identification of additional data sets necessary to analyse the biological safety of the medical devices.

SANS 10993-3:2004 / ISO 10993-3:2003 (2009-10-02)

Biologic	al evaluation of medical	devices Part 3: Test for genotoxicity, carcinogenicity and reproductive toxicity
Ed 1.00	A4 23p EN	Gr 10
	PDF 23p EN	11.100

Specifies strategies for hazard identification and tests on medical devices for the following biological aspects: genotoxicity, carcinogenicity, and reproductive and developmental toxicity. This part of SANS 10993 is applicable for evaluation of a medical device whose potential for genotoxicity, carcinogenicity or reproductive toxicity has been identified.

SANS 10993-4:2004 / ISO 10993-4:2002 (2009-10-23)

Biological evaluation of medical devices Part 4: Selection of tests for interactions with blood

Ed 1.00	A4 40p EN	Gr	11
	PDF 40p EN	11.1	00

Provides general requirements for evaluating the interactions of medical devices with blood. It describes a classification of medical and dental devices that are intended for use in contact with blood, the fundamental principles governing the evaluation of the interaction of devices with blood, the rationale for structured selection of tests according to specific categories and the principles and scientific basis of these tests. It describes biological evaluation in general terms and may not necessarily provide sufficient guidance for test methods for a specific device.

Am 1(International), 2009-10-23

SANS 10993-5:2010 / ISO 10993-5:2009

Biological evaluation of medical devices Part 5: Tests for in vitro cytotoxicity

Ed 2.00	A4 41p EN	Gr 12
	PDF 41p EN	11.100
Describer	a second second a second s	T I2

Describes test methods to assess the in vitro cytotoxicity of medical devices. These methods specify the incubation of cultured cells in contact with a device or extracts of a device (or both) either directly or through diffusion. These methods are designed to determine the biological response of mammalian cells in vitro using appropriate biological parameters.

Gr 13

11.100

SANS 10993-10:2004 / ISO 10993-10:2002 (2008-01-18)

Biological evaluation of medical devices Part 10: Tests for irritation and delayed-type hypersensitivity

Ed 1.00 A4 55p EN PDF 55p EN

Describes the procedure for the assessment of medical devices and their constituent materials with regard to their potential to produce irritation and delayed-type hypersensitivity. It includes pretest considerations, details of the test procedures, and key factors for the interpretation of the results.

Am 1(International), 2008-01-18

SANS 10993-11:2008 / ISO 10993-11:2006 Biological evaluation of medical devices Part 11: Tests for systemic toxicity Ed 2.00 A4 33p EN Gr 11 PDF 33p EN 11.100

Specifies requirements and gives guidance on procedures to be followed in the evaluation of the potential for medical device materials to cause adverse systemic reactions.

Standards South Africa Catalogue 2013 NUM - 517

SANS 11014:2010 / ISO 11014:2009

Safety data sheet for chemical products - Content and order of sections

Ed 1.00 A4 20p EN PDF 20p EN

Presents information for the compilation and completion of an SDS. It defines specifically the general layout of the SDS, the 16 standard headings, the numbering and the sequence of these 16 standard headings and the items necessary to fill in an SDS with the conditions of their applicability or utilization.

SANS 11014-1:1994 / ISO 11014-1:1994 (2007-09-21) (SABS ISO 11014-1)

Safety data sheet for chemical products Part 1: Content and order of sections

Ed 1.00 A4 14p EN PDF 14p EN

Presents information for the compilation and completion of an SDS. It defines specifically the general layout of the SDS, the 16 standard headings, the numbering and the sequence of these 16 standard headings and the items necessary to fill in an SDS with the conditions of their applicability or utilization.

Am 1(National), 2007-09-21

SANS 11040-1:2007 / ISO 11040-1:1992

Prefilled syringes Part 1: Glass cylinders for dental local anaesthetic cartridges

Ed 1.00 A4 8p EN PDF 8p EN

Specifies the design, dimensions, materials, performance and test methods for glass cylinders for dental anaesthetic cartridges intended for single use only. Applies to primary packs used in direct contact with the drug.

SANS 11043-1:2004 / ISO 1043-1:2001 (2009-07-31)

Plastics - Symbols and abbreviated terms Part 1: Basic polymers and their special characteristics Ed 1.00 A4 15p EN Gr 8

РЫТЭрЕМ	01.040.83; 83.080.01
Gives uniform abbreviated terms for plastics,	and symbols for components of these terms. Includes only those abbreviated terms that have come
into established use and its aim is both to pre-	vent the occurrence of more than one abbreviated term for given plastics terms and to prevent a
given abbreviated term being interpreted in n	iore than one way.

SANS 11043-2:2004 / ISO 1043-2:2000 (2009-07-31)

Plastics - Symbols and abbreviated terms Part 2: Fillers and reinforcing materials

Ed 1.00	A4 6p EN	Gr 5	
	PDF 6p EN	01.040.83; 83.040.30	
Crocifica	uniform symbols for terms referring to fillers and reinforcing materials	It includes only these symbols that h	

cifies uniform symbols for terms referring to fillers and reinforcing materials. It includes only those symbols that have come into established use and its main aim is both to prevent the occurrence of more than one symbol for a given filler or reinforcing material and to prevent a given symbol being interpreted in more than one way.

SANS 11058:2013 / ISO 11058:2010

Geotextiles and geotextile-related products - Determination of water permeability characteristics normal to the plane, without load

Ed 1.00 A4 22p EN PDF 22p EN

Specifies the two test methods for determining the water permeability characteristics of a single layer of geotextile or geotextile-related product normal to the plane.

SANS 11064-1:2010 / ISO 11064-1:2000

Ergonomic design of control centres Part 1: Principles for the design of control centres

Ed 1.00 A4 37p EN Gr 11 PDF 37p EN 13.180; 25.040.40

Specifies ergonomic principles, recommendations and requirements to be applied in the design of control centres, as well as in the expansion, refurbishment and technological upgrades of control centres. Covers all types of control centres typically employed for process industries, transportation and logistic control systems and people deployment services.

SANS 11083:2005 / ISO 11083:1994 (2011-12-01)

Water quality - Determination of chromium (VI) - Spectrometric method using 1,5-diphenylcarbazide

Ed	1.00	A4 8p EN	
		PDF 8p EN	

Specifies a spectrometric method for determination of chromium(VI) in water. The method is applicable to the determination of dissolved chromium(VI) in the concentration range of 0,05 mg/L to 3 mg/L. The application range may be extended by dilution of the sample.

Gr 9 59.080.70

Gr 6 13.060.50

Gr 6

Gr 9

Gr 8

01 110

71.100.01

11.040.25

Standards South Africa Catalogue 2013 NUM - 519

NUMERICAL LIST OF STANDARDS

SANS 11105:2008 / ISO 11105:1997

Small craft - Ventilation of petrol engine and/or petrol tank compartments

Ed 1.00 A4 9p EN PDF 9p EN

Specifies requirements for ventilation of petrol engine and petrol tank compartments in small craft of up to 24 m length of hull, having petrol engines for propulsion, electrical generation or mechanical power, to prevent accumulation of explosive gases in these compartments. Does not cover personal watercraft.

SANS 11108:2008

(SABS SM 1108)

Washing pretreatment of textile fabrics

Ed 3.00 A4 4p EN PDF 4p EN

Specifies a method for the pretreatment of textile fabrics that, in actual use, will be subject to washing. It is intended to be used before tests for determining the efficacy of certain finishes such as tests to determine the resistance to pilling, the resistance to snagging, creasing properties and seaming properties. This standard is not applicable as a means of evaluation of colour fastness to washing nor as a treatment of textile fabrics before evaluation of colour fastness to washing.

SANS 11120:1999 / ISO 11120:1999 (2013-03-15)

(SABS ISO 11120)

Gas cylinders - Refillable seamless steel tubes of water capacity between 150 I and 3 000 I - Design, construction and testing

Ed 1.00) A4 35p EN	Gr 11
	PDF 35p EN	23.020.30

Specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes and tests at manufacture of refillable quenched and tempered seamless steel tubes of water capacities from 150 L up to and including 3 000 L for compressed and liquefied gases exposed to extreme world-wide ambient temperatures (normally between -50 °C and +65 °C). Applicable to tubes with a maximum tensile strength Rm of less than 1 100 MPa.

Am 1(National), 2007-09-28

Ed 1

SANS 11133-2:2004 / ISO/TS 11133-2:2003 (2009-07-03)

Microbiology of food and animal feeding stuffs - Guidelines on preparation and production of culture media Part 2: Practical guidelines on performance testing of culture media

.00	A4 30p EN	Gr 10
	PDF 30p EN	07.100.30

Sets criteria and methods for the performance testing of culture media. It applies to commercial bodies producing and/or distributing ready-to-use or semi-finished reconstituted or dehydrated media to microbiological laboratories; non-commercial bodies supplying media to third parties; and microbiological laboratories preparing culture media for their own use and evaluating the performance of these media.

SANS 11135-1:2008 / ISO 11135-1:2007

Sterilization of health care products - Ethylene oxide Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices

Ed 1.00 A4 48p EN PDF 48p EN

Specifies requirements for the development, validation and routine control of an ethylene oxide sterilization process for medical devices. It does not: - detail a specified requirement for designating a medical device as sterile; - specify a quality management system for the control of all stages of production of medical devices; - specify requirements for occupational safety associated with the design and operation of ethylene oxide sterilization facilities; - sterilization by injecting ethylene oxide or mixtures containing ethylene oxide directly into individual product packages, or continuous sterilization processes; and - cover analytical methods for determining levels of residual ethylene oxide or its reaction products (or both).

SANS 11137-1:2007 / ISO 11137-1:2006 (2013-03-01) Sterilization of health care products - Radiation Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices

Ed 1.00 A4 44p EN PDF 44p EN

Specifies requirements for the development, validation and routine control of a radiation sterilization process for medical devices. It does not require that biological indicators be used for the validation or monitoring of radiation sterilization, nor does it require that a pharmacopoeial test for sterility be carried out for product release.

SANS 11137-2:2007 / ISO 11137-2:2006 (2009-10-09)

Sterilization of health care products - Radiation Part 2: Establishing the sterilization dose

Ed 1.00	A4 67p EN	Gr 14
	PDF 67p EN	11.080.01

Specifies methods of determining the minimum dose needed to achieve a specified requirement for sterility and methods to substantiate the use of 25 kGy or 15 kGy as the sterilization dose to achieve a sterilization assurance level, SAL, of a log of minus six. It also specifies methods of dose auditing in order to demonstrate the continued effectiveness of the sterilization dose.

Cor 1(International), 2009-10-09

Gr 12

11.080.01

Gr 12 11.080.01

47.020.20; 47.080

Gr 6

Gr 3

59 080 30

SANS 11137-3:2007 / ISO 11137-3:2006

Sterilization of health care products - Radiation Part 3: Guidance on dosimetric aspects

Ed 1.00 A4 22p EN PDF 22p EN

Gives guidance on the requirements relating to dosimetry and describes dosimetry procedures related to the development, validation and routine control of a radiation sterilization process.

SANS 11138-1:2007 / ISO 11138-1:2006 (2013-03-01)

(SABS ISO 11138-1)

Sterilization of health care products - Biological indicators Part 1: General requirements

Ed 2.00	A4 45p EN	Gr 12
	PDF 45p EN	11.080.01

Specifies general requirements for production, labelling, test methods and performance characteristics of biological indicators, including inoculated carriers and suspensions, and their components, to be used in the validation and routine monitoring of sterilization processes.

SANS 11138-2:2007 / ISO 11138-2:2006

(SABS ISO 11138-2)

Sterilizat	ion of health care products - Biological indicators Part 2: Biological	indicators for ethylene oxide sterilization processes
Ed 2.00	A4 10p EN	Gr 6
	PDF 10p EN	11.080.01

Specifies requirements for test organisms, suspensions, inoculated carriers, biological indicators and test methods intended for use in assessing the performance of sterilizers and sterilization processes employing ehtylene oxide gas as the sterilizing agent, either as pure ethylene oxide gas or mixtures of this gas with diluent gases, at sterilizing temperatures within the range of 29 °C to 65 °C.

SANS 11138-3:2007 / ISO 11138-3:2006

(SABS ISO 11138-3)

Sterilization of health care products - Biological indicators Part 3: Biological indicators for moist heat sterilization processes Gr 7

Ed	2.00	A4 13p EN
		PDF 13p EN

Specifies requirements for test organisms, suspensions, inoculated carriers, biological indicators and test methods intended for use in assessing the performance of sterilization processes employing moist heat (dry saturated steam) as the sterilizing agent.

SANS 11140-1:2011 / ISO 11140-1:2005

Sterilization of health care products - Chemical indicators Part 1: General requirements

Ed	1.00	A4 34p EN	Gr 11
		PDF 34p EN	11.080.01; 11.080.2

Specifies general requirements and test methods for indicators that show exposure to sterilization processes by means of physical or chemical (or both) change of substances, and that are used to monitor the attainment of one or more of the variables required for a sterilization process. They are not dependent for their action on the presence of a living organism.

SANS 11166:2010

(SABS SM	1166)
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Textiles - Colou	r fastness to	domestic	washing	procedures
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Ed 3.00	A4 11p EN	(Gr 6
	PDF 11p EN	1	7.180.

Specifies a method of determining the resistance of the colour of textiles of all kinds and in all forms to domestic washing procedures. Six domestic washing procedures are described.

SANS 11167:2005 (2010-05-07)

(SABS SM 1167) Textiles - Dimensional stability during domestic washing and drying procedures

Ed 3.00 A4 9p EN Gr 5 PDF 9p EN 59.080.30

Specifies a method of determining the effect of domestic washing and drying procedures on the dimensional stability of fabrics, garments and other textile articles. Eight domestic washing procedures and five drying procedures are described. A complete test consists of a washing and a drying procedure.

SANS 11169:2003 / ISO 11169:1993 (2009-02-20)

Machinery for forestry -	Wheeled special machines - Vocabulary, performance test methods and criteria for brake systems
Ed 1 00 A4 9n EN	Gr 6

~	1.00	7 . i op i											
		PDF 9p	o EN									65.060.80	

Lays down the vocabulary and specifies performance test methods and criteria to enable uniform assessment of the service, secondary and parking brake systems of wheeled specially designed forestry machines. Applies to self-propelled, rubber-tyred special forestry machines defined in SANS 6814 as skidders, forwarders and the various feller-buncher combination machines.

11.080.01

20

.20; 59.080.30

Gr 9

11.080.01

SANS 11179:2010 / UNI 11179:2006	
	0+ 11
PDF 34p EN	23.040.40
Specifies the minimum requirements relative to the design, the technical specification pressure joints for the coupling of metal pipes.	ions and the performance of steel and whiteheart cast iron
SANS 11193-1:2010 / ISO 11193-1:2008 Single-use medical examination gloves Part 1: Specification for gloves made	from rubber latex or rubber solution
Ed 2.00 A4 14p EN	Gr 7
PDF 14p EN	11.140; 83.140.99
Specifies requirements for packaged sterile, or bulked non-sterile, rubber gloves in therapeutic procedures to protect the patient and the user from cross-contaminatio contaminated medical materials and gloves with smooth surfaces or with textured s	tended for use in medical examinations and diagnostic or n. It also covers rubber gloves intended for use in handling surfaces over all or part of the glove.
SANS 11200:1995 / ISO 11200:1995 (2006-12-15) (SABS ISO 11200)	
Acoustics - Noise emitted by machinery and equipment - Guidelines for the u sound pressure levels at a work station and at other specified positions	se of basic standards for the determination of emission
Ed 1.00 A4 20p EN	Gr 10
PDF 20p EN	17.140.20
Provides brief summaries of the basic International Standards for determining emise equipment, at work stations and at other specified positions, and gives guidance or particular type. The guidance given applies only to airborne sound, and is for use in testing where no noise test code exists.	ssion sound pressure levels from all types of machinery and n the process of selection of which is appropriate to any n the preparation of noise test codes, and also for use in noise
Am I (National), 2006-12-15 Cor I (International), 2006-12-15	
SANS 11201:1995 / ISO 11201:1995 (2006-12-15)	
Acoustics - Noise emitted by machinery and equipment - Measurement of em other specified positions - Engineering method in an essentially free field over	ission sound pressure levels at a work station and at er a reflecting plane
PDF 21p EN	17.140.20
Specifies a method for measuring the emission sound pressure levels of machiner positions nearby, in an essentially free field over a reflecting plane. A work station i the room where the source operates, or in a cab fixed to the source, or in an enclose Am 1(National), 2006-12-15 Cor 1(International), 2006-12-15	y and equipment, at a work station and at other specified is occupied by an operator. It may be located in open space in sure remote from the source.
SANS 11202:2012 / ISO 11202:2010 (SABS ISO 11202)	
Acoustics - Noise emitted by machinery and equipment - Determination of emother specified positions applying approximate environmental corrections	nission sound pressure levels at a work station and at
Ed 2.00 A4 48p EN	Gr 12
PDF 48p EN	17.140.20
Specifies a method for determining the emission sound pressure levels of machine positions nearby, in situ. With the method specified, the results of accuracy grade 2 obtained.	ry or equipment, at a work station and at other specified 2 (engineering grade) or accuracy grade 3 (survey grade) are
SANS 11203:1995 / ISO 11203:1995 (2006-12-01) (SABS ISO 11203)	
Acoustics - Noise emitted by machinery and equipment - Determination of emother specified positions from the sound power level	nission sound pressure levels at a work station and at
Ed 1.00 A4 13p EN	Gr 8
PDF 13p EN	17.140.20
Specifies two methods for determining the emission sound pressure levels of mach positions nearby, by calculation from the sound power level. The principal purpose of different units of a given family of machinery or equipment, under defined environ conditions. The data obtained may also be used for the declaration and verification Am 1(National), 2006-12-01	ninery and equipment, at a work station and at other specified of this determination is to permit comparison of the performance nmental conditions and standardized mounting and operating of emission sound pressure levels as specified in ISO 4871.
SANS 11204:2012 / ISO 11204:2010 (SABS ISO 11204)	
Acoustics - Noise emitted by machinery and equipment - Determination of emother specified positions applying accurate environmental corrections	nission sound pressure levels at a work station and at
Ed 2.00 A4 43p EN PDF 43p EN	Gr 12 17.140.20
Specifies a method for determining the emission sound pressure levels of machine	ery or equipment, at a work station and at other specified
positions nearby, in any environment which meets certain qualification requirement	S.

SANS 11210:1995 / ISO 11210:1995 (2007-08-24) (SABS ISO 11210) Determination of platinum in platinum jewellery alloys - Gravimetric method after precipitation of diammonium hexachloroplatinate Ed 1.00 A4 8p EN Gr 7 PDF 8p EN 39.060 Specifies a gravimetric method for the determination of platinum in platinum jewellery alloys, preferably within the range of fineness stated in ISO 9202. These alloys may contain palladium, iridium, rhodium, copper, cobalt, gold, ruthenium, gallium, chromium, indium and less than 5 % tungsten. Some modifications are indicated where palladium, iridium, rhodium, gold or ruthenium are present. Am 1(National), 2007-08-24 SANS 11285:2005 / ISO 11285:2004 (2010-08-06) Milk - Determination of lactulose content - Enzymatic method Ed 1.00 A4 14p EN Gr 7 PDF 14p EN 67.100.10 Specifies an enzymatic method for the determination of the lactulose content of milk. SANS 11290-1:1996 / ISO 11290-1:1996 (2007-07-06) (SABS ISO 11290-1) Microbiology of food and animal feeding stuffs - Horizontal method for the detection and enumeration of Listeria monocytogenes Part 1: Detection method Ed 1.00 A4 22p EN Gr 10 PDF 22p EN 07.100.30 Specifies a horizontal method for the detection of Listeria monocytogenes. Applicable to products intended for human consumption or as animal feeding stuffs. Am 1(International), 2005-12-14 Am 1(National), 2005-12-14 SANS 11290-2:1998 / ISO 11290-2:1998 (2007-07-06) (SABS ISO 11290-2) Microbiology of food and animal feeding stuffs - Horizontal method for the detection and enumeration of Listeria monocytogenes Part 2: Enumeration method Ed 1.00 A4 26p EN Gr 11 PDF 26p EN 07.100.30 Specifies a horizontal method for the detection of Listeria monocytogenes. Applicable to products intended for human consumption or as animal feeding stuffs. Am 1(International), 2005-12-14 Am 1(National), 2005-12-14 SANS 11296-1:2010 / ISO 11296-1:2009 Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks Part 1: General Ed 1.00 A4 22p EN Gr 9 PDF 22p EN 23 040 20: 23 040 45: 91 140 80: 93 030 Specifies the requirements and test methods for plastics piping systems intended to be used for the renovation of underground non-pressure drainage and sewerage networks, which are operated as gravity systems and subjected to a maximum surcharge pressure of0,5 bar. Applicable to pipes and fittings as manufactured, as well as to the installed plastics lining system. Is not applicable to the existing pipeline or any annular filler. SANS 11296-3:2010 / ISO 11296-3:2009 Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks Part 3: Lining with close-fit pipes Ed 1.00 A4 26p EN Gr 10 PDF 26p EN 23.040.20; 23.040.45; 91.140.80; 93.030 Specifies requirements and test methods for close-fit lining systems intended to be used for the renovation of non-pressure drainage and sewerage networks and applies to pipes and fittings made of polyethylene (PE) or unplasticized poly(vinyl chloride) (PVC-U). Applicable to the plastic lining system only. Not applicable to the requirements for the existing pipeline. SANS 11296-4:2010 / ISO 11296-4:2009 Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks Part 4: Lining with cured-inplace pipes Ed 1.00 A4 41p EN Gr 12 PDF 41p EN 23.040.20; 23.040.45; 91.140.80; 93.030 Specifies requirements and test methods for cured-in-place pipes and fittings used for the renovation of underground non-pressure drainage and sewerage networks and also applies to the use of various thermosetting resin systems, in combination with compatible fibrous carrier materials and other process-related plastics components. SANS 11323:2011 / ISO 11323:2010 Iron ore and direct reduced iron - Vocabulary

NUMERICAL LIST OF STANDARDS

 Ed 1.00
 A4 36p EN
 Gr 11

 PDF 36p EN
 01.040.73; 73.060.10

Gives the definitions for terms used in TC 102 standards for sampling, sample preparation, moisture and particle size analysis and physical testing of iron ore and direct reduced iron.

Standards South Africa Catalogue 2013 NUM - 522

SANS 11345:2003 / ISO 11345:1997 (2009-03-27)

Rubber - Assessment of carbon black dispersion - Rapid comparative methods Gr 7

Textile floor coverings - Floor soiling - Test site set-up and soiling evaluation

Ed 1.00 A4 12p EN PDF 12p EN

Specifies qualitative visual test methods for the rapid and comparative assessment of macrodispersion only of carbon black in rubber. Ratings are made relative to a set of standard photographs (ratings 1-10), and the results are expressed on a numerical scale.

SANS 11346:2003 / ISO 11346:1997 (2009-03-27)

Rubber, vulcanized or thermoplastic - Estimation of life-time and maximum temperature of use from an Arrhenius plot

Ed 1.00	A4 9p EN		
	PDF 9p EN		

Describes the principles and procedures for estimating the life-time and maximum temperature of use of vulcanized or thermoplastic rubbers, using an Arrhenius plot. Is suitable for different tests on rubber, but for tests under stress or deformation (creep, relaxation, etc.) physical (viscoelastic) changes of material cannot easily be separated from any chemical change . Then the Arrhenius equation is no longer the only possible model, and the Williams, Landel, Ferry (WLF) equation may be more suitable to represent the change in the material as a function of time.

SANS 11377:2003 / ISO 11377:1997 (2009-02-20)

Ed 1.00	A4 9p EN PDF 9p EN	Gr 6
Specifies colour ch	s the procedure for setting up a test site for textile floor coverings and the hange.	procedure for evaluation of levels of soiling as measured by
SANS 11 (SABS IS	1378-2:2001 / ISO 11378-2:2001 (2007-11-23) SO 11378-2)	
Textile fl	loor coverings - Laboratory soiling tests Part 2: Drum test	
Ed 1.00	A4 24p EN PDF 24p EN	Gr 11 59.080.60
Describe texture cl Am 1(Na	is the equipment and the test method for assessing the propensity of texti hanges using a standard artificial soil composition. tional), 2007-11-23	e floor coverings to soiling in the absence of abrasive wear and
SANS 11 Textile f	1379:2012 / ISO 11379:2009 loor coverings - Laboratory cleaning procedure using spray extractio	n
Ed 2.00	A4 8p EN PDF 8p EN	Gr 6 59.080.60
Describe covering:	es a laboratory-scale textile-floor-covering cleaning procedure using a spra s, both machine-made and hand-made.	y-extraction technique. Applicable to all kinds of textile floor
SANS 11 Rubber ·	1407:2011 / ISO 1407:2009 - Determination of solvent extract	
Ed 3.00	A4 18p EN	Gr 8
	PDF 18p EN	83.060
Specifies unvulcan	s three methods for the quantitative determination of the material extractal ized and vulcanized compounds.	ble from raw rubbers, both natural and synthetic, and their
SANS 11 (SABS IS	1 426:2008 / ISO 11426:1997 SO 11426)	
Determi	nation of gold in gold jewellery alloys - Cupellation method (fire assa	y)
Ed 2.00	A4 10p EN	Gr 6
	PDF 10p EN	39.060

Specifies a cupellation method (fire assay) for the determination of gold in gold jewellery alloys. The procedure is applicable specifically to gold alloys incorporating silver, copper and zinc. This method is intended to be used as the reference method for the determination of fineness in alloys covered by ISO 9202.

SANS 11427:1993 / ISO 11427:1993 (2008-08-01)

(SABS ISO 11427)

Determination of silver in silver jewellery alloys - Volumetric (potentiometric) method using potassium bromide				
Ed 1.00	A4 7p EN	Gr 7		
	PDF 7p EN	39.060		

Specifies a volumetric method for the determination of silver in silver jewellery alloys, preferably within the range for fineness stated in ISO 9202. These alloys may contain copper, zinc, cadmium and palladium. Apart from palladium, which must be precipitated before commencing titration, these elements do not interfere with this method of determination.

Am 1(National), 2008-08-01

Cor 1(International), 2008-08-01

Gr 6

83.060

83.060

SANS 11431:2012 / ISO 11431:2002 Building construction - Jointing products - Determination of adhesion/cohes and artificial light through glass	ion properties of sealants after exposure to heat, water					
Ed 1.00 A4 11p EN PDF 11p EN	Gr 7					
Specifies a method for the determination of the adhesion/cohesion properties of se a period of exposure to water at a defined temperature.	Specifies a method for the determination of the adhesion/cohesion properties of sealants after cyclic exposure to heat and artificial light followed by a period of exposure to water at a defined temperature.					
SANS 11431-1:2003 / ISO 1431-1:1989 (2009-03-27) Bubber, vulcanized or thermonlastic - Resistance to ozone cracking Part 1: 5	Static strain test					
Ed 1 00 A4 on EN	Gr 6					
PDF 9p EN	83.060					
Specifies a method for the determination of resistance of vulcanized or thermoplas to air containing a definite concentration of ozone and at a definite temperature in	stic rubbers to cracking when exposed, under static tensile strain, circumstances that exclude the effects of direct light.					
SANS 11431-3:2003 / ISO 1431-3:2000 (2009-03-27) Rubber, vulcanized or thermoplastic - Resistance to ozone cracking Part 3: F ozone concentration in laboratory test chambers	Reference and alternative methods for determining the					
Ed 1.00 A4 29p EN	Gr 10					
PDF 29p EN	83.060					
Describes three types of method for the determination of ozone concentration in la method for instrumental techniques and a method for wet-chemical techniques.	boratory test chambers, i.e. a method for UV absorption, a					
SANS 11432:2003 / ISO 1432:1988 (2009-03-27)	oning (Cohmon toot)					
Ed 1 00 A4 95 EN						
PDF 8p EN	83.060					
Specifies a static procedure, known as the Gehman test, for determining the relation over a temperature range from room temperature to -150 degrees Celcius.	ve stiffness characteristics of vulcanized or thermoplastic rubbers					
SANS 11446:2005 / ISO 11446:2004 (2010-12-09) (SABS ISO 11446)						
Road vehicles - Connectors for the electrical connection of towing and tower nominal supply voltage	d vehicles - 13-pole connectors for vehicles with 12 V					
Ed 3.00 A4 14p EN	Gr 7					
Specifies the dimensional characteristics, contact allocations and test requirement and towed vehicles with 12 V nominal supply voltage. Also specifies a park socket	43.040.10 ts for 13-pole connectors for the electrical connection of towing for receiving and storing the plug when it is disconnected.					
SANS 11462-1:2009 / ISO 11462-1:2001	aments of SDC					
Ed 1 00 A4 200 EN						
PDF 30p EN	03.120.30: 25.040.40					
Specifies statistical process control (SPC) system guidelines for use when a suppl design or production needs to be proven or improved or when a supplier is beginning	ier's capability to reduce variation in processes associated with ing SPC implementation to achieve such capability.					
SANS 11490:1995 / ISO 11490:1995 (2010-04-30) (SABS ISO 11490)						
Determination of palladium in palladium jewellery alloys - Gravimetric detern	nination with dimethylglyoxime					
Ed 1.00 A4 7p EN	Gr 6					
PDF 7p EN	39.060					
Specifies a gravimetric method for the determination of palladium in palladium jew 9202. These alloys may contain silver, indium, gallium, copper, cobalt, nickel, tin a by a suitable method and a correction applied.	ellery alloys, preferably within the range of fineness stated in ISO and ruthenium. Coprecipitated elements have to be determined					
SANS 11512:2003 / ISO 11512:1995 (2009-02-20) Machinery for forestry - Tracked special machines - Performance criteria for	brake systems					
Ed 1.00 A4 6p EN PDF 6p EN	Gr 5 65.060.80					
Specifies performance test methods and criteria to enable uniform assessment of specially designed forestry machines. Applies to self-propelled tracked special fore	the service, secondary and parking brake systems of tracked estry machines with a maximum design speed of 20 km/h or less.					
SANS 11527:2012 / ISO 11527:2010						
Building construction - Sealants - Test method for the determination of string	giness					
Ed 1.00 A4 8p EN	Gr 6					
	91.100.50					
Specifies a method for the determination of the stringiness of a wet-applied sealar	it.					

Standards South Africa Catalogue 2013 NUM - 524

SANS 11535:2011 / ISO 11535:2006 Iron ores - Determination of various elements - Inductively coupled plasma atomic emission spectrometric method

Ed 1.00 A4 30p EN PDF 30p EN	Gr 10 73.060.10
Specifies a method for the determination of aluminium, calcium, phosphorus, mainductively coupled plasma atomic emission spectrometry (ICP-AES).	agnesium, manganese, silicon and titanium in iron ores by
SANS 11537:2004 / ISO 11537:1998 (2009-08-07) Non-destructive testing - Thermal neutron radiographic testing - General p	rinciples and basic rules
PDF 21p EN	Gr 9 19.100
Specifies basic practices and conditions that are to be observed for thermal neu	tron radiography of materials and components for flaw detection.
SANS 11540:1993 / ISO 11540:1993 (2007-10-05) (SABS ISO 11540) Caps for writing and marking instruments intended for use by children up	to 14 years of age - Safety requirements
Ed 1.00 A4 8p EN	Gr 6
Specifies safety requirements for caps for writing and marking instruments which years of age.	01.100.40; 97.190 h are designed or clearly intended for use by children up to 14
Am 1(National), 2007-10-05	
SANS 11547:2008 / ISO 11547:1994 Small craft - Start-in-gear protection	
Ed 1.00 A4 5p EN	Gr 5
PDF 5p EN	47.080
Specifies requirements to prevent an outboard motor nom being started in gear,	
SANS 11564:2004 / EN 1564:1997 (2009-05-29) Founding - Austempered ductile cast irons	
Ed 1.00 A4 19p EN PDF 19p EN	Gr 9 77 080 10
Defines the grades and corresponding properties of austempered ductile cast iro measured on machine test pieces.	ons. Specifies a classification based on mechanical properties
SANS 11581-1:2000 / ISO/IEC 11581-1:2000 (2010-10-22) (SABS ISO/IEC 11581-1)	
Information technology - User system interfaces and symbols - Icon symbol	bls and functions Part 1: Icons - General
PDF 14p EN	35.240.01
Applies to software products providing office applications such as document pro their functions via a graphical user interface. Applies to software products for pe necessarily familiar with computer-based applications. Meant to be used by pers graphical user interfaces to computer-based office applications, and by procurer Am 1(National), 2007-08-17	duction, desktop publishing, finance, and planning that present ople who are familiar with office work but who are at present not sons in the design, implementation, and evaluation of icons for is of systems that employ such interfaces.
SANS 11581-3:2000 / ISO/IEC 11581-3:2000 (2010-10-22) (SABS ISO/IEC 11581-3)	
Information technology - User system interfaces and symbols - Icon symbol	ols and functions Part 3: Pointer icons
Ed 1.00 A4 12p EN PDF 12p EN	Gr / 35.240.01
Applies to icons that are shown on a screen, that users can manipulate and inte Addresses only pointer icons. Describes user interaction with and appearance o screen change appearance to give users feedback. Am 1(National), 2007-08-17	ract with, and that represent data or computer system functions. f pointer icons on the screen. Also specifies how pointer icons on a
SANS 11591:2008 / ISO 11591:2000	

Small craft, engine-driven - Field of vision from helm position Ed 1.00 A4 13p EN

Gr 7 PDF 13p EN 47.080

Specifies requirements for the field of vision from the helm position, forward and astern, in small engine-driven craft of hull length up to 24 m. The following craft are exempt from the application of this standard: sailboats, and tiller-steered craft with maximum speed less than 10 kn (10 knots).

SANS 11601:2005	
Wheeled fire extinguishers - Performance and construction	on de la constante de la const
Ed 1.00 A4 33p EN	Gr 11
PDF 33p EN	13.220.10
ISO 11601:1999, MOD	
Specifies the construction and performance requirements inte extinguishers.	nded at ensuring the safety, reliability and performance of wheeled (mobile) fire
SANS 11607-1:2007 / ISO 11607-1:2006	
Packaging for terminally sterilized medical devices Part 1 systems	: Requirements for materials, sterile barrier systems and packaging
Ed 1.00 A4 31p EN	Gr 11
PDF 31p EN	11.080.30
Specifies the requirements and test methods for materials, pro are intended to maintain sterility of terminally sterilized medica	eformed sterile barrier systems, sterile barrier systems and packaging systems that al devices until the point of use.
SANS 11607-2:2007 / ISO 11607-2:2006	
Packaging for terminally sterilized medical devices Part 2	: Validation requirements for forming, sealing and assembly processes
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	11.080.30
Specifies the requirements for development and validation of processes include forming, sealing, and assembly of preformer	processes for packaging medical devices that are terminally sterilized. These ed sterile barrier systems, sterile barrier systems and packaging systems.
SANS 11620:2009 / ISO 11620:2008	
Information and documentation - Library performance ind	licators
Ed 1.00 A4 93p EN	Gr 15
PDF 93p EN	01.140.20
Specifies the requirements of a performance indicator for libratypes. It also provides guidance on how to implement perform	rries and establishes a set of performance indicators to be used by libraries of all ance indicators in libraries where such performance indicators are not already in use.
SANS 11623:2006 / ISO 11623:2002 (2011-02-11)	
Transportable gas cylinders - Periodic inspection and tes	ting of composite gas cylinders
Ed 1.00 A4 44p EN	Gr 15
PDF 44p EN	23.020.30
Gives the requirements for periodic inspection and testing of or of linerless construction, intended for compressed, liquefied o requirements for periodic inspection and testing to verify the in	composite transportable gas cylinders, with aluminium, steel or non-metallic liners or r dissolved gases, of water capacity from 0,5 L up to 450 L. Specifies the ntegrity of such gas cylinders for further service.
SANS 11629:2007 / ISO 11629:2004 (2013-02-22)	
Cranes - Measurement of the mass of a crane and its com	iponents
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	53.020.20
Sets forth basic procedures for measuring the mass of a cran ISO 4306-1.	e as a whole or of its components (or both). Covers the types of cranes as defined in
SANS 11630:2007 / ISO 11630:1997	
Cranes - Measurement of wheel alignment	

Ed 1.00 A4 13p EN Gr 7 PDF 13p EN 53.020.20

Establishes requirements for methods of measuring the alignment of crane wheels in accordance with ISO 4310 (published in South Africa as an identical adoption under the designation SANS 4310), ISO 9373 and ISO 12488-1 (published in South Africa as an identical adoption under the designation SANS 12488-1). The procedures given are based on the use of optical methods for measurement. Permits the use of other methods which ensure at least an equivalent accuracy of measurements. Applies to measurements on four-wheel cranes which move on rails (except railway cranes).

SANS 11640:2011 / ISO 11640:1993				
Leather - Tests for colour fastness - Colour fastness to cycles of to-and-fro rubbing				
Ed 1.00	A4 8p EN	Gr 6		
	PDF 8p EN	59.140.30		

Specifies a method for determining the behaviour of the surface of a leather on rubbing with felt.

Standards South Africa Catalogue 2013

NUMERICAL LIST OF STANDARDS

Gr 8

47.080

Small craft less than 8 m length of hull - Determination of maximum propulsion power rating

SANS 11592:2008 / ISO 11592:2001

Ed 1.00 A4 17p EN

PDF 17p EN

Establishes the requirements for determination of the maximum propulsion power rating for engine-driven small craft with a length of hull of less than 8 m. Is not applicable to personal water craft, canoes and kayaks, inflatable boats, and racing boats (craft designed and constructed solely for competitive racing). Does not specify craft constructional strength requirements related to maximum rated power and does not guarantee security from instability under all conditions of seaway, wind, wakes and waves.

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Packaging for terminally sterilized medical devices Part 2: Validation requirements for forming, sealing and assembly processes			
Ed 1.00	A4 18p EN	Gr 8	
	PDF 18p EN	11.080.30	

SAN

Information and documentation - Library performance indicators	
Ed 1.00 A4 93p EN	

SAN

Ed	1.00	A4 44p EN	
		PDF 44p EN	

SAN

Ed 1.00	A4 11p EN	Gr
	PDF 11p EN	53.0

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Standards South Africa Catalogue 2013 NUM - 527

NUMERICAL LIST OF STANDARDS

SANS 11641:2010 / ISO 11641:1993 Leather - Tests for colour fastness - Colour fastness to perspiration

Ed 1.00 /	A4 8p EN	Gr 6
	PDF 8p EN	59.140.30
Specifies clothing a	a method of determining the colour fastness of leather of all kinds at all s ind lining leathers, as well as leather for the uppers of unlined shoes.	tages of processing, but it applies particularly to gloving,

SANS 11642:2011 / ISO 11642:1993

Leather - Tests for colour fastness - Colour fastness to water

Ed 1.00	A4 8p EN	Gr 6
	PDF 8p EN	59.140.30

Specifies a method for determining the colour fastness to water of leather of all kinds at all stages of processing.

SANS 11644:2009 / ISO 11644:1993

Leather		
Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	59.140.30

Specifies a method for measuring the adhesion of the finish to the leather or the adhesion between two adjacent layers of the finish.

SANS 11648-1:2005 / ISO 11648-1:2003 (2011-03-18)

Sta	tistica	I aspects of sampling from bu	Ik materials Part 1: General principles	
Ed	1.00	A4 99p EN	(Gr 15
		PDF 99p EN	0	3.120.30

Establishes the general principles for the application and statistical treatment of the sampling of bulk materials. Provides general guidance and examples for estimating necessary variances and checking precision and bias when the average value of a quality characteristic is investigated. Gives information relating to the statistical analyses of serial data, by the use of variograms and correlograms. Defines the basic terms with definitions for the sampling of bulk materials. These terms are necessary for providing a better understanding of sampling techniques as well as making it easier to fulfil requirements.

SANS 11648-2:2005 / ISO 11648-2:2001 (2011-03-18)

Statistical aspects of sampling from bulk materials Part 2: Sampling of particulate materials

Ed 1.00	A4 109p EN	Gr 16
	PDF 109p EN	03.120.30

Establishes the basic methods for sampling particulate materials in bulk (e.g. ores, mineral concentrates, coal, industrial chemicals in powder or granular form, and agricultural products such as grain) from moving streams and stationary situations, including stopped-belt sampling, to provide samples for measuring one or more variables in an unbiased manner and with a known degree of precision. The variables are measured by chemical analysis or physical testing (or both). These sampling methods are applicable to materials that require inspection to verify compliance with product specifications or contract settlements, to calculate the value of the lot mean of a measurable quantity as a basis for settlement between trading partners, or to estimate the set of variables and variances that describes a system or procedure.

SANS 11660-1:2009 / ISO 11660-1:2008

Cranes - Access, guards and restraints Part 1: General

Ed 2.00	A4 27p EN	Gr 10	
	PDF 27p EN	53.020	.20

Establishes the general requirements for access to control stations and other areas of cranes as defined in ISO 4306-1, during normal operations, maintenance, inspection, erection, dismantling and emergency. It also deals with guards and restraints in general, concerning the protection of persons on or near the crane with regard to moving parts, falling objects or live parts.

SANS 11660-2:2007 / ISO 11660-2:1994 (2013-02-22)

Cranes - Access, guards and restraints Part 2: Mobile cranes

Ed 1.00	A4 16p EN	Gr 8
	PDF 16p EN	53.020.20

Specifies criteria for steps, stairways, ladders, walkways, platforms, handrails, handholds, guardrails and entrance openings which permit access to and from the operator, inspection or maintenance platforms on mobile cranes as defined in ISO 4306-2 and parked in accordance with the manufacturer's instruction. It also presents requirements for guards and restraints as related to moving parts.

SANS 11660-3:2009 / ISO 11660-3:2008

Cranes -	Access, guards and restraints Part 3: Tower cranes	
Ed 2.00	A4 10p EN PDF 10p EN	Gr 6
	- 1-	55.020.20

Establishes the particular requirements relating to access, guards and restraints for tower cranes as defined in ISO 4306-3 (published in South Africa as an identical adoption under the designation SANS 4306-3).

nds at all sta

SANS 11690-1:1996 / ISO 11690	996 (2012-08-17)
(SABS ISO 11690-1)	
Acoustics - Recommended practice	ofor the design of low-noise workplaces containing machinery Part 1: Noise control strategies
Ed 1.00 A4 30p EN	Gr 10
PDF 30p EN	13.140
applicable to all types of workplac Am 1(National), 2006-12-01	nd all types of sources of sound which are met in workplaces, including human activities.
	Standards South Africa Catalogue 2013
	NUM - 528

Specifies a standard presentation or format for mobile crane rated capacities on rated capacity charts. Is applicable to mobile cranes fitted with jibs

Gr 7

53.020.20

SANS 11662-1:2007 / ISO 11662-1:1995	newfermanne Deut 1. Tinning lands and radii
Ed 1.00 A4.12p EN	performance Part 1: Tipping loads and radii
PDF 12p EN	53.020.20
Specifies a test method to determine the maximum capa cranes whose capacity to support loads is based on its based on structural strength or on limitations due to ava in ISO 4306-2.	acity of a mobile crane to counterbalance loads applied on its hook block. Is applicable for static resistance to overturning. The test shall not be used on cranes whose capacity is ilable load hoist, jib hoist or jib telescope capability. Applies to all mobile cranes as defined
SANS 11687-1:2005 / ISO 11687-1:1995 (2010-04-30)	
Plain bearings - Pedestal plain bearings Part 1: Pillo	w blocks
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	21.100.10
Specifies design characteristics for pillow blocks for size	ranges 9 to 28 and 35 to 71, as well as design characteristics for shafts.
SANS 11687-2:2005 / ISO 11687-2:1995 (2010-04-30) Plain bearings - Pedestal plain bearings Part 2: Side Ed 1.00 A4 10p EN PDF 10p EN	flange bearings Gr 6 21.100.10
Specifies design characteristics for side flange bearings	for the size range 9 to 28, as well as design characteristics for shafts.
SANS 11687-3:2005 / ISO 11687-3:1995 (2010-04-30) Plain bearings - Pedestal plain bearings Part 3: Cent	tre flange bearings
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	21.100.10
Specifies design characteristics for centre flange bearing	gs for the size range 9 to 28, as well as design characteristics for shafts.
SANS 11688-1:1995 / ISO/TR 11688-1:1995 (2006-12-0 (SABS ISO/TR 11688-1))1)
Acoustics - Recommended practice for the design o	f low-noise machinery and equipment Part 1: Planning
Ed 1.00 A4 42p EN	Gr 13
PDF 42p EN	17.140.20; 21.020

Aids in understanding the basic concepts of noise control in machinery and equipment. It is intended to assist the designer at any design stage to control the noise of the final product. Methodical development of products was chosen as a basis for the structure of this document. The list of design rules given is not exhaustive. Other technical measures for reducing noise at the design stage may be used if their efficacy is identical or higher.

Am 1(National), 2006-12-01

SANS 11661:2007 / ISO 11661:1998

PDF 13p EN

Ed 1.00 A4 13p EN

Mobile cranes - Presentation of rated capacity charts

as defined in ISO 4306-2 and when used in the lifting mode.

(SABS ISO/TR 11688-2) Acoustics - Recommended practice for the design of low-noise machinery and equipment Part 2: Introduction to the physics of low-

Ed 1.00 A4 51p EN

Provides the physical background for the low-noise design rules and examples given in ISO/TR 11688-1 (published in South Africa as an identical adoption under the designation SANS 11688-1) and supports the use of extensive special literature. It is intended for use by designers of machinery and equipment as well as users or buyers (or both) of machines and authorities in the field of legislation, supervision or inspection. Am 1(National), 2006-12-15

17.140.20; 21.020

SANS 11688-2:1998 / ISO/TR 11688-2:1998 (2012-08-17)

noise design Gr 13

PDF 51p EN

SANS 11690-2:1996 / ISO 11690-2:1996 (2012-08-17) (SABS ISO 11690-2)	
Acoustics - Recommended practice for the design of low-noise workpla	ces containing machinery Part 2: Noise control measures
Ed 1.00 A4 33p EN	Gr 11
PDF 33p EN	13.140
Deals with the technical aspects of noise control in workplaces. It deals only	with audible sound
Am 1/National) 2006-12-01	
Am (National), 2000-12-01	
SANS 11690-3:1997 / ISO/TR 11690-3:1997 (2012-08-17)	
(SABS ISO/TR 11690-3)	
Acoustics - Recommended practice for the design of low-noise workpla	ces containing machinery Part 3: Sound propagation and
noise prediction in workrooms	
Ed 1.00 A4 41p EN	Gr 12
PDF 41p EN	13.140
Covers sound propagation in a room together with the prediction of sound pro- description of the physical phenomena involved in a noise prediction scheme this situation is modelled (input parameters, calculation techniques). This dep described.	essure levels and noise immission at the workplace. Details of the e are strongly dependent on the situation being considered and the way bendency is surveyed and the methodology for noise prediction is
Am 1(National), 2006-12-01	
SANS 11699-1-2010 / ISO 11699-1-2008	
Non-destructive testing - Industrial radiographic film Part 1: Classificati	on of film systems for industrial radiography
Ed 2.00 A4.14n EN	Gr 7
PDF 14p EN	19 100: 37 040 25
De ele with the performance of film exetence and intervals to every thet the im-	
international standards.	lage quality of radiographs is in conformity with the requirements of
SANS 11699-2:2005 / ISO 11699-2:1998 (2010-03-31)	
Non-destructive testing - Industrial radiographic films Part 2: Control of	film processing by means of reference values
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	19.100: 37.040.25
Describes a procedure for the control of film processing systems	
SANS 11722:2005 / ISO 11722:1999 (2010-04-30)	
Solid mineral fuels - Hard coal - Determination of moisture in the generation	al analysis test sample by drying in nitrogen
Ed 1.00 A4 10p EN	Gr 6
PDF 10p EN	73 040
Charifing a method for determining the mainture in the general applying test	acomple of hard and hu draing in nitragen
specifies a method for determining the moisture in the general analysis test	sample of hard coal by drying in hitrogen.
SANS 11724·2007 / ISO 11724·2004	
Solid mineral fuels - Determination of total fluorine in coal, coke and fly	ash
Ed 1.00 A4.16p EN	Gr 8
PDF 16p EN	75 160 10
specifies a method for the determination of total fluorine in coal, coke and fly to estimate the amount of fluorine released to the environment by utilization of	of the coal and subsequent disposal of the ash residue.
SANS 11731:2008 / ISO 11731:1998	
Water guality - Detection and enumeration of Legionella	
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	07 100 20: 13 060 70
Dependence of a state marked for the instate of the stars the second state of the stars of the s	
kinds of environmental samples including potable, industrial, and natural wat	ers and associated materials such as sediments, deposits and slime.

SANS 11731-2:2009 / ISO 11731-2:2004

Water quality - Detection and enumeration of Legionella Part 2: Direct membrane filtration method for waters with low bacterial counts

Ed 1.00 A4 14p EN PDF 14p EN

Describes a monitoring method for the isolation and enumeration of Legionella organisms in water intended for human use (e.g. hot and cold water, water used for washing), for human consumption and for treated bathing waters (e.g. swimming pools). It is especially suitable for waters expected to contain low numbers of Legionella. As the growth of Legionella may be inhibited by overgrowth of other bacterial colonies on the membrane, this method is only suitable for waters containing low bacterial counts.

Gr 7

07.100.20; 13.060.70

SANS 11732:2006 / ISO 11732:2005 (2012-03-30) (SABS ISO 11732)

Water quality - Determination of ammonium nitrogen - Method by flow analysis (CFA and FIA) and spectrometric detection

Ed	2.00	A4 25p EN
		PDF 25p EN

Gr 10 13.060.50

Specifies methods suitable for the determination of ammonium nitrogen in various types of waters (such as ground, drinking, surface, and waste waters) in mass concentrations ranging from 0,1mg/L to 10 mg/L (in the undiluted sample), applying either FIA or CFA. May adapt the range of applications in particular cases by varying the operating conditions.

SANS 11760:2007 / ISO 11760:2005 (2012-03-23)

Classification of coals

Ed 1.00	A4 16p EN	Gr 8
	PDF 16p EN	73.040

Describes a simple classification system for coals providing guidance on the selection of the appropriate ISO standard procedures for the analyses and testing of coals, international comparison of coals in terms of some key characteristics, and descriptive categorization of coals. The system is applicable to coals of all ranks, but care is required in relation to the classification of some types of coal. The system may be applied to a wide range of representative coal samples, provided their exact nature is stated. Such samples include bore-core seam sections and composite samples, raw (as-mined) coal, washed coal, blends of coals of similar rank and selected, specified size fractions.

SANS 11770-1:2012 / ISO/IEC 11770-1:2010

Informat	ion technology - Se	curity techniques	- Key managemen	t Part 1: Framework
Ed 2.00	A4 36p EN			Gr 11
	PDF 36p EN			35.040

Establishes the general model on which key management mechanisms are based, defines the basic concepts of key management, specifies the characteristics of key management services, establishes general principles on the management of keying material during its life cycle, and establishes the conceptual model of key distribution.

SANS 11770-2:2008 / ISO/IEC 11770-2:2008

Informat	ion Technology - Security techniqu	es - Key management Part 2: Mechanisms using symmetric techniques
Ed 2.00	A4 32p EN	Gr 11
	PDF 32p EN	35.040

Specifies a series of 13 mechanisms for establishing shared secret keys using symmetric cryptography. These mechanisms address three different environments for the establishment of shared secret keys: point-to-point key establishment schemes, mechanisms using a Key Distribution Centre (KDC), and techniques that use a Key Translation Centre (KTC). ISO/IEC 11770-2:2008 describes the content of messages which carry keying material or are necessary to set up the conditions under which the keying material can be established. This second edition is a technically revised version of the first edition: Mechanism

SANS 11770-3:2009 / ISO/IEC 11770-3:2008

Informat	ion technology - Security techniques - Key management Part 3: Me	chanisms using asymmetric techniques
Ed 2.00	A4 91p EN	Gr 15
	PDF 91p EN	35.040

Defines key management mechanisms based on asymmetric cryptographic techniques and use of such techniques. Does not cover the implementations of the transformations used in the key management mechanisms.

SANS 11770-4:2007 / ISO/IEC 11770-4:2006 (2011-10-28)

Informat	ion technology - Security techniques - Key management Pa	rt 4: Mechanisms based on weak secrets
Ed 1.00	A4 38p EN	Gr 11
	PDF 38p EN	35 040

Specifies cryptographic techniques specifically designed to establish one or more secret keys based on a weak secret derived from a memorized password, while preventing off-line brute-force attacks associated with the weak secret.

SANS 11798:2006 / ISO 11798:1999 (2012-03-16)

Information and documentation - Permanence and durability of writing, printing and copying on paper - Requirements and test methods

Ed 1.00 A4 18p EN PDF 18p EN

Gr 8 01.140.20; 37.100.20; 87.080

Specifies requirements and test methods for evaluation of the permanence and durability of writing, printing and copying on paper stored in libraries, archives and other protected environments for long periods of time. Applicable to images on paper and multicoloured images.

SANS 11799:2005 / ISO 11799:2003 (2011-02-24)

Information and documentation - Docu	cument storage requirements fo	r archive and library materials
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Ed 1.00	A4 21p EN	Gr 9
	PDF 21p EN	01.140.20

Specifies the characteristics of general-purpose repositories used for the long-term storage of archive and library materials. Covers the siting and construction of the building and the installation and equipment to be used.

SANS 11801:2012 / ISO/IEC 11801:20 (SARS ISO/IEC 11801)	11	
Information technology - Generic cat	pling for customer premises	
Ed 2.02 A4 152p EN		Gr 18
PDF 152p EN		35.110; 35.200
Specifies a generic cabling for use withi optical fibre cabling, and is optimised fo 000 m.	in premises, which may comprise single or r premises in which the maximum distance	multiple buildings on a campus. Covers balance cabling and over which telecommunication services can be distributed is 2
Cor 1(International), 2004-07-16 Cor 3(International), 2009-06-26	Cor 2(International), 2004-07-16 Cor 1 on Am 1(International), 2009-12-	Am 1(International), 2008-07-25 04 Am 2(International), 2011-12-09
SANS 11812:2008 / ISO 11812:2001		
Small craft - Watertight cockpits and	quick-draining cockpits	
Ed 1.00 A4 43p EN PDF 43p EN		Gr 12 47 080
Specifies requirements for cockpits and Does not set requirements for the size a and not by pumping or other methods.	recesses to be designated either as water and shape of a cockpit or recess, nor wher	tight or as quick-draining on small craft of hull length up to 24 m. or where it shall be used. Only considers draining by gravity,
SANS 11817:2011 / ISO 1817:2005 Rubber, vulcanized - Determination c	of the effect of liquids	
Ed 2.00 A4 22p EN	·	Gr 8
PDF 22p EN		83.060
Describes methods of evaluating the read after immersion in test liquids.	sistance of vulcanized rubbers to the action	n of liquids by measurement of properties of the rubbers before
SANS 11820:2008 / ISO 1182:2002 Reaction to fire tests for building pro	ducts - Non-combustibility test	
Ed 1.00 A4 38p EN		Gr 11
PDF 38p EN		13.220.50; 91.100
Specifies a method of test for determini substantial components of non-homoge	ng the no-combustibility performance, und eneous building products. Information on th	er specified conditions, of homogeneous products and e precision of the test method is given in annex A.
SANS 11843-1:2009 / ISO 11843-1:199 Capability of detection Part 1: Terms	97 and definitions	
Ed 1.00 A4 17p EN		Gr 8
PDF 17p EN		01.040.03; 01.040.17; 03.120.30; 17.020
Specifies SPC system guidelines for us to be proven or improved; or when a su or certification use.	e when a supplier's capability to reduce va pplier is beginning SPC implementation to	riation in processes associated with design or production needs achieve such capability. Not intended for contractual, regulatory
Cor 1(International), 2009-09-23		
SANS 11843-2:2009 / ISO 11843-2:200 Capability of detection Part 2: Metho	00 dology in the linear calibration case	
Ed 1.00 A4 31p EN		Gr 11
PDF 31p EN		03.120.30; 17.020
Specifies basic methods to design experience variable and the minimum detectable variable	eriments for the estimation of the critical va	lue of the net state variable, the critical value of the response the these characteristics from experimental data for the cases in

variable and the minimum detectable value of the net state variable and to estimate these characteristics from experimental data for the cases in which the calibration function is linear and the standard deviation is either constant or linearly related to the net state variable. Applicable to various situations such as checking the existence of a certain substance in a material, the emission of energy from samples or plants, or the geometric change in static systems under distortion.

Cor 1(International), 2009-09-23

SANS 11843-3:2009 / ISO 11843-3:2003

Capability of detection Part 3: Methodology for determination of the critical value for the response variable when no calibration data are used

Ed 1.00 A4 16p EN Gr 8 PDF 16p EN 03.120.30; 17.020

Gives a method for estimating the critical value of the response variable from the mean and standard deviation of repeated measurements of the reference state in situations in which the value of the net state variable is zero. Gives procedures for the determination of the critical value of the response variable in situations where no calibration data are used and the distribution of data is assumed to be normal or near normal. Procedure given is recommended for situations in which it is difficult to obtain a large amount of the actual states although a large amount of the basic state can be prepared.

Gr 7

03.120.30; 17.020

03.120.30: 17.020

SANS 11843-4:2009 / ISO 11843-4:2003

Capability of detection Part 4: Methodology for comparing the minimum detectable value with a given value

Ed 1.00 A4 13p EN

PDF 13p EN

Deals with the assessment of the capability of detection of a measurement method without the assumptions in ISO 11843-2 of a linear calibration curve and certain relationships between the residual standard deviation and the value of the net state variable. Provides a criterion for judging whether the minimum detectable value is less than a given level of the net state variable and the basic experimental design for testing the conformity of this criterion.

SANS 11843-5:2009 / ISO 11843-5:2008

Capability of detection Part 5: Methodology in the linear and non-linear calibration cases Gr 9

Ed 1.00 A4 22p EN PDF 22p EN

Deals with calibration functions that are either linear or non-linear. Specifies basic methods to construct a precision profile for the response variable, transform this into a precision profile for the net state variable and use the latter precision profile to estimate the critical value and minimum detectable value of the net state variable.

SANS 11850:2003 / ISO 11850:2003 (2009-02-20)

Machinery for forestry - Self-propelled machinery - Safety requirements

Ed 1.00 A4 15p EN PDF 15p EN

Specifies safety requirements for common design aspects of mobile, ride-on, self-propelled forestry machines. It is applicable to fellers, bunchers, delimbers, forwarders, log loaders, skidders, processors, harvesters, and multi-function versions of these machine types, as defined in ISO 6814.It covers certain hazards common to forestry machinery, but does not, as a standard that addresses common requirements, deal with all the hazards (noise, vibration, thrown objects, etc.) which could exist on a particular machine.

SANS 11853:2003 / ISO 1853:1998 (2009-03-27)

Conducting and dissipative rubbers, vulcanized or thermoplastic - Measurement of resistivity

Ed 1.00	A4 9p EN	Gr 6
	PDF 9p EN	83.060

Specifies the requirements for the laboratory testing of the volume resistivity of specially prepared test pieces of vulcanized or thermoplastic rubber compounds rendered conducting or dissipative by the inclusion of carbon black or ionizable materials. Antistatic properties may also be conferred on rubber materials by the incorporation of ionizable materials into the rubber mix. The test is suitable for materials with a resistivity of less than 10.10 Ohms/m.

SANS 11857:1999 / ISO 11857:1999 (2012-02-17)

(SABS ISO 11857)

Textile floor coverings - Determination of resistance to delamination

Ed 1.00 A4 6p EN PDF 6p EN

Describes a method for the determination of the force required to separate the plies of textile floor coverings. Applies to all types of textile floor coverings with a secondary or foam backing. The results obtained by this method are useful as a control of production but cannot be considered to be a reliable indication of in-use performance.

Am 1(National), 2006-03-24

SANS 11870:2012 / ISO 11870:2009

Milk and	I milk products - Determination of fat content - General guidance on t	he use of butyrometric methods
Ed 2.00	A4 14p EN	Gr 7
	PDF 14p EN	67.100.01
Gives gu principle relation t	idance on existing standardized methods (both reference and butyrometric s underlying any acid-butyrometric analysis and the main operating require o the relevant reference method.	c) for the determination of fat in various milk products, the ments, and a validation procedure for a butyrometric method in

SANS 11885:2008 / ISO 11885:2007

(SABS ISO 11885)

Water quality - Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES)

Ed 2.00 A4 35p EN PDF 35p EN

Specifies a method for the determination of dissolved elements, elements bound to particles ("particulate") and total content of elements in different types of water (e.g. ground, surface, raw, potable and waste water) for the following elements: aluminium, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium, calcium, chromium, cobalt, copper, gallium, indium, iron, lead, lithium, magnesium, manganese, molybdenum, nickel, phosphorus, potassium, selenium, silicon, silver, sodium, strontium, sulfur, tin, titanium, tungsten, vanadium, zinc and zirconium. The method is suitable for mass concentrations of particulate matter in waste water below 2 g/l.

SANS 11890-1:2004 / ISO 11890-1:2000 (2009-03-13)

Paints and varnishes - Determination of volatile organic compound (VOC) content Part 1: Difference method Gr 7

Ed 1.00 A4 11p EN PDF 11p EN

Specifies a method for the determination of the volatile organic compound (VOC) content of paints, varnishes and their raw materials. This part may be used where the expected VOC content is greater than about 15 % by mass.

Gr 8

65.060.80

59.080.60

Gr 5

13.060.50

87.040

Gr 11

SANS 11890-2:2004 / ISO 11890-2:2000 (2009-03-13)

Paints and varnishes - Determination of volatile organic compound (VOC) content Part 2: Gas-chromatographic method Ed 1.00 A4 18p EN Gr 8 PDF 18p EN 87.040

Specifies a method for the determination of the volatile organic compound (VOC) content of paints, varnishes and their raw materials. This part shall be used where the expected VOC content is greater than 0,1 % by mass and less than about 15 % by mass.

SANS 11903:2010 / ISO 11903:2008

Tools for pressing - Guide pillar mountings

Ed 2.00	A4 9p EN	Gr 6
	PDF 9p EN	25.120.10

Specifies the dimensions and tolerances, in millimetres, of guide pillar mountings intended for mounting with or without guide bush. It also specifies the material and the designation of guide pillar mountings that are in accordance with its specifications.

SANS 11922-1:1997 / ISO 11922-1:1997 (2012-07-06)

(SABS ISO 11922-1)

Thermoplastics pipes for the conveyance of fluids -	Dimensions and tolerances Part 1: Metric series
Ed 1.00 A4 18p EN	Gr 8

00	A4 18p EN	Gr 8
	PDF 18p EN	23.040.20

Specifies tolerance grades for the outside diameter, out-of-roundness and wall thickness of metric thermoplastics pipes for the conveyance of fluids and manufactured with nominal outside diameters and nominal pressures in accordance with ISO 161-1 and nominal wall thicknesses in accordance with ISO 4065 (published in South Africa as an identical adoption under the designation SANS 4065). Is applicable to smooth thermoplastics pipes of constant circular cross-section along the whole length of the pipe, whatever the method of manufacture, the pipe material or the intended application.

Am 1(National), 2007-08-31

SANS 11954:2010 / ISO/TR 11954:2008

Fuel cell road vehicles - Maximum speed measurement

Ed 1.00	A4 12p EN	Gr 7
	PDF 12p EN	43.120

Describes test procedures for measuring the maximum road speed of fuel cell passenger cars and light duty trucks which use compressed hydrogen and which are not externally chargeable, in accordance with national or regional standards or legal requirements.

SANS 11955:2010 / ISO/TR 11955:2008

Hybrid-electric road vehicles - Guidelines for charge balance measurement

-	-		
Ed 1.00	A4 15p EN	G	àr 8
	PDF 15p EN	43	3.120

Describes procedures of charge balance measurement to ensure necessary and sufficient accuracy of a fuel consumption test on hybrid-electric vehicles (HEV) with batteries, which is conducted based on ISO 23274 (published in South Africa as an identical adoption under the designation SANS 23274).

SANS 11994:2008 / ISO 11994:1997

Cranes - Availability - Vocabulary

Ed 1.00	A4 15p EN	Gr 8
	PDF 15p EN	01.040.53; 53.020.20

Establishes generally accepted terms and definitions relating to availability of all types of cranes as defined in ISO 4306-1 with the aim of making contracts and mutual understanding easier. The terms and definitions are to be used by crane designers, manufacturers, inspecting authorities, users and others.

SANS 12004-1:2010 / ISO 12004-1:2008

Metallic materials - Sheet and strip - Determination of forming-limit curves Part 1: Measurement and application of forming-limit diagrams in the press shop

Ed 1.00 A4 15p EN PDF 15p EN Gr 8 77.040.10; 77.140.50

Provides guidelines for developing forming-limit diagrams and forming-limit curves for metal sheets and strips of thicknesses from 0,3 mm to 4 mm.

SANS 12004-2:2010 / ISO 12004-2:2008

Metallic materials - Sheet and strip - Determination of forming-limit curves Part 2: Determination of forming-limit curves in the laboratory

Ed 1.00	A4 34p EN	Gr 11
	PDF 34p EN	77.040.10; 77.140.50

Specifies the testing conditions to be used when constructing a forming-limit curve (FLC) at ambient temperature and using linear strain paths. The material considered is flat, metallic and of thickness between 0,3 mm and 4 mm.

Applicable to journal or thrust plain bearing u crankshaft bearing units in combustion engin	nits or to a combination of es.	both, installed e	either horizontally or	vertically. It is no	ot applicable to
	Standards South Africa C	Catalogue 2013			

Specifies tolerances on form and position as well as the surface roughness of shafts, flanges and thrust collars as used in plain bearing units.

NUM - 534

NUMERICAL LIST OF STANDARDS

SANS 12029:2007 / ISO/TS 12029:2007 (2013-01-18)

Electronic imaging - Forms design optimization for electronic image management Ed 1.00 A4 23p EN Gr 10

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PDF 23p EN

Provides guidelines for the design of forms to be completed by users and scanned for processing by electronic image management (EIM) systems

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37.080

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21.100.20

21.100.20

43.040.10

Gr 6

Gr 7

Gr 6

21.100.10

83.080.20; 83.140.30

21.100.10; 21.260

SANS 12043:2006 / ISO 12043:1995

PDF 6p EN

Rolling bearings - Single-row cylindrical roller be	arings - Chamter dimensions for loose rib and non-rib sides
Ed 1.00 A4 6p EN	Gr 5

Specifies, for the diameter series 0, 2 and 3, the minimum chamfer dimensions for non-rib sides and loose ribs of single-row cylindrical roller bearings where these dimensions differ from the minimum chamfer dimensions specified in SANS 445.

<u>.</u>....

SANS 12044:2006 / ISO 12044:1995 (2012-07-20)

Rolling bearings - Single-row angular contact ball bearing	igs - Chamfer dimensions for outer ring non-thrust side
Ed 1 00 A4 6p EN	Gr 5

Ed 1.00 A4 6p EN PDF 6p EN

Specifies the minimum chamfer dimensions for the non-thrust side of single-row angular contact ball bearing outer rings where the minimum dimensions differ from those specified in SANS 445. Applicable for bearings in the diameter series 9, 0 and 2 for contact angles up to and including 30 degrees, and in the diameter series 2 and 3 for contact angles over 30 degrees, and in the diameter series 2 and 3 for contact angles over 30 degrees.

SANS 12083:2010 / ISO 12083:1994

Information and documentation - Electronic manuscript preparation and markup

Ed 1.00	A4 191p EN	Gr 19
	PDF 191p EN	35.240.30

Presents four document type definitions and additional facilities conforming to ISO 8879. Is intended to provide documentarchitectures for the creation and interchange of books, articles and serial publications.

SANS 12098:2005 / ISO 12098:2004 (2010-12-09)

(SABS ISO 12098)

PDF 17p EN

Road vehicles - Connectors for the electrical connection of towing and towed vehicles - 15-pole connector for vehicles with 24 V nominal supply voltage Ed 2.00 A4 17p EN Gr 8

Specifies the dimensions, the contact allocation and test requirements for 15-pole connectors for the electrical connection of equipment other than braking systems and running gear of towing and towed vehicles with 24 V nominal supply voltage. Also specifies a park socket used to receive and store the plug when disconnected, and a means of adaptation between 7-pole and 15-pole connectors.

SANS 12107:2003 / EN 12107:1997 (2009-07-31)

Plastics piping systems - Injection-moulded thermoplastics fittings, valves and ancillary equipment - Determination of the long-term hydrostatic strength of thermoplastics materials for injection moulding of piping components

Ed 1.00 A4 8p EN PDF 8p EN

Specifies methods for preparing tubular test pieces for testing thermoplastics materials used for injection moulding, to evaluate the long-term resistance to constant internal water pressure at constant temperature and to check the hydrostatic strength of the material.

SANS 12128:2006 / ISO 12128:2001 (2012-07-20)

Plain bearings - Lubrication holes, grooves and pockets - Dimensions, types, designation and their application to bearing bushes

Ed 1.00 A4 13p EN PDF 13p EN

Specifies dimensions for lubrication holes, grooves and pockets for bearing bushes. In addition, it enables the user to assign the different types of lubricant feed and distribution to plain bearing bushes made of copper alloys, thermosetting plastics, thermoplastics or of artificial carbon.

SANS 12129-1:2006 / ISO 12129-1:1995 (2012-10-05)

Plain bearings	Part 1: Fits
Ed 1 00 A100	

Ed 1.00 A4 8p EN PDF 8p EN

Ed 1.00 A4 6p EN

PDF 6p EN

Specifies a system of fits applicable to metallic plain bearings used in general engineering for mean relative bearing clearances of 0,056 % up to 0.315 %

SANS 12129-2:2006 / ISO 12129-2:1995 (2012-10-05) Plain bearings Part 2: Tolerances on form and position and surface roughness for shafts, flanges and thrust collars

Gr 5 21.100.10

SANS 12142:2006 / ISO 12142:2001 (2013-01-18)

Electronic imaging - Media error monitoring and reporting techniques for verification of stored data on optical digital data disks

Ed 1.00 A4 76p EN PDF 76p EN

Gr 14 35.220.30; 37.080

Specifies two techniques for media error monitoring and reporting for the verification of data stored on optical digital data disks. It applies to both rewritable and read only optical disk media.

SANS 12170:2004 / ISO 12170:1996 (2009-03-27)

Gas welding equipment - Thermoplastic hoses for welding and allied processes

Ed 1.00 A4 12p EN PDF 12p EN

23.040.70; 25.160.30

71.060.50: 71.100.80

Gr 7

Gr 8

Specifies the requirements and relevant methods of measurement and testing of two types of thermoplastic hoses with maximum design working pressure of 1 MPa and of 2 MPa, used for flexible gas supply lines in specific fields of application.

SANS 12173:2007 / EN 12173:2005 (2013-01-18)

(SABS EN 12173)

Chemicals used for treatment of water intended for human consumption - Sodium fluoride

Ed 2.00 A4 18p EN

PDF 18p EN

Applies to sodium fluoride used for treatment of water intended for human consumption. Describes the characteristics of sodium fluoride and specifies the requirements and the corresponding test methods for sodium fluoride. Gives information on its use in water treatment and determines the rules relating to safe handling and use.

SANS 12174:2007 / EN 12174:2006 (2013-01-18)

(SABS EN 12174)

Chemicals used for treatment of water intended for human consumption - Sodium hexafluorosilicate

Ed	2.00	A4 19p EN
		PDF 19p EN

Applicable to sodium hexafluorosilicate used for treatment of water intended for human consumption. Describes the characteristics of sodium hexafluorosilicate and specifies the requirements and the corresponding test methods for sodium hexafluorosilicate. Gives information on its use in water treatment and also determines the rules relating to the safe handling and use of sodium hexafluorosilicate.

SANS 12175:2007 / EN 12175:2006 (2013-01-18)

(SABS EN 12175) Chemicals used for treatment of water intended for human consumption - Hexafluorosilicic acid

Ed 2.00	A4 22p EN	Gr 9	
	PDF 22p EN	71.100.80	

Applicable to hexafluorosilicic acid used for treatment of water intended for human consumption. Describes the characteristics of hexafluorosilicic acid and specifies the requirements and the corresponding test methods for hexafluorosilicic acid. Gives information on its use in water treatment and also determines the rules relating to the safe handling and use of hexafluorosilicic acid.

SANS 12176-1:2010 / ISO 12176-1:2006

Plastics pipes and fittings - Equipment for fusion jointing polyethylene systems Part 1: Butt fusion

Ed 1.00 A4 25p EN PDF 25p EN

Specifies the general characteristics of, and performance requirements for, equipment for butt fusion jointing of polyethylene (PE) piping systems using electrically powered heater plates.

SANS 12176-2:2010 / ISO 12176-2:2008

Plastics pipes and fittings - Equipment for fusion jointing polyethylene systems Part 2: Electrofusion

Ed 1.00 A4 24p EN PDF 24p EN

Specifies performance requirements for electrofusion control units for use with polyethylene (PE) electrofusion fittings for the supply of gaseous fuels or for the conveyance of water for human consumption, including raw water prior to treatment, and for the conveyance of water for general purpose or other fluids.

SANS 12176-3:2010 / ISO 12176-3:2006

Plastics pipes and fittings - Equipment for fusion jointing polyethylene systems Part 3: Operator's badge

Ed 1.00 A4 13p EN PDF 13p EN

23.040.20; 23.040.45; 25.160.01; 75.200

23.040.20; 23.040.45; 75.200; 83.140.30

Describes the format and the contents of a fusion operator's badge, which is used during the construction of polyethylene (PE) piping systems for the supply of gaseous fuels or water to identify the fusion operator and to activate or deactivate the fusion-jointing equipment.

SANS 12176-4:2010 / ISO 12176-4:2003

Plastics pipes and fittings - Equipment for fusion jointing polyethylene systems Part 4: Traceability coding

Ed 1.00 A4 31p EN PDF 31p EN

Specifies an encoding system for data on components, assembly methods and jointing operations for polyethylene (PE) piping systems for gas supply, for use in a traceability system.

Standards South Africa Catalogue 2013

Gr 9

71.100.80

Gr 10

23.040.20; 23.040.45; 75.200

23.040.20; 23.040.45; 75.200

Gr 10

Gr 7

Gr 11

NUM - 535

Gr 12

01.020; 01.140.20

SANS 12199:2008 / ISO 12199:2000 (2013-01-18)

Alphabetical ordering of multilingual terminological and lexicographical data represented in the Latin alphabet

Ed 1.00 A4 47p EN PDF 47p EN

Specifies the sequence of characters to be used in the alphabetical ordering of multilingual terminological and lexicographical data (terms, term elements, or words) represented in the Latin alphabet. Character sets of languages represented in the Latin alphabet are taken into account insofar as terminological or lexicographical data have been recorded. Character sets used in internationally standardized transliteration into Latin script are also taken into account.

SANS 12200:2008 / ISO 12200:1999 (2013-01-18) Computer applications in terminology - Machine-readable terminology interchange format (MARTIF) - Negotiated interchange Ed 1.00 A4 159p EN Gr 18 PDF 159p EN 01.020; 35.240.30

Designed for use with terminological data that can be stored, read, retrieved and manipulated by a computer. Is not limited to any specific software or hardware configurations. Provides guidance for programmers and analysts in designing export and import software for data interchange between terminology databases.

SANS 12207:2008 / ISO/IEC 12207:2008

(SABS IS	O/IEC 12207)	
Systems	and software engineering - Software life cycle processes	
Ed 2.00	A4 138p EN PDF 138p EN	Gr 17 35.080

Establishes a common framework for software life cycle processes, with well-defined terminology, that can be referenced by the software industry. It contains processes, activities, and tasks that are to be applied during the acquisition of a software product or service and during the supply, development, operation, maintenance and disposal of software products. Software includes the software portion of firmware. It also provides a process that can be employed for defining, controlling, and improving software life cycle processes.

SANS 12215-1:2008 / ISO 12215-1:2000

Small craft - Hull construction and scantlings Part 1: Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate Ed 1 00 A4 11n EN Gr 7

Lu	1.00		
		PDF 11p EN	47.080

Is applicable to thermosetting resins and glass-fibre reinforcement used in the construction of small craft with a length of the hull of up to 24 m. Specifies the minimum requirements for material properties of glass reinforcement and resin matrix and the reference laminate made thereof. May be applicable to materials other than those specified, provided that the minimum requirements and properties of the reference laminate are met.

SANS 12215-2:2008 / ISO 12215-2:2002

Small craft - Hull construction and scantlings Part 2: Materials: Core materials for sandwich construction, embedded materials

Eu 1.00	A4 TOP EN	Grb
	PDF 10p EN	47.080

Specifies requirements for core materials for structural use and materials that are embedded in sandwich construction. Is applicable to small craft with a hull length of up to 24 m.

SANS 12215-3:2008 / ISO 12215-3:2002

Small craft - Hull construction and scantlings Part 3: Materials: Steel, aluminium alloys, wood, other materials

Ed 1.	.00 A4 ⁻	15p EN	
	PDF	= 15p EN	

Specifies requirements for materials intended for use in the construction of the hull, superstructure and appendages, in particular weldable normal and higher strength hot-rolled steel plates, wide flats, sections and bars, austenitic stainless steels, fabricated in the form of plates or profiles, wrought aluminium alloys fabricated as plates, sections and extruded profiles, wood in the form of solid timber, plywood or veneer, other suitable materials. Applies to small craft with a length hull (LH) of up to 24 m.

SANS 12215-4:2008 / ISO 12215-4:2002

Small craft - Hull construction and scantlings Part 4: Workshop and manufacturing

Ed 1.00	A4 16p EN				Gi	r 8	
	PDF 16p EN				47	.080	

Specifies workshop conditions, material storage and handling, and requirements for the manufacturing of the craft. Applies to small craft with a hull length according of up to 24 m. Does not cover health and safety requirements.

SANS 12215-5:2009 / ISO 12215-5:2008

Small craft - Hull construction and scar	tlings Part 5: Design pressures for monohulls, design st	resses, scantlings determination
Ed 1 00 A4 115p EN	Gr 16	

-0	1.00		
		PDF 115p EN	47.020; 47.020.10; 47.080

Applies to the determination of design pressures and stresses, and to the determination of the scantlings, including internal structural members of monohull small craft constructed from fibre-reinforced plastics, aluminium or steel alloys, glued wood or other suitable boat building material, with a length of hull, LH, between 2,5 m and 24 m.

Gr 8

47.020.10; 47.080



Standards South Africa Catalogue 2013 NUM - 537

NUMERICAL LIST OF STANDARDS

SANS 12215-6:2009 / ISO 12215-6:2008

Small craft - Hull construction and scantlings Part 6: Structural arrangements and details Gr 13

⊏u	1.00	A4 59P ⊏N
		PDF 59p FN

Applies to structural details of and structural components in monohull and multihull small craft constructed from fibre reinforced plastics (FRP), aluminium or steel alloys, wood or other suitable boat building material, with a hull length of up to 24 m.

SANS 12215-8:2010 / ISO 12215-8:2009

Small craft - Hull construction and scantlings Part 8: Rudders

Ed	1.00	A4 51p EN	Gr 13
		PDF 51p EN	47.020.10; 47.080

Covers the requirements on the scantlings of rudders fitted to small craft with a length of hull of up to 24 m.

SANS 12216:2008 / ISO 12216:2002

Small craft - Windows, portlights, ha	atches, deadlights and doors -	Strength and watertightness	requirements
Ed 1.00 A4 69p EN		Gr 14	

PDF 69p EN

Specifies technical requirements for windows, portlights, hatches, deadlights and doors on small craft of hull length up to 24 m, taking into account the type of craft, its design category, and the location of the appliance. The appliances considered are only those that are critical for the craft's watertightness, i.e. those that could lead to flooding in case of rupture of the plate. Is mostly intended to be used for recreational craft, but it may be used for non-recreational small craft of hull length up to 24 m, excluding lifeboats. Is not applicable to commercial or work boats used in severe conditions.

SANS 12217-1:2008 / ISO 12217-1:2002

Small craft - Stability and buoyancy assessment and categorization Part 1: Non-sailing boats of hull length greater than or equal to 6 m

Ed 1.00 A4 54p EN Gr 13 PDF 54p EN 47.080

Specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. The flotation characteristics of boats vulnerable to swamping are also encompassed. Is principally applicable to boats propelled by human or mechanical power of 6 m up to and including 24 m hull length. Does not include or evaluate the effects on stability of towing, fishing, dredging or lifting operations, which should be separately considered, if appropriate.

SANS 12217-2:2008 / ISO 12217-2:2002

Small craft - Stability and buoyancy assessment and categorization Part 2: Sailing boats of hull length greater than or equal to 6 m Ed 1.00 A4 66p EN Gr 14 PDF 66p EN 47 080

Specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. Covers the flotation characteristics of boats vulnerable to swamping. Applies to boats propelled primarily by sail (even if fitted with an auxiliary engine) of 6 m up to and including 24 m hull length. Does not cover inflatable and rigid-inflatable boats up to 8 m, and canoes, kayaks or other boats with a beam of less than 1,1 m. Does not include or evaluate the effects on stability of towing, fishing, dredging or lifting operations, which should be separately considered, if appropriate.

SANS 12217-3:2008 / ISO 12217-3:2002

Small craft - Stability and buoyancy assessment and categorization Part 3: Boats of hull length less than 6 m

Ed 1.00	A4 54p EN	Gr 13
	PDF 54p EN	47.080

Specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. The flotation characteristics of craft vulnerable to swamping are also encompassed. Is applicable to boats of hull length less than 6 m, whether propelled by human or mechanical power, except habitable sailing multihulls. Does not include or evaluate the effects on stability of towing, fishing, dredging or lifting operations, which should be separately considered, if appropriate.

SANS 12236:2013 / ISO 12236:2006

Geosynthetics - Static puncture test (CBR test)

Ed 1.00	A4 11p EN	Gr 7
	PDF 11p EN	59.080.70

Specifies a method for the determination of the puncture resistance by measuring the force required to push a flat-ended plunger through geosynthesis.

SANS 12240-1:2005 / ISO 12240-1:1998 (2010-04-30)

Spherica	I plain bearings Part 1: Radial spherical plain bearings	
Ed 1.00	A4 17p EN	Gr 8
	PDF 17p EN	21 10

21.100.10

Specifies dimension series, tolerances and radial internal clearances for radial spherical plain bearings.

47.020.10; 47.080

Gr 13
47.020.10; 47.080

47.080

SANS 12240-2:2006 / ISO 12240-2:1998 (2012-12-14) Spherical plain bearings Part 2: Angular contact radial spherical plain bearing	as
Ed 1.00 A4 7p EN	Gr 6
PDF ⁷ p EN	21.100.10
Specifies dimensions and tolerances for angular contact radial spherical plain bear	ings.
SANS 12240-3:2005 / ISO 12240-3:1998 (2010-04-30) Spherical plain bearings Part 3: Thrust spherical plain bearings	
Ed 1.00 A4 7p EN	Gr 6
PDF /p EN	21.100.10
Specifies dimensions and tolerances for thrust spherical plain bearings.	
SANS 12240-4:2005 / ISO 12240-4:1998 (2010-04-30) Spherical plain bearings Part 4: Spherical plain bearing rod ends	
Ed 1.00 A4 16p EN	Gr 8
	21.100.10
Specifies dimensions, tolerances and radial internal clearances for various dimens Cor 1(International), 2005-09-02	ion series of spherical plain bearing rod ends.
SANS 12277:1998 / EN 12277:1998 (2007-03-02) (SABS EN 12277)	
Mountaineering equipment - Harnesses - Safety requirements and test metho	ds
Ed 1.00 A4 11p EN	Gr 8
Chapitica addatu requirements and test methods for bernances for use in mountain	13.340.60; 97.220.40
small body harnesses, sit harnesses and chest harnesses. Am 1(National), 2007-03-02	eening including climbing. Applicable to full body namesses,
SANS 12281:2005 / EN 12281:2002 (2011-04-20) Printing and business paper - Requirements for convigance for dry toper ima	aina processes
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	85.080.10
Specifies the performance requirements for uncoated cut-size paper for dry toner in format based on EN ISO 216. Other grammages and sizes of the ISO-A series are in this standard are fulfilled.	maging processes (i.e. copying paper), in 80 g/m2 and in A4 covered by this standard, as long as the requirements specified
SANS 12293:1999 / EN 12293:1999 (2012-07-06) (SABS EN 12293)	
Plastics piping systems - Thermoplastics pipes and fittings for hot and cold assemblies to temperature cycling	water - Test method for the resistance of mounted
Ed 1.00 A4 7p EN	Gr 6
PDF /p EN	23.040.20; 23.040.45
Specifies a method for testing the resistance to temperature cycling of joints for pip applicable to thermoplastics piping systems intended to be used in hot and cold wa Am 1(National), 2007-03-02	ing systems with rigid or flexible thermoplastics pipes. Is atter pressure applications.
SANS 12294:1999 / EN 12294:1999 (2007-03-02) (SABS EN 12294)	
Plastics piping systems - Systems for hot and cold water - Test method for le	aktightness under vacuum
Ed 1.00 A4 6p EN	Gr 6
on thermoplastics pipes intended to be used in hot and cold water pressure applica Am 1(National), 2007-03-02	plastics piping systems. Is applicable to piping systems based ations.
SANS 12295:1999 / EN 12295:1999 (2012-07-06) (SABS EN 12295)	
Plastics piping systems - Thermoplastics pipes and associated fittings for ho	ot and cold water - Test method for resistance of joints to
Pressure cycling Ed 1 00 A4 6p EN	Gr 5
PDF 6p EN	23.040.20; 23.040.45; 83.080.20
Specifies a method for testing the resistance of joints to pressure cycling. Is applic pipes intended to be used in hot and cold water applications. Am 1(National), 2007-03-02	able to piping systems based on rigid or flexible thermoplastics

Standards South Africa Catalogue 2013 NUM - 538

21.100.10

Gr 5

21.100.10

SANS 12301:2010 / ISO 12301:2007

Plain bearings - Quality control techniques and inspection	on of geometrical and material quality characteristics
Ed 2.00 A4 52p EN	Gr 13

Ed 2.00 A4 52p EN PDF 52p EN

Specifies quality control techniques and inspection of the geometrical and material quality characteristics of specific types of plain bearings.

Plain bearings - Wrapped bushes Part 1: Checking the outside diameter Gr 9 PDF 20p EN 21.100.10 SANS 12401:2010 / ISO 12401:2009 Small craft - Deck safety harness and safety line - Safety requirements and test methods Ed 2.00 A4 23p EN Gr 10 PDF 23p EN 47.080 Personal flotation devices Part 1: Lifejackets for seagoing ships - Safety requirements Gr 9 PDF 20p EN 13.340.10; 13.340.70 Specifies the safety requirements for lifejackets intended for use on seagoing ships with regard to the technical provisions of the International Convention for the Safety of Life at Sea (SOLAS). Also takes account of Maritime Safety Committee Resolutions MSC.48 (66) and MSC.81 (70) so far as they are applicable to lifejackets. SANS 12402-2:2007 / ISO 12402-2:2006 Personal flotation devices Part 2: Lifejackets, performance level 275 - Safety requirements Ed 1.00 A4 23p EN Gr 10 PDF 23p EN 13.340.70

Specifies the safety requirements for lifejackets, performance level 275. Applies to lifejackets for adults and children for offshore use under extreme conditions.

SANS 12302:2005 / ISO 12302:1993 (2010-05-07)

Plain bearings - Quality characteristics - Statistical process control (SPC) Ed 1.00 A4 6p EN PDF 6p EN

Specifies for plain bearings (except thick-walled half-bearings) those quality characteristics in accordance with SANS 12301 which can be used to regulate and control a production process on the basis of statistical process control (SPC).

SANS 12306:2005 / ISO 12306:1994 Blain bearings. Measurement of well thickness of this welled half h

Plain bea	arings - Measurement of wall thickness of thin-walled half-bearings	and thin-walled bushes
Ed 1.00	A4 15p EN	Gr 8
	PDF 15p EN	21.100.10

Describes in accordance with SANS 12301 the checking methods and measuring equipment used for measuring the total wall thickness of thinwalled half-bearings and thin-walled bushes in the finished state. It is not applicable to thermoplastic bushes.

SANS 12307-1:2006 / ISO 12307-1:1994

Ed 1.00 A4 20p EN

Specifies, in accordance with SANS 12301, the checking of the outside diameter of wrapped bushes and describes the necessary checking methods and measuring equipment.

SANS 12308:2005 / ISO 12308:1994 (2010-04-30)

Plain bea	arings - Qu	uality assu	urance - S	Sample	e types - Def	finition	s, application	ns and t	esting
Ed 1.00	A4 7p EN							Gr	6
	PDF 7p El	N						21.1	00.10
– " ·									

Defines the types of plain bearing samples such as are exchanged between purchaser and manufacturer.

SANS 12353:2008 / EN 12353:2006

(SABS	ΕN	12353)
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Chemical disinfectants and antiseptics - Preservation of test organisms used for the determination of bactericidal, mycobactericidal, sporicidal and fungicidal activity

Ed 2.00	A4 24p EN	Gr 10
	PDF 24p EN	07.100.99; 11.080.20; 71.100.35
0	methods for keeping test ergenisms used and defined for the determinet	ion of bootorioidal mucchastariaidal anariai

Specifies methods for keeping test organisms used and defined for the determination of bactericidal, mycobactericidal, sporicidal and fungicidal activity of chemical disinfectants and antiseptics.

Specifies the requirements for performance, sizing, marking and test methods for deck safety harnesses and safety lines on recreational craft.

SANS 12402-1:2007 / ISO 12402-1:2005 (2012-04-20)

Ed 1.00 A4 20p EN

SANS 12402-3:2007 / ISO 12402-3:2006

Personal flotation devices Part 3: Lifejackets, performance level 150 - Safety requirements

Ed	1.00	A4 23p EN
		PDF 23p EN

Specifies the safety requirements for lifejackets, performance level 150. Applies to lifejackets used by adults or children.

SANS 12402-4:2007 / ISO 12402-4:2006

Person	hal flotation devices Part 4: Lifejackets, performance le	vel 100 - Safety requirements
Ed 1.00	0 A4 23p EN	Gr 10
	PDF 23p EN	13.340.70

Specifies the safety requirements for lifejackets, performance level 100. Applies to lifejackets used by adults or children.

SANS 12402-5:2007 / ISO 12402-5:2006

Per	sonal	flotation devices	Part 5: Buoyancy aids	(level 50) - Safety requirements	
Ed	1.00	A4 23p EN		Gr 10	
		PDF 23p EN		13 340 7	70

Specifies the safety requirements for buoyancy aids with a buoyancy of not less than 50 N used in sheltered waters with help and rescue close at hand under such circumstances where more bulky or buoyant devices can impair the user's activity. Applies to buoyancy aids used by adults or children.

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Cor 1(International), 2007-01-19

SANS 12402-6:2007 / ISO 12402-6:2006

Personal flotation devices Part 6: Special purpose lifejackets and buoyancy aids - Safety requirements and additional test methods

Ed	1.00	A4 24p EN
		PDF 24p EN

Specifies the safety requirements and additional test methods for special purpose lifejackets and buoyancy aids (hereafter referred to as special purpose devices) in combination with the requirements specified in ISO 12402-2 to ISO 12402-5 (published in South Africa as identical adoptions under the designation SANS 12402-2 to SANS 12402-5). Applies to special purpose devices for adults generally and for children younger than six years partially.

SANS 12402-7:2007 / ISO 12402-7:2006

Personal flotation devices Part 7: Materials and components - Safety requirements and test methods

Ed 1.00	A4 86p EN	Gr 15
	PDF 86p EN	13.340.70

Specifies the minimum requirements for construction and performance of materials and components of personal flotation devices as well as relevant test methods.

SANS 12402-8:2007 / ISO 12402-8:2006

Personal	flotation	devices Part 8	: Accessories -	Safety req	uirements ar	nd test met	hods
						•	~

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		PDF	г/р Ем				13.340.70
Еα	1.00	A4 17	DEN				Grð

Specifies the safety requirements and test methods for accessories used for personal flotation devices (PFDs).

SANS 12402-9:2007 / ISO 12402-9:2006

Personal flotation devices Part 9: Test methods

Ed 1.00	A4 75p EN	Gr 14	
	PDF 75p EN		13.340.70

Specifies the test methods for personal flotation devices.

SANS 12402-10:2007 / ISO 12402-10:2006 (2012-03-16)

Personal flotation devices Part 10: Selection and application of personal flotation devices and other relevant devices

Ed	1.00	A4 25p EN
		PDF 25p EN

Gives guidance for the selection and application of personal flotation devices complying with the other relevant parts of ISO 12402 (published in South Africa as identical adoptions under the designation SANS 12402) and immersion suits according to ISO 15027-1 to ISO 15027-3.

SANS 12469:2002 / EN 12469:2000

Biotechnology - Performance criteria	a for microbiological safety cabinets
Ed 1.00 A4 45p EN	

Specifies basic requirements for microbiological safety cabinets (MSCs) with respect to safety and hygiene. It sets the minimum performance criteria for safety cabinets for work with microorganisms and specifies test procedures for microbiological safety cabinets with respect to protection of the worker and the environment, product protection and cross contamination.

Gr 10 13.340.70

Gr 12

07.080; 07.100.01

13.340.70

Gr 10

Gr 10 13.340.70

SANS 12478-1:2006 / ISO 12478-1:1997 (2011-09-23) Cranes - Maintenance manual Part 1: General

Ed 1.00 A4 10p EN PDF 10p EN

Gr 6 53.020.20

Establishes guidelines on the general requirements necessary for the preparation and presentation of maintenance manuals for cranes.

SANS 12480-1:2006 / ISO 12480-1:1997 (2011-09-23)	
Cranes - Safe use Part 1: General	
Ed 1.00 A4 38p EN	Gr 11
PDF 38p EN	53.020.20
Establishes required practices for the safe use of cranes, in dismantling, operation and maintenance of cranes and the s	cluding safe systems of work, management, planning, selection, erection and selection of drivers, slingers and signallers.
SANS 12480-3:2007 / ISO 12480-3:2005	
Cranes - Safe use Part 3: Tower cranes	
Ed 1.00 A4 35p EN	Gr 11
PDF 35p EN	53.020.20
Establishes required practices for the safe use of tower crar dismantling, special base, operation and maintenance of cra conjunction with ISO 12480-1 (published in South Africa as (non-powered) operated cranes, or cranes in which at least	nes, including safe systems of work, management, planning, selection, erection and anes and the selection of drivers, slingers and signallers. Is intended to be used in an identical adoption under the designation SANS 12480-1). Does not cover manually one of its motions is manually operated.

SANS 12482-1:2008 / ISO 12482-1:1995

Cranes - Condition monitoring Part 1: General

Ed 1.00	A4 12p EN	(Gr 7
	PDF 12p EN	5	53.020.20

Ensures that the design constraints of the intended use of a crane are clearly identified. Defines actions to be taken when the crane has been used over a period of time and has approached these constraints, to ensure a new safe working period.

SANS 12485:2007 / ISO 12485:1998

Tower cranes - Stability requirements

Ed 1.00	A4 7p EN	Gr 6	
	PDF 7p EN		53.020.20

Specifies the conditions to be met when verifying, by calculation, the stability of a tower crane, as defined in ISO 4306-3 (published in South Africa as an identical adoption under the designation SANS 4306-3), that is subject to tipping and drifting; it assumes that the crane is standing on a firm, level supporting surface or track.

SANS 12488-1:2007 / ISO 12488-1:2005 (2009-05-08)

Cranes - Tolerances for wheels and travel and traversing tracks Part 1: General Ed 1 00 A4 28p EN

o		
	PDF 28p EN	53.020.20
1 1 1 1 1 1 1		

Specifies tolerances for construction assemblies and operational conditions of cranes and associated crane tracks as defined in ISO 4306-1. Promotes safe operation and achievement of the expected life of components by the elimination of excessive load effects due to deviations or misalignments from the normal dimensions of the structure.

Cor 1(International), 2009-05-08

SANS 12509:2008 / ISO 12509:2004

Earth-mo	ving machinery - Lighting, signalling and marking lights,	and reflex-reflector devices
Ed 2.00	A4 71p EN	Gr 14
	PDF 71p EN	53.100

Specifies the minimum requirements for installation and performance of lighting, signalling and marking lights, and reflex-reflector devices on earth-moving machines. Is applicable to self-propelled wheel or crawler earth-moving machines intended for off-road use as well as on-road use. Is not applicable to pedestrian-controlled machines.

SANS 12567-1:2010 / ISO 12567-1:2000

Thermal performance of windows and doors - Determination of thermal transmittance by hot box method Part 1: Complete windows and doors

Ed 1.00 A4 48p EN PDF 48p EN

Specifies a method to measure the thermal transmittance of a door or window system. Includes all effects of frames, sashes, shutters, door leaves and fittings.

Gr 12

91.060.50; 91.120.10

SANS 12567-2:2010 / ISO 12567-2:2005						
Thermal performance of windows and doors - Determi other projecting windows	ination of thermal transmittance by hot box method Part 2: Roof windows and					
Ed 1.00 A4 32p EN	Gr 11					
PDF 32p EN 91.060.50; 91.120.10						
Specifies a method to measure the thermal transmittance	of roof windows and projecting windows.					

Standards South Africa Catalogue 2013

Gr 11

01.020

SANS 12615:2008 / ISO 12615:2004

Bibliographic references and source identifiers for terminology work

Ed 1.00 A4 33p EN PDF 33p EN

Applies to the recording, storing and exchange of information on bibliographic sources for terminological work and terminography. Specifies the data elements to be included in bibliographic references for terminology work. Does not apply to bibliographic descriptions that record and identify documents and that are used by librarians, bibliographers and indexers.

SANS 12616:2004 / ISO 12616:2002 (2012-06-22)

Translat	ion-oriented terminography	
Ed 1.00	A4 34p EN	Gr 11
	PDF 34p EN	01.020

Provides guidelines to enable translators and translation support staff to record, maintain and guickly and easily retrieve terminological information in connection with translation work. The quality of a translation can be measured partly in terms of linguistic elements, such as style and grammar, and partly in terms of the accurate use of the terminology involved. The guidelines in this standard provide the necessary elements for quality control of terminological information in translations. The guidelines can also be adapted to provide a basis for the administration of sourcelanguage texts, parallel texts, translations, and other information (e.g. bibliographies, references) in the target language.

SANS 12620:2008 / ISO 12620:1999

Computer applications in terminology - Data categories

-		 -	
Ed 1.00	A4 78p EN		Gr 14
	PDF 78p EN		01.120; 35.240.30

Specifies data categories for recording terminological information in computerized and non-computerized environments and for the interchange and retrieval of terminological information independent of the local software applications or hardware environments in which these data categories are used.

SANS 12651:2005 / ISO 12651:1999 (2011-02-04)

Electronic imaging - Vocabulary			
Ed 1.00	A4 24p EN		Gr 10
	PDF 24p EN		01.040.35; 01.040.37; 35.140; 37.080

Facilitates communication in the field of electronic imaging. Presents terms and definitions of selected concepts relevant to this field of information technologies and identifies relationships among the entries.

SANS 12653-1:2006 / ISO 12653-1:2000 (2013-01-18)

Electronic imaging - Test target for the black-and-white scanning of office documents Part 1: Characteristics			
Ed 1.00 A	4 11p EN	Gr 7	
Р	DF 11p EN	37.080	

Specifies a test target for use in assessing the consistency of quality of performance over time of flat-bed and rotary black-and-white reflection scanners used in electronic image management systems. Is applicable to assessing the output quality of black-and-white scanners used for blackand-white or colour office documents, with or without half-tone or colour. It is not applicable to colour scanners or scanners used for the scanning of transparent or translucent documents.

SANS 12653-2:2006 / ISO 12653-2:2000 (2013-01-18)

Electronic imaging -	Test target for the black-and-white	scanning of office documents	Part 2: Method of use
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Ed 1.00	A4 27p EN	Gr 10
	PDF 27p EN	37.080

Specifies test methods for evaluating the consistency of the output quality over time from the black-and-white reflection scanning of office documents using the test target specified in SANS 12653-1 and other targets. It is applicable to assessing the output quality of black-and-white scanners used for black-and-white or colour office documents, with or without half-tone or colour. It does not apply to colour scanners or scanners used for the scanning of transparent or translucent documents.

19.100

Cor 1(International), 2006-08-04

SANS 12710:2003 / ISO 12710:2002 (2009-08-07)

Non-destructive testing - Ultrasonic inspection -	Evaluating electronic characteristics of ultrasonic test instruments
Ed 1.00 A4 28p EN	Gr 10

Lu 1.0		
	PDF 28p EN	

Establishes the procedures for measuring performance characteristics of components of pulse-echo ultrasonic non-destructive testing instruments including both analog and digital type instruments with screen displays.

SANS 12715:2004 / ISO 12715:1999 (2009-08-07)

Ultrasonic non-destructive testing - Reference	blocks and test procedures for the characterization of contact search unit beam
profiles	
Ed 1.00 A4 31p EN	Gr 11

Ed 1.00	A4 31p EN	Gr 11
	PDF 31p EN	19.100

Introduces two ultrasonic reference blocks and provides a general methodology of using the blocks in order to establish sound fields or beam profiles in contact tests.

ONIO 40740 0004 (100 40740 0004 (0000 00 07)	
SANS 12/16:2004 / ISO 12/16:2001 (2009-08-07) Non-destructive testing - Acoustic emission inspection - Vocabulary	
Ed 1.00 A4 16p EN	Gr 8
PDF 16p EN	01.040.19; 19.100
Defines terms to provide precise understanding or interpretation of acoustic emiss	ion inspection.
SANS 12718:2010 / ISO 12718:2008 Non-destructive testing - Eddy current testing - Vocabulary	
Ed 1.00 A4 50p EN	Gr 12
PDF 50p EN	01.040.19; 19.100
Dennes terms used in eddy current testing.	
SANS 12721:2004 / ISO 12721:2000 (2009-08-07)	
Non-destructive testing - Thermal neutron radiographic testing - Determinati	on of beam L/D ratio
PDF 15p EN	Gr 8 19.100
Defines an empirical technique for the measurement of the effective collimation ra	tio and effective L/D of thermal neutron radiography beams.
SANS 12756:2009 / ISO 12756:1998	
Drawing and writing instruments - Ball point pens and roller ball pens - Voca	abulary
Ed 1.00 A4 10p EN	Gr 6
PDF 10p EN	01.040.35; 01.040.97; 35.260.20; 97.180
Defines terms related to ball-point pens and roller ball pens.	
SANS 12785-1:2011 / ISO/IEC 12785-1:2009	
Information technology - Learning, education, and training - Content packag	ing Part 1: Information model
Ed 1.00 A4 66p EN PDF 66p EN	Gr 14 35.240.99
Defines the data structure that can be used to exchange language, education and export, aggregate and disaggregate packages of LET content.	training (LET) content among systems that wish to import,
SANS 12885:2009 / ISO/TR 12885:2008	
Nanotechnologies - Health and safety practices in occupational settings rele	vant to nanotechnologies
Ed 1.00 A4 88p EN	Gr 14
PDF 88p EN	07.030; 13.100
Describes health and safety practices in occupational settings relevant to nanotec engineered nanomaterials.	hnologies. Focuses on the occupational manufacture and use of
SANS 12902:2007 / ISO/TS 12902:2001	
Solid mineral fuels - Determination of total carbon, hydrogen and hitrogen - I	Instrumental methods
PDF 11p EN	73 040: 75 160 10
Specifies the procedures to be followed when determining the mass fractions of to	tal carbon (including that present as carbonates), total hydrogen
(including that present as water) and nitrogen in hard coal, brown coal and lignite,	and coke by instrumental methods.
SANS 12941:1998 / EN 12941:1998 (2008-08-01) (SABS EN 12941)	
Respiratory protective devices - Powered filtering devices incorporating a he	elmet or a hood - Requirements, testing, marking
Ed 1.00 A4 42p EN	Gr 13
PDF 42p EN	13.340.30
respiratory protection.	net or a nood with gas, particle or combined litter(s) for
Am 1(International), 2008-08-01 Am 1(National), 2008-08-01	
SANS 12942:1998 / EN 12942:1998 (2008-08-01) (SABS EN 12942)	
Respiratory protective devices - Power assisted filtering devices incorporation Requirements, testing, marking	ng full face masks, half masks or quarter masks -
Ed 1.00 A4 34p EN	Gr 12
PDF 34p EN	13.340.30
Specifies minimum requirements for power assisted respiratory protective devices	which incorporate a full face mask, half mask or a quarter mask
together with gas, particle or combined filter(s) used as respiratory protective devia Am 1(International), 2008-08-01 Am 1(National), 2008-08-01	Ces.

Standards South Africa Catalogue 2013 NUM - 543

SANS 12944-1:1998 / ISO 12944-1:1998 (2011-03-31)	
(SABS ISO 12944-1) Paints and varnishes - Corrosion protection of steel structures by protective	naint systems Part 1. General introduction
Ed 1.00 A4 12p EN	Gr 8
PDF 12p EN	87.040; 91.080.10
Deals with the corrosion protection of steel structures by protective paint systems a systems.	and covers only the corrosion-protective function of paints
Am (National), 2003-06-24	
SANS 12944-2:1998 / ISO 12944-2:1998 (2011-03-31) (SABS ISO 12944-2)	
Ed 1.00 A4 14p EN	paint systems Part 2: Classification of environments
PDF 14p EN	87.040: 91.080.10
Deals with the classification of the principal environments and the corrosivity of the Am 1(National), 2005-05-27	ese environments to which steel structures are exposed.
SANS 12944-3:1998 / ISO 12944-3:1998 (2011-04-08) (SABS ISO 12944-3)	
Paints and varnishes - Corrosion protection of steel structures by protective	paint systems Part 3: Design considerations
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	87.040; 91.080.10
Gives the basic criteria for the design of steel structures to be coated by protective degradation of the structure's coating. Am 1(National), 2005-07-22	paint systems so as to avoid premature corrosion and
SANS 12944-4:1998 / ISO 12944-4:1998 (2011-04-08) (SABS ISO 12944-4)	
Paints and varnishes - Corrosion protection of steel structures by protective preparation	paint systems Part 4: Types of surface and surface
Ed 1.00 A4 28p EN PDF 28p EN	Gr 10 25.220.10; 87.040; 91.080.10
Deals with the surfaces of steel structures consisting of carbon or low-alloy steel, a Am 1(National), 2005-05-27	and their preparation.
SANS 12944-5:1998 / ISO 12944-5:1998 (2011-04-08) (SABS ISO 12944-5)	
Paints and varnishes - Corrosion protection of steel structures by protective	paint systems Part 5: Protective paint systems
Ed 1.00 A4 33p EN PDE 33p EN	Gr 11
Describes the types of point and point system commonly used for correction protect	67.040, 91.080.10
Am 1(National), 2005-05-27	
SANS 12944-6:1998 / ISO 12944-6:1998 (2011-04-08)	
Paints and varnishes - Corrosion protection of steel structures by protective methods	paint systems Part 6: Laboratory performance test
Ed 1.00 A4 17p EN PDF 17p EN	Gr 8 87.040; 91.080.10
Gives laboratory test methods and test conditions for the assessment of paint syste protective paint systems that are applied on uncoated steel, hot dip galvanized steen not applicable to protective paint systems for electroplated or painted steel. Am 1(National), 2005-07-22	ems for protection against corrosion of steel structures. Covers el and steel surfaces with thermally sprayed zinc coatings but is
SANS 12944-7:1998 / ISO 12944-7:1998 (2011-04-08) (SABS ISO 12944-7)	
Paints and varnishes - Corrosion protection of steel structures by protective	paint systems Part 7: Execution and supervision of paint
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	87.040; 91.080.10
Deals with the supervision and execution of paint work on steel structures in the wo	orkshop or on site but is not applicable to the preparation of

Deals with the supervision and execution of paint work on steel structures in the workshop or on site but is not applicable to the preparation of surfaces to be painted, the application of metallic coatings or pre-treatment methods. Am 1(National), 2005-06-24

SANS 12944-8:1998 / (SABS ISO 12944-8)	/ ISO 12944-8:1998 (2011-04-08)	
Paints and varnishes new work and maint	s - Corrosion protection of steel structures by protective enance	paint systems Part 8: Development of specifications for
Ed 1.00 A4 46p EN		Gr 12
PDF 46p EN	N	87.040; 91.080.10
Gives the basic criteri degradation of the stru Am 1(National), 2005	a for the design of steel structures to be coated by protective ucture's coating. 5-06-24	paint systems so as to avoid premature corrosion and
SANS 12951:2004 / I	SO 12951:1999 (2010-02-12)	
Textile floor covering	gs - Determination of mass loss using the Lisson test	
Ed 1.00 A4 22p EN		Gr 9
PDF 22p EN	N	59.080.60
Specifies a method of	test to determine the mass loss of textile floor coverings usin	g the Lisson Tretrad machine.
SANS 12956:2013 / I	SO 12956:2010	
Geotextiles and geot	textile-related products - Determination of the characteris	tic opening size
Ed 1.00 A4 15p EN		Gr 8
PDF 15p EN	N	59.080.70
Specifies a method fo the wet-sieving princip	r the determination of the characteristic size of the openings oble.	of a single layer of geotextile or geotextile-related product using
SANS 12968:2010 / I	SO 12968:2010	
Thermal insulation p	products for building applications - Determination of the p	oull-off resistance of external thermal insulation
composite systems	(ETICS) (foam block test)	07
PDF 13p EN	N	
Specifies equipment a mechanically fixed or	and a procedure for determining the pull-off resistance of exte mechanical fixed and bonded.	rnal thermal insulation composite systems (ETICS), which are
SANS 13006:2003 / I	SO 13006:1998	
Ceramic tiles - Defin	itions, classification, characteristics and marking	010
Ed 1.00 A4 60p EN PDF 60p FN	J	Gr 13
Defines towns and set		
quality).	adhishes classifications, characteristics and marking requirem	ients for ceramic tiles of the best commercial quality (first
SANS 13008:2012 / I	SO 13008:2012	
Information and doc	umentation - Digital records conversion and migration pr	ocess
Ed 1.00 A4 35p EN PDF 35p EN	J	Gr 11
	·	01.140.20
plus metadata) in orde	or to preserve the authenticity, reliability, integrity and usability	y of such records as evidence of business transactions.
SATR 13028:2010 / IS	SO/TR 13028:2010	
Information and doc	umentation - Implementation guidelines for digitization o	frecords
Ed 1.00 A4 39p EN PDF 39p EN	J	Gr 11
	•	01.140.20
been copied by digitiz consideration of dispo	s for creating and maintaining records in digital format only, w ing; establishes best practice guidelines for digitization to ens sal of the non-digital source records.	ure the trustworthiness and reliability of records and enable
SANS 13053-1:2012	/ ISO 13053-1:2011	
Quantitative method	s in process improvement - Six Sigma Part 1: DMAIC met	thodology
Ed 1.00 A4 39p EN		Gr 11
PDF 39p EN	N	03.120.30
Describes a methodol analyse, improve and	logy for the business improvement methodology known as Six control (DMAIC).	Sigma, which comprises five phases: define, measure,
SANS 13053-2:2012 / Quantitative method	/ ISO 13053-2:2012 Is in process improvement - Six Sigma Part 2: Tools and t	techniques

Quantita	are methods in process improvement - Six Signa Part 2. Tools and	leciniques
Ed 1.00	A4 56p EN	Gr 13
	PDF 56p EN	03.120.30

Covers the tools and techniques, illustrated by factsheets, to be used at each phase of the DMAIC approach.

Gr 6

53.020.20

SANS 13202:2007 / ISO 13202:2003

Cranes - Measurement of velocity and time parameters

Ed 1.00 A4 8p EN PDF 8p EN

Establishes guidelines for the measurement of the velocity and time parameters of cranes as defined in ISO 7363 (published in South Africa as an identical adoption under the designation SANS 7363). Is complementary to ISO 4310 (published in South Africa as an identical adoption under the designation SANS 4310) and covers the types of crane specified therein.

SANS 13203:2007 / ISO 13203:2005

Chains, sprockets and accessories - List of equivalent terms	

Ed 1.00	A4 27p EN	Gr 10
	PDF 27p EN	01.040.21; 21.220.30

Establishes a list of equivalent terms, in English, French and German, related to the main mechanical chains, classified in accordance with their design and/or use, as well as their principal components, fittings and sprockets. It does not define terms. It is applicable to the patterns of chains and components defined in the ISO standards referenced, as well as to many patterns of non- standardized chain that are used in special applications. As far as possible, the chains, sprockets and accessories are illustrated by an example.

SANS 13253:2003 / ISO 13253:1995

Ducted a	ir-conditioners and air-to-air heat pumps - T	esting and rating for performance
Ed 1.00	A4 50p EN	Gr 12
	PDF 50p EN	23.120

Establishes performance testing and rating criteria for factory-made residential, commercial and industrial, electrically driven, mechanicalcompression, ducted air-conditioners using air- and water-cooled condensers and ducted air-to-air heat pumps. The requirements of testing and rating contained in this standard are based on the use of matched assemblies.

SANS 13297:2008 / ISO 13297:2000

Small craft - Electrical systems - Alternating current installations

Ed 1.00	A4 23p EN	Gr 10
	PDF 23p EN	47.080

Specifies the requirements for the design, construction and installation of low-voltage alternating current electrical systems that operate at nominal voltages of less than 250 V single phase on small craft of hull length up to 24 m. Does not cover three-phase installations.

SANS 13302:2008 / ISO 13302:2003

Sensory	/ analys	is - Methods	s for assessin	g modifications	to the flavou	r of foodstuffs	due to	packaging
				U				

Ed 1.00	A4 33p EN	Gr 11
	PDF 33p EN	67.240; 67.250

Describes methods for assessing the changes caused by packaging to the sensory attributes of foodstuffs or their simulants.

SANS 13342:2008 / ISO 13342:1995

Small craft - Static thrust measurement for outboard motors

Ed 1.00	A4 5p EN	Gr 5
	PDF 5p EN	47.020.20; 47.080

Specifies the method for measuring and declaring the forward and reverse thrust of outboard motors in a stationary situation to determine if start-in gear protection is required.

SANS 13370:2009 / ISO 13370:2007

Thermal performance of buildings - Heat transfer via the ground - Calculation methods

Ed 1.00	A4 55p EN	-	-	Gr 13
	PDF 55p EN			91.120.10

Provides methods of calculation of heat transfer coefficients and heat flow rates for building elements in thermal contact with the ground, including slab-on-ground floors, suspended floors and basements. Applies to building elements, or parts of them, below a horizontal plane in the bounding walls of the building situated for slab-on-ground floors, suspended floors and unheated basements, at the level of the inside floor surface and for heated basements, at the level of the external ground surface.

SANS 13395:1996 / ISO 13395:1996 (2012-03-23)

(SABS ISO 13395)

Water quality - Determination of nitrite nitrogen and nitrate nitrogen and the sum of both by flow analysis (CFA and FIA) and spectrometric detection

Ed 1.00	A4 23p EN	Gr	10
	PDF 23p EN	13.0)60.50

Specifies a method for the determination of nitrite(N), nitrate(N) or the sum of both [nitrite/nitrate(N)], in various types of waters (such as ground, drinking, surface, and waste waters) in mass concentrations ranging from 0,01 mg/L to 1 mg/L for nitrite(N) and from 0,2 mg/L to 20 mg/L for nitrite/nitrate(N), both in the undiluted sample. The range of application can be changed by varying the operating conditions. **Am 1(National), 2006-08-04**

Gr 11

Gr 12 17.140.01

03.120.30

SANS 13425:2005 / ISO/TR 13425:2003 (2011-03-18)

Guidelines for the selection of statistical methods in standardization and specification

Ed 1.00 A4 35p EN

PDF 35p EN

Gives guidance on the selection and an overview of all the referenced standards, guides, technical reports and DIS developed by ISO/TC 69 from a user prospective. DIS are draft standards that can be amended. Gives two descriptions of the content of the standards by two sets of abstracts, namely non-technical abstracts and technical abstracts of all these documents. Each abstract presents a brief survey of the content of the actual standard or DIS. Gives some indications of the use of the document in different areas.

SANS 13433:2013 / ISO 13433:2006 Geosynthetics - Dynamic perforation test (cone drop test) Ed 1.00 A4.11p EN Gr 7

 Ed 1.00
 A4 11p EN
 Gr 7

 PDF 11p EN
 59.080.70

Specifies a method to determine the resistance of geosynthetics to penetration by a steel cone dropped from a fixed height.

SANS 13474:2012 / ISO 13474:2009

Acoustics - Framework for calculating a distribution of sound exposure levels for impulsive sound events for the purposes of environmental noise assessment

d 2.00	A4 48p EN	
	PDF 48p EN	

Specifies engineering methods to calculate the average sound emmission for a distribution of impulse sound events for the purposes of environmental noise assessment. Applies to impulse sounds propagating long distances (for example 0,5 km to 30 km) from sources such as mining blasting, artillery firing and bomb explosions using conventional explosives of moderate size (for example 0,05 kg to 1 000 kg of TNT equivalent mass). Prevailing meteorological conditions and terrain are considered wherever possible.

SANS 13475-1:1999 / ISO 13475-1:1999 (2012-08-17)

(SABS ISO 13475-1)

E

Acoustics - Stationary audible warning devices used outdoors Part 1: Field measurements for determination of sound emission quantities

Ed 1.00	A4 24p EN	Gr 10	
	PDF 24p EN	13.320; 17	7.140.20

Specifies the test conditions by which the sound emission level of stationary audible warning devices can be obtained. The methods are applicable to sirens for use in public outdoor warning systems and sound signalling devices for use outdoors. Am 1(National), 2006-12-01

SANS 13485:2004 / ISO 13485:2003 (2011-04-14)

Medical devices - Quality management systems - Requirements for regulatory purposes

Ed 1.00	A4 64p EN	Gr 14
	PDF 64p EN	11.040.01

Specifies requirements for a quality management system where an organization needs to demonstrate its ability to provide medical devices and related services that consistently meet customer requirements and regulatory requirements applicable to medical devices and related services, and aims to facilitate harmonized medical device regulatory requirements for quality management systems.

Cor 1(International), 2011-04-14

Statistical methods for use in proficiency testing by interlaboratory comparisons		
Ed 1.00	A4 75p EN	Gr 14
	PDF 75p EN	03.120.30

Complements ISO Guide 43 (all parts) by providing detailed descriptions of sound statistical methods for organizers to use to analyse the data obtained from proficiency testing schemes and by giving recommendations on their use in practice by participants in such schemes and by accreditation bodies. Can be applied to demonstrate that the measurement results obtained by laboratories do not exhibit evidence of an unacceptable level of bias. Applicable to quantitative data but not to qualitative data.

SANS 13563-1:2007 / ISO 13563-1:2001

Single side loading fork-lift trucks Part 1: Stability tests

Ed 1.00	A4 16p EN	
	PDF 16p EN	

Covers basic tests to verify the stability of single side loading fork-lift trucks with titable or non-titable mast or fork arms. It is applicable to trucks fitted with fork arms and/or attachements. This part of ISO 13563 is not applicable to trucks that handle suspended loads that can swing freely.

Gr 8 53.060

SANS 13563-2:2007 / ISO 13563-2:2001

Single side loading fork-lift trucks Part 2: Additional stability tests for trucks handling freight containers of 6 m length and above		
Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	53.060

Specifies additional tests to verify the stability of single side loading fork-lift trucks when handling empty or laden freight containers of 6 m length and above. Specifies tests in addition to those specified in ISO 13563-1 (published in South Africa as an identical adoption under the designation SANS 13563-1).

Ed 1.00 A4 28p EN PDF 28p EN	Gr 10 47.080
Applies to personal watercraft as defined in this standard, for the construction and systems, electrical systems, steering systems, ventilation, hull structure and floatad owner's manual.	installation of builder's plate, permanently installed petrol fuel tion. Includes requirements for stability, freeboard and an
SANS 13591:2008 / ISO 13591:1997 Small craft - Portable fuel systems for outboard motors	
Ed 1.00 A4 12p EN PDF 12p EN	Gr 7 47.080
Specifies requirements for the design, materials and testing of portable fuel system of flammable liquids used for outboard motors installed on small craft with up to 24	ns with a rated capacity of 27 L or less for carrying and storage m length of hull. Does not apply to pressurized fuel systems.
SANS 13592:2008 / ISO 13592:1998 Small craft - Backfire flame control for petrol engines	
Ed 1.00 A4 11p EN	Gr 7
On affine the minimum manufacture for a sector firm and the firm of a minimum and d	47.020.20; 47.080
permanently installed inboard petrol engines to the surrounding atmosphere in sma	all craft of length of the hull up to and including 24 m.
SANS 13600:2010 / ISO 13600:1997	
Ed 1 00 A4 15p EN	Gr 8
PDF 15p EN	27.010
Gives the basic concepts needed to define and describe technical energy systems sectors. Prescribes the input-output model and the consolidation principle applied t Cor 1(International), 2010-06-25	. Introduces the concept technosphere and its division into two technical energy systems.
SANS 13601:2010 / ISO 13601:1998	
Technical energy systems - Structure for analysis - Energyware supply and de	emand sectors
Ed 1.00 A4 41p EN	Gr 12
PDF 41p EN	27.010
Specifies a structure that shall be used to describe and analyse technical energy s demand sectors, and furthermore defines a model structure for each subsector.	ystems. Defines subsectors of the energyware supply and
SANS 13602-2:2010 / ISO 13602-2:2006	
Technical energy systems - Methods for analysis Part 2: Weighting and aggre	egation of energywares
Ed 1.00 A4 19p EN PDF 19p EN	Gr 9
Established suiding principles for the unighting and aggregation of energy wares to	27.010
aggregation are transparent and comparable. Weighting and aggregation of energywares to energyware life cycle, where the energyware is a direct input to the users' conversi	wares are only to be performed at the final stage of the on system.
SANS 13631:2003 / ISO 13631:2002 (2009-07-03)	
Petroleum and natural gas industries - Packaged reciprocating gas compress	sors
Ed 1.00 A4 88p EN PDF 88p EN	Gr 15 75.180.20
Gives requirements and recommendations for the design, materials, fabrication, in mounted, reciprocating, separable or integral compressors with lubricated cylinders gas industries for the compression of hydrocarbon gas. Is also applicable to all nec silencers, emission control equipment, filters, separators, control panel, piping, etc purchase specifications and with the intent of minimizing field construction and field	spection, testing and preparation for shipment of packaged skid- s and their prime movers, for use in the petroleum and natural cessary auxiliary equipment, such as water and gas coolers, ., required to install an operable unit in compliance with the d-purchased equipment.
SANS 13638:2012 / ISO 13638:1996	
Building construction - Sealants - Determination of resistance to prolonged e	exposure to water
Ed 1.00 A4 8p EN PDF 8p EN	Gr 6
Specifies a method for the determination of the ability of sealants to resist differing	91.100.50
SANS 13640:2012 / ISO 13640:1999	

Building construction - Jointing products - Specifications for test substrates Ed 1.00 A4 8p EN PDF 8p EN Gr 6 91.100.50

Specifies the procedures for producing substrates of mortar, glass and anodized aluminium used for testing sealants.

SANS 13590:2008 / ISO 13590:2003

Small craft - Personal watercraft - Construction and system installation requirements

Standards South Africa Catalogue 2013 NUM - 548

Meat and meat products - Enumeration of Pseudomonas spp.	
Ed 1.00 A4 10p EN PDE 10p EN	Gr 6
Describes a method for the enumeration of Pseudomonas spp. present in meat a	nd meat products, including poultry.
SANS 13746:2000 / ISO 13746:2000 (2007-11-23) (SABS ISO 13746) Textile floor coverings - Guidelines for installation and use on stairs	
Ed 1.00 A4 10p EN	Gr 6
Provides recommendations for the installation and use of textile floor coverings of purposes. Covers all products composed of textile material with a pile or non-pile Am 1(National), 2007-11-23	59.080.60 n stairs for both residential/domestic and contract/commercial use surface including the use of such products in tile form.
SANS 13760:1998 / ISO 13760:1998 (2012-06-29) (SABS ISO 13760)	
Ed 1.00 A4 9p EN PDF 9p EN	Gr 6 23 040 20
Specifies a method for calculating the maximum allowable hoop stress applicable temperatures during their expected lifetime. Is generally known as Miner's rule. Am 1(National), 2007-09-14	to pipes exposed to varying internal pressures and/or
SANS 13788:2010 / ISO 13788:2001 Hygrothermal performance of building components and building elements - humidity and interstitial condensation - Calculation methods	Internal surface temperature to avoid critical surface
Ed 1.00 A4 38p EN PDE 38p EN	Gr 11
Specifies calculation methods for the internal surface temperature of a building co	pmponent or building element below which mould growth is likely,
given the internal temperature and relative humidity. Can also be used to assess	the risk of other surface condensation problems.
SANS 13792:2010 / ISO 13792:2005 Thermal performance of buildings - Calculation of internal temperatures of a Simplified methods	a room in summer without mechanical cooling -
•	
Ed 1.00 A4 56p EN PDF 56p EN	Gr 13 91.120.10
Ed 1.00 A4 56p EN PDF 56p EN Specifies the required input data for simplified calculation methods for determinin operative temperature of a room in the warm period.	Gr 13 91.120.10 g the maximum, average and minimum daily values of the
Ed 1.00 A4 56p EN PDF 56p EN Specifies the required input data for simplified calculation methods for determinin operative temperature of a room in the warm period. SANS 13818-1:2008 / ISO/IEC 13818-1:2007 (2009-07-31) (SABS ISO/IEC 13818-1)	Gr 13 91.120.10 g the maximum, average and minimum daily values of the
Ed 1.00 A4 56p EN PDF 56p EN Specifies the required input data for simplified calculation methods for determinin operative temperature of a room in the warm period. SANS 13818-1:2008 / ISO/IEC 13818-1:2007 (2009-07-31) (SABS ISO/IEC 13818-1) Information technology - Generic coding of moving pictures and associated	Gr 13 91.120.10 g the maximum, average and minimum daily values of the audio information: Systems
Ed 1.00 A4 56p EN PDF 56p EN Specifies the required input data for simplified calculation methods for determinin operative temperature of a room in the warm period. SANS 13818-1:2008 / ISO/IEC 13818-1:2007 (2009-07-31) (SABS ISO/IEC 13818-1) Information technology - Generic coding of moving pictures and associated Ed 3.00 A4 187p EN PDF 187p EN	Gr 13 91.120.10 g the maximum, average and minimum daily values of the audio information: Systems Gr 19 35.040
Ed 1.00 A4 56p EN PDF 56p EN Specifies the required input data for simplified calculation methods for determinin operative temperature of a room in the warm period. SANS 13818-1:2008 / ISO/IEC 13818-1:2007 (2009-07-31) (SABS ISO/IEC 13818-1) Information technology - Generic coding of moving pictures and associated Ed 3.00 A4 187p EN PDF 187p EN PDF 187p EN Specifies the system layer of the coding. It was developed principally to support the ISO/IEC 13818-2 and ISO/IEC 13818-3 (published in South Africa as identical ad 3). The system layer supports six basic functions: the synchronization of multiple compressed streams into a single stream; the initialization of buffering for decoding multiplexing and signalling of various components in a system stream.	Gr 13 91.120.10 g the maximum, average and minimum daily values of the audio information: Systems Gr 19 35.040 he combination of the video and audio coding methods defined in options under the designations SANS 13818-2 and SANS 13818- compressed streams on decoding; the interleaving of multiple ng start up; continuous buffer management; time identification;
Ed 1.00 A4 56p EN PDF 56p EN Specifies the required input data for simplified calculation methods for determinin operative temperature of a room in the warm period. SANS 13818-1:2008 / ISO/IEC 13818-1:2007 (2009-07-31) (SABS ISO/IEC 13818-1) Information technology - Generic coding of moving pictures and associated Ed 3.00 A4 187p EN PDF 187p EN Specifies the system layer of the coding. It was developed principally to support to ISO/IEC 13818-2 and ISO/IEC 13818-3 (published in South Africa as identical ad 3). The system layer supports six basic functions: the synchronization of multiple compressed streams into a single stream; the initialization of buffering for decoding multiplexing and signalling of various components in a system stream. Am 1(International), 2008-02-01 Cor 1(International), 2009-07-24	Gr 13 91.120.10 g the maximum, average and minimum daily values of the audio information: Systems Gr 19 35.040 he combination of the video and audio coding methods defined in options under the designations SANS 13818-2 and SANS 13818- compressed streams on decoding; the interleaving of multiple ng start up; continuous buffer management; time identification; Am 2(International), 2009-07-24
Ed 1.00 A4 56p EN PDF 56p EN Specifies the required input data for simplified calculation methods for determinin operative temperature of a room in the warm period. SANS 13818-1:2008 / ISO/IEC 13818-1:2007 (2009-07-31) (SABS ISO/IEC 13818-1) Information technology - Generic coding of moving pictures and associated Ed 3.00 A4 187p EN PDF 187p EN Specifies the system layer of the coding. It was developed principally to support ti ISO/IEC 13818-2 and ISO/IEC 13818-3 (published in South Africa as identical ad 3). The system layer supports six basic functions: the synchronization of multiple compressed streams into a single stream; the initialization of buffering for decodin multiplexing and signalling of various components in a system stream. Am 1(International), 2008-02-01 Cor 1(International), 2009-07-24 SANS 13818-2:2003 / ISO/IEC 13818-2:2000 (2008-04-25) (SABS ISO/IEC 13818-2)	Gr 13 91.120.10 g the maximum, average and minimum daily values of the Paudio information: Systems Gr 19 35.040 the combination of the video and audio coding methods defined in options under the designations SANS 13818-2 and SANS 13818- compressed streams on decoding; the interleaving of multiple ng start up; continuous buffer management; time identification; Am 2(International), 2009-07-24
Ed 1.00 A4 56p EN PDF 56p EN Specifies the required input data for simplified calculation methods for determinin operative temperature of a room in the warm period. SANS 13818-1:2008 / ISO/IEC 13818-1:2007 (2009-07-31) (SABS ISO/IEC 13818-1) Information technology - Generic coding of moving pictures and associated Ed 3.00 A4 187p EN PDF 187p EN Specifies the system layer of the coding. It was developed principally to support the ISO/IEC 13818-2 and ISO/IEC 13818-3 (published in South Africa as identical and 3). The system layer supports six basic functions: the synchronization of multiple compressed streams into a single stream; the initialization of buffering for decoding multiplexing and signalling of various components in a system stream. Am 1(International), 2008-02-01 Cor 1(International), 2009-07-24 SANS 13818-2:2003 / ISO/IEC 13818-2:2000 (2008-04-25) (SABS ISO/IEC 13818-2) Information technology - Generic coding of moving pictures and associated Ed 2.00 A4 2000 FN	Gr 13 91.120.10 g the maximum, average and minimum daily values of the audio information: Systems Gr 19 35.040 he combination of the video and audio coding methods defined in options under the designations SANS 13818-2 and SANS 13818- compressed streams on decoding; the interleaving of multiple ng start up; continuous buffer management; time identification; Am 2(International), 2009-07-24
Ed 1.00 A4 56p EN PDF 56p EN Specifies the required input data for simplified calculation methods for determinin operative temperature of a room in the warm period. SANS 13818-1:2008 / ISO/IEC 13818-1:2007 (2009-07-31) (SABS ISO/IEC 13818-1) Information technology - Generic coding of moving pictures and associated Ed 3.00 A4 187p EN PDF 187p EN Specifies the system layer of the coding. It was developed principally to support th ISO/IEC 13818-2 and ISO/IEC 13818-3 (published in South Africa as identical ad 3). The system layer supports six basic functions: the synchronization of multiple compressed streams into a single stream; the initialization of buffering for decodin multiplexing and signalling of various components in a system stream. Am 1(International), 2008-02-01 Cor 1(International), 2009-07-24 SANS 13818-2:2003 / ISO/IEC 13818-2:2000 (2008-04-25) (SABS ISO/IEC 13818-2) Information technology - Generic coding of moving pictures and associated Ed 2.00 A4 220p EN PDF 220p EN	Gr 13 91.120.10 g the maximum, average and minimum daily values of the audio information: Systems Gr 19 35.040 he combination of the video and audio coding methods defined in options under the designations SANS 13818-2 and SANS 13818- compressed streams on decoding; the interleaving of multiple ng start up; continuous buffer management; time identification; Am 2(International), 2009-07-24 audio information: Video Gr 20 35.040
Ed 1.00 A4 56p EN PDF 56p EN Specifies the required input data for simplified calculation methods for determinin operative temperature of a room in the warm period. SANS 13818-1:2008 / ISO/IEC 13818-1:2007 (2009-07-31) (SABS ISO/IEC 13818-1) Information technology - Generic coding of moving pictures and associated Ed 3.00 A4 187p EN PDF 187p EN Specifies the system layer of the coding. It was developed principally to support th ISO/IEC 13818-2 and ISO/IEC 13818-3 (published in South Africa as identical ad 3). The system layer supports six basic functions: the synchronization of multiple compressed streams into a single stream; the initialization of buffering for decodin multiplexing and signalling of various components in a system stream. Am 1(International), 2008-02-01 Cor 1(International), 2009-07-24 SANS 13818-2:2003 / ISO/IEC 13818-2:2000 (2008-04-25) (SABS ISO/IEC 13818-2) Information technology - Generic coding of moving pictures and associated Ed 2.00 A4 220p EN PDF 220p EN Specifies the coded representation of picture information for digital storage media process. The representation supports constant bitrate transmission, variable bitra decoding, bitstream editing, as well as special functions such as fast forward play Am 1(International), 2003-10-31 Cor 1(International), 2003-10-31 Am 2(International), 2008-04-25	Gr 13 91.120.10 g the maximum, average and minimum daily values of the Paudio information: Systems Gr 19 35.040 the combination of the video and audio coding methods defined in options under the designations SANS 13818-2 and SANS 13818- compressed streams on decoding; the interleaving of multiple to start up; continuous buffer management; time identification; Am 2(International), 2009-07-24 Paudio information: Video Gr 20 35.040 and digital video communication and specifies the decoding te transmission, random access, channel hopping, scalable back, fast reverse playback, slow motion, pause and still pictures. Cor 2(International), 2007-03-30

(SABS ISO/IEC 13818-3)	
Information technology - Generic coding of moving pictures and asso	ciated audio information Part 3: Audio
Ed 2.00 A4 126p EN	Gr 17
PDF 126p EN	35.040
Specifies the extension of ISO/IEC 11172-3 to lower sampling frequencies, audio for broadcasting, transmission and storage media, and the method for The input of the encoder and the output of the decoder are compatible with	the coded representation of multichannel and multilingual high quality or decoding of multichannel and multilingual high quality audio signals. existing PCM standards.
Am 1(National), 2007-08-31	5
SANS 12942-2004 / ISO/TE 12942-2000 (2010-09-12)	
Water quality - Guidance on validation of microbiological methods	
Ed 1.00 A4 52p EN PDE 52p EN	Gr 13
Deals with validation of microbiological methods, with particular emphasis of based on counting of particles either directly, with the aid of a microscope, turbidity.	on selective quantitative methods in which the quantitative estimate is or indirectly, on the basis of growth (multiplication) into colonies or
SANS 13850:2012 / ISO 13850:2006	
Ed 1 00 A4 11p EN	Cr 7
PDF 11p EN	GI / 13.110
Creating the time way increases and desire windings for the amount of	
control the function.	stop function on machinery, independent of the type of energy used to
SANS 13888-1:2010 / ISO/IEC 13888-1:2009	
Information technology - Security techniques - Non-repudiation Part 1	: General
Ed 2.00 A4 26p EN	Gr 10
Provides a general model for subsequent parts of ISO/IEC 13888 (publishe	ad in South Africa as identical adoptions under the designation SANS
13888) specifying non-repudiation mechanisms for evidence generation, e cryptographic techniques.	vidence transfer, storage and retrieval and evidence verification, using
SANS 13888-2:2011 / ISO/IEC 13888-2:2010	
Information technology - Security techniques - Non-repudiation Part 2	: Mechanisms using symmetric techniques
Ed 2.00 A4 22p EN	Gr 9
PDF 22p EN	35.040
Provides descriptions of generic structures that can be used for non-repudia mechanisms which can be used to provide non-repudiation of origin (NRO)	ation services, and of some specific communication-related and non-repudiation of delivery (NRD).
SANS 13888-3:2010 / ISO/IEC 13888-3:2009	
Information technology - Security techniques - Non-repudiation Part 3	: Mechanisms using asymmetric techniques
Ed 2.00 A4 21p EN	Gr 9
	35.040
Specifies mechanisms for the provision of specific communication related,	non-repudiation services using asymmetric crytographic techniques.
SANS 13909-1:2001 / ISO 13909-1:2001 (2012-03-23) (SABS ISO 13909-1)	
Hard coal and coke - Mechanical sampling Part 1: General introductio	n
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	73.040; 75.160.10
Defines the basic terms used in the sampling of solid mineral fuels, describ provided in the documentation and the sampling report. Am 1(National), 2007-03-30	bes the general principles of sampling and details the information to be
SANS 13909-2:2001 / ISO 13909-2:2001 (2012-03-23) (SABS ISO 13909-2)	
Hard coal and coke - Mechanical sampling Part 2: Coal - Sampling from	m moving streams
Ed 1.00 A4 37p EN	Gr 11
PUF 3/P EN	73.040
Specifies procedures and requirements for the design and establishment of and describes the methods of sampling used.	f mechanical samplers for the sampling of coal from moving streams

Am 1(National), 2007-03-30

Standards South Africa Catalogue 2013 NUM - 550

NUMERICAL LIST OF STANDARDS

SANS 13909-3:2002 / ISO 13909-3:2001 (2012-03-23) (SABS ISO 13909-3)	
Hard coal and coke - Mechanical sampling Part 3: Coal - Sampling from sta	ationary lots
Ed 1.00 A4 23p EN PDF 23p EN	Gr 10 73.040
Specifies procedures for the mechanical sampling of coal from stationary lots.	
SANS 13909-4:2002 / ISO 13909-4:2001 (2012-03-23) (SABS ISO 13909-4)	
Hard coal and coke - Mechanical sampling Part 4: Coal - Preparation of tes	t samples
Ed 1.00 A4 33p EN PDF 33p EN	Gr 11 73.040
Describes the preparation of samples of coal from the combination of primary in	crements to the preparation of samples for specific tests.
SANS 13909-5:2001 / ISO 13909-5:2001 (2012-03-23) (SABS ISO 13909-5)	
Hard coal and coke - Mechanical sampling Part 5: Coke - Sampling from m	oving streams
Ed 1.00 A4 35p EN PDF 35p EN	Gr 11 75.160.10
Specifies procedures and requirements for the design and establishment of sam streams and the methods of sampling used.	pling schemes for the mechanical sampling of coke from moving
Ani (National), 2007-03-30	
SANS 13909-6:2001 / ISO 13909-6:2001 (2012-03-23) (SABS ISO 13909-6)	
Hard coal and coke - Mechanical sampling Part 6: Coke - Preparation of tes	st samples
Ed 1.00 A4 32p EN PDF 32p EN	Gr 11 75.160.10
Describes the preparation of samples of coke from the combination of primary ir Am 1(National), 2007-04-20	ncrements to the preparation of samples for specific tests.
SANS 13909-7:2001 / ISO 13909-7:2001 (2012-03-23) (SABS ISO 13909-7)	
Hard coal and coke - Mechanical sampling Part 7: Methods for determining	the precision of sampling, sample preparation and testing
Ed 1 00 A4 48n EN	Gr 12
PDF 48p EN	73.040; 75.160.10
Develops equations that link the variables which contribute to overall sampling p deriving values for primary increment variance, which can be used to modify the Am 1(National), 2007-03-30	recision. Decribes methods for estimating overall precision and for sampling scheme to change the precision.
SANS 13909-8:2001 / ISO 13909-8:2001 (2012-03-23) (SABS ISO 13909-8)	
Hard coal and coke - Mechanical sampling Part 8: Methods of testing for b	ias
Ed 1.00 A4 39p EN	Gr 11
PDF 39p EN	73.040; 75.160.10
Sets out principles and procedures for testing the bias of test samples of hard co Am 1(National), 2007-03-30	pals or cokes.
SANS 13929:2008 / ISO 13929:2001 Small craft - Steering gear - Geared link systems	
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	47.080
Specifies the minimum level of requirements for construction, operation and inst of hull length up to 24 m. Excludes steering systems covered by ISO 8848 and I the designation SANS 8848 and SANS 9775, respectively).	allation of geared link steering systems on all types of small craft SO 9775 (published in South Africa as identical adoptions under
SANS 13934-1:1999 / ISO 13934-1:1999 (2012-03-30) (SABS ISO 13934-1)	
Textiles - Tensile properties of fabrics Part 1: Determination of maximum formethod	orce and elongation at maximum force using the strip
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	59.080.30

Specifies a procedure to determine the maximum force and elongation at maximum force of textile fabrics using a strip method. It is mainly applicable to woven textile fabrics.

Am 1(National), 2006-04-07

Standards South Africa Catalogue 2013 NUM - 552

NUMERICAL LIST OF STANDARDS

Gr 8

59.080.30

59.080.30

SANS 13934-2:2008 / ISO 13934-2:1999

Textiles - Tensile properties of fabrics Part 2: Determination of maximum force using the grab method

Ed 1.00 A4 17p EN PDF 17p EN

Specifies a procedure for the determination of maximum force of textile fabrics known as the grab test.

SANS 13937-3:2007 / ISO 13937-3:2000

Textiles - Tear properties of fabrics Part 3: Determination of tear force of wing-shaped test specimens (Single tear method)

Ed 1.00 A4 18p EN Gr 8 PDF 18p EN 59.080.30

Specifies a single tear method using a test specimen cut to form two wings that are clamped inclined at a defined angle to the thread direction. The tear force measured is the force required to propagate a previously started tear. The method is not applicable to knitted fabrics, woven elastic fabrics and nonwoven fabrics.

SANS 13937-4:2007 / ISO 13937-4:2000

Textiles - Tear properties of fabrics	Part 4: Determination of tear force of tongue-shaped test specimens (Double tear test)
Ed 1.00 A4 18p EN	Gr 8

PDF 18p EN

Specifies a double-tear method known as the tongue test, using a test specimen with cuts shaped to form a tongue. The tear force measured is the force required to propagate the previously started double tears when the force is applied parallel to the cuts and the fabric tears in the direction of the applied force. The test is mainly applicable to woven textile fabrics.

SANS 13938-1:1999 / ISO 13938-1:1999 (2012-03-30)

(SABS ISO 13938-1)

Textiles - Bursting properties of fabrics Part 1: Hydraulic method for determination of bursting strength and bursting distension Ed 1.00 A4 13p EN Gr 7 PDF 13p EN

Describes a hydraulic method for the determination of bursting strength and bursting distension of textile fabrics. It is applicable to knitted, woven, non-woven and laminated fabrics.

Am 1(National), 2006-04-07

SANS 13964:2004 / ISO 13964:1998 (2012-03-16)

Air quality - Determination of ozone in ambient air - Ultraviolet photometric method

Ed 1.00	A4 18p EN	Gr 8
	PDF 18p EN	13.040.20

Specifies an ultraviolet (UV) photometric method for the determination of ozone in ambient air. Is applicable to the determination of ozone concentrations in the range 2 µg/m3 (volume fraction of 1 x 10-9) to 2 mg/m3 (volume fraction of 1 x 10-6) under reference conditions of 25°C and 101,25 kPa. Ultraviolet photometry is specified as the primary reference procedure for calibration.

SANS 13998:2012 / ISO 13998:2003

Protective clothing - Aprons, trousers and vests protecting against cuts and stabs by hand knives

Ed 1.00 A4 38p EN PDF 38p EN

Applies to protective aprons, trousers and vests for use with hand knives, and to other garments providing similar protection to parts of the body in accidents. Specifies requirements for the design, penetration resistance, cut resistance, sizing, ergonomic characteristics, innocuousness, water permeability, cleaning and disinfection, marking and information to be supplied by the manufacturer for users of protective aprons, trousers and vests. Describes the classification of protection levels and appropriate test methods.

SANS 14001:2005 / ISO 14001:2004 (2011-03-04)

(SABS ISO 14001)

Environmental management systems - Requirements with guidance for use

Ed 2.00 A4 32p EN Gr 11 PDF 32p EN 13.020.10

Specifies requirements for an environmental management system to enable an organization to formulate a policy and objectives taking into account legislative requirements and information about significant environmental impacts. Applies to environmental aspects that the organization can control and over which it can be expected to have an influence. Cor 1(International), 2011-03-04

SANS 14004:2005 / ISO 14004:2004 (2011-02-04)

(SABS ISO 14004)

Environmental management systems - General guidelines on principles, systems and support techniques

Ed 2.00 A4 48p EN PDF 48n FN

03.120.10; 13.020.10

Gr 12

Provides guidance on the establishment, implementation, maintenance and improvement of an environmental management system and its coordination with other management systems.

59.080.30

Gr 11

13.340.10

13.020.10 Am 1(National), 2005-08-26

Standards South Africa Catalogue 2013 NUM - 553

Am 1(National), 2005-08-26 SANS 14025:2006 / ISO 14025:2006 (2013-02-22)

the certification procedures for awarding the label.

SANS 14024:1999 / ISO 14024:1999 (2011-02-04)

Environmental labels and declarations - Type III environmental declarations - Principles and procedures

Gr 11

Ed 1.00 A4 32p EN PDF 32p EN

SANS 14005:2011 / ISO 14005:2010

PDF 77p EN

the location at which they occur.

Ed 1.00 A4 77p EN

Ed 2.00 A4 9p EN

(SABS ISO 14024)

Ed 1.00 A4 17p EN

PDF 17p EN

PDF 9p EN

the use of environmental performance evaluation

Establishes the principles and specifies the procedures for developing Type III environmental declaration programmes and Type III environmental declarations. Specifically establishes the use of the ISO 14040 series of standards (published in South Africa as identical adoptions under the designations SANS 14040 series) in the development of Type III environmental declaration programmes and Type III environmental declarations.

SANS 14031:1999 / ISO 14031:1999 (2011-02-04)

(SABS ISO 14031)

Environmental management - Environmental performance evaluation - Guidelines		
Ed 1.00	A4 39p EN	Gr 11
	PDF 39p EN	13 020

Gives guidance on the design and use of environmental performance evaluation within an organization. Applies to all organizations, regardless of type, size, location and complexity. Establishes environmental performance levels. Is not intended for certification or registration purposes or for the establishment of any other environmetal system conformance requirements.

Ed 1.00 A4 28p EN	Gr 10
PDF 28p EN	13.020

Establishes guiding principles for the development and use of environment labels and declarations.

13.020.10 Specifies requirements for self-declared environmental claims, including statements, symbols and graphics, regarding products. Describes selected terms commonly used in environmental claims and gives qualifications for their use. Also describes a general evaluation and verification methodology for self-declared environmental claims and specific evaluation and verification methods. Does not preclude, override, or in any way change, legally required environmental information, claims or labelling, or any other applicable legal requirements. Am 1(National), 2005-08-26

SANS 14021:1999 / ISO 14021:1999 (2011-02-04) (SABS ISO 14021) Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling)

SANS 14020:2003 / ISO 14020:2000 (2008-12-05)	
(SABS ISO 14020)	
Environmental labels and declarations - General principles	

Environmental management - Environmenta	assessment of sites and organizations (EASO)
Ed 1.00 A4 25p EN	Gr 10
PDF 25p EN	13.020.10
Provides guidance on how to conduct an EASC determining, if appropriate, their business const) through a systematic process of identifying environmental aspects and environmental issues and equences.

SANS 14015:2003 / ISO 14015:2001 (2008-12-05) nt of sites and organizations (EASO) Environmental management - Environmental

Provides guidance for all organizations, but particularly small- and medium-sized enterprises (SMEs), on the phased development, implementation, maintenance and improvement of an environmental management system. Includes advice on the integration and use of environmental performance evaluation techniques. Applies to any organization, regardless of its level of development, the nature of the activities undertaken or

Environmental management systems - Guidelines for the phased implementation of an environmental management system, including

NUMERICAL LIST OF STANDARDS

Gr 14

Gr 6

13.020.01

13.020.10

Establishes the principles and procedures for developing Type 1 environmental labelling programmes, including the selection of product categories, product environmental criteria and product function characteristics; and for assessing and demonstrating compliance. Also establishes

13.020.50

Environmental labels and declarations - Type I environmental labelling - Principles and procedures Gr 8 13.020.50

SANS 14040:2006 / ISO 14040:2006 (2013-02-22) (SABS ISO 14040)

Environmental management - Life cycle assessment - Principles and framework

Ed 2.00 A4 27p EN PDF 27p EN

Describes the principles and framework for life cycle assessment (LCA) including the goal and scope definition of the LCA, the life cycle inventory analysis (LCI) phase, the life cycle impact assessment (LCIA) phase, the life cycle interpretation phase, reporting and critical review of the LCA. limitations of the LCA, relationship between the LCA phases, and conditions for use of value choices and optional elements. Covers life cycle assessment (LCA) studies and life cycle inventory (LCI) studies. Does not describe the LCA technique in detail, nor does it specify methodologies for the individual phases of the LCA.

SANS 14041:1998 / ISO 14041:1998 (2005-08-26)

(SABS ISO 14041)

Environmental management - Life cycle assessment - Goal and scope definition and inventory analysis Gr 11

Ed 1.00 A4 29p EN PDF 29p EN

Specifies the requirements and the procedure necessary for the compilation and preparation of the definition of goal and scope for a Life Cycle Assessment (LCA), and for performing, interpreting and reporting a Life Cycle Inventory analysis (LCI). Am 1(National), 2005-08-26

SANS 14042:2000 / ISO 14042:2000 (2005-08-26)

(SABS ISO 14042)

Environmental management - Life cycle assessment - Life cycle impact assessment

Ed	1.00	A4 26p EN
		PDF 26p EN

Describes and gives guidance on a general framework for the life cycle impact assessment (LCIA) phase of life cycle assessment(LCA), and the key features and inherent limitations of LCIA, it specifies requirements for conducting the LCIA phase and the relationship of LCIA to the other LCA phases.

Am 1(National), 2005-08-26

SANS 14043:2000 / ISO 14043:2000 (2005-08-26)

(SABS ISO 14043) Environmental management - Life cycle assessment - Life cycle interpretation

Ed 1.00 A4 28p EN PDF 28p EN	

Provides requirements and recommendations for conducting the life cycle interpretation in LCA or LCI studies, does not describe specific methodologies for the life cycle interpretation phase of LCA and LCI studies.

Am 1(National), 2005-08-26

SANS 14044:2006 / ISO 14044:2006 (2013-02-22)

Environmental management - Life cycle assessment - Requirements and guidelines

Ed 1.00 A4 53p EN PDF 53p EN

Specifies requirements and provides guidelines for life cycle assessment (LCA) including the goal and scope definition of the LCA, the life cycle inventory analysis (LCI) phase, the life cycle impact assessment (LCIA) phase, the life cycle interpretation phase, reporting and critical review of the LCA, limitations of the LCA, relationship between the LCA phases, and conditions for use of value choices and optional elements. Covers life cycle assessment(LCA) studies and life cycle inventory (LCI) studies. Is not intended for contractual or regulatory purposes or registration and certification

SANS 14047:2005 / ISO/TR 14047:2003 (2011-02-04)

Environmental management - Life cycle impact assessment - Examples of application of SANS 14042

Ed 1.00 A4 94p EN PDF 94p EN

Provides examples to illustrate current practice in carrying out a life cycle impact assessment in accordance with SANS 14042.

SANS 14048:2003 / ISO/TS 14048:2002 (2008-12-05)

Environmental management - Life cycle assessment - Data documentation format

Ed 1.00 A4 47p EN PDF 47p EN

Provides the requirements and a structure for a data documentation format, to be used for transparent and unambiguous documentation and exchange of Life Cycle Assessment(LCA) and Life Cycle Inventory (LCI) data, thus permitting consistent documentation of data, reporting of data collection, data calculation and data quality, by specifying and structuring relevant information.

13.020.10; 13.020.60

Gr 10

13.020.10; 13.020.60

13.020.10; 13.020.60

Gr 13

Gr 15

13.020.10; 13.020.60

Gr 12

13.020.30; 13.020.60

Gr 10

13.020.01

13.020.10; 13.020.60

Gr 10

SANS 14049:2003 / ISO/TR 14049:2000 (2008-12-05)

Environmental management - Life cycle assessment - Examples of application of ISO 14041 to goal and scope definition and inventory analysis

Ed 1.00 A4 49p EN PDF 49p EN Gr 12 13.020.30; 13.020.60

Provides examples about practices in carrying out Life Cycle Inventory analysis (LCI) as a means of satisfying certain provisions of ISO 14041. These examples are only a sample of the possible cases satisfying the provision of the standard. They should be read as offering "a way" or "ways" rather than the "unique way" of applying the standard. Also they reflect only certain portions of an LCI study.

SANS 14050:2009 / ISO 14050:2009 (SABS ISO 14050)

Environmental management - Vocabulary

Ed 3.00	A4 85p EN			Ģ	àr 15		
	PDF 85p EN			0	1.040.13;	13.020.	10

Defines terms of fundamental concepts related to environmental management, published in the ISO 14000 (published in South Africa as an identical adoption under the designation SANS 14000) series of International Standards.

SANS 14062:2005 / ISO/TR 14062:2002 (2011-02-04)

Environmental management - Integrating environmental aspects into product design and development

Ed 1.00	A4 31p EN	Gr 11
	PDF 31p EN	13.020.10

Describes concepts and current practices relating to the integration of environmental aspects into product design and development, where "product" is understood to cover both goods and services. Applies to the development of sector-specific documents. Does not apply as a specification for certification and registration purposes.

SANS 14063:2006 / ISO 14063:2006 (2013-02-22)

Environmental management - Environmental communication - Guidelines and examples

Ed 1.00	A4 36p EN	Gr 11
	PDF 36p EN	13.020.10

Gives guidance to an organization on general principles, policy, strategy and activities relating to both internal and external environmental communication. Utilizes proven and well established approaches for communication, adapted to the specific conditions that exist in environmental communication. Applies to all organizations regardless of their size, type, location, structure, activities, products and services, and whether or not they have an environmental management system in place. Is not intended for certification or registration purposes or for the establishment of any other environmental management system conformity requirements. Can be used in combination with any of the ISO 14000 series (published in South Africa as identical adoptions under the designations SANS 14000 series) of standards, or on its own.

SANS 14064-1:2006 / ISO 14064-1:2006 (2013-02-22)

Greenhouse gases Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals

Ed 1.00 A4 29p EN PDF 29p EN

Specifies principles and requirements at the organization level for quantification and reporting of greenhouse gas (GHG) emissions and removals. Includes requirements for the design, development, management, reporting and verification of an organization's GHG inventory.

Gr 10

13.020.40

SANS 14064-2:2006 / ISO 14064-2:2006 (2013-02-22)

Greenhouse gases Part 2: Specification with guidance at the project level for guantification, monitoring and reporting of greenhouse gas emission, reductions or removal enhancements

Ed 1.00	A4 36p EN	Gr 11
	PDF 36p EN	13.020.40

Specifies principles and requirements and provides guidance at the project level for guantification, monitoring and reporting of activities intended to cause greenhouse gas (GHG) emission reductions or removal enhancements. Includes requirements for planning a GHG project, identifying and selecting GHG sources, sinks and reservoirs relevant to the project and baseline scenario, monitoring, quantifying, documenting and reporting GHG project performance and managing data quality.

SANS 14064-3:2006 / ISO 14064-3:2006 (2013-02-22)

Greenhouse gases Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions

Ed 1.00 A4 43p EN PDF 43p EN

Specifies principles and requirements and provides guidance for those conducting or managing the validation and or verification of greenhouse gas (GHG) assertions. Specifies requirements for selecting GHG validators/verifiers, establishing the level assurance, objectives, criteria and scope, determining the validation/verification approach, assessing GHG data, information, information systems and controls, evaluating GHG assertions and preparing validation/verification statements.

SANS 14065:2007 / ISO 14065:2007 (2011-02-04)

Greenhouse gases - Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Ed 1.00	A4 33p EN		Gr 11
	PDF 33p EN	1	13.020.40

Specifies principles and requirements for bodies that undertake validation or verification of greenhouse gas (GHG) assertions.

Standards South Africa Catalogue 2013 NUM - 555

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Gr 12

13.020.40

SANS 14066:2012 / ISO 14066:2011

Greenhouse gases - Competence requirements for greenhouse gas validation teams and verification teams

Ed 1.00 A4 32p EN PDF 32p EN Gr 11

Gr 10

13.020.40; 13.040.40

Specifies competence requirements for greenhouse gas validation teams and verification teams.

SANS 14102:2009 / ISO/IEC 14102:2008

(SABS ISO/IEC 14102)

Ed 1 00 A4 23n EN

Information technology - Guideline for the evaluation and selection of CASE tools

Ed 2.00	A4 48p EN	(Gr 12
	PDF 48p EN	3	35.080

Defines both a set of processes and a structured set of CASE tool characteristics for use in the technical evaluation and the ultimate selection of a CASE tool. Follows the software product evaluation model defined in SANS 14598-5:1998. Adopts the general model of software product quality characteristics and sub-characteristics defined in SANS 9126-1:2001 and extends these when the software product is a CASE tool; provides product characteristics unique to CASE tools. Technical evaluation indicates how well a CASE tool meets its user's stated requirements and indicates how well the tool meets its claimed functionality.

Document management - Change management for successful electronic document management system (EDMS) implementation

SATR 14105:2011 / ISO/TR 14105:2011

Lu 1.00	PDF 23p EN	35.240.30
Defines t (EDMS) d	he cognitive, physical, organizational, and human factors as they apply to development, selection and implementation.	usability criteria for electronic document management systems
SANS 14 Gas weld of 450 ba	113:2004 / ISO 14113:1997 (2009-03-27) ding equipment - Rubber and plastic hoses assembled for compresso ar	ed or liquefied gases up to a maximum design pressure
Ed 1.00	A4 14p EN PDF 14p EN	Gr 7 25.160.30

Specifies requirements for rubber and plastics hoses and hose assemblies for use with compressed or liquefied gases up to a maximum design pressure of 450 bar (45 MPa), within the ambient temperature range -20 $^{\circ}$ C to +60 $^{\circ}$ C.

SANS 14143-1:2008 / ISO/IEC 14143-1:2007

(SABS ISO/IEC 14143-1)					
Information technology	 Software measurement - 	Functional siz	ze measurement Pa	art 1: Definitio	n of concepts

Ed 2.00	A4 11p EN	Gr 7
	PDF 11p EN	35.080

Defines the concepts of FSM (Functional Size Measurement). The concepts of FSM (Functional Size Measurement) are designed to overcome earlier methods of sizing software by shifting focus away from measuring how software is implemented to measuring size in terms of functions required by the user.

SANS 14143-2:2003 / ISO/IEC 14143-2:2002 (2009-08-28)
Information Technology - Software measurement - Functional size measurement Part 2: Conformity evaluation of software size
measurement methods to ISO/IEC 14143-1:1998

Ed 1.00	A4 38p EN	Gr 11
	PDF 38p EN	35.080

Establishes a framework for the conformity evaluation of a Candidate FSM Method against the provisions of ISO/IEC 14143-1:1998. Describes a process for conformity evaluation of whether a Candidate FSM Method meets the(type) requirements of ISO/IEC 14143-1:1998 such that it is an actual FSM method, i.e. they are of the same type, describes the requirements for perfoming a conformity evaluation in order to ensure repeatability of the conformity evaluation process, as well as consistency of decisions on conformity and final result, aims to ensure that the output from the conformity evaluation process is objective, impartial, consistent, repeatable, complete and auditable. Provides informative guidelines for determining the competence of the conformity evaluation teams, provides an example checklist to assist in the conformity evaluation of a Candidate FSM Method, and provides an example template for the conformity evaluation report.

SANS 14143-3:2004 / ISO/IEC TR 14143-3:2003 (2009-02-06) Information technology - Software measurement - Functional size measurement Part 3: Verification of functional size measurement methods Ed 1.00 A4.31p EN Gr 11

Ed 1.00	A4 31p EN	Gr 1
	PDF 31p EN	35.08

This part of SANS 14143 establishes a framework for verifying the statements of a Function Size Measurement (FSM) Method and/or for conducting tests requested by the verification sponsor, relative to the performance properties of repeatability and reproducibility, accuracy, convertibility, discrimination threshold, and applicability to Functional Domains.

SANS 14143-4:2003 / ISO/IEC TR 14143-4:2002 (2009-08-28)		
Informat	ion Technology - Software measurement -	Functional size measurement Part 4: Reference model
Ed 1.00	A4 101p EN	Gr 16
	PDF 101p EN	35.080

Defines the reference model to be used when verifying a Functional Size Measurement (FSM) method.

Standards South Africa Catalogue 2013 NUM - 556

SANS 14143-5:2004 / ISO/IEC TR 14143-5:2004 (2009-02-06) Information technology - Software measurement - Functional size measurement with functional size measurement	ent Part 5: Determination of functional domains for use
Ed 1.00 A4 34p EN PDF 34p EN	Gr 11
Describes the characteristics of functional domains and the procedures by which ch to determine functional domains.	naracteristics of functional user requirements (FUR) can be used
SANS 14143-6:2009 / ISO/IEC 14143-6:2006 Information technology - Software measurement - Functional size measurement related international standards	ent Part 6: Guide for use of ISO/IEC 14143 series and
Ed 1.00 A4 28p EN PDF 28p EN	Gr 10 35.080
Provides a summary of the FSM (Functional Size Measurement) related standards FSM and conformance and verification of FSMMs (Functional Size Measurement M mandatory requirements of SANS 14143-1. Provides a process to assist users sele on how to use the Functional Size (FS).	and the relationship between the definitions and concepts of lethods), and software sizing methods that conform to the ect an FSMM that meets their requirements and gives guidance
SANS 14159:2006 / ISO 14159:2002 Safety of machinery - Hygiene requirements for the design of machinery	
Ed 1.00 A4 37p EN	Gr 11
PDF 3/p EN	01.040.13; 13.100; 13.110
types of machines and associated equipment used in applications where hygiene ri	isks to the consumer of the product can occur.
SANS 14180:1998 / ISO 14180:1998 (2007-04-20) (SABS ISO 14180) Solid mineral fuels - Guidance on the sampling of coal seams	
Ed 1.00 A4 22p EN	Gr 10
PDF 22p EN	73.040
Provides guidance on methods for taking samples from coal seams in the ground, vunderground or open-cut mines. Does not apply to sampling from moving streams i Am 1(National), 2007-04-20	whether from exploration tenements, or from operating in production or to any other source of coal that is not in situ.
SANS 14227:2008 / ISO 14227:2001 Small craft - Magnetic compasses	
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	47.080
Specifies the general requirements for the construction and the performance of type length up to 24 m. Does not cover dry card compasses.	e tests of magnetic compasses on board small craft of hull
SANS 14236:2003 / ISO 14236:2000 (2009-07-31)	
Figure Fi	n polyetnylene pressure pipes in water supply systems
PDF 20p EN	23.040.45
Specifies the required properties and test methods for mechanical fittings intended diameters not greater than 160 mm, used in water supply systems conveying potat and including 40 $^{\circ}$ C.	to join polyethylene pressure pipes of nominal outside le water and water for general purposes at temperatures up to
SANS 14268:2011 / ISO 14268:2002 Leather - Physical and mechanical tests - Determination of water vapour pern	neability
Ed 1.00 A4 11p EN PDF 11p EN	Gr 7 59.140.30
Describes a method for determining the water vapour permeability of leather and pr applicable to all leathers below 3,0 mm thickness.	rovides alternative methods of sample preparation. It is

SANS 14289-1:2013 / ISO 14289:2012

Document management applications - Electronic document file format enhancement for accessibility Part 1: Use of ISO 32000-1 (PDF/UA-1)

Ed 1.00	A4 23p EN	Gr 10
	PDF 23p EN	35.240.30; 37.100.99

Specifies how to use ISO 32000-1 (PDF/UA-1) (published in South Africa as an identical adoption under the designation SANS 32000-1) to produce accessible electronic documents. Not applicable to specific processes for converting paper or electronic documents to the PDF/UA format; specific technical design, user interface, implementation, or operational details of rendering; specific physical methods of storing these documents, such as media and storage conditions; and required computer hardware and/or operating systems.

Gr 8

25.160.20

SANS 14341:2009 / ISO 14341:2002 Welding consumables - Wire electrodes and deposits for gas shielded metal arc welding of non alloy and fine grain steels -Classification

Ed 1.00 A4 18p EN PDF 18p EN

Specifies requirements for classification of wire electrodes in the as-welded condition and in the post weld heat-treated condition for gas shielded metal arc welding of non-alloy and fine grain steels with a minimum yield strength of up to 500 N/mm2 or a minimum tensile strength of up to 570 N/mm2. Constitutes a combined specification providing classification utilizing a system based upon the yield strength and the average impact energy of 47 J of all-weld metal, or utilizing a system based upon the tensile strength and the average impact energy of 27 J of all-weld metal.

SANS 14356:2008 / ISO 14356:2003 **Dentistry - Duplicating material**

Ed 1.00 A4 35p EN Gr 11 PDF 35p EN 11.060.10

Specifies requirements and tests for the duplicating materials used in dentistry which are primarily intended for forming flexible moulds needed to produce positive refractory investment copies of properly blocked-out master models.

SANS 14399-1:2011 / EN 14399-1:2005

High-stre	ength structural bolting assemblies for preloading Pa	rt 1: General requirements
Ed 1.00	A4 23p EN	Gr 10
	PDF 23p EN	21.060.01

Specifies the general requirements for the components of bolt/nut/washer(s) assemblies for high-strength structural bolting, which are suitable for preloading, and for the assemblies themselves.

SANS 14399-2:2011 / EN 14399-2:2005

High-strength structural bolting assemblies for preloading Part 2: Suitability test for preloading

Ed 1.00	A4 14p EN	Gr 7
	PDF 14p EN	21.060.01

Specifies a tightening test to verify the suitability of high strength bolt/nut/washer assemblies for preloaded bolted connection in metallic structures.

SANS 14399-3:2011 / EN 14399-3:2005

High-strength structural bolting assembl	ies for preloading Part 3: System HR	? - Hexagon bolt and nut assemblies
Ed 1.00 A4 20p EN		Gr 9

PDF 20p EN	21.060.01	
Specifies together with SANS 14399-1	the requirements for assemblies of high-strength structural bolts and nuts of	

uts of system HR suitable for preloaded joints with large widths across flats, thread sizes M12 to M36 and property classes 8.8/8 and 10.9/10.

SANS 14399-4:2011 / EN 14399-4:2005

High-strength structural bolting assemblies for preloading Part 4: System HV - Hexagon bolt and nut assemblies

Ed 1.00 A4 18p EN PDF 18p EN

Specifies, together with SANS 14399-1 the requirements for assemblies of high-strength structural bolts and nuts of system HV suitable for preloaded joints with large widths across flats, thread sizes M 12 to M 36 and property classes 10.9/10.

SANS 14399-5:2011 / EN 14399-5:2005

High-strength structural bolting assemblies for preloading Part 5: Plain washers

Ed 1.00	A4 9p EN	Gré
	PDF 9p EN	21.0

Specifies, together with SANS 14399-1, hardened and tempered plain washers intended for assembly with large series hexagon high-strength structural bolts and nuts with threads from M12 to M36 inclusive. Washers according to this standard can be applied under the nut only. Cor 1(International), 2011-04-14

SANS 14399-6:2011 / EN 14399-6:2005

SANS 14399-7:2011 / EN 14399-7:2007

High-strength structural bolting assemblies for preloading Part 6: Plain chamfered washers Gr 6

Ed 1.00 A4 9p EN PDF 9p EN

Specifies, together with SANS 14399-1, hardened and tempered plain washers with chamfer intended for assembly with large series hexagon highstrength structural bolts and nuts with thread sizes from M12 to M36 inclusive. Cor 1(International), 2011-04-14

High-strength structural bolting assemblies for	r preloading Part 7: System HR - Countersunk head bolt and nut assemblies
Ed 1.00 A4 22p EN	Gr 9
PDF 22p EN	21.060.01

Specifies general requirements; testing for conformity evaluation; evaluation of conformity; regulatory marking; for assemblies of high-strength structural countersunk bolts and nuts of system HR suitable for preloaded joints with thread sizes M12 to M36 and bolt property classes 8.8 and 10.9 and SANS 14399-2 for suitability testing.

> Standards South Africa Catalogue 2013 NUM - 558

21.060.01

Gr 8

6

21.060.30

60.30

Standards South Africa Catalogue 2013 NUM - 559

FDF 24p EN	21.060.01
Specifies the requirements for assemblies of high-strength structural bolts and nuts the requirements for the general dimensions, tolerances, materials and performance direct tension indicators, nut face washers and bolt face washers suitable for preload	s, with large width across flats, of system HR or HV, including e for two grades, H8 and H10, of compressible washer-type aded joints.
SANS 14399-10:2011 / EN 14399-10:2009	
High-strength structural bolting assemblies for preloading Part 10: Bolt and r	nut assemblies with calibrated preload
Ed 1.00 A4 22p EN	Gr 9
PDF 22p EN	21.060.01
Specifies, together with SANS 14399-1, the requirements for assemblies of high-st preloaded joints, with hexagon head (large widths across flats) or cup head, thread	rength structural bolts and nuts of system HRC suitable for sizes M12 to M30 and property class 10.9/10.
SANS 14403:2002 / ISO 14403:2002 (2008-02-22)	
Water quality - Determination of total cyanide and free cyanide by continuous	flow analysis
Ed 1.00 A4 22p EN	Gr 9
PDF 22p EN	13.060.50
Specifies methods for the determination of cyanide in various types of water.	
SANS 14416:2005 / ISO 14416:2003 (2011-02-24)	cals serials and other naner documents for archive and
library use - Methods and materials	
Ed 1.00 A4 41p EN	Gr 12
PDF 41p EN	01.140.40
Applies to the hinding of backs, periodicals and archive desumants, which have an	acial requirements for durability and permanance. The use as
well as the wear and tear, of library and archive documents varies. The choice of bi requirements of a specific library or archive.	inding method should therefore relate to the appropriate
SANS 14443-1:2000 / ISO/IEC 14443-1:2000 (2011-12-15) (SABS ISO/IEC 14443-1)	
Identification cards - Contactless integrated circuit(s) cards - Proximity cards	Part 1: Physical characteristics
Ed 1.00 A4 10p EN	Gr 6
PDF 10p EN	35.240.15
Specifies the physical characteristics of proximity cards (PICC). Applies to identification	ation cards of the card type ID-1 operating in proximity of a
coupling device.	
Am 1(National), 2007-02-02	
SANS 14443-2:2012 / ISO/IEC 14443-2:2010	
Identification cards - Contactless integrated circuit cards - Proximity cards P	art 2. Badio frequency power and signal interface
Ed 2.00 A4.31p EN	Gr 11
PDF 31p EN	25 240 15
Specifies the characteristics of the fields to be provided for power and bidirectional proximity cards or objects (PICCs).	communication between proximity coupling devices (PCDs) and
SANS 14443-3:2012 / ISO/IEC 14443-3:2011	
Identification cards - Contactless integrated circuit cards - Proximity cards Pa	art 3: Initialization and anticollision
Ed 2.00 A4 69p EN	Gr 14
PDF 69p EN	35.240.15
Describes polling for proximity cards or objects (PICCs) entering the field of a proxi timing used during the initial phase of communication between PCDs and PICCs, t methods to detect and communicate with one PICC among several PICCs (anticoll between a PICC and PCD, and optional means to ease and speed up the selection criteria.	mity coupling device (PCD), the byte format, the frames and he initial Request and Answer to Request command content, ision), other parameters required to initialize communications of one PICC among several PICCs based on application

SANS 14399-8:2011 / EN 14399-8:2007 High-strength structural bolting assemblies for preloading Part 8: System HV - Hexagon fit bolt and nut assemblies

Ed 1.00 A4 18p EN PDF 18p EN Gr 8 21.060.01

Specifies general requirements; testing for conformity evaluation; evaluation of conformity; regulatory marking; for assemblies of high-strength structural fit bolts and nuts of system HV suitable for preloaded joints with, thread sizes M12 to M36 and bolt property class 10.9.

SANS 14399-9:2011 / EN 14399-9:2009

High-strength structural bolting assemblies for preloading Part 9: System HR or HV - Direct tension indicators for bolt and nut assemblies Ed 1.00 A4 24p EN PDF 24p EN Gr 10

NUMERICAL LIST OF STANDARDS

Describes a half-duplex block transmission protocol featuring the special needs of a contactless environment and defines the activation and deactivation sequence of the protocol. Applicable to proximity cards of type A and type B.

Am 1(International), 2007-02-02

PDF 43p EN

Ed 1.00 A4 43p EN

SANS 14443-4:2004 / ISO/IEC 14443-4:2001 (2011-12-15)

SANS 14469-1:2010 / ISO 14469:2004

Road vehicles - Compressed natural gas (CNG) refuelling connector Part 1: 20 MPa (200 bar) connector

Identification cards - Contactless integrated circuit(s) cards - Proximity cards Part 4: Transmission protocol

Ed 1.00	A4 30p EN	Gr 10
	PDF 30p EN	43.060.40

Specifies CNG refuelling nozzles and receptacles constructed entirely of new and unused parts and materials, for road vehicles powered by compressed natural gas. Applies only to such devices designed for a service pressure of 20 MPa (200 bar), identified by the code B200, to those using CNG in accordance with ISO 15403 and having standardized mating components, and to connectors that prevent natural gas vehicles from being fuelled by dispenser stations with service pressures higher than that of the vehicle, while allowing them to be fuelled by stations with service pressures less than or equal to the vehicle fuel system service pressure.

SANS 14469-2:2010 / ISO 14469-2:2007

Road vehicles - Compressed natural gas (CNG) refuelling connector Part 2: 20 MPa (200 bar) connector, size 2

Ed 1.00	A4 31p EN	Gr 11
	PDF 31p EN	43.060.40

Applies to compressed natural gas (CNG) vehicle nozzles and receptacles, constructed entirely of new, unused parts and materials for which there is a demand, in particular for large CNG urban buses of refuelling times equivalent to those of urban buses driven by conventional diesel engines. The proposed connector, size 2, offers a larger cross section than the connector in accordance with SANS 14469-1 and, therefore, permits refuelling of the vehicles within significantly shorter time periods. Studies have shown that the proposed connector, size 2, offers more than twice the mass flow of the connectors specified in SANS 14469-1.

SANS 14469-3:2010 / ISO 14469-3:2006

Road vehicles - Compressed natural gas (CNG) refuelling connector Part 3: 25 MPa (250 bar) connector

Ed 1.00	A4 31p EN	Gr 11
	PDF 31p EN	43.060.40

Applies to compressed natural gas (CNG) vehicle nozzles and receptacles, hereinafter referred to as devices, constructed entirely of new, unused parts and materials. Applies to devices with standardized mating components and that have a service pressure of 250 bar.

SANS 14471:2009 / ISO/IEC TR 14471:2007

(SABS ISO/IEC TR 14471)

Information technology - Software engineering - Guidelines for the adoption of CASE tools

Ed 2.00	A4 29p EN	Gr 10
	PDF 29p EN	35.080

Provide guidance in establishing processes and activities that are to be applied for the successful adoption of CASE technology.

SANS 14509-1:2009 / ISO 14509-1:2008

Small craft - Airborne sound emitted by powered recreational craft Part 1: Pass-by measurement procedures

Ed	1.00	A4 23p EN	
		PDF 23p EN	

Specifies the conditions for obtaining reproducible and comparable measurement results of the maximum sound pressure level of airborne sound generated during the passage of powered recreational craft of up to 24 m length of hull, including inboards, stern drives, personal watercraft (PWC) and outboard motors. Also specifies standard craft based type tests for stern drives with integral exhaust systems and for outboard motors. Also specifies the procedure to be followed if, in addition to the maximum sound pressure level, the determination of the sound exposure level is desired.

SANS 14509-3:2010 / ISO 14509-3:2009

Small craft - Airborne sound emitted by powered recreational craft Part 3: Sound assessment using calculation and measurement procedures

Ed 1.00 A4 18p EN PDF 18p EN

Specifies the procedures for assessing sound emission of powered monohull recreational craft of length up to 24 m with a Froude number greater than 1.1.

SANS 14516:2003 / ISO/IEC TR 14516:2002 (2010-03-19)

Information technology - Security techniques - Guidelines for the use and management of Trusted Third Party services Ed 1.00 A4 40p EN Gr 11 PDF 40p EN 35 040

Provides guidance for the use and management of TTPs, a clear definition of the basic duties and services provided, their description and their purpose, and the roles and liabilities of TTPs and entities using their services.

NUMERICAL LIST OF STANDARDS

35,240,15

Gr 12

Gr 10

17.140.30; 47.080

Gr 9 17.140.30; 47.080

SANS 14518:2008 / ISO 14518:2005 Cranes - Requirements for test loads

PDF 9p EN 53.020.20 Establishes methods for composition and measurement of test loads and procedures for the application of test loads during the testing of cranes. Covers the types of cranes described in ISO 4306-1.

SANS 14520-1:2008 / ISO 14520-1:2006

(SABS ISO 14520-1)

Ed 1.00 A4 9p EN

Gaseous fire-extinguishing systems - Physical properties and system design Part 1: General requirements

Ed 2.00	A4 94p EN	
	PDF 94p EN	

Specifies requirements and gives recommendations for the design, installation, testing, maintenance and safety of gaseous fire fighting systems in buildings, plant or other structures, and the characteristics of the various extinguishants and types of fire for which they are a suitable extinguishing medium. Covers total flooding systems primarily related to buildings, plant and other specific applications, utilizing electrically non-conducting gaseous fire extinguishants that do not leave a residue after discharge and for which there are sufficient data currently available to enable validation of performance and safety characteristics by an appropriate independent authority. Is not applicable to explosion suppression.

SANS 14520-2:2008 / ISO 14520-2:2006

(SABS ISO 14520-2)

Gaseous fire-extinguishing systems - Physical properties and system design Part 2: CF3I extinguishant

Ed 2.00 A4 11p EN PDF 11p EN

Gives specific requirements for gaseous fire-extinguishing systems, with respect to the CF3I extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar. Does not preclude the use of other systems.

SANS 14520-5:2008 / ISO 14520-5:2006 .

Gaseous	fire-extinguishing systems - Physical properties and system design	Part 5: FK-5-1-12 extinguishant
Ed 1.00	A4 12p EN	Gr 7
	PDF 12p EN	13.220.10; 13.220.20

Gives specific requirements for gaseous fire-extinguishing systems, with respect to the FK-5-1-12 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar and 42 bar with nitrogen propellant. Does not preclude the use of other systems.

SANS 14520-6:2008 / ISO 14520-6:2006

(SABS ISO 14520-6)

Gaseous fire-extinguishing systems - Physical properties and system design Part 6: HCFC blend A extinguishant

Ed 2.00 A4 12p EN PDF 12p EN

Gives specific requirements for gaseous fire-extinguishing systems, with respect to the HCFC Blend A extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar and 42 bar, superpressurized with nitrogen. Does not preclude the use of other systems.

SANS 14520-8:2008 / ISO 14520-8:2006

(SABS ISO 14520-8)

(0.20.0		
Gaseous	fire-extinguishing systems - Physical properties and system design	Part 8: HFC 125 extinguishant
Ed 2.00	A4 12p EN	Gr 7

PDF 12p EN

Gives specific requirements for gaseous fire-extinguishing systems, with respect to the HFC 125 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar and 42 bar, superpressurized with nitrogen. Does not preclude the use of other systems.

SANS 14520-9:2008 / ISO 14520-9:2006

(SABS ISO 14520-9)

Gaseous fire-extinguishing systems - Physical properties and system design Part 9: HFC 227ea extinguishant

Ed 2.00 A4 13p EN PDF 13p EN

Gives specific requirements for gaseous fire-extinguishing systems, with respect to the HFC 227ea extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar and 42 bar superpressurized with nitrogen. Does not preclude the use of other systems.

Gr 7 13.220.10

Gr 7

Gr 6

Gr 14 13.220.10

13.220.10

Gr 7

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Gr 7 13.220.10

Gr 7

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Gr 7 13.220.10

13.220.10

13.220.10

SANS 14520-10:2008 / ISO 14520-10:2005 (SABS ISO 14520-10)

Gaseous fire-extinguishing systems - Physical properties and system design Part 10: HFC 23 extinguishant

Ed 2.00 A4 12p EN PDF 12p EN

Gives specific requirements for gaseous fire-extinguishing systems, with respect to the HFC 23 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems oprating at a nominal pressure of 41 bar without nitrogen superpressurization. Does not preclude the use of other systems.

SANS 14520-11:2008 / ISO 14520-11:2005

(SABS ISO 14520-11)

Gaseous fire-extinguishing systems - Physical properties and system design Part 11: HFC 236fa extinguishant

Ed 2.00 A4 12p EN PDF 12p EN

Gives specific requirements for gaseous fire-extinguishing systems, with respect to the HFC 236fa extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar superpressurized with nitrogen. Does not preclude the use of other systems.

SANS 14520-12:2008 / ISO 14520-12:2005

(SABS ISO 14520-12)

Gaseous fire-extinguishing systems - Physical properties and system design Part 12: IG-01 extinguishant

Ed 2.00	A4 12p EN
	PDF 12p EN

Gives specific requirements for gaseous fire-extinguishing systems, with respect to the IG-01 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 160 bar, 200 bar and 300 bar at 15 degrees Celsius. Does not preclude the use of other systems; however, design data for other pressures were not available at time of publication.

SANS 14520-13:2008 / ISO 14520-13:2005

(SABS ISO 14520-13)

Gaseous fire-extinguishing systems - Physical properties and system design Part 13: IG-100 extinguishant

Ed 2.00	A4 11p EN	Gr 7
	PDF 11p EN	13.220.10

Gives specific requirements for gaseous fire-extinguishing systems, with respect to the IG-100 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 200 bar and 300 bar, both at 15 degees celsius. Does not preclude the use of other systems; however, design data for other pressures were not available at time of publication.

SANS 14520-14:2008 / ISO 14520-14:2005

(SABS ISO 14520-14)

Gaseous fire-extinguishing systems - Physical properties and system design Part 14: IG-55 extinguishant

Ed 2.00 A4 12p EN PDF 12p EN

Gives specific requirements for gaseous fire-extinguishing systems, with respect to the IG-55 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 150 bar, 200 bar and 300 bar, at 15 degrees celsius. Does not preclude the use of other systems; however, design data for other pressures were not available at time of publication.

SANS 14520-15:2008 / ISO 14520-15:2005

(SABS ISO 14520-15)

Gaseous fire-extinguishing systems - Physical properties and system design Part 15: IG-541 extinguishant

Ed 2.00 A4 15p EN PDF 15p EN

Gives specific requirements for gaseous fire-extinguishing systems, with respect to the IG-541 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 150 bar, 200 bar and 300 bar, at 15 degrees celsius. Does not preclude the use of other systems; however, design data for other pressures were not available at time of publication.

SANS 14531-1:2010 / ISO 14531-1:2002

Plastics pipes and fittings - Cross-linked polyethylene (CP-X) pipe systems for the conveyance of gaseous fuels - Metric series -**Specifications Part 1: Pipes**

Ed 1.00 A4 32p EN PDF 32p EN

Specifies the physical properties and mechanical-performance requirements for crosslinked polyethylene (PE-X) pipes intended for use in the supply of gaseous fuels. Lays down dimensional requirements and specifies some general material properties (including chemical resistance) together with a classification scheme for PE-X produced in the form of pipe.

Gr 8

Gr 11

23.040.20; 23.040.45; 75.200

13.220.10

Gr 7

13.220.10
75.200: 83.140.30

23.040.20; 23.040.45

SANS 14531-2:2010 / ISO 14531-2:2004

Plastics pipes and fittings - Cross-linked polyethylene (PE-X) pipe systems for the conveyance of gaseous fuels - Metric series -Specifications Part 2: Fittings for heat-fusion jointing Gr 11

Ed 1.00 A4 36p EN PDF 36p EN

Specifies the physical properties and mechanical performance requirements of crosslinked polyethylene (PE-X) and polyethylene (PE) socket, saddle and spigot fittings for the connection by socket or saddle heat-fusion jointing techniques of PE-X pipes manufactured in accordance with ISO 14531-1 (published in South Africa as an identical adoption under the designation SANS 14531-1).

SANS 14531-3:2010 / ISO 14531-3:2006

Plastics pipes and fittings - Cross-linked polyethylene (CP-X) pipe systems for the conveyance of gaseous fuels - Metric series -Specifications Part 3: Fittings for mechanical jointing (including PE-X/metal transitions) Gr 10

Ed 1.00 A4 26p EN PDF 26p EN

Specifies the physical properties and mechanical-performance requirements for full-end-load-resistant mechanical fittings for use in the connection of crosslinked pipes conforming to ISO 14531-1 (published in South Africa as an identical adoption under the designation SANS 14531-1) and in the construction of transition assemblies for joining PE-X pipes to metal pipes having plain spigot, screw thread, compression socket and flange terminations. Lays down dimensional requirements and specifies some general material properties (including chemical resistance) together with a classification scheme for PE-X fitting materials produced in the form of pipe.

SANS 14531-4:2010 / ISO 14531-4:2006

Plastics pipes and fittings - Cross-linked polyethy Specifications Part 4: System design and installat	lene (PE-X) pipe systems for the conveyance of gaseous fuels - Metric series - ion guidelines
Ed 1.00 A4 23p EN	Gr 10
PDF 23p EN	23.040.20; 23.040.45; 75.200
Provides guidance for the design, construction, install installation methods	ation and on-site testing of PE-X pipeline systems. Deals with trenchless and open-trench

SANS 14557:2007 / ISO 14557:2002

Fire-figh	ting hoses - Rubber and plastics suction hoses and hose assemblies	3
Ed 1.00	A4 25p EN	Gr 10
	PDF 25p EN	13.220.10: 23.040.70

Gives requirements and test methods for rubber and plastics suction hoses for fire-fighting purposes. Additional requirements for hose assemblies already fitted with couplings are also specified.

SANS 14560:2009 / ISO 14560:2004

Acceptance sampling procedures by attributes - Specified quality levels in nonconfirming items per million

Ed 1.00 A4 26p EN	Gr 10
PDF 26p EN	03.120.30

Specifies procedures for estimating the quality level of a single entity and, when the production process is in statistical control, for estimating the process quality level based on evidence from several samples. Gives procedures for using this information when selecting a suitable sampling plan so as to verify that the quality level of a given lot does not exceed a stated limiting quality level (LQL). For the case where no prior sample data is available, guidance is given for presuming a process guality level in selecting a plan.

SANS 14577-1:2009 / ISO 14577-1:2002

Metallic materials - Instrumented indentation test for hardr	ness and materials parameters Part 1: Test method
Ed 1.00 A4 32p EN	Gr 11

	PDF 32p EN	77 040 10
		77.040.10
Chaolifian	the method of instrumented indeptation test for determination of h	ordnood and other meterials

Specifies the method of instrumented indentation test for determination of hardness and other materials parameters for macro, micro and nano ranges.

SANS 14577-2:2009 / ISO 14577-2:2002

Metallic materials - Instrumented indentation test for hardness and materials parameters Part 2: Verification and calibration of testing machines

Ed 1.00 A4 28p EN PDF 28p EN

Specifies the method of verification and calibration of testing machines for carrying out the instrumented indentation test in accordance with SANS 14577-1. It also describes a direct verification method for checking the main functions of the testing machine and an indirect verification method suitable for the determination of the repeatability of the testing machine.

SANS 14577-3:2009 / ISO 14577-3:2002 Metallic materials - Instrumented indentation test for hardness and materials parameters Part 3: Calibration of reference blocks

Ed 1.00	A4 16p EN	Gr 8
	PDF 16p EN	77.040.10
Specifies indentation	a method for the calibration of reference blocks to be used for the indirec on test, as specified in SANS 14577-2	t verification of testing machines for the instrumented

Gr 10

77.040.10

Gr 11

35.080

SANS 14598-1:1999 / ISO/IEC 14598-1:1999 (2007-02-16) (SABS ISO/IEC 14598-1)

Information technology - Software product evaluation Part 1: General overview

Ed 1.00 A4 25p EN PDF 25p EN

Provides an overview of the other parts and explains the relationship between these and the quality model in ISO/IEC 9126 (published in South Africa as an identical adoption under the designation SANS 9126 (different parts)). Defines the technical terms used, contains general requirements for specification and evaluation of software quality and clarifies the general concepts. Also provides a framework for evaluating the quality of all types of software product and states the requirements for methods of software product measurement and evaluation. Is intended for use by developers, acquirers and independent evaluators of software products. Am 1(National), 2007-02-16

SANS 14598-2:2003 / ISO/IEC 14598-2:2000 (2009-08-28) Software engineering - Product evaluation Part 2: Planning and management Ed 1.00 A4 18p EN Gr 8 PDF 18p EN 35.080

Provides requirements, recommendations and guidelines for a supporting function which is responsible for the management of software product evaluation and for technologies necessary for software product evaluation.

SANS 14598-3:2003 / ISO/IEC 14598-3:2000 (2009-08-28)

Software engineering - Product evaluation Part 3: Process for developers	i
Ed 1.00 A4 22p EN	Gr 9
PDF 22p EN	35.080

Provides requirements and recommendations for the practical implementation of software product evaluation when the evaluation is conducted in parallel with the development and carried out by the developer. The process defines the activities needed to analyse evaluation requirements, to specify, design, and perform evaluation actions and to conclude the evaluation of any kind of software product.

SANS 14598-4:2003 / ISO/IEC 14598-4:1999 (2009-08-28)

Software	e engineering - Pr	oduct evaluation Part 4: Process for acquirers	
Ed 1.00	A4 40p EN		Gr 11
	PDF 40p EN		35.080

Contains requirements, recommendations and guidelines for the systematic measurement, assessment and evaluation of software product quality during acquisition of "off-the-shelf" software products, custom software products or modifications to existing software products. It is intended for, but not limited to, project managers, system engineers, development and maintenance software engineering staff and end users who plan to acquire software products, and also suppliers who provide such products.

SANS 14598-5:1998 / ISO/IEC 14598-5:1998 (2007-01-26)

(SABS ISO/IEC 14598-5)

Information technology - Software product evaluation Part 5: Process for evaluators

Ed	1.00	A4 43p EN	Gr 13
		PDF 43p EN	35.080

Provides requirements and recommendations for the practical implementation of software product evaluation when several parties need to understand, accept and trust evaluation results. Defines the activities needed to analyse evaluation requirements, to specify, design and perform evaluation actions and to conclude the evaluation of any kind of software product. The evaluation process may be used to evaluate already existing products, provided the needed product components are available, or to evaluate products in development. May be used by testing laboratory evaluators, software suppliers, software acquirers, software users when evaluating products and certification bodies. Am 1(National), 2007-01-26

SANS 14598-6:2003 / ISO/IEC 14598-6:2001 (2009-08-28)

Software engineering - Product evaluation Part 6: Documentation of evaluation modules

Ed 1.00	A4 37p EN	Gr	11
	PDF 37p EN	35.0	80

Defines the structure and content of the documentation to be used to describe an Evaluation Module. It is intended to be used by experts in evaluation technology such as testing laboratories, research institutes and others when producing new evaluation modules.

SANS 14644-1:1999 / ISO 14644-1:1999 (2007-02-02)

(SABS ISO 14644-1)

Cleanrooms and associated controlled environments Part 1: Classification of air cleanliness

Ed 1.00 A4 24p EN Gr 11 PDF 24p EN 13.040.35

Covers the classification of air cleanliness in cleanrooms and associated controlled environments exclusively in terms of concentration of airborne particles.

Am 1(National), 2007-02-02

Cleanrooms and associated controlled environments Part 2: Specifications for testing and monitoring to prove continued

Ed 1.00 A4 13p EN Gr 7 PDF 13p EN 13.040.35 Specifies requirements for periodic testing of a cleanroom or clean zone to prove its continued compliance with SANS 14644-1/ISO 14644-1 for the designated classification of airborne particulate cleanliness. SANS 14644-4:2003 / ISO 14644-4:2001

Cleanrooms and associated controlled environments Part 4: Design, construction and start-up Ed 1.00 A4 57p EN Gr 13 PDF 57p EN 13.040.35

Specifies requirements for the design and construction of cleanroom installations but does not prescribe specific technological or contractual means to meet these requirements

SANS 14683:2010 / ISO 14683:2007

SANS 14644-2:2003 / ISO 14644-2:2000

compliance with ISO 14644-1

Thermal bridges in building construction - Linear thermal transmittance - Simplified methods and default values Ed 1.00 A4 30p EN Gr 10

PDF 30p EN

Specifies requirements relating to thermal bridge catalogues and manual calculation methods and deals with simplified methods for determining heat flows through linear thermal bridges which occur at junctions of building elements.

SANS 14692-1:2009 / ISO 14692-1:2002

Petroleum and natural gas industries - Glass-reinforced plastics (GRP) piping Part 1: Vocabulary, symbols, applications and materials

Ed 1.00 A4 33p EN PDF 33p EN

Gives the terms and symbols used in the specification, manufacture, testing and installation of glass-reinforced plastics (GRP) piping installations associated with offshore applications on both fixed and floating topsides facilities for oil and gas industry production and processing. It also describes the philosophy and provides guidance on the range of suitable applications for such piping, and defines limitations to the materials of construction for these applications.

SANS 14692-2:2009 / ISO 14692-2:2002

Petroleum and natural gas industries - Glass-reinforced plastics (GRP) piping Part 2: Qualification and manufacture

Ed 1.00 A4 93p EN PDF 93p EN

Gives requirements for the qualification and manufacture of GRP piping and fittings in order to enable the purchase of GRP components with known and consistent properties from any source. It is applicable to qualification procedures, preferred dimensions, quality programmes, component marking and documentation.

Am 1(International), 2009-05-22

SANS 14692-3:2009 / ISO 14692-3:2002

Petroleum and natural gas industries - Glass-reinforced plastics (GRP) piping Part 3: System design

Ed 1.00 A4 86p EN PDF 86p EN

Gives guidelines for the design of GRP piping systems. The requirements and recommendations apply to layout dimensions, hydraulic design, structural design, detailing, fire endurance, spread of fire and emissions and control of electrostatic discharge. Am 1(International), 2009-05-22

SANS 14692-4:2009 / ISO 14692-4:2002

Petroleum and natural gas industries - Glass-reinforced plastics (GRP) piping Part 4: Fabrication, installation and operation

Ed 1.00 A4 59p EN

PDF 59p EN

Gives requirements and recommendations for the fabrication, installation and operation of GRP piping systems for use in oil and natural gas industry processing and utility service applications. The recommendations apply to delivery, inspection, handling, storage, installation, system pressure testing, maintenance, repair and decommissioning.

Am 1(International), 2009-05-22

SANS 14713:1999 / ISO 14713:1999 (2008-03-07)

(SABS ISO 14713)

Protection against corrosion of iron and steel in structures - Zinc and aluminium coatings - Guidelines

Ed 1.00 A4 45p EN PDF 45p EN

Constitutes guidelines containing general recommendations on the corrosion protection of iron and steel structures, including connections, by zinc or aluminium coatings. Particular reference is made to hot dip coating and thermal spraying on hot-rolled steel or cold-formed steel but these recommendations also apply to other zinc coatings. Initial protection is covered in relation to available standard processes, design considerations and environments of use. Also considers the influence of the initial choice of aluminium or zinc coating in relation to the subsequent application of paint or powder coatings.

Am 1(National), 2008-03-07

Gr 15

Gr 11

23.040.01; 75.200; 83.140.30

23.040.01; 75.200; 83.140.30

01.040.23; 01.040.75; 23.040.01; 75.200; 83.140.30

Gr 13

Gr 15

23.040.01; 75.200; 83.140.30

Gr 14

25.220.40

91.120.10

Zinc coa	atings - Guidelines and recommendations for the protection against one of the protection against one of the sign and corrosion resistance	corrosion of iron and steel in structures Part 1: General
Ed 1.00	A4 22p EN	Gr 9
	PDF 22p EN	25.220.40
Provides corrosior environm	guidelines and recommendations regarding the general principles of desing protection and the level of corrosion resistance provided by zinc coatings nents.	gn which are appropriate for articles to be zinc coated for s applied to iron or steel articles, exposed to a variety of
SANS 14	4713-2:2011 / ISO 14713-2:2009	
Zinc coa galvaniz	atings - Guidelines and recommendations for the protection against or ring	corrosion of iron and steel in structures Part 2: Hot dip
Ed 1.00	A4 23p EN	Gr 10
	PDF 23p EN	25.220.40
Provides corrosior	guidelines and recommendations regarding the general principles of design protection.	gn which are appropriate for articles to be hot dip galvanized for
SANS 14	4713-3:2011 / ISO 14713-3:2009	
Zinc coa Sherard	atings - Guidelines and recommendations for the protection against o izing	corrosion of iron and steel in structures Part 3:
Ed 1.00	A4 15p EN	Gr 8
	PDF 15p EN	25.220.40
Provides protectio	guidelines and recommendations regarding the general principles of desin.	gn that are appropriate for articles to be sheradized for corrosion
SANS 14	1756·2003 / ISO/IEC 14756·1999 (2009-08-28)	
Information	tion technology - Measurement and rating of performance of comput	er-based software systems
Ed 1.00	A4 55p EN	Gr 12
	PDF 55p EN	35.080
Defines	how user oriented performance of computer-based sofware systems(CBS	S)may be measured and rated.
SANS 14	1759:2003 / ISO/IEC TR 14759:1999 (2009-08-28)	
Sonward	e engineering - Mock up and prototype - A categorization of software	mock up and prototype models and their use
Ed 1.00	A4 18p EN PDE 18p EN	Gr 8
• • • •		
Applies t identifyir	o any project which uses evolutionary development. It sets out the concep ig and describing the various deliveries which result.	ts associated with the production of mock ups and prototypes by
SANS 14 Software	1764:2009 / ISO/IEC 14764:2006 e Engineering - Software Life Cycle Processes - Maintenance	
Ed 2.00	A4 55p EN	Gr 13
	PDF 55p EN	35.080
Describe	s in greater detail management of the Maintenance Process described in	ISO/IEC 12207, including Amendments. It also establishes

Describes in greater detail management of the Maintenance Process described in ISO/IEC 12207, including Amendments. It also establishes definitions for the various types of maintenance. It also provides guidance that applies to planning, execution and control, review and evaluation, and closure of the Maintenance Process. It includes maintenance for multiple software products with the same maintenance resources. It provides the framework within which generic and specific software maintenance plans may be executed, evaluated, and tailored to the maintenance scope and magnitude of given software products. It provides the framework, precise terminology and processes to allow the consistent application of technology (tools, techniques and methods) to software maintenance.

SANS 14788:2007 / ISO 14788:2005 (SABS ISO 14788) Continuous hot-dip zinc-5 % aluminium alloy coated steel sheet Ed 2.00 A4 20p EN Gr 9 PDF 20p EN 77.140.50

Specifies the characteristics of various steel sheet qualities coated by a continuous hot-dip zinc-5 % aluminium alloy coating process.

SANS 14798:2009 / ISO 14798:2009

SANS 14713-1:2011 / ISO 14713-1:2009

Lifts (elevators), escalators and moving walks - Risk assessment and reduction methodology		
Ed 3.00	A4 45p EN	Gr 12
	PDF 45p EN	91.140.90

Establishes general principles and specific procedures for assessing risk. Provides a process for making decisions relevant to the safety of lifts during the design, construction, installation and servicing of lifts, lift components and systems, development of generic procedures for the use, operation, testing, compliance verification and servicing of lifts, and development of technical specifications and standards affecting the safety of lifts.

Gr 16

35.240.60

Transport information and control systems - Requirements for an ITS/TICS central Data Registry and ITS/TICS Data Dictionaries

Specifies the framework, formats, and procedures used to define information exchanges within the Intelligent Transport System/Transport Information and Control Systems (ITS/TICS) sector. Defines the content of the ITS/TICS central Data Registry and Data Dictionaries, the

for us in aft of communication Ed 1.00 A4 118p EN Gr 16 PDF 118p EN 03.220.20; 35.240.60 Specifies the application interface in the context of Electronic Fee Collection (EFC) systems using the Dedicated Short-Range communication (DSRC). The EFC application interface is the EFC application process interface to the DSRC Application Layer. This is an interface standard, adhering to the open systems interconnection (OSI) philosophy. Provides security-specific functionality as place holders (data and functions) to Road transport and traffic telematics - Electronic fee collection - Test procedures for user and fixed equipment Part 1: Description of test procedures

Gr 15 PDF 95p EN 35.240.60: 43.040.15

Specifies the test procedures of EFC road-side equipment (RSE) and on-board equipment (OBE) with regard to the conformance to standards and requirements for type approval and acceptance testing which is specifically within the realm of EFC application. Is restricted to systems operating within the radio emission, EMC regulations, traffic and other regulations of the countries in which they are operated.

SANS 14907-2:2007 / ISO/TS 14907-2:2006

Road transport and traffic telematics - Electronic fee collection - Test procedures for user and fixed equipment Part 2: Conformance test for the onboard unit application interface

Ed 1.00	A4 99p EN PDF 99p EN		

Describes tests that verify OBU conformance of implementations of functions and data structures, as defined in the implementation conformance statement based on ISO 14906, for EFC applications.

SANS 14817:2007 / ISO 14817:2002

registration process to enter data concepts into the Data Registry.

PDF 101p EN

Ed 1.00 A4 101p EN

SANS 14888-1:2009 / ISO/IEC 14888-1:2008 Information technology - Security techniques - Digit Ed 2.00 A4 18p EN	al signatures with appendix Part 1: General Gr 8
PDF 18p EN	35.040
Specifies several digital signature mechanisms with app digital signatures with appendix, definitions and symbols	pendix for messages of arbitrary length.Contains general principles and requirements s, which are used in all parts of ISO/IEC 14888.
SANS 14888-2:2009 / ISO/IEC 14888-2:2008	
Information technology - Security techniques - Digit	al signatures with appendix Part 2: Integer factorization based mechanisms
Ed 2.00 A4 73p EN	Gr 14
PDF 73p EN	35.040
Specifies the digital signature with appendix, as no part signature and the whole message. Specifies digital sign use.	of the message is recovered from the signature, the signed message consists of the atures with appendix whose security is based on the difficulty of factoring the module
SANS 14888-3:2007 / ISO/IEC 14888-3:2006 (2011-10- Information technology - Security techniques - Digit	-28) al signatures with appendix Part 3: Discrete logarithm based mechanisms
Ed 2.00 A4 77p EN	Gr 14
PDF 77p EN	35.040
Defines the digital signature mechanisms with appendix description of a digital signature with appendix mechanis	whose security is based on the discrete logarithm problem. Also provides a general sm and a variety of mechanisms that provide digital signatures with appendix.
SANS 14895:2008 / ISO 14895:2000	
	Cr 7
PDF 11p EN	47.080
Specifies the design and installation of permanently inst hull length up to 24 m. Does not cover cooking applianc	alled galley stoves using fuels which are liquids at atmospheric pressure on small cr es designed or intended solely as portable self-contained camping stoves.
SANS 14906:2009 / ISO 14906:2004 Road transport and traffic telematics - Electronic fee	e collection - Application interface definition for dedicated short-range

enable the implementation of secure EFC transactions. SANS 14907-1:2007 / ISO/TS 14907-1:2005

Ed 1.00 A4 95p EN

35.240.60; 43.040.15

Gr 15

SANS 14945:2009 / ISO 14945:2004 Small craft - Builder's plate

Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	47.080
Establishes requirements for the uniform disp	lay of information to be exhibited on the builder's plate of small craft with a bull length I H of up to 24

Establishes requirements for the uniform display of information to be exhibited on the builder's plate of small craft with a hull length LH of up to 24 m.

SANS 14946:2008 / ISO 14946:2001 Small craft - Maximum load capacit

Sinan crait - Maximum load capacity		
Ed 1.00	A4 8p EN	Gr 6
	PDF 8p EN	47.080

Lists items to be included in the maximum load of small craft without exceeding the limits for stability, freeboard, flotation and crew. Sets requirements for seating of crew members.

SANS 14969:2006 / ISO/TR 14969:2004 (2013-03-01)

Medical devices - Quality management systems - Guidance on the application of ISO 13485:2003

Ed 1.00	A4 83p EN	Gr 15
	PDF 83p EN	03.120.10; 11.040.01

Provides guidance for the application of the requirements for quality management systems contained in ISO 13485 (published in South Africa as an identical adoption under the designation SANS 13485). It does not add to, or otherwise change, the requirements of ISO 13485, and does not include requirements to be used as the basis of regulatory inspection or certification assessment activities. It can be used to better understand the requirements of ISO 13485 and to illustrate some of the variety of methods and approaches available for meeting the requirements of ISO 13485.

SANS 14971:2008 / ISO 14971:2007

Medical devices - Application of risk management to medical devices

Ed 2.00 A4 89p EN PDF 89p EN

Specifies a process for a manufacturer to identify the hazards associated with medical devices, including in vitro diagnostic (IVD) medical devices, to estimate and evaluate the associated risks, to control these risks, and to monitor the effectiveness of the controls. The requirements of this standard are applicable to all stages of the life-cycle of a medical device. It does not apply to clinical decision making, neither does it specify acceptable risk levels. Although risk management can be an integral part of a quality management system, it does not require that the manufacturer have a quality management system in place.

Gr 15

11.040.01; 11.100.20

SANS 15005:2007 / ISO 15005:2002 (2013-03-15)

Road vehicles - Ergonomic aspects of transport information and control systems - Dialogue management principles and compliance procedures

 Ed 1.00
 A4 21p EN
 Gr 9

 PDF 21p EN
 13.180; 43.040.15

Presents ergonomic principles for the design of the dialogues that take place between the driver of a road vehicle and the vehicle's transport information and control systems (TICS) while the vehicle is in motion. Specifies compliance verification conditions for the requirements related to these principles.

SANS 15006:2007 / ISO 15006:2004

Road vehicles - Ergonomic aspects of transport information and control systems - Specifications and compliance procedures for invehicle auditory presentation

d 1.00 A4 18p EN	Gr 8
PDF 18p EN	13.180; 35.240.60; 43.040.15

Establishes ergonomic specifications for the presentation of auditory information related to transport information and control systems (TICS) through speech or sounds. Is applicable only to the use of auditory displays when the vehicle is in motion. Presents a set of requirements and recommendations for in-vehicle auditory messages from TICS, and provides message characteristics and functional factors for maximizing message intelligibility and utility while helping prevent auditory or mental overload.

SANS 15008:2007 / ISO 15008:2003

Road vehicles - Ergonomic aspects of transport information and control systems - Specifications and compliance procedures for invehicle visual presentation

Ed 1.00 A4 32p EN PDF 32p EN

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Gr 11

13.180; 43.040.15

Gives minimum specifications for the image quality and legibility of displays containing dynamic (changeable) visual information presented to the driver of a road vehicle by on-board transport information and control systems (TICSs) used while the vehicle is in motion. Intended to be independent of display technologies, while test methods and measurements for assessing compliance with them have been included where necessary.

Gr 9 35.080

SANS 15026:1998 / ISO/IEC 15026:1998 (2007-01-26) (SABS ISO/IEC 15026)

Information technology - System and software integrity levels

			••	•
Ed	1.00	A4 18p EN		
		PDF 18p EN	l	

Introduces the concepts of software integrity levels and software integrity requirements. Defines the concepts associated with integrity levels, defines the processes for determining integrity levels and software integrity requirements, and places requirements on each process. Is intended for use by developers, users, procurers, and assessors of software products or systems containing software for the administrative and technical support of those products and systems.

Am 1(National), 2007-01-26

SANS 15083:2008 / ISO 15083:2003

Small cra	att - Bilge-pumping systems		
Ed 1.00	A4 15p EN	Gr 8	}
	PDF 15p EN	47.08	30

Specifies requirements for pumping or alternative means designed to remove normal accumulations of bilge water for small craft with a hull length of up to 24 m. Does not set requirements for bilge pumps or bilge-pumping systems designed for damage control.

SANS 15084:2008 / ISO 15084:2003

Small cra	aft - Anchoring, mooring and towing - Strong points	
Ed 1.00	A4 12p EN	Gr 7
	PDF 12p EN	47.080

Specifies requirements for strong points for attaching chains, cables and lines for anchoring, mooring and towing small craft. Does not specify the requirement for any strong point from which the craft can tow other vessels. Is applicable to small craft of hull length up to 24 m. Does not define anchor weights or the length of chains and lines.

SANS 15085:2008 / ISO 15085:2003

Small craft - Man-overboard prevention and recovery

Ed 1.00	A4 28p EN	Gr 10
	PDF 28p EN	47.080

Specifies the design as well as the construction and strength requirements for safety devices and arrangements intended to minimize the risk of falling overboard, and requirements to facilitate reboarding. Describes means which can be used individually or combined to achieve these objectives, and applies to small craft of up to 24 m length of hull. Is not applicable to aquatic toys, canoes, kayaks, or other boats with a beam less than 1,1 m, personal watercraft, and inflatable boats with a hull length of less than 8 m.

SANS 15112:2010 / ISO 15112:2007

Natural gas - Energy determination

Ed 1.00	A4 69p EN	Gr 14
	PDF 69p EN	75.060

Provides the means for energy determination of natural gas by measurement or by calculation, and describes the related techniques and measures that are necessary to take. Calculation of thermal energy is based on the separate measurement of the quantity, either by mass or by volume, of gas transferred and its measured or calculated calorific value. It also applies to any gas-measuring station from domestic to very large high-pressure transmission.

SANS 15117-1:2006 / ISO 15117-1:2004

Coal flow properties Part 1: Bin flow		
Ed 1.00	A4 29p EN	Gr 10
	PDF 29p EN	73.040

Sets out methods for the measurement of the flow properties of coal, primarily for the design of bins and chutes. Also provides some guidance on the presentation of these data for analysis and design.

SANS 15127:2005 / ISO 5127:2001 (2011-02-24)

Information and documentation - Vocabulary			
Ed 1.00	A4 145p EN	Gr 17	
	PDF 145p EN	01.040.01	

Facilitates international communication in the field of information and documentation. Presents terms and definitions of selected concepts relevant to the field and identifies relations between the entries.

SANS 15161:2003 / ISO 15161:2001 (2008-09-26)

Guidelines on the application of ISO 9001:2000 for the food and drink industry

Ed 1.00	A4 43p EN	Gr 12
	PDF 43p EN	03.120.10; 67.020

Gives guidance to organizations in applying the requirements of ISO 9001 during the development and implementation of a quality management system in the food and drink industry.

SANS 15188:2009 / ISO 15188:2001 Project management guidelines for terminology standardization	
Ed 1.00 A4 22p EN	Gr 9
PDF 22p EN	01.020; 01.120
Specifies guidelines setting out the phases and procedures to be followed in termi uniformity projects, both inside and outside the framework of international standar terminology standardization in general, and the second dealing with terminology s example).	nology standardization projects, as well as harmonization and dization. It is divided into two sections, the first one dealing with tandardization within international standards bodies (ISO, for
SANS 15189:2009 / ISO 15189:2007	
Medical laboratories - Particular requirements for quality and competence	
Ed 2.00 A4 47p EN	Gr 12
PDF 47p EN	11.100
Specifies requirements for quality and competence particular to medical laboratori management systems and assessing their own competence, and for use by accre medical laboratories.	es. For use by medical laboratories in developing their quality ditation bodies in confirming or recognising the competence of
SANS 15214:1998 / ISO 15214:1998 (2007-02-23) (SABS ISO 15214)	
Microbiology of food and animal feeding stuffs - Horizontal method for the e count technique at 30 $^\circ\!C$	numeration of mesophilic lactic acid bacteria - Colony-
Ed 1.00 A4 13p EN	Gr 8
PDF 13p EN	07.100.30
Specifies a horizontal method for the enumeration of viable mesophilic lactic acid incubation at 30 °C for 3 days.	bacteria by counting the colonies growing in a solid medium after
Air (National), 2007-02-20	
SANS 15223-1:2010 / ISO 15223-1:2007 Medical devices - Symbols to be used with medical device labels, labelling a requirements	nd information to be supplied Part 1: General
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	01.080.20; 11.040.01
Identifies requirements for the development and use of symbols that may be used devices.	to convey information on the safe and effective use of medical
Am 1(International), 2010-12-09	
SANS 15223-2:2010 / ISO 15223-2:2010 Medical devices - Symbols to be used with medical device labels, labelling, a development, selection and validation	and information to be supplied Part 2: Symbol
Ed 1.00 A4 23p EN	Gr 10
PDF 23p EN	01.080.20; 11.040.01
Specifies a process for developing, selecting and validating symbols for inclusion under the designation SANS 15223-1).	in ISO 15223-1 (published in South Africa as an identical adoption
SANS 15237:2004 / ISO 15237:2003 (2010-02-26) Solid mineral fuels - Determination of total mercury content of coal	
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	73.040
Specifies a procedure for the determination of the total mercury content of coal.	
SANS 15238:2004 / ISO 15238:2003 (2010-02-26) Solid mineral fuels - Determination of total cadmium content of coal	
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	73.040
Specifies a procedure for the determination of the total cadmium content of coal. spontaneously ignite. Prior to use with such sample types, users should validate the	This procedure has not been validated with coals that ne method.
SANS 15239:2006 / ISO 15239:2005 (2012-04-05) Solid mineral fuels - Evaluation of the measurement performance of on-line	analysers
Ed 1.00 A4 68p EN	Gr 14
PDF 68p EN	75.160.10

Sets out practices for the evaluation of the measurement performance of all types of on-line analysers for solid mineral fuel. It presents information on the different types of analyser currently available and describes procedures for the evaluation of various aspects of measurement performance, appropriate methods of test and techniques for the statistical assessment of the data collected.

Ed 1.00 A4 57p EN Gr 14 PDF 57p EN 35.080 Provides guidance on the application of ISO/IEC 12207. Elaborates on factors which should be considered when applying ISO/IEC 12207 and does this in the context of the various ways in which ISO/IEC 12207 can be applied. The three fundamental life cycle models are discussed and examples of tailoring are provided. Am 1(National), 2007-01-26 SANS 15288:2008 / ISO/IEC 15288:2008 Systems and software engineering - Systems life cycle processes Ed 2.00 A4 84p EN Gr 15 PDF 84p EN 35.080 Defines a set of processes and associated terminology. These processes can be applied at any level in the hierarchy of a system's structure. Selected sets of these processes can be applied throughout the life cycle for managing and performing the stages of a system's life cycle. This is accomplished through the involvement of all interested parties, with the ultimate goal of achieving customer satisfaction. It also provides processes that support the definition, control and improvement of the life cycle processes used within an organization or a project. Organizations and projects can use these life cycle processes when acquiring and supplying systems. SANS 15289:2007 / ISO/IEC 15289:2006 Systems and software engineering - Content of systems and software life cycle process information products (Documentation) Ed 1.00 A4 60p EN Gr 13 PDF 60p EN 35 080 Defines a set of processes for managing and performing the stages of a systems life cycle. SANS 15403-1:2010 / ISO 15403-1:2006 Natural gas - Natural gas for use as a compressed fuel for vehicles Part 1: Designation of the quality Ed 1.00 A4 31p EN Gr 11 PDF 31p EN 75.060 Provides manufacturers, vehicle operators, fuelling/filling station operators and others involved in the compressed-natural-gas vehicle industry with information on the fuel quality for natural gas vehicles (NGVs) required to develop and operate compressed-natural-gas vehicle equipment successfully SANS 15403-2:2011 / ISO/TR 15403-2:2006 Natural gas - Natural gas for use as a compressed fuel for vehicles Part 2: Specification of the guality Ed 1.00 A4 13p EN Gr 7 PDF 13p EN 75 060 Specifies the quality of compressed natural gas composition. Does not apply to natural gas delivered to a refuelling/filling station. Used to supplement ISO 15403-1 (published in South Africa as an identical adoption under the designation SANS 15403-1). SANS 15408-1:2010 / ISO/IEC 15408-1:2009 Information technology - Security techniques - Evaluation criteria for IT security Part 1: Introduction and general model Ed 3.00 A4 72p EN Gr 0 PDF 72p EN 35.040 Establishes the general concepts and principles of IT security evaluation and specifies the general model of evaluation given by various parts of the standard which in its entirety is meant to be used as the basis for evaluation of security properties of IT products. SANS 15408-2:2010 / ISO/IEC 15408-2:2008 Information technology - Security techniques - Evaluation criteria for IT security Part 2: Security functional components Ed 3.00 A4 239p EN Gr 0 PDF 239p EN 35.040 Defines the required structure and content of security functional components for the purpose of security evaluation. Includes a catalogue of functional components that meets the common security functionality requirements of many IT products. SANS 15408-3:2009 / ISO/IEC 15408-3:2008 Information technology - Security techniques - Evaluation criteria for IT security Part 3: Security assurance components Ed 3.00 A4 184p EN Gr 0

Includes the evaluation assurance levels (EALs) that define a scale for measuring assurance for component TOEs, the composed assurance packages (CAPs) that define a scale for measuring assurance for composed TOEs, the individual assurance components from which the assurance levels and packages are composed, and the criteria for evaluation of PPs and STs.

35.040

NUMERICAL LIST OF STANDARDS

SANS 15271:1998 / ISO/IEC TR 15271:1998 (2007-01-26)

Information technology - Guide for ISO/IEC 12207 (Software Life Cycle Processes)

(SABS ISO/IEC TR 15271)

PDF 184p EN

SANS 15414:2009 / ISO/IEC 15414:2006 Information technology - Open distributed processing - Reference model - Enterprise language

information technology - Open distributed proces	ssing - nelelence model - Enterprise language
Ed 1.00 A4 48p EN	Gr 12

PDF 48p EN		

Provides a language comprising concepts, structures and rules for developing, representing, and reasoning about a specification of an Open Distributed Processing (ODP) system from the enterprise viewpoint as defined in SANS 10746-3:2003.

SANS 15415:2009 / ISO/IEC 15415:2004 (2009-09-11) Information technology - Automatic identification and data capture techniques - Bar code print quality test specification - Twodimensional symbols Ed 1.00 A4 56p EN Gr 13 PDF 56p EN 35.040

Defines methods for evaluating and grading two-dimensional barcode symbol measurements and deriving an overall assessment of symbol quality. Gives information on possible causes of deviation from optimum grades to assist users in taking appropriate corrective action. Cor 1(International), 2009-09-11

SANS 15	416:2005 / ISO/IEC 15416:2000 (2011-01-21)	
Informat symbols	ion technology - Automatic identification and data capture technique	es - Bar code print quality test specification - Linea
Ed 1.00	A4 41p EN	Gr 12
	PDF 41p EN	35.040

Defines the methodology for the measurement of specific attributes of bar code symbols; specifies a method to evaluate these measurements and derive an overall assessment of symbol quality; and establishes possible causes of deviation from optimum grades to assist users in taking appropriate corrective action. Applies to symbologies for which a reference decode algorithm has been defined, and which are intended to be read using linear scanning methods, but its methodology can be partially or wholly applied to other symbologies.

SANS 15417:2008 / ISO/IEC 15417:2007

Information technology - Automatic identification and data capture techniques - Code 128 bar code symbology specification			
Ed 2.00	A4 32p EN	Gr 11	
	PDF 32p EN	35.040	
Specifies	the requirements	o for the bar code symbology known as Code 128. It specifies Code 128 symbology characteristics, data character	

ig algorithms and the parameters to be defined by applications. It specifies the symbology identifier prefi for Code 128 symbols.

	+10.1555 / 100/1E0 15+10.1555 (2007-01-20)	
(SABS IS	O/IEC 15418)	
Informati	on technology - EAN/UCC Application Identifiers and Fact Data Iden	tifiers and Maintenance
Ed 1.00	A4 10p EN	Gr 7
	PDF 10p EN	35.040

Specifies sets of Data and Application Identifiers for the purpose of identifying encoded data and identifies the organisations responsible for their maintenance.

Am 1(National), 2007-01-26

SANS 15420:2005 / ISO/IEC 15420:2000 (2011-01-21)

SANS 15418-1000 / ISO/IEC 15418-1000 /2007-01-26)

Information	n technology - Automatic identification and data capture technique	s - Bar code symbology specification - EAN/UPC
Ed 1.00 A4	4 44p EN	Gr 12
P	DF 44p EN	35.040
Describes that reference	he requirements for the EAN/UPC symbology including data character e decoding algorithm.	encodation, symbol formats, dimensions, test specifications, and

SANS 15421:2005 / ISO/IEC 15421:2000 (2011-01-21)

Information technology - Automatic identification and data capture techniques - Bar code master test specifications Gr 8

Ed 1.00 A4 17p EN PDF 17p EN

Defines the physical and related attributes of a bar code master and quality to assist in its use. Covers all forms of bar code master, irrespective of the mode or origination of the initial image, intended for reproduction by conventional printing processes.

35.040

SANS 15423:2005 / ISO/IEC 15423:2004 (2011-01-21)

Information technology	- Automatic identification and data capture techniques - Bar code scanner and decoder performance testing
Ed 1.00 A4 45p EN	Gr 12

PDF 45p EN	35.180
Specifies the test equipment and procedures	o be used to determine the performance of bar code scanning and decoding equipment. Deals with
bar code scanning and decoding equipment b	oth as integrated reading systems and as discrete units. Defines performance of the equipment in a

particular configuration (e.g. a specific model) irrespective of the individual components used.

35.080

Standards South Africa Catalogue 2013 NUM - 573

NUMERICAL LIST OF STANDARDS

SANS 15424:2009 / ISO/IEC 15424:2008

Information technology - Automatic identification and data capture techniques - Data Carrier Identifiers (including Symbology Identifiers) Ed 2.00 A4 23p EN Gr 10

Ed 2.00 A4 23p EN PDF 23p EN

Applicable to automatic identification device communication conventions and standardizes the reporting of data carriers from bar code readers and other automatic identification equipment. Specifies a preamble message generated by the reader, and interpretable by the receiving system, indicating the bar code symbology or other origin of transmitted data, together with details of certain specified optional processing features that are associated with the data message.

35.040

SANS 15426-1:2005 / ISO/IEC 15426-1:2000 (2011-01-21)

Information technology - Automatic identification and data capture techniques - Bar code verifier conformance specifications Part 1: Linear symbols Ed 1.00 A4 15p EN PDF 15p EN 25 040

PDF 15p EN 35.040 Defines test procedures and minimum accuracy criteria for verifiers using the methodology of ISO/IEC 15416 for linear bar code symbols. Specifies reference calibration standards against which these should be tested. Provides for testing of representative samples of the equipment.

SANS 15426-2:2008 / ISO/IEC 15426-2:2005

Two-dimensional symbols	inques - Bai coue vermei comormance specification Part 2.
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	35.040
Defines test methods and minimum accuracy criteria applicable to verifiers u symbols and two-dimensional matrix symbologies, and specifies reference can for testing of representative samples of the equipment. Cor 1(International), 2008-09-19	sing the methodologies of ISO/IEC 15415 for multi-row bar code alibration standards against which these should be tested. It provides
SANS 15434:2008 / ISO/IEC 15434:2006 Information technology - Automatic identification and data capture tech	niques - Syntax for high-capacity ADC media
Ed 1.00 A4 24p EN	Gr 10
PDF 24p EN	35.040
Defines the manner in which data is transferred to high-capacity automatic data manner in which data is transferred to the recipient's information system. It d capacity ADC media, nor does it specify the application of data structures prostructure is specified by industry conventions.	ata capture (ADC) media from a supplier's information system and the oes not define the internal data storage format for specific high- ovided by a specific data syntax format. The application of the data
SANS 15438:2008 / ISO/IEC 15438:2006	
Information technology - Automatic identification and data capture tech	niques - PDF417 bar code symbology specification
Ed 1.00 A4 111p EN	Gr 16
PDF 111p EN	35.040
Specifies the requirements for the bar code symbology known as PDF417. It encodation, symbol formats, dimensions, error correction rules, reference de	specifies PDF417 symbology characteristics, data character coding algorithm, and a number of application parameters.
SANS 15442:2007 / ISO 15442:2005	

Cranes -	Safety requirements for loader cranes	
Ed 1.00	A4 71p EN	Gr 14
	PDF 71p EN	53.020.20

Provides minimum requirements for design, calculation, examinations and tests of hydraulic powered loader cranes and their mountings on to vehicles or static foundations. Applies to all new loader cranes manufactured one year after its publication. Does not apply to loader cranes used on board ships or floating structures and to articulated boom system cranes which are designed as total integral parts of special equipment such as forwarders.

SANS 15443-1:2006 / ISO/IEC TR 15443-1:2005 (2011-03-11)

Information technology - Security techniques - A framework for IT security assurance Part 1: Overview and framework

Ed 1.00 A4 30p EN PDF 30p EN

Describes the fundamentals of security assurance and its relation to other security concepts. The framework categorizes assurance types and a generic lifecycle model to identify the appropriate assurance types required for the deliverable with respect to the deliverable's lifecycle. It demonstrates managing security assurance throughout the deliverable's lifecycle, requiring assurance decisions to be made by several assurance authorities for the lifecycle stage relevant to their organization (i.e. developer, standards, consumer). This framework accommodates different assurance types to map into any lifecycle approach and not dictate any particular design. Advanced security assurance concepts, such as combining security assurance methods, are addressed briefly as they are to be addressed in later parts of ISO/IEC TR 15443.

Gr 10 35.040

35.240.15 cards. All test methods given herein, unless explicitly stated otherwise, apply to finished cards. SANS 15459-1:2008 / ISO/IEC 15459-1:2006 Information technology - Unique identifiers Part 1: Unique identifiers for transport units Ed 1.00 A4 13p EN Gr 7 PDF 13p EN 35 040 one or more items in the load being held or transported as part of that load, are defined and supported by an example. SANS 15459-2:2008 / ISO/IEC 15459-2:2006 1

ANS 15457-2-2009 / ISO/IEC 15457-2-2007

nq into the card-issuing equipment and at the point of issue to the public.

SANS 15457-3:2009 / ISO/IEC 15457-3:2008

SANS 13437-3.2003/	130/ILC 13437-3.2000
Identification cards -	Thin flexible cards Part 3: Test methods

dentinca	ation cards - min hexible cards Part 5. Test methods	
Ed 2.00	A4 46p EN	Gr 12
	PDF 46p EN	35.240.

Specifies the test methods and procedures required to carry out measurements of the magnetic stripe and encoding characteristics of thin flexible

Specifies a unique, non-significant, string of characters for the identification of transport units. The character string is intended to be represented in a bar code label or other AIDC media attached to the item to meet item management needs. To address management needs different classes of items are recognized in the various parts of ISO/IEC 15459, which allows different requirements to be met by the unique identifiers associated with each class. The rules for the unique identifier for transport units, to identify physical logistical transfers, with the identity relevant for the duration of

nformation technology - Unique identifiers Part 2: Registration procedures				
Ed 1.00 A4 17p EN	Gr 8			
PDF 17p EN	35.040			

Specifies the procedural requirements to maintain a non-significant, unique identifier for item management applications, and outlines the obligations of the Registration Authority and Issuing Agencies.

SANS 15459-3:2009 / ISO/IEC 15459-3:2006 Information technology - Unique identifiers Part 3: Common rules for unique identifiers Ed 1.00 A4 8p EN Gr 6 PDF 8p EN 35.040

Specifies the common rules that apply for unique identifiers for item management required to ensure full compatibility across classes of unique identifiers.

> Standards South Africa Catalogue 2013 NUM - 574

SANS 15443-2:2006 / ISO/IEC TR 15443-2:2005 (2011-03-11) Information technology - Security techniques - A framework for IT security assurance Part 2: Assurance methods

Ed 1.00 A4 73p EN PDF 73p EN

Provides a collection of assurance methods including those not unique to ICT security as long as they contribute to overall ICT security. It gives an overview as to their aim and describes their features, reference and standardization aspects. Each item of the collection presented in this part is classified in an overview fashion using the basic assurance concepts and terms developed in SANS 15443-1. Using this categorization, this part guides the ICT professional in the selection, and possible combination, of the assurance method(s) suitable for a given ICT security product, system, or service and its specific environment.

SANS 15443-3:2009 / ISO/IEC TR 15443-3:2007

Information technology - Security techniques - A framework for IT security assurance Part 3: Analysis of assurance methods Ed 1.00 A4 70p EN Gr 14 PDF 70p EN 35.040

Provide general guidance to an assurance authority in the choice of the appropriate type of international communications technology (ICT) assurance methods and to lay the framework for the analysis of specific assurance methods for specific environments

SANS 15446:2009 / ISO/IEC TR 15446:2009

Informat	ion technology - Security techniques	s - Guide for the production of Protection Profiles and Security Targets
Ed 2.00	A4 90p EN	Gr 0
	PDF 90p EN	35.040

Provides guidance relating to the construction of Protection Profiles (PPs) and Security Targets (STs) that are intended to be compliant with the third edition of ISO/IEC 15408. Applies to PPs and STs compliant with Common Criteria version 3.1.

SANS 15457-1-2009 / ISO/IEC 15457-1-2008

Identifica		
Ed 2.00	A4 39p EN	Gr 11
	PDF 39p EN	35.240.15

Specifies the physical characteristics of thin flexible cards at two points in the card life cycle, namely, at the point of loading into the card issuing equipment and at the point of issue to the public.

SANS 15457-2:2009 / ISO/IEC 15457-2:2007
Identification cards - Thin flexible cards Part 2: Magnetic recording technique

Identification cards - Thin flexible cards Part 2: Magnetic recording te	echnique
Ed 2.00 A4 24p EN	Gr 10
PDF 24p EN	35,240,15

PI	DF 24p EN				35.240.1	5		
Specifies the	e magnetic stripe a	ind encoding	characteristics	of thin flexible	cards at two points	s in the card's life cycle, na	amely at the point of	loadi

35.040

Gr 14

NUMERICAL LIST OF STANDARDS

SANS 15459-4:2009 / ISO/IEC 15459-4:2008

Information technology - Unique identifiers Part 4: Individual items

Ed 1.00 A4 11p EN PDF 11p EN

Specifies a unique, non-significant string of characters for the unique identifier for individual items. The character string is intended to be represented in a bar code label or other AIDC media attached to the item to meet supply chain needs. To address management needs, different classes of items are recognized in the various parts of SANS 15459, which allows different requirements to be met by the unique identifiers associated with each class.

SANS 15459-5:2009 / ISO/IEC 15459-5:2007

Information technology - Unique identifiers Part 5: Unique identifier for returnable transport items (RTIs)

Ed 1.00 A4 11p EN PDF 11p EN

Specifies a unique, non-significant string of characters for the unique identification of returnable transport items (RTIs), of which the character string is intended to be represented in a radio frequency identification (RFID) transponder, bar code label or other automatic identification and data capture (AIDC) media attached to the item to meet supply chain management needs.

SANS 15459-6:2009 / ISO/IEC 15459-6:2007

Information technology - Unique identifiers Part 6: Unique identifier for product groupings Gr 7

⊑u 1.00	A4 ISP EN		
	PDF 13n EN		

Specifies a unique, non-significant string of characters for the unique identifier of product groupings. The character string is intended to be represented in linear bar code and two-dimensional symbols, radio frequency identification (RFID) transponder or other automatic identification and data capture (AIDC) media attached to the product and/or material to meet the management needs in a batch or lot unit.

SANS 15489-1:2004 / ISO 15489-1:2001 (2010-12-09)

Information and	documentation - Records management Part 1: General

Ed 1.00	A4 25p EN PDF 25p EN				Gr 10 01.140.20	

Provides guidance on managing records of originating organizations, public or private, for internal and external clients. Recommends that all elements outlined are implemented to ensure that adequate records are created, captured and managed.

SANS 15489-2:2004 / ISO/TR 15489-2:2001 (2010-12-09)

Information and documentation - Records management Part 2: Guidelines	
Ed 1.00 A4 46p EN	Gr 12
PDF 46p EN	01.140.20
Provides an implementation quide to SANS 15489-1 for use by record managem	ent professio

ionals and those charged with managing records in their organizations. Supplies one methodology that will facilitate the implementation of SANS 15489-1 in all organizations that have a need to manage their records. Gives an overview of processes and factors to consider in organizations wishing to comply with SANS 15489-1.

SANS 15494:2005 / ISO 15494:2003 (2010-11-26)

Plastics piping systems for industrial applications - Polybutene (PB), polyethylene (PE) and polypropylene (PP) - Specifications for components and the system - Metric series

Ed 1.00	A4 96p EN	Gr 15	
	PDF 96p EN	23.040).01

Specifies the characteristics and requirements for components such as pipes, fittings and valves made from one of the following materials: polybutene (PB), polyethylene (PE), and polypropylene (PP), intended to be used for thermoplastics piping systems in above-ground industrial applications.

SANS 15500-1:2010 / ISO 15500-1:2000

Road vehicles - Compressed natural gas (CNG) fuel system components Part 1: General requirements and definitions

Ed 1.00 A4 10p EN Gr 6 PDF 10p EN 43.060.40 Specifies general requirements and definitions of compressed natural gas fuel system components, intended for use on the types of motor vehicles

as defined in ISO 3833. Also provides general design principles, and specifies requirements for instructions and marking. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

Am 1(International), 2010-09-23

SANS 15	500-2:2010 / ISO 15500-2:2001	
Road vehicles - Compressed natural gas (CNG) fuel system components Part 2: Performance and general test methods		
Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	43.060.40
0		and the second

Specifies performance and general test methods for compressed natural gas fuel system components intended for use on the types of motor vehicles defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Not applicable to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

Gr 7

35.040

35.040; 35.240.60

Gr 7 35.040

SANS 15500-3:2010 / ISO 15500-3:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 3: Check valve

Ed 1.00 A4 9p EN

PDF 9p EN

Specifies tests and requirements for the check valve, a compressed natural gas fuel system component intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Applies to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-4:2010 / ISO 15500-4:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 4: Manual valve

Ed 1.00 A4 9p EN PDF 9p EN

Specifies tests and requirements for the manual valve, a compressed natural gas fuel system component intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-5:2010 / ISO 15500-5:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 5: Manual cylinder valve

Ed 1.00 A4 9p EN PDF 9p EN

Specifies tests and requirements for the manual cylinder valve, a compressed natural gas fuel system component intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-6:2010 / ISO 15500-6:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 6: Automatic valve

Ed 1.00 A	A4 9p EN	Gr 6
F	PDF 9p EN	43.060.40

Specifies tests and requirements for the automatic valve, a compressed natural gas fuel system component intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-7:2010 / ISO 15500-7:2002

Road vehicles - Compressed natural gas (CNG) fuel system components Part 7: Gas injector

Ed 1.00	A4 10p EN	Gr 6
	PDF 10p EN	43.060.40
Snacifias	tests and requirements for the gas injector, a compressed natural gas fue	al system component intended f

Sc d for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to injectors intended for high-pressure injection to the combustion chamber, or to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-8:2010 / ISO 15500-8:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 8: Pressure indicator

Ed 1.00 A4 9p EN Gr 6 PDF 9p EN 43 060 40

Specifies tests and requirements for the pressure indicator, a compressed natural gas fuel system component intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-9:2010 / ISO 15500-9:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 9: Pressure regulator

Ed 1.00 A4 10p EN PDF 10p EN

Specifies tests and requirements for the pressure regulator, a compressed natural gas fuel system component intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

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SANS 15500-10:2010 / ISO 15500-10:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 10: Gas-flow adjuster

Ed 1.00 A4 9p EN

PDF 9p EN

Specifies tests and requirements for the gas-flow adjuster, a compressed natural gas fuel system component intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-11:2010 / ISO 15500-11:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 11: Gas/air mixer

Ed 1.00 A4 8p EN

PDF 8p EN

Specifies tests and requirements for the gas/air mixer, a compressed natural gas fuel system component intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-12:2010 / ISO 15500-12:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 12: Pressure relief valve (PRV)

Ed 1.00 A4 9p EN PDF 9p EN

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Specifies tests and requirements for the pressure relief valve (PRV), a compressed natural gas fuel system component intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-13:2010 / ISO 15500-13:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 13: Pressure relief device (PRD)

Ed 1.00	A4 18p EN	Gr 8
	PDF 18p EN	43.060.40

Specifies tests and requirements for the pressure relief device (PRD), a compressed natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. Is applicable to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dualfuel applications). It is not applicable to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer fuel containers, stationary gas engines, container mounting hardware, electronic fuel management and refuelling receptacles.

SANS 15500-14:2010 / ISO 15500-14:2002

Road vehicles - Compressed natural gas (CNG) fuel system components Part 14: Excess flow valve

Ed 1.00 A4 9p EN PDF 9p EN

Specifies tests and requirements for the excess flow valve, a compressed natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. Is applicable to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Not applicable to, liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management and refuelling receptacles.

SANS 15500-15:2010 / ISO 15500-15:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 15: Gas-tight housing and ventilation hose

Ed 1.00 A4 8p EN PDF 8p FN

Specifies tests and requirements for the gas-tight housing and ventilation hose, compressed natural gas fuel system components intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dualfuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-17:2010 / ISO 15500-17:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 17: Flexible fuel line

Ed 1.00 A4 11p EN PDF 11p EN

Specifies tests and requirements for the flexible fuel line, a compressed natural gas fuel system component in accordance with SAE J 517 (100R-8 hose) or JIS B 8362 intended for use on the types ofmotor vehicles defined in ISO 3833 Is applicable to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuelor dual-fuel applications). Not applicable to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management and refuelling receptacles.

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SANS 15500-18:2010 / ISO 15500-18:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 18: Filter

Ed 1.00 A4 8p EN

PDF 8p EN

Specifies tests and requirements for the filter (standalone compressed natural gas fuel system component) intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-19:2010 / ISO 15500-19:2001

Road vehicles - Compressed natural gas (CNG) fuel system components Part 19: Fittings

Ed 1.00 A4 9p EN PDF 9p EN

Specifies tests and requirements for fittings, compressed natural gas fuel system components intended for use on the types of motor vehicle defined in ISO 3833. Applies to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15500-20:2010 / ISO 15500-20:2007

Road vehicles - Compressed natural gas (CNG) fuel system components Par	t 20: Rigid fuel line in material other than stainless steel
Ed 1.00 A4 9p EN	Gr 6

PDF 9p EN

Provides specific requirements and tests applicable to the rigid fuel line in carbon steel, intended for use on the types of motor vehicle, as defined in ISO 3833, with a service pressure for natural gas as a fuel of 20 MPa (200 bar) settled at 15 °C. Applies to vehicles using natural gas which comply with requirements established in ISO 15403 (mono-fuel, bi-fuel or dual-fuel applications). Does not apply to liquefied natural gas (LNG) fuel system components located upstream of, and including, the vaporizer, fuel containers, stationary gas engines, container mounting hardware, electronic fuel management, and refuelling receptacles.

SANS 15501-1:2010 / ISO 15501-1:2001

Road vehicles - Compressed natural gas (CNG) fuel systems Part 1: Safety requirements

Ed 1.00	A4 14p EN	Gr 7
	PDF 14p EN	43.060.40

Specifies the minimum safety requirements applicable for the functionality of CNG on-board fuel systems intended for use on the types of motor vehicle as defined in ISO 3833. Applies to vehicles using compressed natural gas in accordance with ISO 15403, including bi-fuel, originalproduction and converted vehicles.

SANS 15501-2:2010 / ISO 15501-2:2001

Road vehicles - Compressed natural gas (CNG) fuel systems Part 2: Test methods

Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	43.060.40

Specifies the test methods for checking the minimum safety requirements. Applies to the functionality of the fuel systems designed to operate on compressed natural gas of motor vehicles as defined in ISO 3833.

SANS 15504-1:2005 / ISO/IEC 15504-1:2004

(SABS ISO/IEC TR 15504-1)

Information technology - Process assessment Part 1: Concepts and vocabulary		
Ed 2.00	A4 26p EN	Gr 10
	PDF 26p EN	35.080

Provides overall information on the concepts of process assessment and its use in the two contexts of process improvement and process capability determination. Provides guidance on selection and use of the suite of standards.

SANS 15504-2:2004 / ISO/IEC 15504-2:2003 (2009-02-13)

nformation technology - Process assessment Part 2: Performing an assessment			
Ed 2.00	A4 23p EN	Gr 10)
	PDF 23p EN	35.080	С

Defines the requirements for performing process assessment as a basis for use in process improvement and capability determination. It defines the minimum set of requirements for performing an assessment that will ensure assessment results are objective, impartial, consistent, repeatable and representative of the assessed processes. Results of conformant process assessments may be compared when the scopes of the assessments are considered to be similar. The requirements for process assessment defined in this part of SANS 15504 form a structure which facilitates self-assessment; provides a basis for use in process improvement and capability determination; takes into account the context in which the assessed process is implemented; produces a process rating; addresses the ability of the process to achieve its purpose; is applicable across all application domains and sizes of organization; and may provide an objective benchmark between organizations.

Cor 1(International), 2004-09-10

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SANS 15504-3:2004 / ISO/IEC 15504-3:2004 (2009-02-13)

Information technology - Process assessment Part 3: Guidance on performing an assessment

Ed 2.00 A4 63p EN PDF 63p EN

Gr 14

35.080

Provides guidance on meeting the minimum set of requirements for performing an assessment contained in SANS 15504-2. It provides an overview of process assessment and interprets the requirements through the provision of guidance on performing an assessment, the measurement framework for process capability, process reference models and process assessment models, selecting and using assessment tools, competency of assessors and verification of conformity. In this document, the text inside a box is quoted from the normative SANS 15504-2 and the text following a box is guidance about the normative text. If the quoted text includes a clause reference, it is understood that SANS 15504-2 should be referred to.

SANS 15504-4:2004 / ISO/IEC 15504-4:2004 (2009-02-13) Information technology - Process assessment Part 4: Guidance on use for process improvement and process capability determination Ed 2 00 A4 40p EN

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	PDF 40p EN	35.080

Provides guidance on how to utilize a conformant process assessment within a process improvement programme or for process capability determination. Within a process improvement (PI) context, process assessment provides a means of characterizing an organizational unit in terms of the capability of selected processes. Analysis of the output of a conformant process assessment against an organizational unit's business goals identifies strengths, weaknesses and risks related to the processes. This, in turn, can help determine whether the processes are effective in achieving business goals, and provide the drivers for making improvements. Process capability determination (PCD) is concerned with analysing the output of one or more conformant process assessments to identify the strengths, weaknesses and risks involved in undertaking a specific project using the selected processes within a given organizational unit. A process capability determination can provide a fundamental input to supplier selection, in which case it is often termed a "supplier capability determination".

SANS 15504-5:2008 / ISO/IEC 15504-5:2006

Information technology - Process assessment Part 5: An exemplar process assessment model

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	PDF 169p EN			3	35.080
Ed 2.00	A4 169p EN			(Gr 18

Describes an exemplar Process Assessment Model (PAM), conformant with the ISO/IEC 15504-2(SANS 15504-2) requirements for PAM. It provides guidance by way of example, on the nature and structure of PAMs, and on the variety and function of different indicators of process performance and capability. It also provides guidance, through example, on the requirements for conformance of PAMs, and on the approaches for demonstration of conformance. ISO/IEC 15504 provides a framework for the assessment of process capability; and can be used by organisations involved in planning, managing, monitoring, controlling and improving the acquisition, supply, development, operation, evolution and support of products and services. It is also intended for use by assessors in the performance of process assessment.

SANS 15511:2010 / ISO 15511:2009

Information and documentation - International standard identifier for libraries and related organizations (ISIL)

Ed 2.00	A4 12p EN	Gr 7
	PDF 12p EN	35.240.30

Specifies the international standard identifier for libraries and related organizations (ISIL), which comprises a set of standard identifiers used for the unique identification of libraries, archives, museums and related organizations with a minimum impact on already existing systems.

SANS 15513:2008 / ISO 15513:2000

Ed 1.00	A4 36p EN	Gr 1	1
	PDF 36p EN	53.02	20.20

Gives competency requirements applicable for the selection, training, assessment and verification of crane drivers (operators), slingers, signallers and their assessors. Does not cover additional competency requirements needed for special operations, e.g. man-lifting, pile-driving or pile-pulling.

SANS 15528:2003 / ISO 15528:2000 (2008-03-20)		
Paints, varnishes and raw materials for paints and varnishes - Sampling		
Ed 1.00 A4 21p EN	Gr 9	
PDF 21p EN	87.040	

Describes manual methods of sampling paints, varnishes and raw materials for paints and varnishes.

SANS 15584:2008 / ISO 15584:2001

Small craft - Inboard petrol engines - Engine-mounted fuel and electrical components

Ed 1.00	A4 11p EN	Gr 7
	PDF 11p EN	47.020.20; 47.080

Specifies requirements for the design and installation of engine-mounted fuel and electrical system components on inboard petrol engines for minimizing fuel leakage and protecting against ignition of surrounding flammable gases on small craft of hull length up to 24 m. Engines in personal watercraft as defined by ISO 13590 (published in South Africa as an identical adoption under the designation SANS 13590) and outboard engines are exempt from the application of this standard.

SANS 15585:2007 / ISO 15585:2006

Hard coal - Determination of caking index

Ed 1.00 A4 16p EN PDF 16p EN

Specifies a method of determination of caking index of hard coal. It is applicable to the evaluation of caking power of bituminous coal with random reflectance of vitrinite greater than 0.6 % and less than or equal to 1.8 %.

SANS 15587-1:2002 / ISO 15587-1:2002 (2008-02-22)

Water quality - Digestion for the determination of selected elements in water Part 1: Aqua regia digestion E

d 1.00	A4 22p EN	Gr 9
	PDF 22p EN	13.060.50

Specifies a method for extracting trace elements from a water sample using aqua regia as a digestion agent.

SANS 15587-2:2002 / ISO 15587-2:2002 (2008-02-22)

Water quality - Digestion for the determination of sel	ected elements in water Part 2: Nitric acid digestion
Ed 1.00 A4 21p EN	Gr 9

PDF 21p EN	13.060.50
Specifies a method for extracting trace elements	from a water sample using nitric acid as a digestion agent.

SANS 15589-1:2009 / ISO 15589-1:2003

Petroleu	m and natural gas industries - Cathodic protection	of pipeline transportation systems Part 1: On-land pipe	elines
Ed 1.00	A4 49p EN	Gr 12	
	PDF 49p EN	75 200	

Specifies requirements and gives recommendations for the pre-installation surveys, design, materials, equipment, fabrication, installation, commissioning, operation, inspection and maintenance of cathodic protection systems for on-land pipelines, as defined in ISO 13623, for the petroleum and natural gas industries. Applicable to buried carbon steel and stainless steel pipelines on land. Also applicable to landfalls of offshore pipeline sections protected by onshore-based cathodic protection installations. Applicable to retrofits, modifications and repairs made to existing pipeline systems.

SANS 15589-2:2009 / ISO 15589-2:2004

Petroleum and natural gas industries - Cathodic protection of pipeline transportation systems Part 2: Offshore pipelines

Ed 1.00	A4 63p EN	Gr 14
	PDF 63p EN	75.200

Specifies requirements and gives recommendations for the pre-installation surveys, design, materials, equipment, fabrication, installation, commissioning, operation, inspection and maintenance of cathodic protection systems for offshore pipelines for the petroleum and natural gas industries as defined in ISO 13623. Applicable to carbon and stainless steel pipelines in offshore service. Applicable to retrofits, modifications and repairs made to existing pipeline systems. Applicable to all types of seawater and seabed environments encountered in submerged conditions and on risers up to mean water level.

SANS 15607:2007 / ISO 15607:2003 (2012-11-02)

Specification and qualification of welding procedures for metallic materials - General rules

Ed 1.00 A4 20p EN PDF 20p EN

Defines general rules for the specification and qualification of welding procedures for metallic materials. Also refers to several other standards as regards detailed rules for specific applications. This standard is applicable to manual, mechanized and automatic welding. Welding procedures are gualified by conforming to one or more welding procedure gualification records (WPQR). This standard is part of a series of standards and provides details as well as a flowchart on the use of these standards. Provides a flow diagram for the development and qualification of a WPS. Cor 1(International), 2007-04-20

SANS 15609-1:2007 / ISO 15609-1:2004 (2012-12-14)

Specifica	ation and qualification of welding procedures for metallic materials -	Welding procedure specification Part 1: Arc welding
Ed 1.00	A4 14p EN	Gr 7
	PDF 14p EN	25,160,10

Specifies requirements for the content of welding procedure specifications for arc welding processes. Cor 1(International), 2007-04-20

SANS 15609-2:2009 / ISO 15609-2:2001

Specifica	ation and qualification of welding procedures for metallic materials -	Welding procedure specification Part 2: Gas welding
Ed 1.00	A4 11p EN	Gr 7
	PDF 11p EN	25,160,10

Specifies requirements for the content of welding procedure specifications for gas welding processes.

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NUMERICAL LIST OF STANDARDS			
SANS 15609-3:2009 / ISO 15609-3:2004 Specification and qualification of welding procedures for metallic materials	Welding procedure specification Part 3: Electron beam		
Fd 1 00 A4 14p EN	Gr 7		
PDF 14p EN	25.160.10		
Specifies requirements for the content of welding procedure specifications for elec	tron beam welding.		
SANS 15600 5-2000 / ISO 15600 5-2004			
Specification and qualification of welding procedures for metallic materials - welding	Welding procedure specification Part 5: Resistance		
Ed 1.00 A4 18p EN	Gr 8		
PDF 18p EN	25.160.10		
Specifies requirements for the content of welding procedure specifications for resis	stance welding.		
SANS 15614-1:2007 / ISO 15614-1:2004 (2012-11-02)			
Specification and qualification of welding procedures for metallic materials - steels and arc welding of nickel and nickel alloys	Welding procedure test Part 1: Arc and gas welding of		
Ed 1.00 A4 34p EN	Gr 11		
	25.160.10		
Part of a series of standards.Specifies how a preliminary welding procedure specif conditions for the execution of welding procedure tests and the range of qualification within the range of variables listed in clause 8. Applies to the arc and gas welding alloys in all product forms. Contains principles which may be applied to other fusion Cor 1(International), 2007-04-20	ication is qualified by welding procedure tests. Defines the on for welding procedures for all practical welding operations of steels in all product forms and the welding of nickel and nickel n welding processes.		
SANS 15614-2:2007 / ISO 15614-2:2005 (2012-11-02) Specification and qualification of welding procedures for metallic materials - aluminium and its alloys	Welding procedure test Part 2: Arc welding of		
Ed 1.00 A4 37p EN	Gr 11		
	25.160.10		
Specifies how a preliminary welding procedure specification is qualified by welding welding procedure tests and the range of qualification for welding procedures for a in clause 8. Applies to the arc welding of wrought and cast aluminium and its alloy Contains principles which may be applied to other fusion welding processes. Cor 1(International), 2007-04-20	procedure tests. Defines the conditions for the execution of Il practical welding operations within the range of variables listed s. Does not apply to finishing welding of aluminium castings.		
SANS 15614-3:2009 / ISO 15614-3:2008			
Specification and qualification of welding procedures for metallic materials - alloyed and low-alloyed cast irons	Welding procedure test Part 3: Fusion welding of non-		
Ed 1.00 A4 24p EN	Gr 10		
	25.160.10		
specifies now a preliminary weiging procedure specification (pWPS) for production qualified by fusion welding procedure tests. It also defines the conditions for execu- for welding procedures for all practical welding operations within the range of a def procedure tests made to former national standards or specifications.	and repair welding of non-alloyed and low-alloyed cast from is ition of the welding procedure tests and the range of qualification fined list of variables. It does not invalidate previous welding		
SANS 15614-4:2008 / ISO 15614-4:2005 Specification and qualification of welding procedures for metallic materials -	Welding procedure test Part 4: Finishing welding of		
Ed 1.00 A4 20p EN	Gr 9		
PDF 20p EN	25.160.10		
Specifies how a welding procedure specification for finishing welding of aluminium to repair welding. Cor 1(International), 2008-05-30	castings is qualified by welding procedure tests. Does not apply		
SANS 15614-5:2008 / ISO 15614-5:2004 Specification and qualification of welding procedures for metallic materials - zirconium and their alloys	Welding procedure test Part 5: Arc welding of titanium,		
Ed 1.00 A4 28p EN PDF 28p EN	Gr 10 25.160.10		
Specifies preliminary welding procedures and also defines the conditions for the error welding procedures for all practical welding operations.	xecution of welding procedure tests and the range of qualification		

NUMERICAL LIST OF STANDARDS				
SANS 15614-6:2008 / ISO 15614-6:2006 Specification and qualification of welding procedures for metallic materials - copper and its alloys Ed 1.00 A4 29p EN	Welding procedure test Part 6: Arc and gas welding of			
PDF 29p EN	25.160.10			
Specifies preliminary welding procedures and also defines the conditions for the ex- for welding procedures for all practical welding operations. It applies to the arc and	xecution of welding procedure tests and the range of qualification gas welding of copper and copper alloys in all product forms.			
SANS 15614-7:2008 / ISO 15614-7:2007 Specification and qualification of welding procedures for metallic materials - Ed 1.00 A4 28p EN PDF 28p EN	Welding procedure test Part 7: Overlay welding Gr 10 25.160.10			
Specifies preliminary welding procedures and also defines the conditions for the execution of welding procedure tests and the range of qualification for welding procedures for all practical welding operations. It does not apply to overlay welding where cracks are intentionally produced (e.g. special handcarfing applications).				
SANS 15614-8:2008 / ISO 15614-8:2002 Specification and qualification of welding procedures for metallic materials - tube-plate joints	Welding procedure test Part 8: Welding of tubes to			
Ed 1.00 A4 26p EN PDF 26p EN	Gr 10 25.160.10			
Specifies requirements for the qualification testing of welding procedures for the ar manual, partly mechanized, mechanized or automatic processes. It does not apply (external/internal bore welds).	rc welding of tube to tube-plate joints in metallic materials by to tube-sheets with forged end connections with welded tubes			
SANS 15614-10:2008 / ISO 15614-10:2005 Specification and qualification of welding procedures for metallic materials - Ed 1.00 A4 15p EN PDF 15p EN	Welding procedure test Part 10: Hyperbaric dry welding Gr 8 25.160.10			
Specifies minimum testing requirements and how to qualify welding procedure spe	cifications for welding in dry environment.			
SANS 15614-11:2008 / ISO 15614-11:2002 Specification and qualification of welding procedures for metallic materials - beam welding Ed 1.00 A4 30p EN	Welding procedure test Part 11: Electron and laser Gr 10			
Defines the conditions for the execution of welding procedure qualification tests an practical welding operations. It also specifies how a welding procedure specificatio test.	25.160.10 In the limit of validity of a qualified welding procedure for all In for electron or laser beam is qualified by a welding procedure			
SANS 15614-12:2008 / ISO 15614-12:2004 Specification and qualification of welding procedures for metallic materials - projection welding	Welding procedure test Part 12: Spot, seam and			
Ed 1.00 A4 16p EN PDF 16p EN	Gr 8 25.160.10			
Specifies the tests which may be used for qualification of welding procedure special also defines the conditions for carrying out tests and the limits for validity of a qual	fications for spot, seam and projection welding processes and ified welding procedure.			
SANS 15614-13:2008 / ISO 15614-13:2005 Specification and qualification of welding procedures for metallic materials - flash welding	Welding procedure test Part 13: Resistance butt and			
Ed 1.00 A4 22p EN PDF 22p EN	Gr 9 25.160.10			
Applies to resistance butt welding and flash welding of metallic materials, e.g with solid, tubular, flat or circular cross section and also defines the conditions for carrying out tests and the limits of validity of a qualified welding procedure for all practical welding operations.				
SANS 15628:2009 / ISO 15628:2007 Road transport and traffic telematics - Dedicated short range communication Ed 1.00 A4 56p EN PDF 56p EN	(DSRC) - DSRC application layer Gr 13 03.220.01: 03.220.20: 35.240.60			
Specifies the application layer core which provides communication tools for applic	ations based on DSRC (Dedicated Short-range Communication)			

Specifies the application layer core which provides communication tools for applications based on DSRC (Dedicated Short-range Communication). Covers the application layer structure and framework, services to enable data transfer and remote operations, application multiplexing procedure, fragmentation procedure, concatenation and chaining procedure, common encoding rules, communication initialization and release procedures, broadcast service support, DSRC management support and extensibility for different lower layer services and application interfaces.

gue test method for transmission precisior	1 roller chains
I.00 A4 52p EN PDF 52p EN	Gr 13 21.220.30
cifies an axial force fatigue test method for tra berature in air, with the force applied along the Its and gives formats and elements for preser	nsmission roller chains, the tests being of the fluctuating tension type, carried out at room e longitudinal axis of the chain. It also specifies procedures for statistically analyzing the test nting the results of fatigue tests and analyses.
S 15682:2002 / ISO 15682:2000 (2008-02-22 er quality - Determination of chloride by flo	?) wy analysis (CFA and FIA) and photometric or potentiometric detection
1.00 A4 25p EN	Gr 10
PDF 25p EN	13.060.50
cifies two methods for the determination of ch	loride by flow analysis.
S 15693-1:2012 / ISO/IEC 15693-1:2010 tification cards - Contactless integrated ci	rcuit cards - Vicinity cards Part 1: Physical characteristics
200 A4 10p EN	Gr 6
PDF 10p EN	35.240.15
nes the physical characteristics of contactless ductive coupling in the vicinity of a coupling d	integrated circuit cards or other objects with which communication and power transfers are done levice.
S 15693-2:2009 / ISO/IEC 15693-2:2006 tification cards - Contactless integrated ci	rcuit cards - Vicinity cards Part 2: Air interface and initialization
2.00 A4 21p EN	Gr 9
PDF 21p EN	35.240.15
cifies the nature and characteristics of the field Ds) and vicinity cards (VICCs).	ds to be provided for power and bi-directional communications between vicinity coupling devices
S 15693-3:2004 / ISO/IEC 15693-3:2001 (20	09-05-08)
tification cards - Contactiess integrated ci	rcuit(s) cards - vicinity cards Part 3: Anticollision and transmission protocol
1.00 A4 510 EN PDF 510 EN	Gr 13
cribes protocol and commands, methods to de	etect and communicate with one card among several cards (anticollision), and optional means to everal cards based on application criteria.
S 15696:2008 / ISO/TS 15696:2000	
nes - List of equivalent terms	
1.00 A4 25p EN	Gr 10
PDF 25p EN	01.040.53; 53.020.20
blishes a list of equivalent terms in English. F	rench and Russian of the most commonly used terms in the field of cranes as defined or listed in

PDF 12p EN 47.080 Specifies the minimum level of requirements for construction, operation and installation of remote steering systems for all small inboard jet boats weighing less than 1 000 kg, excluding water scooters.

Specifies a method for the determination of the salt content of all types of butter containing more than 0,1 % (mass fraction) salt.

SANS 15654:2006 / ISO 15654:2004

SANS 15652:2008 / ISO 15652:2003

Ed 1.00 A4 12p EN

Ed 1.00 A4 12p EN

Wat

PDF 12p EN

Fatigue test method for transmission precision roller chains			
Ed 1.00	A4 52p EN	Gr 13	
	PDF 52p EN	21 220 30	

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SANS 15648:2005 / ISO 15648:2004 (2010-08-06)

Butter - Determination of salt content - Potentiometric method

Small craft - Remote steering systems for inboard mini jet boats

frater quality Determination of emeride by new analysis (er r and r r) and proteiner of petermetric		
Ed 1.00 A4 25p EN	Gr 10	
PDF 25p EN	13.060.50	
Specifies two methods for the determination of chloride by flow a	analysis.	
SANS 15693-1:2012 / ISO/IEC 15693-1:2010		

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Identifica	ation cards - C	Contactless integrated circuit ca	ards - Vicinity cards Part 2:	Air interface and initialization
Ed 2.00	A4 21p EN		G	r 9
	PDF 21p EN		25	5 240 15

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Identification cards - Contactless integrated circuit(s) cards - Vicinity cards Part 3: Anticollision and transmission protocol		
Ed 1.00 A4 51p EN	Gr 13	
PDF 51p EN	35.240.15	
Describes protocol and commands, methods to detect and commense and speed up the selection of one among several cards ba	nunicate with one card among several cards (anticollision), and optional mised on application criteria.	

SAN

Cranes - List of equivalent terms			
Ed 1.00	A4 25p EN	Gr 10	
	PDF 25p EN	01.040.53; 53.020.20	

Esta ed in international standards developed by ISO/TC 96. Contains terms concerning the main types of crane, parameters, general concepts and component parts.

SANS 15700:2011 / ISO 15700:1998

Ed 1.00	A4 8p EN	Gr 6
	PDF 8p EN	59.140.30

Specifies a method for assessing the effect, on leather of all kinds, caused by spotting with water. The method is suitable for assessing the change in physical appearance and the colour change of the leather.

NUMERICAL LIST OF STANDARDS

67.100.20

Gr 7

Gr 7

Gr 9

Gr 10

19.100

01.140.20

01.140.40

SANS 15706:2005 / ISO 15706:2002 (2010-08-27)

Information and documentation - International Standard Audiovisual Number (ISAN)

Ed 1.00 A4 19p EN

PDF 19p EN

Establishes and defines a voluntary standard numbering system for the unique and international identification of audiovisual works. Identifies an audiovisual work throughout its life and is intended for use wherever precise and unique identification of an audiovisual work would be desirable. May be used for various purposes, such as to assist allocation of royalties among right holders, to track the use of audiovisual works, for information retrieval and for anti-piracy purposes, such as verifying title registrations.

SANS 15706-2:2010 / ISO 15706-2:2007

Information and documentation - International Standard Audiovisual Number (ISAN) Part 2: Version identifier

Ed 1.00 A4 27p EN PDF 27p EN

Establishes a voluntary system for the identification of versions of audiovisual works and other content derived from or closely related to an audiovisual work. Based on the International Standard Audiovisual Number (ISAN) system defined in ISO 15706 (published in South Africa as an identical adoption under the designation SANS 15706).

SANS 15707:2005 / ISO 15707:2001 (2010-08-27)

Information and documentation - International Standard Musical Work Code (ISWC) Ed 1 00 Δ/ 170 EN

Eu 1.00	A4 I/p EN	Grø
	PDF 17p EN	01.140.20

Specifies a means of uniquely identifying a musical work. Standardizes and promotes internationally the use of a standard identification code so that musical works can be uniquely distinguished from one another within computer databases and related documentation and for the purposes of collecting societies involved in the administration of rights to such works.

SANS 15708-1:2005 / ISO 15708-1:2002 (2010-03-31)

Non-destructive testing - Radiation methods - Computed tomography Part 1: Principles Ed 1.00 A4 71p EN Gr 14 PDF 71p EN

Provides a tutorial introduction to the theory and use of computed tomography (CT) and describes the physical and mathematical basis of CT
technology, the hardware and software requirements of CT equipment, and the fundamental measures of CT performance.

SANS 15708-2:2005 / ISO 15708-2:2002 (2010-03-31)

Non-destructive testing - Radiation methods -	Computed tomography Part 2: Examination practices
	0 10

Ed 1.00	A4 26p EN	Gr 10
	PDF 26p EN	19.100

Describes computed tomography (CT) procedures that can provide non-destructive testing and evaluation. Requirements intend to control the reliability and quality of CT images. Applicable for the systematic assessment of the internal structure of a material or assembly. Provides a basis for the formation of a program for quality control.

SANS 15779:2012 / ISO 15779:2011

Condensed aerosol fire extinguishing systems -Requirements and test methods for components and system design, installation and maintenance - General requirements

Ed 1.00	A4 79p EN	Gr 14	
	PDF 79p EN	13.220.1	0

Specifies requirements and test methods for the components and gives recommendations for the design, installation, testing, maintenance and safety of condensed aerosol fire fighting systems in buildings, plants or other structures, and the characterestics of the extinguishants and types of fire for which they are a suitable extingushing medium. Covers total flooding systems primarily related to buildings, plant and other specific applications, utilizing electrically non-conducting condensed aerosol fire extinguishants for which there are sufficient data currently available to enable validation of performance characteristics by an appropriate independent authority.

SANS 15794:2007 / ISO 15794:2001

Bi-directional and multi-directional fork-lift trucks - Stability tests Ed 1.00 A4 21p EN Gr 9 PDF 21p EN 53.060

Specifies basic tests to verify the stability of bi-directional and multi-directional fork-lift trucks with tiltable or non-tiltable mast or fork arms. Applicable to trucks fitted with fork arms and/or attachments but not applicable to trucks that handle suspended loads that can swing freely.

SANS 15801:2005 / ISO/TR 15801:2004 (2011-02-04)

Electronic imaging	 Information stored electronical 	ly - Recommendations	for trustworthiness	and reliability
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Ed 1.00	A4 48p EN	Gr 12
	PDF 48p EN	37.080

Describes the implementation and operation of information management systems that store information electronically and where the issues of trustworthiness, reliability, authenticity and integrity are important. Covers the whole life cycle of a stored electronic document, from initial capture to eventual destruction. Applies to any information management system, including traditional document imaging, workflow and COLD/ERM technologies, and using any type of electronic storage medium including WORM and rewritable technologies.

I BI TOP EN	23.040.01; 83.140.30; 91.1
Specifies the characteristics of the fitness for purpose installations within buildings for the conveyance of wat systems, under design pressures and temperatures a	of polypropylene (PP) piping systems, intended to be us ter, whether or not intended for human consumption (do ccording to the class of application.
SANS 15874-7:2011 / ISO/TS 15874-7:2003 Plastics piping systems for hot and cold water ins	tallations - Polypropylene (PP) Part 7: Guidance for t
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	23.040.20; 83.140.30; 91.1

Specifies guidance for the assessment of conformity to be included in the manufacturer's quality plan as part of his quality system.

Gr 9 PDF 21p EN 23.040.45; 83.140.30; 91.140.60 Plastics piping systems for hot and cold water installations - Polypropylene (PP) Part 5: Fitness for purpose of the system Gr 8

SANS 15874-1:2004 / ISO 15874-1:2003 (2009-07-31)	
Plastics piping systems for hot and cold water installations - Po	lypropylene (PP) Part 1: General

lastics piping systems for hot and cold water installations - Polypropylene (PP) Part 1: General			
d 1.00	A4 17p EN	Gr 8	
	PDF 17p EN	22 040 01 22 140 20 01 140 60	

SANS 15874-2:2004 / ISO 15874-2:2003 (2009-07-31)

Plastics piping systems for hot and cold water installations - Polypropylene (PP) Part 2: Pipes

Ed 1.00 A4 23p EN

Specifies the characteristics of pipes made from polypropylene (PP) for piping systems intended to be used for hot and cold water installations

PDF 23p EN 23.040.20; 83.140.30; 91.140.60

within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems under

SANS 15874-3:2004 / ISO 15874-3:2003 (2009-07-31)

Ed 1.00 A4 21p EN

Specifies the characteristics of fittings for polypropylene (PP) piping systems intended to be used for hot and cold water installations within

SANS 15816:2006 / ISO/IEC 15816:2002 (2011-03-11) Information technology - Security techniques - Security information objects for access control Gr 10

Ed 1.00 A4 27p EN PDF 27p EN

Gives the definition of guidelines for specifying the abstract syntax of generic and specific Security Information Objects (SIOs), and the specifications of generic and specific SIOs for Access Control. Covers only the "statics" of SIOs through syntactic definitions in terms of ASN.1 descriptions and additional semantic explanations. Does not cover the "dynamics" of SIOs (e.g. rules relating to their creation and deletion), which are a local implementation issue.

SANS 15836:2009 / ISO 15836:2009 Information and documentation - The Dublin Core metadata element set Ed 1.00 A4 10p EN

PDF 10p EN Establishes a standard for cross-domain resource description, known as the Dublin Core Metadata Element Set.

SANS 15854:2008 / ISO 15854:2005 Dentistry - Casting and baseplate waxes			
Ed 1.00	A4 19p EN	Gr 9	
	PDF 19p EN	11.060) 1

Applicable to dental casting wax and to dental baseplate wax. It specifies the classification of, and requirements for, dental casting wax and baseplate wax together with the test methods to be employed to determine compliance with these requirements.

SANS 15870:2007 / ISO 15870:2000

Powered industrial trucks - Safety signs and hazard pictorials - General principles

Ed 1.00 A4 39p EN Gr 11 PDF 39p EN 01.080.10; 53.060 Establishes general principles for the design and application of safety signs and hazard pictorials permanently affixed to all types of industrial

trucks including those defined in ISO 5053. This standard outlines safety sign objectives, describes the basic safety sign formats and colours, and provide guidance on developing the various panels that together constitute a safety sign.

Е

Specifies the general aspects of polypropylene (PP) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application.

operating pressures and temperatures appropriate to the class of application.

Plastics piping systems for hot and cold water installations - Polypropylene (PP) Part 3: Fittings

buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems under design pressures and temperatures according to the class of application.

SANS 15874-5:2004 / ISO 15874-5:2003 (2009-07-31)

Ed 1.00 A4 16p EN <u>02 040 01·83 140 30:91.140.60</u> PDF 16p EN

Specifies the char sed for hot and cold water installations within mestic systems) and for heating systems, under de

NUMERICAL LIST OF STANDARDS

Gr 10

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23.040.01: 83.140.30: 91.140.60

he assessment of conformity

40.60

Standards South Africa Catalogue 2013 NUM - 586

NUMERICAL LIST OF STANDARDS

SANS 15875-1:2004 / ISO 15875-1:2003 (2009-07-31)

Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) Part 1: General

Ed 2.00 A4 15p EN PDF 15p EN

23.040.01; 83.140.30; 91.140.60

Gr 8

Gr 9

Specifies the general aspects of crosslinked polyethylene (PE-X) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures according to the class of application. Covers a range of service conditions (application classes) and design pressure classes.

SANS 15875-2:2004 / ISO 15875-2:2003 (2009-07-31)

Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) Part 2: Pipes

Ed 2.00 A4 22p EN PDF 22p EN

23.040.01: 83.140.30: 91.140.60

Specifies the characteristics of pipes made from crosslinked polyethylene (PE-X) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures appropriate to the class of application. Covers a range of service conditions (application classes), design pressures and pipe dimension classes.

SANS 15875-3:2004 / ISO 15875-3:2003 (2009-07-31)

Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) Part 3: Fittings

Ed 2.00 A4 20p EN PDF 20p EN

Gr 9

23.040.01; 83.140.30; 91.140.60

Specifies the characteristics of fittings for crosslinked polyethylene (PE-X) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures appropriate to the class of application. Covers a range of service conditions (application classes) and design pressure classes.

SANS 15875-5:2004 / ISO 15875-5:2003 (2009-07-31)

Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) Part 5: Fitness for purpose of the system

Ed 2.00 A4 16p EN Gr 8 PDF 16p EN 23.040.01; 83.140.30; 91.140.60

Specifies the characteristics of the fitness for purpose of crosslinked polyethylene (PE-X) piping systems, intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application. Covers a range of service conditions (application classes) and design pressure classes.

SANS 15875-7:2010 / ISO/TS 15875-7:2003

Plastics piping systems for hot and cold water installations - Cross-linked polyethylene (PE-X) Part 7: Guidance for the assessment of conformity

Ed 1.00 A4 19p EN PDF 19p EN

Gives guidance for the assessment of conformity to be included in the manufacturer's quality plan as part of his quality system.

SANS 15876-1:2005 / ISO 15876-1:2003 (2010-11-26)

Plastics piping systems for hot and cold water installations - Polybutylene (PB) Part 1: General

Ed 1.00 A4 15p EN PDF 15p EN

Specifies the general aspects of polybutylene (PB) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application.

SANS 15876-2:2005 / ISO 15876-2:2003 (2010-11-26)

Plastics piping systems for hot and cold water installations - Polybutylene (PB) Part 2: Pipes

Ed 1.00 A4 21p EN PDF 21p EN

Specifies the characteristics of pipes made of polybutylene (PB) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures appropriate to the class of application.

SANS 15876-3:2005 / ISO 15876-3:2003 (2010-11-26)

Plastics piping systems for hot and cold water installations - Polybutylene (PB) Part 3: Fittings

Ed 1.00 A4 19p EN PDF 19p EN

Specifies the characteristics of fittings for polybutylene (PB) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), and for heating systems under design pressures and temperatures according to the class of application.

Gr 9

23.040.20; 83.140.30; 91.140.60

Gr 8 83.140.30: 91.140.60

83.140.30: 91.140.60

Gr 9

Gr 9 83.140.30; 91.140.60

SANS 15876-5:2005 / ISO 15876-5:2003 (2010-12-09)

Plastics piping systems for hot and cold water installations - Polybutylene (PB) Part 5: Fitness for purpose of the system Gr 8

Ed 1.00 A4 16p EN PDF 16p EN

Specifies the characteristics of the fitness for purpose of polybutylene (PB) piping systems, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures according to the class of application.

SANS 15876-7:2010 / ISO/TS 15876-7:2003

Plastics piping systems for hot and cold water inst	allations - Polybutylene (PB) Part 7: Guidance for the assessment of conformity
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	23.040.20; 83.140.30; 91.140.60

Gives guidance for the assessment of conformity to be included in the manufacturer's guality plan as part of his guality system.

SANS 15877-1:2005 / ISO 15877-1:2003 (2010-11-26)

Plastics	piping systems for hot and cold water installations -	Chlorinated poly(vinyl chloride)(PVC-C) Part 1: General
Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	23.040.20

Specifies the general requirements of chlorinated poly(vinyl chloride) (PVC-C) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), under design pressures and temperatures appropriate to the class of application.

SANS 15877-2:2005 / ISO 15877-2:2003 (2010-11-26)

Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride)(PVC-C) Part 2: Pipes

Ed 1.00 A4 22p EN PDF 22p EN

Specifies the requirements of pipes made from chlorinated poly(vinyl chloride) (PVC-C) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), under design pressures and temperatures appropriate to the class of application.

SANS 15877-3:2005 / ISO 15877-3:2003 (2010-11-26)

Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride)(PVC-C) Part 3: Fittings

Ed 1.00	A4 30p EN	Gr 10
	PDF 30p EN	23.040.20; 23.040.45

Specifies the characteristics of fittings made from chlorinated poly(vinyl chloride) (PVC-C) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) under design pressures and temperatures according to the class of application.

SANS 15877-5:2005 / ISO 15877-5:2003 (2010-11-26)

Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride)(PVC-C) Part 5: Fitness for purpose of the system

Ed 1.00 A4 15p EN PDF 15p EN

Specifies the characteristics of the fitness for purpose of chlorinated poly(vinyl chloride) (PVC-C) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application.

SANS 15877-7:2010 / ISO/TS 15877-7:2009

Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl choride) (PVC-C) Part 7: Guidance for the assessment of conformity

Ed 1.00 A4 20p EN PDF 20p EN

Gives guidance for the assessment of conformity included in the manufacturer's guality plan as part of his/her guality system.

SANS 15883-1:2008 / ISO 15883-1:2006

Washer-disinfectors Part 1: General requirements, terms and definitions and tests

Ed 1.00 A4 77p EN Gr 14 PDF 77p EN 11.080.10

Specifies general performance requirements for washer-disinfectors (WD) and their accessories that are intended to be used for cleaning and disinfection of re-usable medical devices and other articles used in the context of medical, dental, pharmaceutical and veterinary practice. It specifies performance requirements for cleaning and disinfection as well as for the accessories which can be required to achieve the necessary performance. The method and instrumentation required for validation, routine control and monitoring and re-validation, periodically and after essential repairs, are also specified.

23.040.01: 23.040.20: 91.140.60

23.040.20

Gr 9

Gr 8

Gr 9

23.040.20

83.140.30; 91.140.60

SANS 15883-2:2008 / ISO 15883-2:2006 Washer-disinfectors Part 2: Requirements and tests for washer-disinfectors employing thermal disinfection for surgical instruments, anaesthetic equipment, bowls, dishes, receivers, utensils, glassware, etc

Ed 1.00 A4 17p EN PDF 17p EN Gr 8 11.080.10

11.080.10

Specifies particular requirements for washer-disinfectors (WD) that are intended for use for the cleaning and thermal disinfection, in a single operating cycle, of re-usable medical devices such as surgical instruments, anaesthetic equipment, bowls, dishes and receivers, utensils and glassware.

SANS 15883-4:2008 / ISO 15883-4:2008

Washer-disinfectors Part 4: Requirements and tests for washer-disinfectors employing chemical disinfection for thermolabile endoscopes Ed 1.00 A4 56p EN Gr 13

PDF 56p EN

Specifies the particular requirements, including performance, for washer-disinfectors (WDs) that are intended to be used for cleaning and chemical disinfection of thermolabile endoscopes. It also specifies the performance requirements for the cleaning and disinfection of the washer-disinfector and it components and accessories which may be required to achieve the necessary performance. The methods, instrumentation and instructions required for type testing, works testing, validation (installation, operational and performance qualification on first inatllation), routine control and monitoring and re-validation, periodically and after essential repairs, are also specified.

SANS 15910:2003 / ISO/IEC 15910:1999 (2009-08-28)

Information technology - Software user documentation process	
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Ed 1.00	A4 58p EN	Gr 13
	PDF 58p EN	35.080

Specifies the minimum process for creating all forms of user documentation for software which has a user interface. Such forms of documentation include printed documentation (e.g. user manuals and quick-reference cards), on-line documentation, help text and on-line documentation systems.

SANS 15924:2005 / ISO 15924:2004 (2011-02-24)

Information and documentation - Codes for the representation of r	names of scripts
Ed 1.00 A4 16p EN	Gr 8

Lu 1.00		
	PDF 16p EN	01.140.10; 01.140.20

Provides a code for the presentation of names of scripts. The codes were devised for use in terminology, lexicography, bibliography, and linguistics, but they may be used for any application that requires the expression of scripts in coded form. Provides guidance on the use of script codes in some of these applications.

SANS 15939:2009 / ISO/IEC 15939:2007

Systems and software engineering - Measurement process

Ed 2.00	A4 45p EN	Gr 12
	PDF 45p EN	35.080

Defines a measurement process applicable to system and software engineering and management disciplines. The process is described through a model that defines the activities of the measurement process that are required to adequately specify what measurement information is required, how the measures and analysis results are to be applied, and how to determine if the analysis results are valid. The measurement process is flexible, tailorable, and adaptable to the needs of different users. It identifies a process that supports defining a suitable set of measures that address specific information needs. It identifies the activities and tasks that are necessary to successfully identify, define, select, apply and improve measurement within an overall project or organizational measurement structure. It also provides definitions for measurement terms commonly used within the system and software industries.

SANS 15940:2009 / ISO/IEC 15940:2006

Information Technology - Software engineering environment services

Ed 1.00	A4 58p EN	Gr 13
	PDF 58p EN	35.040

Defines the software engineering environment (SEE) services conceptually in a reference model that can be adapted to any SEEs to automate one or more software engineering activities

SANS 15945:2002 / ISO/IEC 15945:2002 (2010-03-19)

Informati	ion technology	- Security techniques - Specification of TTP services to support the application of digital signatures
Ed 1.00	A4 57p EN	Gr 13
	PDF 57p EN	35.040

Defines TTP services needed to support the application of digital signatures for the put non-repudiation of creation of documents.

SANS 15946-1:2009 / ISO/IEC 15946-1:2008 (2009-12-11) Information technology - Security techniques - Cryptographic techniques based on elliptic curves Part 1: General Ed 2.00 A4 37p EN Gr 11 PDF 37p EN 35 040

Specifies public-key cryptographic techniques based on elliptic curves. Includes the establishment of keys for secret-key systems, and digital signature mechanisms. Describes the mathematical background and general techniques necessary for implementing any of the mechanisms described.

Cor 1(International), 2009-12-11

Standards South Africa Catalogue 2013 NUM - 588

Standards South Africa Catalogue 2013 NUM - 589

Methods for the calibration of vibration and shock transducers Part 1: Basic concepts Ed 1.00 A4 29p EN Gr 10 PDF 29p EN 17.160

Describes methods for the calibration of vibration and shock transducers. It also includes methods for the measurement of characteristics in addition to the sensitivity.

SANS 15946-5:2010 / ISO/IEC 15946-5:2009	
Information technology - Security techniques - Cryptographic techniques based on elliptic curves Part 5: Elliptic curve generati	ion

PDF 38p EN	35.040
Specifies public-key cryptographic techniques ba elliptic curve based mechanisms. Does not speci	sed on elliptic curves. Defines elliptic curve generation techniques useful for implementing the fy the implementation of the techniques it defines.
SANS 15963:2008 / ISO/IEC 15963:2004	

NUMERICAL LIST OF STANDARDS

Information technology - Radio frequency identification for item management - Unique identification for RF tags

Ed 1.00	A4 17p EN	Gr 8
	PDF 17p EN	35.040

Describes numbering systems that are available for the identification of RF tags. A unique ID is required as part of the write operation to RFID tags. The unique ID guarantees that the information written to a tag is unambiguously written to the correct data carrier (tag). A unique ID is also required in many read situations where the contents of the tag are tied to a specific item and that item needs to be unambiguously identified.

SANS 15970:2010 / ISO 15970:2008

Natural gas - Measurement of properties	- Volumetric properties: density, pressure, temperature and compression factor
Ed 1.00 A4 54p EN	Gr 13

PDF 54p EN	75.060; 75.180.30

Gives requirements and procedures for the measurement of the properties of natural gas that are used mainly for volume calculation and volume conversion: density at reference and at operating conditions, pressure, temperature and compression factor.

SANS 16001:2013

Ed 1.00 A4 38p EN

Wellness and disease (including HIV and TB) management systems - Requirements

PDF 21p EN 03.120.99; 11.020 AMS 16001:2003, MOD

Specifies general requirements for wellness and disease, including HIV and TB, management systems (WDMSs). Applies to any organization that wishes to establish, implement, maintain and improve such systems.

SANS 16022:2008 / ISO/IEC 16022:2006

Information technology - Automa	itic identification and data capture techniques - Data Matrix bar code symbology specification
Ed 1.00 A4 141p EN	Gr 17
PDF 141p EN	01 090 50: 35 040

Describes numbering systems that are available for the identification of RF tags. A unique ID is required as part of the write operation to RFID tags. The unique ID guarantees that the information written to a tag is unambiguously written to the correct data carrier (tag). A unique ID is also required in many read situations where the contents of the tag are tied to a specific item and that item needs to be unambiguously identified.

SANS 16037:2003 / ISO 16037:2002 (2008-09-26)

Rubber condoms for clinical trials - Measurement of physical properties	
Ed 1.00 A4.9n EN	

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PDF 9p EN	11.200
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Intended as a guideline for clinical researchers working with condoms. Suggests a series of laboratory tests to be conducted on the products to be used in any clinical investigation, so that it will be easier to relate the clinical results to the design and quality of the condoms used.

SANS 16038:2006 / ISO 16038:2005

Rubber condoms - Guidance on the use of ISO 4074 in the quality management of natural rubber latex condoms

Ed 1.00 A4 18p EN PDF 18p EN

Provides guidance on using ISO 4074 (published in South Africa as an identical adoption under the designation SANS 4074) and addresses quality issues to be considered during the development, manufacture, quality verification and procurement of condoms. It encompasses the aspects of quality management systems in design, manufacture and delivery of condoms with emphasis on performance, safety and reliability of condoms.

SANS 16042:2011 / ISO 16042:2007

SANS 16063-1:2008 / ISO 16063-1:1998

Iroi	n ores	Guidelines	for the	use of	certified	d reference mater	ials (CRMs)	
Ed	1.00	A4 12p EN						Gr 7
		PDF 12p EN						73.060.10
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Describes recommended procedures for the use of CRMs that have been prepared and certified in accordance with ISO 11459.

Gr 11

Gr 8

01.080.50; 35.040

Gr 6

Gr 8 11.200

SANS 16063-11:2008 / ISO 16063-11:1999 Methods for the calibration of vibration and shock transducers Part 11: Primary vibration calibration by laser interferometry

PDF 32p EN 17.160 Specifies the instrumentation and procedure to be used for primary vibration calibration of rectilinear accelerometers (with or without amplifier) to obtain magnitude and phase lag of the complex sensitivity by steady-state sinusoidal vibration and laser interferometry.

SANS 16063-13:2008 / ISO 16063-13:2001

Ed 1.00 A4 32p EN

Methods for the calibration of vibration and shock transducers Part 13: Primary shock calibration using laser interferometry

Ed 1.00	A4 29p EN	Gr 10
	PDF 29p EN	17.160

Specifies the instrumentation and procedure to be used for primary shock calibration of rectilinear accelerometers, using laser interferometry to sense the time-dependent displacement during the shock. The method is applicable in a shock pulse duration range 0.05 ms to 10 ms and a range of peak values of 100 m/sec squared to 100 km/sec squared (pulse-duration dependent). The method allows the shock sensitivity to be obtained.

SANS 16063-21:2008 / ISO 16063-21:2003

Methods	for the calibration of vibration and shock transducers Part 21: Vibra	tion calibration by comparison to a reference transducer
Ed 1.00	A4 36p EN	Gr 11
	PDF 36p EN	17 160

Describes the calibration of rectilinear vibration transducers by comparison. Although it mainly describes calibration using direct comparison to a standard calibrated by primary methods, the methods described can be applied between other levels in the calibration hierarchy.

SANS 16063-22:2008 / ISO 16063-22:2005

Methods for the calibration of vibration and shock transducers Part 22: Shock calibration by comparison to a reference transducer Ed 1 00 A4 285 EN

_u 1.00	PDF 28p EN
Sponifics	the instrumentation and precedures to be used for see

Specifies the instrumentation and procedures to be used for secondary shock calibration of rectilinear transducers, using a reference acceleration, velocity or force measurement for the time-dependent shock. The methods are applicable in a shock pulse duration range of 0.05 ms to 8.0 ms, and a dynamic range (peak value) of 100 m/s squared to 100 km/s squared (time-dependent). The methods allow the transducer shock sensitivity (i.e. the relationship between the peak values of the transducer output quantity and the acceleration) to be obtained.

SANS 16063-31:2009 / ISO 16063-31:2009

Methods for the calibration of vibration and shock transducers Part 31: Testing of transverse vibration sensitivity

Ed 1.00	A4 23p EN	Gr 10
	PDF 23p EN	17.160

Specifies details of the instrumentation and methods to be used for transverse vibration sensitivity testing. Applies to rectilinear velocity and acceleration transducers.

SANS 16085:2007 / ISO/IEC 16085:2006

Systems	and software engineering	- Life cycle processes - Risk management	
Ed 1.00	A4 45p EN	(Gr 12
	PDF 45p EN	3	35.080

Specifies a process for the management of risk during systems or software acquisition, supply, development, operations and maintenance.

SANS 16132:2010 / ISO 16132:2004

Ductile iron pipes and fittings - Seal coats for cement mortar linings

Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	23.040.10; 77.140.75

Specifies the requirements for seal coatings for factory application to the surfaces of cement mortar linings, which are factory applied to the interior of ductile iron pipes and fittings.

SANS 16133:2003 / ISO 6133:1998 (2009-03-27)

Rubber and plastics - Analysis of multipeak traces obtained in determinations of tear strength and adhesion strength

Ed 1.00 A4 7p EN PDF 7p EN

Specifies five methods of calculating, after testing, the tear strength and adhesion strength of vulcanized rubber or fabrics coated with or adhered to rubber or plastics. The results are calculated by determining the median and range of peak values from a graphical plot of force versus time recorded during the test.

SANS 16135:2009 / ISO 16135:2006

Industri	al valves - Ball valves of thermoplastics materials	
Ed 1.00	A4 25p EN	Gr
	PDF 25n FN	00

Specifies requirements for the design, functional characteristics and manufacture of ball valves made of thermoplastics materials.

Gr 6 83.060; 83.080.01

10

23.060.20

Gr 10 17.160

àr 9

17.160

Gr 11

SANS 16147:2008 / ISO 16147:2002

Small craft - Inboard diesel engines - Engine-mounted fuel and electrical components

Ed 1.00 A4 9p EN PDF 9p EN

Fd

Gr 6 47.020.20; 47.080

Establishes requirements for the design and installation of engine-mounted fuel and electrical components on diesel inboard-mounted engines for minimizing fuel leakage and the risk or the spread (or both) of fire on small craft of hull length up to 24 m.

SANS 16201:2009 / ISO 16201:2006

Technical aids for persons with disability - Environmental control systems for daily living

1.00	A4 18p EN	Gr 8
	PDF 18p EN	11.180.01

Specifies functional and technical requirements and test methods for environmental control systems intended for use to alleviate or compensate for a disability. It does not cover target devices.

SANS 16269-6:2006 / ISO 16269-6:2005 (2012-06-08)

Statistical interpretation of data Part 6: Determination of statistical tolerance intervals

Ed 1.00	A4 37p EN	Gr 11
	PDF 37p EN	03.120.30

Describes procedures for establishing tolerance intervals which include a specified proportion of the population with a specified confidence level. Provides both one-sided and two-sided statistical tolerance intervals, a one-sided interval having either an upper or a lower limit while a two-sided interval has both upper and lower limits. Provides two methods: a parametric method when the characteristic being studied has a normal distribution and a distribution-free method when nothing is known about the distribution except that it is continuous.

SANS 16269-7:2010 / ISO 16269-7:2001

Statistical interpretation of data Part 7: Median - Estimation and confidence intervals

Ed 1.00	A4 16p EN	Gr 8
	PDF 16p EN	03.120.30; 07.020

Specifies the procedures for establishing a point estimate and confidence intervals for the median of any continuous probability distribution of a population, based on a random sample size from the population.

SANS 16269-8:2010 / ISO 16269-8:2004

Statistic		
Ed 1.00	A4 115p EN	Gr 16
	PDF 115p EN	03.120.30; 07.020

Specifies methods of determining prediction intervals for a single continuously distributed variable.

SANS 16326:2012 / ISO/IEC/IEEE 16326:2009

Systems and software engineering - Life cycle processes - Project management

Ed 2.00	A4 41p EN	Gr 12
	PDF 41p EN	35.080

Provides normative content specifications for project management plans covering software projects and software-intensive system projects.

SANS 16368:2007 / ISO 16368:2003

Mobile e	levating work platforms	 Design calculations, 	safety requirements	and test methods
				C+ 15

Eu	1.00	A4 0/P EN		GIID
		PDF 87p EN		53.020.99

Specifies technical safety requirements and measures for all types and sizes of mobile elevating work platforms (MEWPs) intended to move persons to working positions. Applicable to the structural design calculations and stability criteria, construction, safety examinations and security tests before MEWPs are put into service. Identifies the hazards arising from the use of MEWPs and describes methods for the elimination or reduction of these hazards.

SANS 16388:2008 / ISO/IEC 16388:2007

Information technology - Automatic identification and data capture techniques - Code 39 bar code symbology specification

Ed 1.00 A4 25p EN PDF 25p EN

Specifies the requirements for the bar code symbology known as Code 39; it specifies Code 39 symbology characteristics, data character encodation, dimensions, tolerances, decoding algorithms and application-defined parameters. It also specifies the Symbology Identifier prefix strings for Code 39 symbols.

SANS 16390:2008 / ISO/IEC 16390:2007

(SABS ISO/IEC 16390)

Information technology - Automatic identification and data capture techniques - Interleaved 2 of 5 bar code symbology specification Ed 200 A404~ EN Gr 10

zu 2.00	A4 Z4P EN		
	PDF 24n FN		

Specifies the requirements for the bar code symbology known as Interleaved 2 of 5. Specifies Interleaved 2 of 5 symbology characteristics, data character encodation, dimensions, tolerances, decoding algorithms and parameters to be defined by applications. It specifies the symbology identifier prefix strings for Interleaved 2 of 5 symbols.

> Standards South Africa Catalogue 2013 NUM - 591

01.080.50; 35.040

01.080.50; 35.040

Gr 10

Ed 1.00	A4 39p EN	Gr 11
	PDF 39p EN	01.040.91; 91.040.01
Gives ter	ms and definitions for use in the desigr	of energy-efficient buildings. Applies to new buildings and retrofitted buildings.
SANS 16	938-1:2013 / ISO 16938-1:2008	
Building	construction - Determination of the	aining of porous substrates by sealants used in joints Part 1: Test with compression
Ed 1.00 /	A4 13p EN	Gr 7
	PDF 13p EN	91.100.50
Specifies building of	a method for determining the staining construction.	porous substrates (for example marble, limestone, sandstone or granite) by sealants used in
	St	ndards South Africa Catalogue 2013
		NUM - 592

Gr 11

23.040.20; 23.040.45; 91.140.60 Specifies the general aspects of pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-0), for piping systems intended to be used underground or above-ground where not exposed to direct sunlight, for water, mains and services, pressurized sewer systems and irrigation systems. SANS 16590:2000 / ISO 16590:2000 (2012-03-23) (SABS ISO 16590) Water quality - Determination of mercury - Methods involving enrichment by amalgamation Ed 1.00 A4 26p EN Gr 10 PDF 26p EN 13.060.50 Specifies two methods for the determination of mercury, one using tin(II) chloride and the other sodium tetrahydroborate as reducing agent. The

Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure -

methods are suitable for the determination of mercury in water, for example in ground, surface or waste water, in the concentration range 0,01 µg/L to 1 µg/L. Higher concentrations may be determined if the water sample is diluted. Am 1(National), 2006-11-17

SANS 16642:2006 / ISO 16642:2003 (2012-06-22) Computer applications in terminology - Terminological markup framework Ed 1.00 A4 56p EN Gr 13 PDF 56p EN 01.020; 35.240.30

Specifies a framework designed to provide guidance on the basic principles for representing data recorded in terminological data collections. This framework includes a meta-model and methods for describing specific terminological markup languages (TMLs) expressed in XML. The mechanisms or implementing constraints in a TML are defined in this standard, but not the specific constraints for individual TMLs. Defines the conditions that allow the data expressed in one TML to be mapped onto another TML and specifies a generic mapping tool (GMT) for this purpose. Describes a generic model for describing linguistic data.

SANS 16649-3:2008 / ISO/TS 16649-3:2005

SANS 16422:2007 / ISO 16422:2006 (2012-06-15)

Specifications Ed 1.00 A4 31p EN

PDF 31p EN

Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of beta-glucuronidase-positive Escherichi
coli Part 3: Most probable number technique using 5-bromo-4-chloro-3-indolyl-beta-D-glucuronide

Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	07.100.30

Specifies a horizontal method for the enumeration of ß-glucuronidase-positive Escherichia coli, by means of the liquid-medium culture technique and calculation of the most probable number (MPN) after incubation at 37 °C, then at 44 °C. It is applicable to products intended for human consumption and the feeding of animals, and to environmental samples in the area of food production and food handling.

SANS 16654:2003 / ISO 16654:2001 (2008-04-04)

Microbiology of food and animal feeding stuffs - Horizontal method for the detection of Escherichia coli O157

Ed	1.00	A4 17p EN
		PDF 17p EN

Specifies a horizontal method for the detection of Escherichia coli serogroup O157. Is applicable to products intended for human consumption or for animal feeding stuffs.

SANS 16714:2009 / ISO 16714:2008

Earth-moving machinery - Recyclability and recoverability - Terminology and calculation method

	-	-	-	-	-	
Ed 1.00	A4 15p EN					C
	PDF 15p EN					5

Specifies a method, and defines related terms, for calculating the recyclability rate and the recoverability rate of earth-moving machinery as defined in ISO 6165 (published in South Africa as an identical adoption under the designation SANS 261), each expressed as a percentage by mass (mass fraction in percent) of the machine, which can potentially be recycled, reused or both (recyclability rate), or recovered, reused or both (recoverability rate)

SANS 16818:2010 / ISO 16818:2008

SANS 16938-1:20

Building	construction - Determination of the staining of porous substrates by	v sealants used in joints Part 1: Test with compression
Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	91.100.50

Gr 8 53.100

Gr 8 07.100.30

SANS 16938-2:2012 / ISO 16938-2:2008 Building construction - Determination of the staining of porous substrates by compression	/ sealants used in joints Part 2: Test without
Ed 1.00 A4 12p EN PDF 12p EN	Gr 7 91.100.50
Specifies a method for determining the staining of porous substrates (e.g. marble, construction.	limestone, sandstone, or granite) by sealants used in building
SANS 16949:2009 / ISO/TS 16949:2009	
Quality management systems - Particular requirements for the application of service part organizations	ISO 9001:2008 for automotive production and relevant
Ed 3.00 A4 52p EN	Gr 13
PDF 52p EN	03.120.10; 43.020
Defines, in conjunction with ISO 9001:2008 (published in South Africa as an identic management system requirements for the design and development, production and products. It is applicable to sites of the organization where customer-specified part Supporting functions, whether on-site or remote (such as design centres, corporate audit as they support the site, but cannot obtain stand-alone certification to this doo chain.	cal adoption under the designation SANS 9001), the quality d, when relevant, installation and service of automotive-related s, for production or service (or both), are manufactured. a headquarters and distribution centres), form part of the site cument. It can be applied throughout the automotive supply
SANS 17000:2005 / ISO/IEC 17000:2004 (2011-01-28) Conformity assessment - Vocabulary and general principles	
Ed 1.00 A4 39p EN	Gr 11
PDF 39p EN	01.040.03; 03.120.20
Specifies general terms and definitions relating to conformity assessment, includin use of conformity assessment to facilitate trade.	g the accreditation of conformity assessment bodies, and to the
SANS 17007:2009 / ISO 17007:2009	
Conformity assessment - Guidance for drafting normative documents suitabl	e for use for conformity assessment
PDF 20p EN	Gr 9 03 120 20
Provides principles and guidance for developing normative documents that contain fulfil, and for conformity assessment systems that can be employed when demonst specified requirements.	specified requirements for objects of conformity assessment to trating whether an object of conformity assessment fulfils
SANS 17020:2012 / ISO/IEC 17020:2012 (SABS ISO/IEC 17020)	
Conformity assessment - Requirements for the operation of various types of	bodies performing inspection
Ed 2.00 A4 25p EN	Gr 10
PDF 25p EN	03.120.20
Contains requirements for the competence of bodies performing inspection and for	the impartiality and consistency of their inspection activities.
SANS 17021:2011 / ISO/IEC 17021:2011	lection of monogoment systems
Ed 2 00 A4 53b EN	Gr 13
PDF 53p EN	03.120.20
Contains principles and requirements for the competence, consistency and imparti types (e.g. quality management systems or environmental management systems)	ality of the audit and certification of management systems of all and for bodies providing these activities.
SANS 17024:2012 / ISO/IEC 17024:2012	
Conformity assessment - General requirements for bodies operating certification	tion of persons
Ed 2.00 A4 28p EN	Gr 10
	03.120.20
of a certification scheme for persons.	requirements, and includes the development and maintenance
SANS 17025:2005 / ISO/IEC 17025:2005 (2012-09-14) (SABS ISO/IEC 17025)	
General requirements for the competence of testing and calibration laborator	ries
Ed 2.00 A4 35p EN PDF 35p EN	Gr 11 03 120 20
Specifies the general requirements for the competence to carry out tests and/or ca	librations including sampling. It covers testing and calibration
performed using standard methods, non-standard methods, and laboratory-develop and/or calibrations. These include, for example, first-, second- and third-party labor	ped methods.Applicable to all organizations performing tests ratories, and laboratories where testing and/or calibration forms

and/or calibrations. These include, for example, first-, second- and third-party laboratories, and laboratories where testing and/or calibration forms part of inspection and product certification. This standard is applicable to all laboratories regardless of the number of personnel or the extent of the scope of testing and/or calibration activities. Cor 1(International), 2007-06-29 Contains requirements for the competence, consistent operation and impartiality of product, process and service certification bodies.

SANS 17075:2010 / ISO 17075:2007

Leather -	· Chemical tests - Determination of chromium (VI) content	
Ed 1 00	A4 14n FN	Gr 7

Eu	1.00	A4 14p EN	Gr 7
		PDF 14p EN	59.140.30

Specifies a method for determining chromium (VI) in solutions leached from leather under defined conditions. The method is suitable to quantify the chromium (VI) content in leathers down to 3 mg/kg.

SANS 17090-1:2009 / ISO 17090-1:2008

Health informatics - Public key infrastructure Part 1: Overview of digital certificate services

		-	-	
Ed 2.00	A4 43p EN			Gr 12
	PDF 43p EN			35.240.80

Defines the basic concepts underlying use of digital certificates in healthcare and provides a scheme of interoperability requirements to establish a digital certificate-enabled secure communication of health information. It also identifies the major stakeholders who are communicating healthrelated information, as well as the main security services required for health communication where digital certificates may be required. It gives a brief introduction to public key cryptography and the basic components needed to deploy digital certificates in healthcare. It further introduces different types of digital certificate.

SANS 17090-2:2009 / ISO 17090-2:2008

lealth informatics - Public key infrastructure Part 2: Certificate profile			
Ed 2.00	A4 34p EN	Gr 11	
	PDF 34p EN	35.240.80	

Specifies the certificate profiles required to interchange healthcare information within a single organization, between different organizations and across jurisdictional boundaries. It details the use made of digital certificates in the health industry and focuses, in particular, on specific healthcare issues relating to certificate profiles.

SANS 17040:2005 / ISO/IEC 17040:2005 (2011-02-11) Conformity assessment - General requirements for peer assessment of conformity assessment bodies and accreditation bodies

	00.120.20
Specifies general requirements for the peer assessment process to be carrie assessment bodies. Addresses the structure and operation of the agreement	d out by agreement groups of accreditation bodies or conformity group only in so far as they relate to the peer assessment process.

SANS 17043:2010 / ISO/IEC 17043:2010

Ed 1.00 A4 20p EN

PDF 20p EN

Conformity assessment - General requirements for proficiency testing

Ed 1.00	A4 46p EN	Gr 12
	PDF 46p EN	03.120.20

Specifies general requirements for the competence of providers of proficiency testing schemes and for the development and operation of proficiency testing schemes. These requirements are intended to be general for all types of proficiency testing schemes, and they can be used as a basis for specific technical requirements for particular fields of application.

NUMERICAL LIST OF STANDARDS

SANS 17050-1:2013 / ISO/IEC 17050-1:2004

Conform	ity assessment - Supplier's declaration of conformity Part 1:	General requirements
Ed 1.00	A4 11p EN	Gr 7
	PDF 11p EN	03.120.20
Coocifico	apparal requirements for a suppliar's declaration of conformity in	access where it is desire

Specifies general requirements for a supplier's declaration of conformity in cases where it is desirable, or necessary, that conformity of an object to the specified requirements be attested, irrespective of the sector involved. The object of a declaration of conformity can be a product, process, management system, person or body.

SANS 17050-2:2013 / ISO/IEC 17050-2:2004

Conformity assessment - Supplier's declaration of conformity Part 2: Supporting documentation

Ed 1.00	A4 /p EN	Gr 6
	PDF 7p EN	03.120.20
Specifies	s general requirements for supporting documentation to substantiate a sup	plier's decla

claration of conformity, as described in ISO/IEC 17050-1 (published in South Africa as an identical adoption under the designation SANS 17050-1). The object of a declaration of conformity can be a product, process, management system, person or body.

SANS 17065:2012 / ISO/IEC 17065:2012

Conformity assessment	- Requirements for	bodies certifying products	, processes and services

Ed 1.00	A4 34p EN	Gr 11
	PDF 34p EN	03.120.20

03 120 20

Gr 9

o EN	Gr 8
7p EN	13.020.01; 83.080.01
ture for inclusion of environmental aspects in sta rironmental impact without detracting from the pri	ndards for plastics products. Proposes an approach mary purpose of ensuring adequate fitness for use of mary purpose of ensuring adequate fitness for mary purpose of ensuring adequate fitness for mary purpose of ensuring adequate fitness for mary purpose of mary purpose of
Standards South Al	frica Catalogue 2013 1 - 595

SANS 17090-3:2009 / ISO 17090-3:2008

Health informatics - Public key infrastructure Part 3: Policy management of certification authority

Ed 2.00 A4 43p EN PDF 43p EN

Gives guidelines for certificate management issues involved in deploying digital certificates in healthcare. It specifies a structure and minimum requirements for certificate policies, as well as a structure for associated certification practice statements. It also identifies the principles needed in a healthcare security policy for cross-border communication and defines the minimum levels of security required, concentrating on aspects unique to healthcare.

SANS 17117:2003 / ISO/TS 17117:2002 (2009-10-02) Health Informatics - Controlled health terminology - Structure and high-level indicators

Ed 1.00 A4 30p EN PDF 30p EN

Specifies the principal ideas which are necessary and sufficient to assign value to a controlled health terminology. It is applicable to all areas of healthcare about which information is kept or utilized.

SANS 17229:2009 / ISO 17229:2002

Leather - Physical and mechanical tests - Determination of water vapo	ur absorption
Ed 1.00 A4 8p EN PDF 8p EN	Gr 6 59.140.30
Specifies a method for determining the water vapour absorption of leather. leathers intended for footwear uppers and linings.	The method is applicable for all leathers but is particularly relevant for
SANS 17235:2009 / ISO 17235:2002 Leather - Physical and mechanical tests - Determination of softness	

Ed 1.00 A4 9p EN Gr 6 PDF 9p EN 59.140.30

Specifies a non destructive method for determining the softness of leather. The method is applicable to all non-rigid leathers e.g. Shoe upper leather, upholstery leather, leathergoods leather and apparel leather.

SANS 17236:2011 / ISO 17236:2002

Leather -	Physical and mechanical tests - Determination of extension set	
Ed 1.00	A4 8p EN	Gr 6
	PDF 8p EN	59.140.30

Specifies a method for determining the extension set of leather. It is intended for use on upholstery leather but is applicable to all flexible leathers.

SANS 17246:2011 / ISO 17246:2010

Coal - Pr	roximate analysis	
Ed 2.00	A4 10p EN	Gr 6
	PDF 10p EN	73.040

Establishes a practice for the proximate analysis of coal and is intended forgeneral utilization by the coal industry to provide a basis for comparison of coals

SANS 17247:2006 / ISO 17247:2005 (2012-04-05)

Coal - Ul	timate analysis	
Ed 1.00	A4 9p EN	Gr 6
	PDF 9p EN	73.040

Establishes a practice for the ultimate analysis of coal and is intended for general utilization by the coal industry to provide a basis for comparison of coals.

Cor 1(International), 2006-11-24

SANS 17381:2008 / ISO 17381:2003

Water quality - Selection and application of ready-to-use test kit methods in water analysis Ed 1.00 A4 22p EN Gr 9 PDF 22p EN 13.060.45

Gives guidance on the selection, and requirements for the application, of ready-to-use methods in water analysis. Deals with the practical aspects concerning quantitative ready-to-use methods. Statistical evaluations for establishing the equivalence of ready-to-use methods and standard methods are only mentioned briefly. It also lists requirements for the producers of these tests, concerning safety and environmental aspects as well as handling and a description of ready-to-use methods.

SANS 17422:201

Plastics - Envir

Ed 1.00	A4 17p EN	Gr	8
	PDF 17p EN	13.0	20.01; 83.08

that is directed at minimizing Provides a struc any adverse env of the products under consideration.

35.240.80

Gr 12

Gr 10

01.040.35; 35.240.80

SANS 17484-1:2010 / ISO 17484-1:2006 Plastics piping systems - Multilayer pipe systems for indoor gas installations with a maximum operating pressure up to and

including 5 bar (500 kPa) Part 1: Specifications for systems

Ed 1.00 A4 40p EN Gr 11 PDF 40p EN 23.040.20; 23.040.45; 91.140.40 Specifies the general requirements and the performance requirements for multilayer pipe systems based on pipes, fittings and their joints intended to be used for gas supply within buildings. Cor 1(International), 2010-02-01 SANS 17495:2002 / ISO 17495:2001 (2008-02-22) Water guality - Determination of selected nitrophenols - Method by solid-phase extraction and gas chromatography with mass spectrometric detection Ed 1.00 A4 23p EN Gr 10 PDF 23p EN 13.060.50 Specifies a method for the determination of selected nitrophenols (see Table 1) in drinking, ground and surface water in mass contrentrations > 0,5

μg/l

SATS 17575-1:2012 / ISO TS 17575-1:2010

Electronic fee collection -	Application interface definition for	r autonomous systems Part 1: Charging
Ed 1.00 A4 32p EN		Gr 11

EU 1.00	A4 52P EN
	PDF 32n FN

Defines the format and semantic of the data exchange between a Front End and corresponding Back Ends in autonomous toll regimes. The data defined are used to generate charge reports that contain information about the road usage of a vehicle for certain time intervals. The contents of these charge reports might vary between toll regimes. A toll regime comprises a set of rules for charging, including the charged network, the charging principles, the liable vehicles and a definition of the required contents of the charge report.

SATS 17575-2:2012 / ISO TS 17575-2:2010

Electronic fee collection - Application interface definition for autonomous systems Part 2: Communication and connection to the lower layers Gr 11

Ed 1.00	A4 34p EN	Gr 11
	PDF 34p EN	03.220.20; 35.240.60

Defines how to convey all or parts of the data element structure over any communication stack and media suitable for this application. Focussed on mobile communication links. Wired links use the same methodology.

SANS 17577:2010 / ISO 17577:2006

Steel - Ultrasonic testing for steel flat products of thickness equal to or greater than 6 mm

Ed 1.00 A4 17p EN PDF 17p EN

Specifies a method for the automated and/or manual ultrasonic testing of uncoated steel flat products for internal discontinuities by the reflection method. It is applicable non-alloyed or alloyed steel flat products, in a nominal thickness range of 6 mm to 200 mm. However, this standard may be applied to austenitic and austenitic-ferritic steels, provided that the differrence between the amplitude of the noise and that of the echo detection threshold is sufficient for the limit fixed. Testing of flat products, of thickness less than and over 200 mm, may be the subject of special agreements between parties concerned.

SANS 17604:2009 / ISO 17604:2003

Microbiology of food and animal feeding stuffs - Carcass sampling for microbiological analysis

Ea 1.00	A4 19p EN	Gr 9
	PDF 19p EN	07.100.30

Specifies sampling methods for the detection and enumeration of microorganisms on the carcass surface of freshly slaughtered meat animals. It includes the use of destructive and non-destructive techniques depending on the reason for the sample collection, and does not consider the use of sampling plans.

Am 1(International), 2009-11-06

SANS 17640:2012 / ISO 17640:2010

Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment Ed 1.00 A4 30p EN Gr 10 PDF 30p EN 25.160.40

Specifies techniques for the manual ultrasonic testing of fusion- welded joints in metallic materials of thickness greater than or equal to 8 mm which exhibit low ultrasonic attenuation (especially due to scatter) at object temperatures from 0 °C to 60 °C.

SANS 17660-1:2009 / ISO 17660-1:2006

Welding	- Welding of reinforcing steel Part 1: Load-bearing welded joints	
Ed 1.00	A4 44p EN	Gr 12
	PDF 44p EN	25.160.10

Specifies requirements for materials, design and execution of welded joints, welding personnel, quality requirements, examination and testing. Is applicable to welding of weldable reinforcing steel and stainless reinforcing steel of load-bearing joints, in workshops or on site.

77.040.20; 77.140.50

Gr 8

03.220.20; 35.240.60

Standards South Africa Catalogue 2013 NUM - 597

Ed 1 00 A4 47p EN	Gr 12
PDF 47p EN	11 080 01
Specifies requirements for the developm be applicable to other health care product mixtures, water spray and water immersi	ent, validation and routine control of a moist heat sterilization process for medical devices, that can also ts. It includes saturated steam venting systems, saturated steam active air removal systems, air steam on moist heat sterilization processes.
SANS 17694:2010 / ISO 17694:2003	
Footwear - Test methods for uppers a	nd lining - Flex resistance
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	61.060
Specifies a test method for determining t end use.	he flex resistance of uppers and linings irrespective of the material in order to assess the suitability for th
SANS 17704:2010 / ISO 17704:2004	
Footwear - Test methods for uppers, I	nings and insocks - Abrasion resistance
Ed 1.00 A4 12p EN	Gr 7
_a	
PDF 12p EN	61.060
PDF 12p EN Specifies a test method for determining t to assess the suitability for the end use.	61.060 he resistance of uppers, linings and insocks irrespective of the material, to wet and dry abrasion, in orde
PDF 12p EN Specifies a test method for determining t to assess the suitability for the end use. SANS 17708:2010 / ISO 17708:2003	61.060 he resistance of uppers, linings and insocks irrespective of the material, to wet and dry abrasion, in orde
PDF 12p EN Specifies a test method for determining t to assess the suitability for the end use. SANS 17708:2010 / ISO 17708:2003 Footwear - Test methods for whole sh	61.060 he resistance of uppers, linings and insocks irrespective of the material, to wet and dry abrasion, in orde oe - Upper sole adhesion
PDF 12p EN Specifies a test method for determining t to assess the suitability for the end use. SANS 17708:2010 / ISO 17708:2003 Footwear - Test methods for whole sh Ed 1.00 A4 16p EN	61.060 he resistance of uppers, linings and insocks irrespective of the material, to wet and dry abrasion, in orde oe - Upper sole adhesion Gr 8
PDF 12p EN Specifies a test method for determining t to assess the suitability for the end use. SANS 17708:2010 / ISO 17708:2003 Footwear - Test methods for whole sh Ed 1.00 A4 16p EN PDF 16p EN	61.060 he resistance of uppers, linings and insocks irrespective of the material, to wet and dry abrasion, in orde oe - Upper sole adhesion Gr 8 61.060
PDF 12p EN Specifies a test method for determining t to assess the suitability for the end use. SANS 17708:2010 / ISO 17708:2003 Footwear - Test methods for whole sh Ed 1.00 A4 16p EN PDF 16p EN Describes a test method for the determin outsole or to cause tear failure of the upp	61.060 he resistance of uppers, linings and insocks irrespective of the material, to wet and dry abrasion, in orde oe - Upper sole adhesion Gr 8 61.060 ation of the resistance to separation of the upper from the outsole or to separate adjacent layers of the per sole or the sole is measured.
PDF 12p EN Specifies a test method for determining t to assess the suitability for the end use. SANS 17708:2010 / ISO 17708:2003 Footwear - Test methods for whole sh Ed 1.00 A4 16p EN PDF 16p EN Describes a test method for the determin outsole or to cause tear failure of the upp SANS 17933:2010 / ISO 17933:2000	61.060 he resistance of uppers, linings and insocks irrespective of the material, to wet and dry abrasion, in orde oe - Upper sole adhesion Gr 8 61.060 ation of the resistance to separation of the upper from the outsole or to separate adjacent layers of the her sole or the sole is measured.
PDF 12p EN Specifies a test method for determining t to assess the suitability for the end use. SANS 17708:2010 / ISO 17708:2003 Footwear - Test methods for whole sh Ed 1.00 A4 16p EN PDF 16p EN Describes a test method for the determin outsole or to cause tear failure of the upp SANS 17933:2010 / ISO 17933:2000 GEDI - Generic Electronic Document I	61.060 he resistance of uppers, linings and insocks irrespective of the material, to wet and dry abrasion, in orde oe - Upper sole adhesion Gr 8 61.060 ation of the resistance to separation of the upper from the outsole or to separate adjacent layers of the her sole or the sole is measured.
PDF 12p EN Specifies a test method for determining t to assess the suitability for the end use. SANS 17708:2010 / ISO 17708:2003 Footwear - Test methods for whole sh Ed 1.00 A4 16p EN PDF 16p EN Describes a test method for the determir outsole or to cause tear failure of the upp SANS 17933:2010 / ISO 17933:2000 GEDI - Generic Electronic Document I Ed 1.00 A4 48p EN	61.060 he resistance of uppers, linings and insocks irrespective of the material, to wet and dry abrasion, in orde oe - Upper sole adhesion Gr 8 61.060 ation of the resistance to separation of the upper from the outsole or to separate adjacent layers of the er sole or the sole is measured.

SANS 18000-1:2009 / ISO/IEC 18000-1:2008

Information technology - Radio frequency identification for item management Part 1: Reference architecture and definition of parameters to be standardized

Ed 2.00 A4 55p EN Gr 14 PDF 55p EN 35.040

Describes the generic architecture concepts in which item identification may commonly be required within the logistics and supply chain and defines the parameters to be determined in any standardized air interface definition in the ISO/IEC 18000 series (published in South Africa as identical adoptions under the designation SANS 18000). The subsequent parts of ISO/IEC 18000 provide the specific values for definition of the air interface parameters for a particular frequency or type of air interface, from which compliance (or non-compliance) with this part of SANS 18000 can be established. Provides a description of example conceptual architectures in which these air interfaces are often to be utilized.

SANS 17660-2:2009 / ISO 17660-2:2006

Welding - Welding of reinforcing steel Part 2: Non-load-bearing welded joints

Ed 1.00 A4 23p EN

PDF 23p EN

Specifies requirements for materials, design and execution of welded joints, welding personnel, quality requirements, examination and testing. Is applicable to the welding of weldable reinforcing steel and stainless reinforcing steel of non load-bearing welded joints, in workshops or on site.

SANS 17664:2007 / ISO 17664:2004 (2013-01-25)

Sterilization of medical devices - Information to be provided by the manufacturer for the processing of resterilizable medical devices

Ed 1.00	A4 25p EN	Gr 10
	PDF 25p EN	11.080.01

Specifies the information to be provided by the medical device manufacturer on the processing of medical devices claimed to be re-sterilizable and medical devices intended to be sterilized by the processor. It specifies requirements for the information to be provided by the medical device manufacturer, so that the medical device can be processed safely and will continue to meet its performance specification.

SANS 17665-1:2007 / ISO 17665-1:2006 (2013-01-25)

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Sterilization of health care products - Moist heat F	Part 1: Requirements for the development,	validation and routine control of a
sterilization process for medical devices		

Gr 10

NUMERICAL LIST OF STANDARDS

25.160.10

35.040

35.040

SANS 18000-2:2012 / ISO/IEC 18000-2:2009

Information technology - Radio frequency ide	entification for item management Part 2: Parameters for air interface communication	iS
below 135 kHz		
Ed 2 00 A4 88p EN	Gr 15	

Ed 2.00 A4 88p EN PDF 88p EN

Defines the air interface for radio frequency identification (RFID) devices operating below 135 kHz. It also defines the physical layer used for communication between the interrogator and the tag and the communications protocol used in the air interface.

SANS 18000-3:2009 / ISO/IEC 18000-3:2008

Information technology - Radio frequency identification for item management Part 3: Parameters for air interface communications at 13,56 MHz Ed 2.00 A4 131p EN Gr 17

Ed 2.00 A4 131p EN PDF 131p EN

Provides physical layer, collision management system and protocol values for radio frequency identification (RFID) systems for item identification in accordance with the requirements of ISO 18000-1 (published in South Africa as an identical adoption under the designation SANS 18000-1). Relates solely to systems operating at 13,56 MHz. Has two modes of operation, intended to address different applications that are not interoperable and are non-interfering. Shown in the parameter tables are the detailed technical differences between the modes.

SANS 18000-4:2009 / ISO/IEC 18000-4:2008

2,45 GHz	nnology - Radio frequency identification for item management	Part 4: Parameters for air interface communications at
Ed 2.00 A4 105	5p EN	Gr 16
PDF 1	05p EN	35.040
Defines the air ir used in item mai	nterface for radio frequency identification (RFID) devices operating nagement applications. Provides a common technical specification	in the 2,45 GHz Industrial, Scientific, and Medical (ISM) band for RFID devices. Defines communication link parameters for

used in item management applications. Provides a common technical specification for RFID devices. Defines communication link parameters for technical attributes. Further defines the communications protocol used in the air interface. Shows detailed technical differences of the passive tag and battery-assisted tag modes in the parameter tables.

SANS 18000-6:2012 / ISO/IEC 18000-6:2010

Information technology - Radio frequency identification for item management Part 6: Parameters for air interface communications at 860 MHz to 960 MHz

2.00	A4 469p EN	Gr 25
	PDF 469p EN	35.040

Defines the air interface for radio frequency identification (RFID) devices operating in the 860 MHz to 960 MHz Industrial, Scientific, and Medical (ISM) band used in item management applications. It also defines the forward and return link parameters for technical attributes and the communications protocol used in the air interface.

SANS 18000-7:2008 / ISO/IEC 18000-7:2008

Information technology - Radio frequency identification for item management Part 7: Parameters for active air interface communications at 433 MHz

Ed 1.0	0 A4 54p EN	Gr 13
	PDF 54p EN	35.040

Defines the air interface for radio-frequency identification (RFID) devices operating as an active RF Tag in the 433 MHz band used in item management applications. Its purpose is to provide a common technical specification for RFID devices that may be used by ISO committees developing RFID application standards. Is intended to allow for compatibility and to encourage inter-operability of products for the growing RFID market in the international marketplace. Defines the forward and return link parameters for technical attributes including, but not limited to, operating frequency, operating channel accuracy, occupied channel bandwidth, maximum power, spurious emissions, modulation, duty cycle, data coding, bit rate, bit rate accuracy, bit transmission order, and, where appropriate, operating channels, frequency hop rate, hop sequence, spreading sequence, and chip rate. Defines the communications protocol used in the air interface.

SANS OHSAS 18001:2011 / BS OHSAS 18001:2007

Occupational health and safety management systems - Requirements

Ed 1.00 A4 33p EN PDF 33p EN

Ed

Specifies requirements for an occupational health and safety (OH&S) management system, to enable an organization to control its OH&S risks and improve its OH&S performance. Does not state specific OH&S performance criteria. Does not give detailed specifications for the design of a management system.

Gr 11

SANS 18001:2008 / ISO/IEC TR 18001:2004

Information technology - Padia	froquonov idontification	for itom managomont -	Application roc	uuiromonte profiloa
intormation technology - nauto	nequency identification	I IUI ILEIII IIIailayeilleill	Αρριισατιστιτές	

Ed 1.00	A4 96p EN	Gr 15
	PDF 96p EN	35.040

Provides an explanation of some of the issues associated with the parameters of distance and number of tags within an RFID interrogator's fieldof-view, a means by which classification of RF tags may be accomplished based on the application requirements defined in the survey results and recommendations for areas of standardization to the parent committee (ISO/IEC JTC 1/SC 31/WG 4) based on the results of these surveys.
Standards South Africa Catalogue 2013 NUM - 599

NUMERICAL LIST OF STANDARDS

Gr 15

SANS OHSAS 18002:2011 / BS OHSAS 18002:2008

Occupational health and safety management systems - Guidelines for the implementation of OHSAS 18001:2007

Ed 1.00 A4 89p EN PDF 89p EN

Provides generic advice on the application of OHSAS 18001:2007 (published in South Africa as an identical adoption under the designation SANS OHSAS 18001). Explains the underlying principles of OHSAS 18001 and describes the intent, typical inputs, processes and typical outputs, in accordance with each requirement of OHSAS 18001.

SANS 18004:2008 / ISO/IEC 18004:2006

Information technology - Automatic identification and data capture techniques - QR Code 2005 bar code symbology specification

Ed 1.00 A4 123p EN	Gr 16
PDF 123p EN	01.080.50; 35.040

Defines the requirements for the symbology known as QR Code 2005. It specifies the QR Code 2005 symbology characteristics, data character encoding methods, symbol formats, dimensional characteristics, error correction rules, reference decoding algorithm, production quality requirements, and user-selectable application parameters, and lists in an informative annex the features of QR Code Model 1 symbols which differ from QR Code 2005.

SANS 18013-1:2007 / ISO/IEC 18013-1:2005 (2011-12-15)

Informat	ion technology - Personal identification - ISO-compliant driving licer	nce Part 1: Physical characteristics and basic data set
Ed 1.00	A4 82p EN	Gr 15
	PDF 82p EN	35 240 15

Establishes the design format and data content of an ISO-compliant driving licence (IDL) with regard to the human-readable (visual) features and the placement of ISO machine-readable technologies on the card. Creates a common basis for international use and mutual recognition of the IDL without restricting individual domestic or regional driver licensing authorities from incorporating their specific needs on the IDL. Specifies an explanatory booklet with sleeve insert pocket that may optionally accompany an IDL to facilitate its world wide interpretation when used instead of an international driving permit (IDP). Comprises the minimum common mandatory data element set, common layout for ease of recognition, and minimum set of security requirements.

SANS 18013-2:2008 / ISO/IEC 18013-2:2008

Information technology - Personal identification - ISO-compliant driving licence Part 2: Machine-readable technologies

Ed 1.00	A4 96p EN	Gr 15
	PDF 96p EN	35.240.15

Establishes guidelines for the content and formatting of data stored on an ISO compliant driving licence (IDL) using machine-readable technologies. Creates a common basis for the international use of IDL data without restricting individual domestic or regional driver licensing authorities from applying their specific data policies. Specifies mandatory and optional machine-readable data, the logical data structure and encoding methods for cases where the memory capacity available to the IDL application does not exceed 5 kB, integrated circuits (contactless and those with contacts) and optical memory.

SANS 18013-3:2009 / ISO/IEC 18013-3:2009

Information technology - Personal identification - ISO-compliant driving licence Part 3: Access control, authentication and integrity validation

Ed 1.00	A4 124p EN				G
	PDF 124p EN				35

Establishes guidelines for the design format and data content of an ISO-compliant driving licence (IDL) with regard to human-readable features (SANS 18013-1:2007/ISO/IEC 18013-1:2005), machine-readable technologies (SANS 18013-2:2008/ISO/IEC 18013 2:2008), and access control, authentication and integrity validation (SANS 18013-3:2009/ISO/IEC 18013-3:2009). Creates a common basis for international use and mutual recognition of the IDL without impeding individual countries/states to apply their privacy rules and national/community/regional motor vehicle authorities in taking care of their specific needs.

SANS 18014-1:2009 / ISO/IEC 18014-1:2008 Information technology - Security techniques - Time stamping services Part 1: Framework Ed 2.00 A4 35p EN Gr 11 PDF 35p EN 35.040 Identifies the objective of a time-stamping authority. Describes a general model on which time stamping services are based. Defines time-stamping services, the basic protocols of time stamping and the protocols between the identities. SANS 18014-2:2010 / ISO/IEC 18014-2:2009 Information technology - Security techniques - Time-stamping services Part 2: Mechanisms producing independent tokens Ed 2.00 A4 33p EN Gr 11 PDF 33p EN Gr 11 PDF 33p EN 35.040

Presents a general framework for the provision of time-stamping services, which may generate, renew and verify time-stamp tokens.

SANS 18014-3:2010 / ISO/IEC 18014-3:2009

Information technology - Security techniques - Time-stamping services Part 3: Mechanisms producing linked tokens

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Ed 2.00	A4 44p EN				Gr 12
	PDF 44p EN	1			35.040

Describes a general model for time-stamping services producing linked tokens and the basic components used to construct a time-stamping service of this type, defines the data structures used to interact with a time-stamping service of this type, describes specific instances of such time-stamping services, and defines a protocol to be utilized by time-stamping services.

Gr 19 35.240.15

SANS 18018:2011 / ISO/IEC TR 18018:2010

Information technology - Systems and software engineering - Guide for configuration management tool capabilities

Ed	1.00	A4 34p EN
		PDF 34p EN

Gr 11 35.080

Gr 18

35.080

Provides guidance for configuration management tool capabilities from which systems and software development life cycle activities can be supported. Provides a set of minimum tool capabilities for configuration management that can be used as the set of criteria by a potential user during an acquisition process, or by a configuration management tool supplier to help identify desirable tool capabilities.

SANS 18019:2004 / ISO/IEC 18019:2004 (2009-02-13)

Software and system engineering - Guidelines for the design and preparation of user documentation for application software

Ed 1.00 A4 155p EN PDF 155p EN

Provides guidelines for the design and preparation of user documentation for application software. It describes how to establish what information users need, how to determine the way in which that information should be presented to the users, and how then to prepare the information and make it available. Application software includes consumer software packages, software for office applications, business software and specialist software for use by professionals. These guidelines may also be helpful for developing documentation for software engineering products and software for programmable electronic or mechanical systems. It is intended for use in all types of organizations, whether or not a dedicated documentation department is present. In all cases, it can be used as a basis for local standards and procedures.

SANS 18028-3:2009 / ISO/IEC 18028-3:2005

Information technology - Security techniques - IT network security Part 3: Securing communications between networks using security gateways

Ed 1.00	A4 29p EN	Gr 10
	PDF 29p EN	35.040

Provides an overview of different techniques of security gateways, of components and of different types of security gateway architectures. Guidelines for selection and configuration of security gateways.

SANS 18028-4:2009 / ISO/IEC 18028-4:2005

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Informat	ion technology - Security tech	nniques - IT network security Part 4: Securing remote access
Ed 1.00	A4 50p EN	Gr 12
	PDF 50p EN	35.040

Provides guidance for securely using remote access - a method to remotely connect a computer either to another computer or to a network using public networks and its implication for IT security. Introduces the different types of remote access including the protocols in use, discusses the authentication issues related to remote access and provides support when setting up remote access securely.

SANS 18028-5:2009 / ISO/IEC 18028-5:2006

Information technology - Security techniques - IT network security Part 5: Securing communications across networks using virtual private networks

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Ed 1.00	A4 28p EN	Gr 10
	PDF 28p EN	35.040

Provides detailed direction with respect to the security aspects of using Virtual Private Network (VPN) connections to inter-connect networks, and also to connect remote users to networks. Aimed at those individuals responsible for the selection and implementation of the technical controls necessary to provide network security when using VPN connections, and for the subsequent network monitoring of VPN security thereafter. Gives guidance on the selection of secure VPNs, on the implementation of secure VPNs, and on the network monitoring of VPN security. It also provides information on typical technologies and protocols used by VPNs.

SANS 18031:2007 / ISO/IEC 18031:2005

Informat	ion technology -	Security techniques - Random bit generation	
Ed 1.00	A4 133p EN PDF 133p EN		Gr 17 35.040

Specifies a conceptual model for a random bit generator for cryptographic purposes, together with the elements of this model. Also includes the description of the main elements required for a non-deterministic random bit generator, a deterministic random bit generator, their characteristics and security requirements.

SANS 18032:2007 / ISO/IEC 18032:2005 (2011-09-23)	
Information technology - Security techniques - Prime number generation	I
Ed 1.00 A4 23p EN	Gr 10
PDF 23p EN	35.040

Defines methods for generating and testing prime numbers as required in cryptographic protocols and algorithms.

SANS 18033-1:2007 / ISO/IEC 18033-1:2005 (2011-11-04)

Information technology - Security techniques - Encryption algorithms Part 1: General

Ed 1.00	A4 15p EN	0	Gr 8
	PDF 15p EN	3	5.040

Specifies the terms and definitions applied in ISO/IEC 18033; the purpose of encryption, the uses and properties of encryption; and the criteria for inclusion of encryption algorithms in ISO/IEC 18033.

Am 1(International), 2011-11-04

SANS 18033-2:2007 / ISO/IEC 18033-2:2006 (2011-09-23)	
Information technology - Security techniques - Encryption algorithms Part 2	: Asymmetric ciphers
Ed 1.00 A4 132p EN PDF 132p EN	Gr 17
Specifies the encryption systems (asymetric ciphers) for the purpose of confidenti functional interface of such a scheme, and in addition specifies a number of partic text attack.	ality of stored and transmitted data. It also specifies the cular schemes that appear to be secure against chosen cipher
SANS 18022 2:2012 / ISO/IEC 18022 2:2010	
Information technology - Security techniques - Encryption algorithms Part 3	: Block ciphers
Ed 2.00 A4 84p EN	Gr 15
PDF 84p EN	35.040
Specifies block ciphers.	
SANS 18033-4-2007 / ISO/IEC 18033-4-2005 (2011-10-28)	
Information technology - Security techniques - Encryption algorithms Part 4	: Stream ciphers
Ed 1.00 A4 50p EN	Gr 12
PDF 50p EN	35.040
Specifies the encryption systems (stream ciphers) for the purpose of confidentialit encryption mechanism that uses keystream to encrypt a plaintext in bitwise or blo Am 1(International), 2011-10-28	y of stored and transmitted data. A stream cipher is an ck-wise manner.
SANS 18043:2009 / ISO/IEC 18043:2006	
Information technology - Security techniques - Selection, deployment and op	perations of intrusion detection systems
Ed 1.00 A4 53p EN	Gr 13
PDF 53p EN	35.040
Provides guidelines to assist organizations in preparing to deploy Intrusion Detect operations of IDS. Provides background information from which these guidelines a	ion System (IDS). Addresses the selection, deployment and are derived.
SANS 18044:2008 / ISO/IEC TR 18044:2004	
Information technology - Security techniques - Information security incident	management
Ed 1.00 A4 57p EN	Gr 13
PDF 57p EN	35.040
Provides advice and guidance on information security incident management for in managers and information on the benefits from key issues associated with a good the planning and documentation required to introduce a good structured information of effective responses with extensive technical and procedural preparations.	formation security managers and for information system I information security incident management approach; describes on security incident management approach and the co-ordination
SANS 18045:2010 / ISO/IEC 18045:2008	
Information technology - Security techniques - Methodology for IT security e	evaluation
Ed 2.00 A4 294p EN	Gr 0
PDF 294p EN	35.040
Companion document to the evaluation criteria for IT security defined in ISO/IEC 3, published in South Africa as identical adoptions under the designations SANS minimum actions to be performed by an evaluator in order to conduct an ISO/IEC defined in ISO/IEC 15408.	15408 (ISO/IEC 15408-1, ISO/IEC 15408-2 and ISO/IEC 15408- 15408-1, SANS 15408-2 and SANS 15408-3). Defines the 15408 evaluation, using the criteria and evaluation evidence
SANS 18046-3:2008 / ISO/IEC 18046-3:2007	
Information technology - Radio frequency identification device performance	test methods Part 3: Test methods for tag performance
Ed 1.00 A4 63p EN	Gr 14
PDF 63p EN	35.040
Defines test methods for performance characteristics of RFID tags for item manager requirements for tags which are applicable to the selection of the devices for an a datasheet. It does not apply to testing in relation to regulatory or similar requirement	gement, and specifies the general requirements and test pplication. The summary of the test reports form a unified tag ents.
SANS 18047-2:2008 / ISO/IEC TR 18047-2:2006 Information technology - Radio frequency identification device conformance communications below 135 kHz	e test methods Part 2: Test methods for air interface
Ed 1.00 A4 36p EN	Gr 11
PDF 36p EN	35.040
Defines test methods for determining the conformance of radio frequency identific the specifications given in ISO/IEC 18000-2, but does not apply to the testing of c methods require only that the mandatory functions, and any optional functions wh	ation devices (tags and interrogators) for item management with onformity with regulatory or similar requirements. The test ich are implemented, be verified.

SANS 18047-3:2006 / ISO/IEC TR 18047-3:2004 (2013-03-15) Information technology - Radio frequency identification device conformance test methods Part 3: Test methods for air interface

communications at 13,56 MHz	
Ed 1.00 A4 40p EN	Gr 11
PDF 40p EN	35.200
Defines test methods for determining the conformance of radio-frequency identifications and the specifications given in the corresponding part of ISO/IEC 18 Africa as identical adoptions under the designation SANS 18000), but does not apprequirements. The test methods require only that the mandatory functions, and any may, in appropriate circumstances, be supplemented by further, application-specific locudes mode-specific conformance parameters including nominal values and tole functionality and inter-operability. Does not include parameters that are already includes conformance test parameters.	ation devices (RFID) (tags and interrogators) for item 8000 (parts of ISO/IEC 18000 have been published in South ply to the testing of conformity with regulatory or similar y optional functions which are implemented, be verified. This fic functionality criteria that are not available in the general case. erances, and parameters that apply directly affecting system cluded in regulatory test requirements and high-level data
SANS 18047-4:2006 / ISO/IEC TR 18047-4:2004 (2012-06-29)	
Information technology - Radio frequency identification device conformance communications at 2,45 GHz	test methods Part 4: Test methods for air interface
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	35.200
Defines test methods for determining the conformance of radio frequency identifical management with the specifications given in the corresponding part of ISO/IEC 18 Africa as identical adoptions under the designation SANS 18000), but does not apprequirements. The test methods require only that the mandatory functions, and any may, in appropriate circumstances, be supplemented by further, application-specific lincludes mode-specific conformance parameters including nominal values and tole functionality and inter-operability. Does not include parameters that are already increased in the specific conformance test parameters.	ation devices (RFID) (tags and interrogators) for item 8000 (parts of ISO/IEC 18000 have been published in South ply to the testing of conformity with regulatory or similar y optional functions which are implemented, be verified. This fic functionality criteria that are not available in the general case. erances, and parameters that apply directly affecting system cluded in regulatory test requirements, and high-level data
SANS 18173:2010 / ISO/TS 18173:2005 Non-destructive testing - General terms and definitions	
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	01.040.19; 19.100
Defines the general technical terms that are used in many nen destructive tecting	
Defines the general technical terms that are used in many non-destructive testing	disciplines.
SANS 18225:2009 / ISO 18225:2007 Plastics piping systems - Multilayer piping systems for outdoor gas installati Ed 1.00 A4 25p EN PDF 25p EN	disciplines. ions - Specifications for systems Gr 10 23.040.20: 23.040.45: 75.200
SANS 18225:2009 / ISO 18225:2007 Plastics piping systems - Multilayer piping systems for outdoor gas installati Ed 1.00 A4 25p EN PDF 25p EN Specifies general performance requirements for multilayer pipe systems based on gas supply.	disciplines. ions - Specifications for systems Gr 10 23.040.20; 23.040.45; 75.200 pipes made from thermoplastics and intended to be used for
SANS 18225:2009 / ISO 18225:2007 Plastics piping systems - Multilayer piping systems for outdoor gas installati Ed 1.00 A4 25p EN PDF 25p EN Specifies general performance requirements for multilayer pipe systems based on gas supply. SANS 18234-1:2007 / ISO/TS 18234-1:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group and versions Ed 1.00 A4 12p EN PDF 12p EN	disciplines. ions - Specifications for systems Gr 10 23.040.20; 23.040.45; 75.200 pipes made from thermoplastics and intended to be used for o (TPEG) data-streams Part 1: Introduction, numbering Gr 7 03.220.01; 35.240.60
SANS 18225:2009 / ISO 18225:2007 Plastics piping systems - Multilayer piping systems for outdoor gas installati Ed 1.00 A4 25p EN PDF 25p EN Specifies general performance requirements for multilayer pipe systems based on gas supply. SANS 18234-1:2007 / ISO/TS 18234-1:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group and versions Ed 1.00 A4 12p EN PDF 12p EN Provides an introduction and index to the initial set of TPEG applications and spec added to the TPEG applications family, by defining their application identification (A	disciplines. ions - Specifications for systems Gr 10 23.040.20; 23.040.45; 75.200 pipes made from thermoplastics and intended to be used for o (TPEG) data-streams Part 1: Introduction, numbering Gr 7 03.220.01; 35.240.60 cifications. Allows the indexing of new applications as they are AID).
 SANS 18225:2009 / ISO 18225:2007 Plastics piping systems - Multilayer piping systems for outdoor gas installatied 1.00 A4 25p EN PDF 25p EN Specifies general performance requirements for multilayer pipe systems based on gas supply. SANS 18234-1:2007 / ISO/TS 18234-1:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group and versions Ed 1.00 A4 12p EN PDF 12p EN Provides an introduction and index to the initial set of TPEG applications and spec added to the TPEG applications family, by defining their application identification (ASANS 18234-2:2007 / ISO/TS 18234-2:2006 (2013-03-15)) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group Framing Structure (SSF) Ed 1.00 A4 39p EN 	disciplines. ions - Specifications for systems Gr 10 23.040.20; 23.040.45; 75.200 pipes made from thermoplastics and intended to be used for o (TPEG) data-streams Part 1: Introduction, numbering Gr 7 03.220.01; 35.240.60 cifications. Allows the indexing of new applications as they are AID). o (TPEG) data-streams Part 2: Syntax, Semantics and Gr 11
SANS 18225:2009 / ISO 18225:2007 Plastics piping systems - Multilayer piping systems for outdoor gas installati Ed 1.00 A4 25p EN PDF 25p EN Specifies general performance requirements for multilayer pipe systems based on gas supply. SANS 18234-1:2007 / ISO/TS 18234-1:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group and versions Ed 1.00 A4 12p EN PDF 12p EN Provides an introduction and index to the initial set of TPEG applications and spec added to the TPEG applications family, by defining their application identification (A SANS 18234-2:2007 / ISO/TS 18234-2:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group Ed 1.00 A4 39p EN PDF 39p EN	disciplines. ions - Specifications for systems Gr 10 23.040.20; 23.040.45; 75.200 pipes made from thermoplastics and intended to be used for (TPEG) data-streams Part 1: Introduction, numbering Gr 7 03.220.01; 35.240.60 ifications. Allows the indexing of new applications as they are AID). (TPEG) data-streams Part 2: Syntax, Semantics and Gr 11 03.220.01; 35.240.60
SANS 18225:2009 / ISO 18225:2007 Plastics piping systems - Multilayer piping systems for outdoor gas installati Ed 1.00 A4 25p EN PDF 25p EN Specifies general performance requirements for multilayer pipe systems based on gas supply. SANS 18234-1:2007 / ISO/TS 18234-1:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group and versions Ed 1.00 A4 12p EN PDF 12p EN Provides an introduction and index to the initial set of TPEG applications and spec added to the TPEG applications family, by defining their application identification (A SANS 18234-2:2007 / ISO/TS 18234-2:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group Framing Structure (SSF) Ed 1.00 A4 39p EN PDF 39p EN Establishes the method of referencing used within a TPEG data-stream to allow a another bearer channel or similar service data from another service. TPEG is a by digital bearer with an appropriate adaptation layer. TPEG messages are delivered application data from the database of a service provider to a user's equipment.	disciplines. ions - Specifications for systems Gr 10 23.040.20; 23.040.45; 75.200 pipes made from thermoplastics and intended to be used for O (TPEG) data-streams Part 1: Introduction, numbering Gr 7 03.220.01; 35.240.60 :ifications. Allows the indexing of new applications as they are AID). O (TPEG) data-streams Part 2: Syntax, Semantics and Gr 11 03.220.01; 35.240.60 service provider to signal availability of the same service on te-oriented stream format, which may be carried on almost any from service providers to end-users, and are used to transfer
SANS 18225:2009 / ISO 18225:2007 Plastics piping systems - Multilayer piping systems for outdoor gas installati Ed 1.00 A4 25p EN PDF 25p EN Specifies general performance requirements for multilayer pipe systems based on gas supply. SANS 18234-1:2007 / ISO/TS 18234-1:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group and versions Ed 1.00 A4 12p EN PDF 12p EN Provides an introduction and index to the initial set of TPEG applications and spec added to the TPEG applications family, by defining their application identification (A SANS 18234-2:2007 / ISO/TS 18234-2:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group Framing Structure (SSF) Ed 1.00 A4 39p EN PDF 39p EN Establishes the method of referencing used within a TPEG data-stream to allow a another bearer channel or similar service data from another service. TPEG is a by digital bearer with an appropriate adaptation layer. TPEG messages are delivered application data from the database of a service provider to a user's equipment. SANS 18234-3:2007 / ISO/TS 18234-3:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group figital bearer with an appropriate adaptation layer. TPEG messages are delivered application data from the database of a service provider to a user's equipment. SANS 18234-3:2007 / ISO/TS 18234-3:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group Information (SNI) application	disciplines. ions - Specifications for systems Gr 10 23.040.20; 23.040.45; 75.200 pipes made from thermoplastics and intended to be used for o (TPEG) data-streams Part 1: Introduction, numbering Gr 7 03.220.01; 35.240.60 cifications. Allows the indexing of new applications as they are AID). o (TPEG) data-streams Part 2: Syntax, Semantics and Gr 11 03.220.01; 35.240.60 service provider to signal availability of the same service on te-oriented stream format, which may be carried on almost any from service providers to end-users, and are used to transfer
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SANS 18225:2009 / ISO 18225:2007 Plastics piping systems - Multilayer piping systems for outdoor gas installati Ed 1.00 A4 25p EN PDF 25p EN Specifies general performance requirements for multilayer pipe systems based on gas supply. SANS 18234-1:2007 / ISO/TS 18234-1:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group and versions Ed 1.00 A4 12p EN PDF 12p EN Provides an introduction and index to the initial set of TPEG applications and spec added to the TPEG applications family, by defining their application identification (J SANS 18234-2:2007 / ISO/TS 18234-2:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group Framing Structure (SSF) Ed 1.00 A4 39p EN PDF 39p EN Establishes the method of referencing used within a TPEG data-stream to allow a another bearer channel or similar service data from another service. TPEG is a by digital bearer with an appropriate adaptation layer. TPEG messages are delivered application data from the database of a service provider to a user's equipment. SANS 18234-3:2007 / ISO/TS 18234-3:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group Framing Structure (SFF) Ed 1.00 A4 39p EN Establishes the method of referencing used within a TPEG data-stream to allow a another bearer with an appropriate adaptation layer. TPEG messages are delivered application data from the database of a service provider to a user's equipment. SANS 18234-3:2007 / ISO/TS 18234-3:2006 (2013-03-15) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group Information (SNI) application Ed 1.00 A4 36p EN PDF 36p EN	disciplines. fons - Specifications for systems Gr 10 23.040.20; 23.040.45; 75.200 pipes made from thermoplastics and intended to be used for o (TPEG) data-streams Part 1: Introduction, numbering Gr 7 03.220.01; 35.240.60 cifications. Allows the indexing of new applications as they are AID). o (TPEG) data-streams Part 2: Syntax, Semantics and Gr 11 03.220.01; 35.240.60 service provider to signal availability of the same service on te-oriented stream format, which may be carried on almost any from service providers to end-users, and are used to transfer o (TPEG) data-streams Part 3: Service and Network Gr 11 03.220.01: 35.240.60

Establishes the method of delivering service and network information (SNI) within a TPEG service. The TPEG-SNI application is designed to allow the efficient and language independent delivery of information about the availability of the same service on another bearer channel or similar service data from another service provider, directly from service provider to end-users.

SANS 18234-4:2007 / ISO/TS 18234-4:2006 (2013-03-01) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group (TPEG) data-streams Part 4: Road Traffic Message (RTM) application Ed 1.00 A4 105p EN Gr 16

PDF 105p EN

Establishes the method of delivering Road Traffic Messages within a TPEG service. The TPEG-RTM application is designed to allow the efficient and language independent delivery of road information directly from service provider to end-users. The information provided relates to event and some status information on the road network and on associated infrastructure affecting a road journey.

SANS 18234-6:2007 / ISO/TS 18234-6:2006 (2013-03-01) Traffic and Travel Information (TTI) - TTI via Transport Protocol Expert Group (TPEG) data-streams Part 6: Location referencing applications

Ed 1.00 A4 83p EN PDF 83p EN

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Establishes the method of location referencing used by TPEG applications such as TPEG-RTM or TPEG-PTI. TPEG applications are specified to contain all the information required by a client TPEG-decoder (i.e. both location referencing and event information), to present all the information intended for the end-user when it was originated by the service provider.

SANS 18283:2007 / ISO 18283:2006

Hard coal and coke - Manual sampling

1.00	A4 78p EN	Gr 14
	PDF 78p EN	73.040; 75.160.10

Defines the basic terms used in manual sampling of hard coal and coke and describes the general principles of sampling. It specifies procedures nd requirements for establishing a manual sampling scheme, methods of manual sampling, sampling equipment, handling and storage of samples, sample preparation and a sampling report. It applies to manual sampling from fuels in movement.

SANS 18308:2007 / ISO/TS 18308:2004

Health informatics - Requirements for an electronic health record architecture Ed 1.00 A4 37n EN C+ 11

PDF 37p EN 35.240.80	zu 1.00	A4 370 EN	GITT
		PDF 37p EN	35.240.80

Assembles and collates a set of clinical and technical requirements for an electronic health record architecture (EHRA) that supports using, sharing, and exchanging electronic health records across different health sectors, different countries, and different models of healthcare delivery. It gives requirements for the architecture but not the specifications of the architecture itself.

SANS 18415:2009 / ISO 18415:2007

Cosmetics - Microbiology - Detection of specified and non-specified microorganisms

Ed 1.00	A4 25p EN					Gr	10			
	PDF 25p EN					07.	100.99;	71.100.	70	
<u>.</u>		·	 	 						

Gives general guidelines for the detection and identification of specified microorganisms in cosmetic products. It can also be used for the detection and identification of other kinds of aerobic mesophilic non-specified microorganisms in cosmetic products.

SATR 18532:2011 / ISO/TR 18532:2009

Guidance on the application of statistical methods to quality and to industrial standardization

D	م مالير م			 المعرم المسلمان
		PDF 203p EN		03.120.3
Ed	1.00	A4 203p EN		Gr 20

Describes a broad range of statistical methods applicable to the management, control and improvement of processes.

SANS 18593:2004 / ISO 18593:2004 (2010-04-16) Microbiology of food and animal feeding stuffs - Horizontal methods for sampling techniques from surfaces using contact plates and swabs

Ed 1.00 A4 13p EN PDF 13p EN

Specifies horizontal methods for sampling techniques using contact plates or swabs on surfaces in the food industry environment (and food processing plants), with a view of detecting or enumerating viable micro-organisms.

SANS 18752:2009 / ISO 18752:2006

Rubber hoses and hose asse	mblies - Wire- or textile-reinforced single-pressure types for hydraulic applications - Specification
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	23 040 70

Specifies requirements for nine classes, four grades and seven types of wire- or textile-reinforced hydraulic hoses and hose assemblies of nominal sizes ranging from 5 mm to 102 mm.

Gr 7 07.100.30

Gr 15 03.220.01; 35.240.60

03.220.01; 35.240.60

Gr 13

Gr 9

35,240,80

SANS 18812:2003 / ISO 18812:2003 (2009-11-27)

Health informatics - Clinical analyser interfaces to laboratory information systems - Use profiles

Ed 1.00 A4 59p EN PDF 59p EN

Specifies general messages for electronic information exchange between analytical instruments (AIs) and laboratory information systems (LISs) within a clinical laboratory. It is applicable to the specialities of clinical chemistry/biochemistry, haematology, toxicology, microbiology, virology and immunology. It covers the specification of messages used by communicating parties and the syntax in which they are communicated, and is applicable to character-based message information.

SANS 18878:2007 / ISO 18878:2004 (2013-03-15)

Mobile elevating work platforms - Operator (driver) training

Ed 1.00 A4 20p EN PDF 20p EN

Provides methods to prepare training materials and to administer training to operators (drivers) of mobile elevating work platforms (MEWPs). Applies to MEWPs, as defined in SANS 16368, which are intended to move persons to positions where they can carry out work from the work platform.

SANS 18893:2007 / ISO 18893:2004 (2013-03-15)

Mobile elevating work platforms - Safety principles, inspection, maintenance and operation

Ed	1.00	A4 24p EN
		PDF 24p EN

Applies to all mobile elevating work platforms (MEWPs) that are intended to position persons, tools and materials and that consists, at least, of a work platform with controls, an extending structure and a chassis. Applies to MEWPs to prevent personal injuries, damage of property and accidents, and also to establish criteria for inspection, maintenance and operation.

SANS 19005-1:2006 / ISO 19005-1:2005 (2013-01-18)

Document management - Electronic document file format for long-term preservation Part 1: Use of PDF 1.4 (PDF/A-1) Gr 11

Ed 1.00 A4 36p EN PDF 36p EN

Specifies how to use the Portable Document Format (PDF) 1.4 for long-term preservation of electronic documents. It is applicable to documents containing combinations of character, raster and vector data.

Cor 1(International), 2007-11-09

SANS 19005-2:2011 / ISO 19005-2:2011

Document management - Electronic document file format for long-term preservation Part 2: Use of ISO 32000-1 (PDF/A-2) Ed 1.00 A4 43p EN

PDF 43p EN

Specifies the use of the Portable Document Format (PDF) 1.7, as formalized in ISO 32000-1 (published in South Africa as an identical adoption under the designation SANS 32000-1), for preserving the static visual representation of page-based electronic documents over time. Does not apply to specific processes for converting paper or electronic documents to the PDF/A format, specific technical design, user interface, implementation, or operational details of rendering, specific physical methods of storing these documents, such as media and storage conditions, or required computer hardware and/or operating systems.

SANS 19011:2012 / ISO 19011:2011

Guidelines for auditing management systems

Ed 2.00	A4 43p EN	Gr 13
	PDF 43p EN	03.120.10; 13.020.10

Provides guidance on auditing management systems, including the principles of auditing, managing an audit programme and conducting management system audits, as well as guidance on the evaluation of competence of individuals involved in the audit process, including the person managing the audit programme, auditors and audit teams. Is applicable to all organizations that need to conduct internal or external audits of management systems or manage an audit programme.

SANS 19092:2009 / ISO 19092:2008

Financial services - Biometrics - Security framework

Ed 1.00 A4 86p EN PDF 86p EN

Describes the security framework for using biometrics for authentication of individuals in financial services. It introduces the types of biometric technologies and addresses issues concerning their application. It also describes the architectures for implementation, specifies the minimum security requirements for effective management, and provides control objectives and recommendations suitable for use by a professional practitioner.

SANS 19101:2003 / ISO 19101:2002 (2010-02-19) Geographic information - Reference model

Ed 1.00	A4 48p EN	Gr 12	
	PDF 48p EN	35.240.70	

Defines the framework for standardization in the field of geographic information and sets forth the basic principles by which this standardization takes place.

Gr 10 03.060; 35.240.40

Gr 12

35.240.30; 37.100.99

35.240.30; 37.100.99

Gr 10 53.020.99

03.100.30; 53.020.99

SANS 19101-2:2009 / ISO/TS 19101-2:2008 Geographic information - Reference model Part 2: Imagery	
Ed 1.00 A4 84p EN PDF 84p EN	Gr 15 35 240 70
Defines a reference model for standardization in the field of geographic imagery pr being undertaken and the context in which it takes place, and includes gridded date	ocessing. It identifies the scope of the standardization activity a with an emphasis on imagery.
SANS 19103:2006 / ISO/TS 19103:2005 (2013-02-01) Geographic information - Concentual schema language	
Ed 1 00 A4 74n EN	Gr 14
PDF 74p EN	35,240,70
Provides rules and guidelines for the use of a conceptual schema language, the Uniformation standards. Also provides guidelines on how UML should be used to create	nified Modelling Language (UML) within the ISO geographic eate standardized geographic information and service models.
SANS 19105:2003 / ISO 19105:2000 (2010-02-19) Geographic information - Conformance and testing	
Ed 1.00 A4 27p EN	Gr 10
PDF 27p EN	07.040; 35.240.70
Specifies the framework, concepts and methodology for testing and criteria to be a information standards. Provides a framework for specifying abstract test suites (AT conformance testing. Conformance may be claimed for data or software products o standard.	chieved to claim conformance to the family of ISO geographic S) and for defining the procedures to be followed during or services or by specifications including any profile or functional
SANS 19106:2004 / ISO 19106:2004 (2009-04-03) Geographic information - Profiles	
Ed 1.00 A4 39p EN	Gr 11
PDF 39p EN	07.040; 35.240.70
Defines the concept of a profile of the ISO geographic information standards devel such profiles. Only those components of specifications that meet the definition of a through the mechanisms described in this standard. These profiles can be standar document also provides guidance for establishing, managing, and standardizing at	oped by ISO/TC 211 and provides guidance for the creation of profile contained herein can be established and managed dized internationally using the ISO standardization process. This the national level (or in some other forum).
SANS 19107:2003 / ISO 19107:2003 (2009-11-06)	
Geographic information - Spatial schema	
Ed 1.00 A4 176p EN	Gr 19
PDF 176p EN	07.040; 35.240.70
Specifies conceptual schemas for describing the spatial characteristics of geograp these schemas.	hic features, and a set of spatial operations consistent with
SANS 19108:2003 / ISO 19108:2002 (2009-06-05) Geographic information - Temporal schema	
Ed 1.00 A4 54p EN	Gr 13
PDF 54p EN	35.240.70
Defines concepts for describing temporal characteristics of geographic information Cor 1(International), 2009-06-05	
SANS 19109:2006 / ISO 19109:2005 (2013-02-01) Geographic information - Rules for application schema	
Ed 1.00 A4 78p EN	Gr 14
PDF 78p EN	07.040; 35.240.70
Defines rules for creating and documenting application schemas, including principl features and their properties from a universe of discourse; definition of application application schemas; transition from the concepts in the conceptual model to the d standardized schemas from other ISO geographic information standards with the application schemas.	es for the definition of features. Includes conceptual modelling of schemas; use of the conceptual schema language for lata types in the application schema; and integration of upplication schema.
SANS 19110:2005 / ISO 19110:2005 (2009-11-06) Geographic information - Methodology for feature cataloguing	
Ed 1.00 A4 62p EN	Gr 14
PDF 62p EN	35.240.70

Defines the methodology for cataloguing feature types and specifies how the classification of feature types is organized into a feature catalogue and presented to the users of a set of geographic data. It is applicable to creating catalogues of feature types in previously uncatalogued domains and to revising existing feature catalogues to comply with standard practice. It applies to the cataloguing of feature types that are represented in digital form. Its principles can be extended to the cataloguing of other forms of geographic data.

SANS 19111:2009 / ISO 19111:2007

Geographic information - Spatial referencing by coordinates						
Ed 2.00	A4 85p EN	Gr 15				
	PDF 85p EN	35.240.70				

Defines the conceptual schema for the description of spatial referencing by coordinates, optionally extended to spatio-temporal referencing. It describes the information required to change coordinates from one coordinate reference system to another.

SANS 19111-2:2010 / ISO 19111-2:2009

Geographic information - Spatial referencing by coordinates Part 2: Extension for parametric values

Ed 1.00	A4 23p EN	Gr 10
	PDF 23p EN	35.240.70

Specifies the conceptual schema for the description of spatial referencing using parametric values or functions.

SANS 19112:2004 / ISO 19112:2003 (2009-04-03)

Ed 1.00 A4 25p EN PDF 25p EN

Defines the conceptual schema for spatial references based on geographic identifiers. It establishes a general model for spatial referencing using geographic identifiers, defines the components of a spatial reference system and defines the essential components of a gazetteer. It enables producers of data to define spatial reference systems using geographic identifiers and assists users in understanding the special references used in datasets. It enables gazetteers to be constructed in a consistent manner and supports the development of other standards in the field of geographic information. It is applicable to geographic data, and its principles may be extended to other forms of geographic data such as maps, charts and other forms of textual documents. Spatial referencing by coordinates is not addressed in this standard, however, a mechanism for recording complimentary coordinate references is included.

Gr 10

07.040: 35.240.70

SANS 19113:2003 / ISO 19113:2002 (2009-11-06)

Geographic information - Quality principles	
Ed 1.00 A4 35p EN	Gr 11
PDF 35p EN	07.040; 35.240.70
Establishes the principles for describing the quality	of accorrentia data and accorrentian components for reporting quality information. Also provide

Establishes the principles for describing the quality of geographic data and specifies components for reporting quality information. Also provides an approach to organizing information about data quality.

SANS 19114:2004 / ISO 19114:2003 (2009-12-11)

Geographic information - Quality evaluation procedures	
Ed 1.00 A4 69p EN	Gr 14
PDF 69p EN	07.040; 35.240.70
Provides a framework of procedures for determining and evalu quality principles defined in SANS 19113. Cor 1(International), 2009-05-29	ating quality that is applicable to digital geographic datasets, consistent with the data
SANS 19115:2003 / ISO 19115:2003 (2011-05-20)	
Geographic information - Metadata	
Ed 1.00 A4 148p EN	Gr 17

35.240.70

Ed 1.00 A4 148p EN PDF 148p EN

Defines the schema required for describing geographic information and services. Provides information about the identification, the extent, the quality, the spatial and temporal schema, spatial reference, and distribution of digital geographic data.

Am 1(National), 2011-05-20 Cor 1(International), 2011-05-20

SANS 19115-2:2010 / ISO 19115-2:2009Geographic information - Metadata Part 2: Extensions for imagery and gridded dataEd 1.00A4 50p ENGr 12PDF 50p EN35.240.70

Provides information on the properties of the measuring equipment used to acquire the data, the geometry of the measuring process employed by the equipment, and the production process used to digitize the raw data.

SANS 19116:2004 / ISO 19116:2004 (2009-04-03)

Jeographic information - Positioning services			
Ed 1.00	A4 60p EN	Gr 13	
	PDF 60p EN	07.040; 35.240.70	

Specifies the data structure and content of an interface that permits communication between position-providing device(s) and position-using device(s) so that the position-using device(s) can obtain and unambiguously interpret position information and determine whether the results meet the requirements of the use. A standardized interface of geographic information with position allows the integration of positional information from a variety of positioning technologies into a variety of geographic information applications, such as surveying, navigation and intelligent transportation systems. This standard will benefit a wide range of applications for which positional information is important.

Gr 12

07.040; 35.240.70

SANS 19117:2006 / ISO 19117:2005

Geographic information - Portrayal Ed 1.00 A4 46p EN

PDF 46p EN

Defines a schema describing the portrayal of geographic information in a form understandable by humans. Includes the methodology for describing symbols and mapping of the schema to an application schema. Does not include standardization of cartographic symbols, and their geometric and functional descriptions.

SANS 19	118:2006 / ISO 19118:2005	
Geograp	hic information - Encoding	
Ed 1.00	A4 113p EN	Gr 16
	PDF 113p EN	35 240 70

Specifies the requirements for defining encoding rules to be used for interchange of geographic data within the ISO 19100 series of International Standards. Includes requirements for creating encoding rules based on Unified Modelling Language (UML) schemas; requirements for creating encoding services and an informative Extensible Markup Language (EML) based encoding rule for neutral interchange of geographic data.

SANS 19119:2005 / ISO 19119:2005 (2011-12-15)
Geographic information - Services

Ed 1.0	0 A4 82p EN	
	PDF 82p EN	

Identifies and defines the architecture patterns for service interfaces used for geographic information, defines its relationship to the Open Systems Environment model, presents a geographic services taxonomy and a list of example geographic services placed in the services taxonomy. Prescribes how to create a platform-neutral service specification, how to derive conformant platform-specific service specifications, and provides guidelines for the selection and specification of geographic services from both platform-neutral and platform-specific perspectives.

Am 1(International), 2011-12-15

SANS 19120:2003 / ISO/TR 19120:2001 (2009-11-06)

Geographic information - Functional standards

Ed 1.00	A4 40p EN	Gr 11
	PDF 40p EN	07.040; 35.240.70

Identifies the components of those recognized functional standards and to identify elements that can be harmonized between these standards and with the ISO/TC 211 base standards.

SANS 19121:2000 / ISO/TR 19121:2000 (2007-11-02)

(SABS ISO/TR 19121)

Geographic information - Imagery and gridded data

Ed 1.00	A4 42p EN	 -	Gr 13
	PDF 42p EN		07.040; 35.240.70

Reviews the manner in which raster and gridded data is currently being handled in the Geomatics community in order to propose how this type of data should be supported by geographic information standards. Identifies those aspects of imagery and gridded data that have been standardized or are being standardized in other ISO committees and external standards organizations, and that influence or support the establishment of raster and gridded data standards for geographic information.

Am 1(National), 2007-11-02

SANS 19122:2005 / ISO/TR 19122:2004 (2010-02-19)

Geograp	ohic information/Geomatics - Qualification and certifi	cation of personnel
Ed 1.00	A4 106p EN	Gr 16
	PDF 106p EN	35.240.70

Describes and defines objectives of the field of Geographic Information in terms of developing a Type 3 report which describes a system for the qualification and certification of personnel in the field of Geographic Information, defining the boundaries between Geographic Information and other related disciplines and professions, specifying technologies and tasks pertaining to Geographic Information, establishing skill sets and competency levels for technologists, professional staff and management in the field, researching the relationship between this initiative and other similar certification processes performed by existing professional associations, and developing a plan for the accreditation of candidate institutions and programs for the certification of individuals in the workforce.

SANS 19123:2006 / ISO 19123:2005 (2013-02-01)

Geographic information - Schema for coverage geometry and functions

Ed 1.00	A4 72p EN	Gr 14
	PDF 72p EN	35.240.70

Defines a conceptual schema for the spatial characteristics of coverages that support mapping from a spatial, temporal or spatiotemporal domain to feature attribute values where feature attribute types are common to all geographic positions within the domain. Defines the relationship between the domain of a coverage and an associated attribute range.

SANS 19125-1:2005 / ISO 19125-1:2004 (2010-11-26)

Geographic information - Simple feature access Part 1: Common architecture

Ed 1.00	A4 49p EN	Gr 12
	PDF 49p EN	35.240.70

Establishes a common architecture and defines terms to use within that architecture. It standardizes names and geometric definitions for types for geometry. It does not place any requirements on how to define the geometry types in the internal schema nor does it place any requirements on when or how or who defines the geometry types.

Standards South Africa Catalogue 2013

07.040; 35.240.70

Gr 15

Gr 14

35.240.70

SANS 19125-2:2005 / ISO 19125-2:2004 (2010-11-26)

Geographic information - Simple feature access Part 2: SQL option

Ed 1.00 A4 68p EN PDF 68p EN

Defines terms to use within the architecture of geographic information and defines a simple feature profile of ISO/IEC 19107 (published in South Africa as an identical adoption under the designation SANS 19107). It also describes a set of SQL geometry types together with SQL functions on those types. It standardizes the names and geometric definitions of the SQL types for geometry and the names, signatures and geometric definitions of the SQL functions for geometry.

SANS 19126:2012 / ISO 19126:2009

Geographic information - Feature concept dictionaries and registers Ed 1.00 A4 47p EN Gr 12 PDF 47p EN 35.240.70

Specifies a schema for feature concept dictionaries to be established and managed as registers. Because feature catalogues are often derived from feature concept dictionaries, a schema for a hierarchical register of feature concept dictionaries and feature catalogues is specified.

SANS 19127:2006 / ISO/TS 19127:2005 (2013-02-01)

Geographic information - Geodetic codes and parameters

Ed 1.00	A4 27p EN	
	PDF 27p EN	

Defines rules for the population and maintenance of registers of geodetic codes and parameters and identifies the data elements, in compliance with ISO 19111 and ISO 19135 (ISO 19111 and ISO 19135 have been published in South Africa as identical adoptions under the designations SANS 19111 and SANS 19135), required within these registers.

SANS 19129:2012 / ISO/TS 19129:2009

Geographic information - Imagery, gridded and coverage data framework Ed 1.00 A4 45p EN Gr 12

PDF 45p EN	35.240.70
Defines the framework for imagery, gridded	and coverage data. This framework defines a content model for the conte

nt type imagery and for other specific content types that can be represented as coverage data. These content models are represented as a set of generic UML patterns for application schemas

SANS 19131:2012 / ISO 19131:2007

Geographic information - Data product specifications

Ed 1.00	A4 47p EN						Gr 12
	PDF 47p EN						35.240.70

Describes requirements for the specification of geographic data products, based upon the concepts of other ISO 19100 International Standards. Also provides help in the creation of data product specifications so they are easily understood and fit for their intended purpose.

SANS 19132:2012 / ISO 19132:2007

Geographic information - Location-based services - Reference model	
Ed 1.00 A4.104n EN	

PDF 104p EN

Defines a reference model and a conceptual framework for location-based services (LBS), and describes the basic principles by which LBS applications may interoperate. References or contains an ontology, a taxonomy, a set of design patterns and a core set of LBS service abstract specifications in UML. Specifies the framework's relationship to other frameworks, applications and services for geographic information and to client applications.

SANS 19133:2006 / ISO 19133:2005 (2013-02-01)

Geographic information - Location-based services - Tracking and navigation

Ed 1.00	A4 150p EN	Gr 17
	PDF 150p EN	35.240.70

Explains the data types and operations associated with those types, for the implementation of tracking and navigation services. Designed to specify web services that can be made available to wireless devices through web-resident proxy applications, but is not restricted to that environment.

SANS 19134:2012 / ISO 19134:2007

Geographic information - Location-based services - Multimodal routing and	navigation
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Ed 1.00	A4 45p EN	Gr 12
	PDF 45p EN	35.240.60; 35.240.70

Specifies the data types and their associated operations for the implementation of multimodal location-based services for routing and navigation. Designed to specify web services that may be made available to wireless devices through web-resident proxy applications, but is not limited to that environment.

Gr 10

07.040; 35.240.70

Gr 16 35.240.70

SANS 19135:2006 / ISO 19135:2005 (2013-02-01)

Geographic information - Procedures for item registration

Ed 1.00 A4 64p EN PDF 64p EN Gr 14 35.240.70

Provides procedures to be followed in establishing, maintaining and publishing registers of unique, unambiguous and permanent identifiers and meanings that are assigned to items of geographic information.

SANS 19136:2012 / ISO 19136:2007

Geographic information - Geography Markup Language (GML)

Ed 1.00	A4 403p EN	Gr 24
	PDF 403p EN	35.240.70

Defines the Geography Markup Language (GML) as XML encoding in compliance with ISO 19118 that sets requirements for the transport and storage of geographic information modelled in accordance with the conceptual modelling framework used in the ISO 19100 series and that includes both the spatial and non-spatial properties of geographic features.

SANS 19137:2012 / ISO 19137:2007

Geographic information - Core profile of the spatial schema

		-	-	
Ed 1.00	A4 20p EN			Gr 9
	PDF 20p EN			35.240.70

Defines a core profile of the spatial schema specified in ISO 19107 that specifies, in accordance with ISO 19106, a minimal set of geometric elements necessary for the efficient creation of application schemata. Supports many of the spatial data formats and description languages already developed and in broad use within several nations or liaison organizations.

SANS 19138:2009 / ISO/TS 19138:2006

Geographic information - Data quality measures

Ed 1.00	A4 75p EN	Gr 14
	PDF 75p EN	35.240.70

Defines a set of data quality measures. These can be used when reporting data quality for the data quality subelements identified in ISO 19113 (Published in South Africa as an identical adoption under the designation SANS 19113). Multiple measures are defined for each data quality subelement, and the choice of which to use will depend on the type of data and its intended purpose.

SANS 19139:2009 / ISO/TS 19139:2007

Geographic information - Metadata - XML schema implementation

Ed 1.00	A4 118p EN	Gr 16
	PDF 118p EN	35.240.70

Defines Geographic MetaData XML (gmd) encoding, an XML Schema implementation derived from ISO 19115 (Published in South Africa as an identical adoption under the designation SANS 19115).

SANS 19141:2009 / ISO/IEC 19141:2008

Geographic information - Schema for moving features

Ed 1.00	A4 56p EN	Gr 13
	PDF 56p EN	35.020; 35.240.01; 35.240.50; 35.240.60; 35.240.70

Describes the geometry of a feature that moves as a rigid body, motion may be moved influenced by physical forces, such as orbital, gravitational and inertial forces. It moves within any domain composed of spatial objects as specified in SANS 19107.

SANS 19144-1:2012 / ISO 19144-1:2009

Geographic information - Classification systems Part 1: Classification system structure					
Ed 1.00	A4 37p EN	Gr 11			
	PDF 37p EN	35.240.70			

Establishes the structure of a geographic information classification system, together with the mechanism for defining and registering the classifiers for such a system. Specifies the use of discrete coverages to represent the result of applying the classification system to a particular area and defines the technical structure of a register of classifiers in accordance with ISO 19135 (published in South Africa as an identical adoption under the designation SANS 19135).

Gr 10

07.100.20

SANS 19250:2011 / ISO 19250:2010

Water quality - Detect	tion of Salmonella spp.
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Ed 1.00 A4 30p EN PDF 30p EN

Specifies a method for the detection of Salmonella spp. (presumptive or confirmed) in water samples. It is possible that, for epidemiological purposes or during outbreak investigations, other media are also required.

SANS 19579:2007 / ISO 19579:2006

Solid mineral fuels - Determination of sulfur by IR spectrometry	
Ed 1.00 A4 11p EN	(

d 1.00	A4 11p EN	Gr 7
	PDF 11p EN	73.040; 75.160.10

Specifies an alternative method of determining the total sulfur content of hard coal, brown coal, and lignite by high-temperature combustion and infrared absorption using commercially available instruments.

Information technology - Method for the determination of toner cartridge yield for monochromatic electrophotographic printers and

PDF 26p EN 37.100.10 Limited to evaluation and measurement of toner cartridge yield for toner containing cartridges (i.e. all-in-one toner cartridges and toner cartridges without a photoconductor) for monochrome electrophotographic printers. Can be applied to the printer component of any multifunctional device with a digital input-printing path (i.e. multi-function devices that contain printer components). SANS 19757-2:2010 / ISO/IEC 19757-2:2008 Information technology - Document Schema Definition Language (DSDL) Part 2: Regular-grammar-based validation - RELAX NG Ed 1.00 A4 50p EN Gr 0 PDF 50p EN 35,240,30 Specifies RELAX NG, a schema language for XML, which specifies a pattern for the structure and content of an XML document. SANS 19757-3:2010 / ISO/IEC 19757-3:2006 Information technology - Document Schema Definition Languages (DSDL) Part 3: Rule-based validation - Schematron Ed 1.00 A4 37p EN Gr 0 PDF 37p EN 35.240.30 Specifies Schematron, a rules-based schema language for XML. Establishes requirements for Schematron schemas and specifies when an XML document matches the patterns specified by a Schematron schema. SANS 19757-4:2010 / ISO/IEC 19757-4:2006 (2011-03-25) Information technology - Document Schema Definition Languages (DSDL) Part 4: Namespace-based Validation Dispatching Language (NVDL) Ed 1.00 A4 57p EN Gr 0 PDF 57p EN 35,240,30 Specifies a Namespace-based Validation Dispatching Language (NVDL). An NVDL script controls the dispatching of elements or attributes in a given XML document to different validators, depending on the namespaces of the elements or attributes. Cor 1(International), 2011-03-25 SANS 19759:2007 / ISO/IEC TR 19759:2005 Software Engineering - Guide to the Software Engineering Body of Knowledge (SWEBOK) Ed 1.00 A4 208p EN Gr 20 PDF 208p EN 35.080

Identifies and descibes the subset of the body of knowledge that is generally accepted in other related disciplines

SANS 19760:2004 / ISO/IEC TR 19760:2003 (2009-02-13)

SANS 19752:2007 / ISO/IEC 19752:2004

Ed 1.00 A4 26p EN

multi-function devices that contain printer components

Systems engineering - A guide for the application of ISO/IEC 15288 (System life cycle processes)

D		and design and the state of	 - (0 4 1 0	4 5000	 		
		PDF 82p EN				35.0	080
Ea	1.00	A4 820 EN				Gr	15

Provides guidance for the application of SANS 15288 with regard to systems and projects irrespective of size and type. It should be used as a companion document to SANS 15288 by those who apply SANS 15288 within their organization, use SANS 15288 with regard to a specific system and those who prepare organizational and domain-specific standards based on SANS 15288.

SANS 19761:2003 / ISO/IEC 19761:2003 (2009-08-28)

Software	engineering - COS	SMIC-FFP - A functiona	I size measurement method	
Ed 1.00	A4 23p EN		Gr	· 10
	PDF 23p EN		35	.080

Specifies the set of definitions, conventions and activities of the COSMIC-FFP Functional Size Measurement Method. It is applicable to application software which is needed to support business administration, real-time software which keeps up with or controls events happening in the real world, or hybrids of the above.

SANS 19762-1:2009 / ISO/IEC 19762-1:2008

Information technology - Automatic identification and data capture (AIDC) techniques - Harmonized vocabulary Part 1: General terms relating to AIDC

Ed 1.00	A4 41p EN	Gr 12	
	PDF 41p EN	01.040.35; 35.040; 35.240.60	
B			

Provides general terms and definitions in the area of automatic identification and data capture techniques on which are based further specialized sections in various technical fields, as well as the essential terms to be used by non-specialist users in communication with specialists in automatic identification and data capture techniques.

Gr 0

SANS 19762-2:2009 / ISO/IEC 19762-2:2008 Information technology - Automatic identification and data capture (AIDC) techniques - Harmonized vocabulary Part 2: Optically

Ed 1.00 A4.30p EN Gr. 10	
PDF 30p EN 01.040.35;	35.040
Provides terms and definitions unique to optically readable media (ORM) in the area of automa glossary of terms enables the communication between non-specialist users and specialists in C advanced concepts.	tic identification and data capture techniques. This DRM through a common understanding of basic and

SANS 19762-3:2009 / ISO/IEC 19762-3:2008

Information technology - Automatic identification and data capture (AIDC) techniques - Harmonized vocabulary Part 3: Radio frequency identification (RFID) Ed 1.00 A4 24p EN Gr 10

PDF 24p EN 01.040.35; 35.040 Provides terms and definitions unique to radio frequency identification (RFID) in the area of automatic identification and data capture techniques. This glossary of terms enables the communication between non-specialist users and specialists in RFID through a common understanding of basic and advanced concepts.

SANS 19762-4:2009 / ISO/IEC 19762-4:2008

relating to radio communications A 4 0 5 ...

EU 1.00 A4 350 EN	GIII
PDF 35p EN	01.040.35; 35.040
Provides general terms and definitions relating to rad glossary of terms enables the communication betwee understanding of basic and advanced concepts.	io communications in the area of automatic identification and data capture techniques. This an non-specialist users and specialists in radio communications through a common
SANS 19762-5:2009 / ISO/IEC 19762-5:2008 Information technology - Automatic identification systems	and data capture (AIDC) techniques - Harmonized vocabulary Part 5: Locating
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	01.040.35; 35.040
Provides terms and definitions unique to locating sys terms enables the communication between non-spec advanced concepts.	tems in the area of automatic identification and data capture techniques. This glossary of ialist users and specialists in locating systems through a common understanding of basic and
SANS 19765:2009 / ISO/IEC TR 19765:2007	

Information technology - Survey of icons and symbols that provide access to functions and facilities to improve the use of information technology products by the elderly and persons with disabilities

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Ed 1.00	A4 35p EN			Gr 12	
	PDF 35p EN			01.080.50	0; 1

Presents icons and symbols currently used to provide access to facilities and tools to support the needs of elderly and disabled users of information technology products. Icons and symbols presented are categorized by modality and method of use.

SANS 19770-1:2010 / ISO/IEC 19770-1:2006

Inforn	nation technology - Software asset management Part 1: Process	es
Ed 1.0	00 A4 32p EN	Gr 11
	PDF 32p EN	35.080

Specifies the application of all software and related assets, regardless of the nature of the software. Can be applied to executable software (such as application programs, operating systems and utility programs) and to non-executable software (such as fonts, graphics, audio and video recordings, templates, dictionaries, documents and data).

SANS 19772:2009 / ISO/IEC 19772:2009

Information technology - Security techniques - Authenticated encryption	Information te	chnology - S	ecurity techniques	- Authenticated	encryption
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Ed 1.00	A4 36p EN					Gr 11	
	PDF 36p EN					35.040	

Specifies the following methods for authenticated encryption: 1. defined ways for processing a data string, 2. protection against unauthorized disclosure of data, 3. protection that enables the recipient of data to verify that it has not been modified, 4. protection that enables the recipient of the data to verify the identity of the data originator.

SANS 19778-1:2010 / ISO/IEC 19778-1:2008

Information technology - Learning, education and training - Collaborative technology - Collaborative workplace Part 1: Collaborative workplace data model

Ed 1.00	A4 44p EN	Gr 12
	PDF 44p EN	03.100.30; 35.240

Applicable to collaborative technologies used to support communication among learners, instructors and other participants. Implements the communicative use of these technologies. Entails the creation of information related to participant groups, and to the collaborative environments, functions and tools that are set up for, and used by, these groups.

Information technology - Automatic identification and data capture (AIDC) techniques - Harmonized vocabulary Part 4: General terms 0.44

1.180.99: 35.040

.99

SANS 19778-2:2010 / ISO/IEC 19778-2:2008

Information technology - Learning, education and training - Collaborative technology - Collaborative workplace Part 2: Collaborative environment data model
Ed 1.00 A4 27p EN Gr 10
PDF 27p EN 03.100.30; 35.240.99

Specifies the Data Model for a collaborative environment.Collaborative environment Data Model composes collaborative tools and declares their collaborative functions by specifying their names.

SANS 19778-3:2010 / ISO/IEC 19778-3:2008 Information technology - Learning, education and training - Collaborative technology - Collaborative workplace Part 3: Collaborative

 group data model
 Gr 9

 Ed 1.00
 A4 20p EN
 Gr 9

 PDF 20p EN
 03.100.30; 35.240.99

Specifies the Data Model for a collaborative group. The collaborative group Data Model composes roles which can be played by the participants of a collaborative group, declares the intended role holders (positions for playing a particular role) for each role, and (at least during the life-span of the collaborative workplace) assigns participants to these role holders.

SANS 19780-1:2010 / ISO/IEC 19780-1:2008

Information technology - Learning, education and training - Collaborative technology - Collaborative learning communication Part 1: Text-based communication

Ed	1.00	A4 23p EN
		PDF 23p EN

Gr 10 03.100.30; 35.240.99

01.080.50; 35.040

Gr 10

Gr 19

35.040

Specifies the Data Model for text-based expressions. Provides a standardized way of isolating and describing textual expressions composed and communicated by collaborative group members.

SANS 19782:2008 / ISO/IEC TR 19782:2006

Information technology - Automatic identification and data capture techniques - Effects of gloss and low substrate opacity on reading of bar code symbols

Ed 1.00 A4 24p EN

PDF 24p EN

Defines methods of measurement for gloss and opacity; it identifies conditions and values that present a risk of reading problems and provides recommendations to users on the specification of substrates and the set-up of scanning systems to minimize these problems. It also addresses the relationship between verification results and read performance when either or both of the factors are present. It gives guidelines to deal with the effects of substrate gloss and/or low opacity on the performance of bar code symbols when scanned by reading and verification systems. Provides a means for the production of reproducible measurements.

SANS 19784-1:2007 / ISO/IEC 19784-1:2006 (2009-01-30)

Information technology - Biometric application programming interface Part 1: BioAPI specification

Ed 1.00 A4 176p EN PDF 176p EN

Provides a defined interface that allows a software application to communicate with (utilize the services of) one or more biometric technologies. Includes a high-level generic biometric authentication model suited to a broad range of biometrically enabled applications and to most forms of biometric technology. An architectural model is described which enables components of a biometric system to be provided by different vendors, and to be interoperable through fully-defined Application Programming Interfaces (APIs), corresponding Service Provider Interfaces (SPIs), and associated data structures. Covers the basic biometric functions of enrollment, verification and identification, and includes a database interface to allow an application to manage the storage of biometric records. Conformance requirements are identified and informative annexes, including a sample code, are provided. Specifies a biometric data structure that is compatible with all parts of the ISO/IEC 19785 and ISO/IEC 19794 ranges of standards. (Parts of ISO/IEC 19785 and ISO/IEC 19794 are published in South Africa as identical adoptions under the designations SANS 19785 and SANS 19794.)

Am 1(International), 2009-01-30

SANS 19785-1:2007 / ISO/IEC 19785-1:2006

Information technology - Common Biometric Exchange Formats Framework Part 1: Data element specification

Ed 1.00 A4 35p EN PDF 35p EN

Defines a basic structure for standardized biometric information records (BIRs) within the Common Biometric Exchange Formats Framework (CBEFF). This structure consists of three parts: the standard biometric header (SBH), the biometric data block (BDB), and the security block (SB). CBEFF also defines several data elements and their standardized abstract values that can be used in SBHs and SBs (CBEFF treats the BDB as opaque data). CBEFF also establishes mechanisms by which organizations, called "patrons" by CBEFF, can specify and publish BIR format specifications, which are in turn called "patron formats". CBEFF enables patrons to develop BIR specifications that are fully standardized and interoperable, yet are specifically adapted to the requirements of a particular application environment. CBEFF defines rules for BIRs that contain only one BDB (simple BIR) and that contain at least one BDB (complex BIR). CBEFF-defined data elements that identify the format of a BDB and its security attributes (encryption and integrity). All the other CBEFF-defined data elements are optional. CBEFF enables patrons to define additional data elements and abstract values as required by the application environment.

Gr 11 35.040

ology - Collaborat

SANS 19785-3:2008 / ISO/IEC 19785-3:2007

Information Technology - Common biometric exchange formats framework Part 3: Patron format specifications

Ed 1.00 A4 80p EN

PDF 80p EN

Specifies and publishes registered CBEFF patron formats as defined by the requirements in ISO/IEC 19785-1 (published in South Africa as SANS 19785-1) resulting in full ASN.1 Object Identifiers. CBEFF establishes mechanisms by which organizations, called "patron formats" develop BIR specifications that are fully standardized and interoperable and specifically adapted to the requirements of a particular application environment. CBEFF defines mandatory data elements that identify the format of a BDB and its security attributes (encryption and integrity).

SANS 19785-4:2011 / ISO/IEC 19785-4:2010

Information technology - Common Biometric Exchange Formats Framework Part 4: Security block format specifications

Ed 1.00 A4 25p EN

PDF 25p EN

Specifies security block formats registered in accordance with ISO/IEC 19785-2. Specifies their registered security block format identifiers. This security block provides all necessary security parameters, including those used for encryption or integrity. Does not restrict the algorithms and parameters used for encryption or integrity, but provides for the recording of such algorithms and parameter values.

SANS 19790:2009 / ISO/IEC 19790:2006

Informat	ion technology - Security techniques -	 Security requirements for cryptographic modules
Ed 1.00	A4 58p EN	Gr 13
	PDF 58p EN	25.040

Specifies the security requirements for a cryptographic module utilized within a security system protecting sensitive information in computer and telecommunication systems. Defines four security levels for cryptographic modules to provide for a wide spectrum of data sensitivity and a diversity of application environments. Four security levels are specified for each of 10 requirement areas. Each security level offers an increase in security over the preceding level.

SATR 19791:2010 / ISO/IEC TR 19791:2010

Information technology - Security techniques - Security assessment of operational systems Ed 1 00 A4 2425 EN

ĽЧ	1.00	74 242p LN	
		PDF 242p EN	35.040
		•	00.040

Provides guidance and criteria for the security evaluation of operational systems, a definition and model for operational systems, and a methodology and process for performing the security evaluation of operational systems. Provides an extension to the scope of ISO/IEC 15408 (ISO/IEC 15408-1, ISO/IEC 15408-2 and ISO/IEC 15408-3 which have been published in South Africa as identical adoptions under the designations SANS 15408-1, SANS 15408-2 and SANS 15408-4) by taking into account a number of critical aspects of operational systems not addressed in ISO/IEC 15408 evaluation.

SANS 19792:2010 / ISO/IEC 19792:2009

Information technology - Security techniques - Security evaluation of biometrics

Ed 1.00	A4 42p EN	Gr 12
	PDF 42p EN	35.040; 35.240.15

Specifies the subjects, the biometric-specific aspects and principles to be considered during the security evaluation of a biometric system.

SANS 19794-1:2007 / ISO/IEC 19794-1:2006

Information technology - Biometric data interchange formats Part 1: Framework

Ed 1.00	A4 22p EN	Gr	9
	PDF 22p EN	35.	040

Standardized biometric data interchange formats are crucial to the interoperability of biometric components. Describes general aspects of biometric data interchange formats and specifies requirements to be taken into account in standardizing specific formats. Classifies biometric data according to their processing level and establishes a naming concept for biometric data interchange formats on this basis.

SANS 19794-2:2007 / ISO/IEC 19794-2:2005

Information technology - Biometric data interchange formats Part 2: Finger minutiae data

Ed 1.00	A4 47p EN	Gr 12
	PDF 47p EN	35.040

Specifies a concept and data formats for representation of fingerprints using the fundamental notion of minutiae. It is generic, in that it may be applied and used in a wide range of application areas where automated fingerprint recognition is involved. Contains definitions of relevant terms, a description of how minutiae shall be determined, data formats for containing the data for both general use and for use with cards, and conformance information. Guidelines and values for matching and decision parameters are provided in an informative annex. Specifies the fundamental data elements used for minutiae-based representation of a fingerprint; three data formats for interchange and storage of this data: a record-based format, and normal and compact formats for use on a smart card in a match-on-card application; and optional extended data formats for including additional data such as ridge counts and core and delta location. Provides for interchange of finger minutiae data between sensing, storage and matching systems.

Gr 14

35.040

Gr 10 35.040; 35.240.15

35.040

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Gr 10

35.040

SANS 19794-4:2007 / ISO/IEC 19794-4:2005

Information technology - Biometric data interchange formats Part 4: Finger image data

Ed 1.00 A4 28p EN

PDF 28p EN

Specifies a data record interchange format for storing, recording, and transmitting the information from one or more finger or palm image areas within a CBEFF data structure as specified in ISO/IEC 19785-1 (published in South Africa as an identical adoption under the designation SANS 19785-1). This can be used for the exchange and comparison of finger image data. Defines the content, format, and units of measurement for the exchange of finger image data that may be used in the verification or identification process of a subject. The information consists of a variety of mandatory and optional items, including scanning parameters, compressed or uncompressed images and vendor-specific information. This information is intended for interchange among organizations that rely on automated devices and systems for identification or verification purposes based on the information from finger image areas. Information compiled and formatted can be recorded on machine-readable media or may be transmitted by data communication facilities.

SANS 19794-5:2007 / ISO/IEC 19794-5:2005 (2009-01-30) Information technology - Biometric data interchange formats Part 5: Face image data Ed 1 00 A4 56p EN Gr 16

		PDF 56p EN					35.	040
.u	1.00						u	10

Specifies scene, photographic, digitization and format requirements for images of faces to be used in the context of both human verification and computer-automated recognition. The approach to specifying scene and photographic requirements in this format is to carefully describe constraints on how a photograph should appear rather than to dictate how the photograph should be taken. The format is designed to allow for the specification of visible information discernable by an observer pertaining to the face, such as gender, pose and eye colour. The digital image format can be either ISO standard JPEG or JPEG2000. Finally, the "best practice" appendices provide guidance on photo capture for travel documents and face recognition performance versus digital compression.

Am 1(International), 2009-01-30 Cor 1(International), 2009-01-30

SANS 19794-6:2007 / ISO/IEC 19794-6:2005

Information technology - Biometric data interchange formats Part 6: Iris image data

Ed 1.00	A4 32p El	N					Gr 11	
		PDF 32p	ΕN					35.040

Specifies two alternative image interchange formats for biometric authentication systems that utilize iris recognition. The first is based on a rectilinear image storage format that may be a raw, uncompressed array of intensity values or a compressed format such as that specified by ISO/IEC 15444, ITU-T Rec. T.800 Information technology - JPEG 2000 image coding system: Core coding system. The second format is based on a polar image specification that requires certain pre-processing and image segmentation steps, but produces a much more compact data structure that contains only iris information. Data that comply with either one of the iris image formats are intended to be embedded in a CBEFF-compliant structure in the CBEFF Biometric Data Block (BDB) as specified in ISO/IEC 19785-1 (published in South Africa as an identical adoption under the designation SANS 19785-1).

SANS 19795-1:2007 / ISO/IEC 19795-1:2006

Information technology - Biometric performance testing and reporting Part 1: Principles and framework

Ed 1.00 A4 63p EN PDF 63p EN

Is concerned with the evaluation of biometric systems in terms of error rates and throughput rates. Metrics for the various error rates in biometric enrolment, verification and identification are unambiguously specified. Recommendations and requirements are given for the conduct of performance evaluations through the steps of planning the evaluation; collection of enrolment, verification or identification transaction data; analysis of error rates; and the reporting and presentation of results. The principles presented are generic to the range of biometric modalities, applications, and test purposes, and to both offline and online testing methodologies. These principles help avoid bias due to inappropriate data collection or analytic procedures; give better estimates of field performance for the expended effort; and clarify the limits of applicability of the test results.

SANS 19795-2:2007 / ISO/IEC 19795-2:2007

Information technology - Biometric performance testing and reporting Part 2: Testing methodologies for technology and scenario evaluation

Ed 1.00 A4 48p EN PDF 48p EN

Provides requirements and recommendations on data collection, analysis and reporting specific to two primary types of evaluation: technology evaluation and scenario evaluation. Specifies requirements in the development and full description of protocols for technology and scenario evaluations and execution and reporting of biometric evaluations reflective of the parameters associated with biometric evaluation types.

SANS 19795-3:2009 / ISO/IEC TR 19795-3:2007

Information	technology - Biometric performance testing	and reporting Part 3: Modality - Spec	ific testing
Ed 1.00 A4	26p EN	Gr 10	

PDF 26p EN

Describes the methodologies relating to modality-dependent variations. It presents and defines methods for determining ,given a specific biometric modality ,how to develop a technical performance test.

SANS 19795-4:2009 / ISO/IEC 19795-4:2008

Information technology	- Biometric performance	e testing and reporting	Part 4: Interoperability per	formance testing
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Ed 1.00	A4 54p EN	Gr 13
	PDF 54p EN	35.040

Prescribes methods for technology and scenario evaluations of multi-supplier biometric systems that use biometric data conforming to biometric data interchange format standards.

Standards South Africa Catalogue 2013

Cor 2(International), 2009-01-30

35.040

Gr 14

35.040

Gr 12

35.040

Gr 8

Provides a guide to international standards applicable to mobile cranes - crawler cranes, railway cranes, wheel-mounted cranes and any variations thereof that retain the same fundamental characteristics - and a summary of related provisions. Special adaptations of the general types of machine covered, where applicable, also fall within its scope.

SANS 20000-1:2011 / ISO/IEC 20000-1:2011

Information technology - Service management Part 1: Service management system requirements

Am 1(National), 2011-12-15	
Specifies requirements for the service provider to requirements include the design, transition, delive	plan, establish, implement, operate, monitor, review, maintain and improve an SMS. The ry and improvement of services to fulfil service requirements.
PDF 56p EN	03.080.99; 35.020

SANS 20000-2:2006 / ISO/IEC 20000-2:2005

Information technology - Service management Part 2: Code of practice

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Ed 1.00	A4 41p EN PDF 41p EN			

Provides guidance to auditors and offers assistance to service providers planning service improvements or to be audited against SANS 20000-1 (ISO/IEC 20000-1). It is based on BS 15000-2, which has been superseded. Enables service providers to understand how to enhance the quality of service delivered to their customers, both internal and external. Applies to both large and small service providers, and the requirements for best practice service management processes are independent of the service provider's organizational form.

SANS 20000-3:2011 / ISO/IEC TR 20000-3:2009

Information technology - Service management Part 3: Guidance on scope definition and applicability of ISO/IEC 20000-1

Ed 1.00 A4 31p EN PDF 31p EN

Provides guidance and commentary on scope definition and applicability of ISO/IEC 20000-1 (published in South Africa as an identical adoption under the designation SANS 20000-1), to enable the service provider to fulfil the requirements specified in ISO/IEC 20000-1. Assists the service provider who is planning service improvements or preparing for a conformity assessment against ISO/IEC 20000-1.

SANS 20000-5:2011 / ISO/IEC TR 20000-5:2010

Information technology - Service management Part 5: Exemplar implementation plan for ISO/IEC 20000-1

Ed 1.00 A4 38p EN PDF 38p EN

Gives guidance on a phased approach to implement an SMS that fulfils the requirements specified in ISO/IEC 20000-1 (published in South Africa as an identical adoption under the designation SANS 20000-1). Provides a structured framework to agree on priorities and manage the implementation activities. Illustrates a generic, three-phase approach to manage the implementation.

> Standards South Africa Catalogue 2013 NUM - 615

NUMERICAL LIST OF STANDARDS

SANS 19795-7:2012 / ISO/IEC 19795-7:2011 Information technology - Biometric performance testing and reporting Part 7: Testing of on-card biometric comparison algorithms

Establishes a mechanism for measuring the core algorithmic of	apabilities of biometric comparison algorithms.
SANS 19796-1:2006 / ISO/IEC 19796-1:2005 (2012-03-16)	- Quality management, assurance and metrics Part 1. General approach
Ed 1 00 A4 128n EN	Gr 17

PDF 128p EN 03.100.30; 35.240.99 Provides a common framework to describe, specify, and understand critical properties, characteristics, and metrics of quality. It harmonizes existing concepts, specifications, terms, and definitions for learning, education, and training.

SANS 19798:2007 / ISO/IEC 19798:2006

Method for the determination of toner cartridge yield for colour printers and multi-function devices that contain printer components Ed 1.00 A4 24p EN Gr 10

PDF 24p EN

Ed 1.00 A4 15p EN

Ed 2.00 A4 56p EN

Ed 1.00 A4 35p EN

PDF 35p EN

Is limited to evaluation of toner cartridge page yield for toner-containing cartridges (i.e. all-in-one toner cartridges and toner cartridges without a photoconductor) for colour electro-photographic printers. Can be applied to the printer component of any multi-functional device that has a digital input printing path, including multi-function devices that contain electro-photographic printer components

SANS 19956:2010 / ISO 19956:2004

SANS 19961:2007 / ISO/TR 19961:2005 Cranes - Safety code on mobile cranes

PDF 15p EN

Footwear - Test methods for heels - Fatigue resistance		
Ed 1.00	A4 11p EN	Gr 7
	PDF 11p EN	61.060

Specifies a test method for determining the ability of the heels of ladies' shoes to withstand the repeated small impacts imposed by normal walking.

53.020.20

Gr 13

Gr 12 03.080.99; 35.020

Gr 11

Gr 11 03.080.99: 35.020

03.080.99; 35.020

35.180: 37.100.10

Gr 11

35.040; 35.240.15

SANS 20001:1992 / ECE R1:1992 (2008 (SABS ECE R 1) Uniform provisions concerning the ap beam and equipped with filament lam	3-05-23) proval of motor vehicle headlamps ps of categories R2 and/or HS1	emitting an asymmetrical passing beam and/or a driving
Ed 1.00 A4 78p EN		Gr 15
PDF 78p EN		43.040.20
Applies to motor vehicle headlamps which Am 1(International), 1999-12-10 Am 4(International), 1999-12-10 Am 2(National), 2008-05-23	th may incorporate lenses of glass or p Am 2(International), 1999-12-10 Am 5(International), 2002-10-09	olastic material. Am 3(International), 1999-12-10 Am 1(National), 2003-11-21
SANS 20003:2005 / ECE R3:2005 (2007 (SABS ECE R 3)	/-11-09)	
Uniform provisions concerning the ap	proval of retro-reflective devices for	r power-driven vehicles and their trailers
Ed 2.00 A4 53p EN PDF 53p EN		Gr 13 43.040.20
Applies to retro-reflecting devices used of Am 1(National), 2007-11-09	n road vehicles. Am 1(International), 2007-11-09	
SANS 20004:2012 / ECE R4:2006 (SABS ECE R 4)		
Uniform provisions concerning the ap their trailers	proval of devices for the illuminatio	n of rear registration plates of power-driven vehicles and
Ed 2.00 A4 31p EN		Gr 11
PDF 31p EN		43.040.20
Applies to rear registration plate lamps for Am 1(International), 2012-03-23 Am 3(International), 2012-03-23	or vehicles of categories M, N, O, and Cor 1(International), 2012-03-23 Am 4(International), 2012-03-23	T. Am 2(International), 2012-03-23
SANS 20005:2012 / ECE R5:2008 (SABS ECE R 5)		
asymmetrical passing beam or a drivi	proval of power-driven vehicle's sea ng beam or both	aled-beam headlamps (SB) emitting a European
PDF 68p EN		43.040.20
Applies to sealed-beam headlamps (SB)	for vehicles of category T.	
SANS 20006:2012 / ECE R6:2011 (SABS ECE R 6)		
Uniform provisions concerning the ap	proval of direction indicators for po	wer-driven vehicles and their trailers
Ed 3.00 A4 38p EN		Gr 11
		43.040.20; 43.040.30
Applies to direction indicators for vehicle	s of categories L, M, N,O and T.	
SANS 20007:2007 / ECE R7:2006 (SABS ECE R 7) Uniform provisions concerning the ap	proval of front and rear position (sig	de) lamps, stop-lamps and end-outline marker lamps for
power-driven vehicles and their trailer	'S	
Ed 3.00 A4 49p EN		Gr 12
		43.040.20
Applies to a) front and rear position (side vehicles of categories M, N, O and T. Am 1(International), 2007-05-18) lamps and stop lamps for vehicles of	categories L, M, N, O and T, and b) end-outline marker lamps for
SANS 20008:2004 / ECE R8:2002 (2008 (SABS ECE R 8)	9-03-27)	
Uniform provisions concerning the ap or both and equipped with halogen fill	proval of motor vehicle headlamps ament lamps (H1, H2, H3, HB3, HB4,	emitting an asymmetrical passing beam or a driving beam H7, H8, H9, HIR1, HIR2 and/or H11)
Ed 2.00 A4 67p EN PDF 67p FN		Gr 14
Applies to the mater vehicle headlesses	which may incorporate lenges of stars	40.040.20
Cor 1(International), 2004-08-20	which may incorporate lenses of glass	טו אומטוני ווומנטוומו.

Ed 1.00 A4 21p EN PDF 21p EN	Gr 9 17 140 30: 43 020
Applies to vehicles of category L2, L4 and L5 with regard to noise.Am 1(International), 2007-11-30Cor 1 on Am 1(International), 2007-11	-30 Am 2(International), 2007-11-30
SANS 20010:2010 / ECE R10:2008	
Uniform provisions concerning the approval of vehicles with regard to elect	tromagnetic compatibility
PDF 73p EN	Gr 14 33 100 10: 43 060 50
Applies to vehicles of categories L, M, N and O with regard to electromagnetic co to be fitted in these vehicles. Covers requirements regarding the immunity to radi control of the vehicle, related to driver, passenger and other road users' protectio driver or other road users, requirements regarding the control of unwanted radiate electrical or electronic equipment at own or adjacent vehicles or nearby, and the the vehicle.	impatibility and components and separate technical units intended ated and conducted disturbances for functions related to direct n and related to disturbances, which would cause confusion to the ed and conducted emissions to protect the intended use of control of disturbances from accessories that may be retrofitted to
SANS 20011:1981 / ECE R11:1981 (2006-10-20) (SABS ECE R 11)	
Uniform provisions concerning the approval of vehicles with regard to door	r latches and door retention components
Ed 1.00 A4 30p EN Loose-leaf	Gr 11
PDF 30p EN	43.040.60
Applies to latches and door retention components such as hinges and other supp N1 used for, or which can be used for, the entry or exit of the occupants. Am 1(National), 2006-10-20 Am 1(International), 2006-10-20	orting means on side doors of vehicles of categories of M1 and Cor 1(International). 2006-10-20
CANC 20012-1004 / ECE D12-1004 (2006 10 20)	
(SABS ECE R 12)	
Uniform provisions concerning the approval of vehicles with regard to the p the event of impact	protection of the driver against the steering mechanism in
Ed 1.00 A4 60p EN Loose-leaf	Gr 14
Applies to the behaviour of the steering mechanism of motor vehicles of category	43.040.80
mass less than 1,500 kg, with regard to the protection of the driver in a frontal col Am 1(National), 2006-10-20 Am 2(International), 2006-10-20 Am 3(International), 2006-10-20	llision. Cor 1(International), 2006-10-20
SANS 20013:2009 / ECE R13:2008	
(SABS ECE R 13)	
Uniform provisions concerning the approval of vehicles of categories M, N	and O with regard to braking
Ed 3.00 A4 281p EN	Gr 20
And in the standing MO MO Need Only and the balling Dece	43.040.40
Applies to vehicles of categories M2, M3, N and O with regard to braking. Does r trailers that may not be coupled with power-driven vehicles with a design speed e Am 1(International), 2009-02-06 Cor 1 on Am 1(International), 2009-02 Am 2(International), 2009-02-06	 a design speed not exceeding 25 km/h, exceeding 25 km/h, exceeding 25 km/h, and vehicles fitted for drivers with disabilities. Cor 2 on Am 1(International), 2009-02-06
SANS 20013-H:2009 / ECE R13-H:2008	
Uniform provisions concerning the approval of passenger cars with regard Ed 2.00 A4 84p EN PDF 84p EN	to braking Gr 15 43.040.40
Applies to the braking of vehicles of categories M1 and N1. Does not cover vehic for invalid drivers	les with a design speed not exceeding 25 km/h and vehicles fitted
Am 1(International), 2009-08-28	
SANS 20014:2006 / ECE R14:2006 (SABS ECE R 14)	
Uniform provisions concerning the approval of vehicles with regard to safe	ty-belt anchorages, isofix anchorages systems and isofix
top tetner anchorages	Cr 14
PDF 75p EN	43.040.80
Applies to anchorages for safety-belts intended for adult occupants of forward-face Also applies to ISOFIX anchorages systems and ISOFIX top tether anchorages in category M1, and to vehicles of category N1 fitted with ISOFIX anchorages.	sing or rearward-facing seats in vehicles of categories M and N. ntended for ISOFIX child restraint systems installed in vehicles of

Uniform provisions concerning the approval of category L2, L4 and L5 vehicles with regard to noise

NUMERICAL LIST OF STANDARDS

Standards South Africa Catalogue 2013 NUM - 617

SANS 20009:2007 / ECE R9:1997 (2012-12-14)

SANS 20016:2009 / ECE R16:2009 (SABS ECE B 16)

Uniform provisions concerning the approval of I. Safety-belts, restraint systems, child restraint systems and isofix child restraint systems for occupants of power-driven vehicles II. Vehicles equipped with safety-belts, safety-belt reminder, restraint systems, child restraint systems and isofix child restraint systems

Ed 3.00 A4 131p EN PDF 131p EN Gr 17 43 040 80

Gr 13

43.040.60

Applies to vehicles of category M, N, O, L2, L4, L5, L6, L7 and T, with regard to the installation of safety-belts and restraint systems that are intended for use by persons of adult build occupying forward or rearward-facing seats, safety-belts and restraint systems and are designed for installation in vehicles of category M, N, O, L2, L4, L5, L6, L7 and T, vehicles of category M1 and N1 with regard to the installation of child restraint systems and isofix child restraint systems, and vehicles of category M1 with regard to safety belt reminder.

SANS 20017:2004 / ECE R17:2002 (2006-10-20)

Uniform provisions concerning the approval of vehicles with regard to the seats, their anchorages and any head restraints

Ed 2.00 A4 59p EN PDF 59p EN

Applies to the strength of seats, to their anchorages and to their head restraints, of vehicles of categories M1 and N, and to the strength of seats, to their anchorages and to their head restraints, of vehicles of categories M2 and M3, not covered by Regulation No. 80, 01 series of amendments. Also applies to the design of the rear parts of seat-backs and to devices intended to protect the occupants from the danger resulting from the displacement of luggage in a frontal impact, of vehicles of category M1. Does not apply to folding, side-facing or rear-ward facing seats, or to any head restraint fitted to these seats.

Cor 1(International), 2004-11-05

Cor 2(International), 2006-10-20

SANS 20019:2012 / ECE R19:2011

(SABS ECE R 19)

Uniform provisions concerning the approval of power-driven vehicle front fog lamps Ed 3.00 A4 74p EN Gr 15 PDF 74p EN 43.040.20

Applies to front fog lamps for vehicles of categories L3, L4, L5, L7, M, N, and T.

SANS 20020:2008 / ECE R20:2006

PDF 69p EN

(SABS ECE R 20) Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with halogen filament lamps (H4 lamps) Ed 2.00 A4 69p EN Gr 14

Applies to motor vehicle headlamps which may incorporate lenses of glass or plastic material.

SANS 20021:1993 / ECE R21:1993 (2006-12-01)

Uniform provisions concerning the approval of vehicles with regard to their interior fittings

Ed 1.00	A4 50p EN Loose-leaf
	PDF 50p EN

Applies to the interior fittings of passenger cars with regard to the interior parts of the passenger compartment other than the rear-view mirror or mirrors; the arrangement of the controls, the roof and the sliding roof, and the seat-back and the rear parts of seats.

Am 1(International), 2006-12-01 Cor 1(International), 2006-12-01 Am 2(International), 2006-12-01

SANS 20022:2005 / ECE R22:2002 (2010-10-22)

(SABS ECE R 22)

(SABS ECE R 21)

Uniform provisions concerning the approval of protective helmets and of their visors for drivers and passengers of motor cycles and mopeds Gr 16

Ed 2.00 A4 111p EN PDF 111p EN

Applies to protective helmets for drivers and passengers of mopeds and of motor cycles with or without a side-car and to the visors fitted to such helmets or intended to be added to them.

(SABS ECE R 23)			
Uniform provisions concerning the	approval of reversing lights for power	driven vehicles and their trailers	
Ed 3.00 A4 32p EN		Gr 11	
PDF 32p EN		43.040.20	
Applies to reversing lamps for vehicles	of categories M, N, O, and T.		
Am 1(International), 2012-03-23	Cor 1(International), 2012-03-23	Am 2(International), 2012-03-23	
Am 3(International), 2012-03-23			

43.040.20

Gr 13 43.040.60

13.340.20; 43.140

Am 1(National), 2006-12-01

SANS 20027:1998 / ECE R27:1998 (20 (SABS ECE R 27) Uniform provisions for the approval of Ed 1.00 A4.41p EN	07-10-12) of advance-warning triangles	Gr 11
PDF 41p EN		43.040.20
Applies to certain advance-warning devinight, the presence of a halted vehicle. Am 1(National), 2003-09-19	ces intended to be on board vehicles and	I to be placed on the carriageway in order to signal, by day and at
SANS 20028:1972 / ECE R28:1972 (20 (SABS ECE R 28)	10-11-12)	ar uchielee with record to their cudible circule
Ed 1.00 A4 41p EN PDF 41p EN	of audible warning devices and of mot	Gr 12 43.040.20
Applies to audible warning devices, ope of motor cycles, and the audible signals Am 1(International), 1999-11-26 Am 3(International), 2004-05-28	rated by direct current or compressed air. of motor vehicles, with the exception of r Am 2(International), 1999-11-26	which are intended for fitting to motor vehicles with the exception notor cycles. Am 1(National), 2004-05-28
SANS 20030:2011 / ECE R30:2007 (20 Uniform provisions concerning the a	11-12-01) pproval of pneumatic tyres for motor v	ehicles and their trailers
Ed 2.00 A4 44p EN PDF 44p EN		Gr 12 83.160.10
Applies to new pneumatic tyres that are primarily for the equipment for vintage c Am 1(International), 2011-12-01	designed primarily for vehicles of catego ars and competitions. Am 2(International), 2011-12-01	ries M1, N1, O1 and O2. Does not apply to tyres that are designed
SANS 20031:2012 / ECE R31:2009 (SABS ECE R 31) Uniform provisions concerning the a	pproval of power-driven vehicle's seal	ed-beam headlamps (SB) emitting a European
Ed 2.00 A4 61p EN PDF 61p EN	ing beam of both	Gr 14 43.040.20
Applies to headlamps for vehicles of cat Cor 1(International), 2012-03-23	tegories M, N, and T.	
SANS 20036:2009 / ECE R36:2008		
Ed 2.00 A4 76p EN PDF 76p EN	pproval of large passenger vehicles wi	Gr 14 43 080 20
Applies to single-deck rigid or articulated 22 passengers, whether seated or stand	d vehicles that are designed and construc ding, in addition to the driver, and that hav	eted for the carriage of persons, that have a capacity in excess of e an overall width exceeding 2,3 m.
SANS 20037:2012 / ECE R37:2011 (SABS ECE R 37)		
Uniform provisions concerning the a trailers	pproval of filament lamps for use in ap	proved lamp units of power-driven vehicles and of their
Ed 4.00 A4 190p EN		Gr 19
Applies to filament lamps that are interro	ded for use in approved lamp units of pow	29.140; 43.040.20 ver-driven vehicles and of their trailers
SANS 20039:2003 / ECE R39:2003 (20	09-03-27)	
Ed 1.00 A4 14p EN	pproval of vehicles with regard to the s	Gr 7
Applies to the approval of vehicles of ca	tegories L, M and N.	43.040.30
SANS 20040:2005 / ECE R40:1979 Uniform provisions concerning the a gaseous pollutants by the engine	pproval of motorcycles equipped with	a positive-ignition engine with regard to the emission of
Ed 1.00 A4 45p EN PDF 45p EN		Gr 12
This standard specifies the requirement motorcycles having an unladen mass of 50 cm3, or both.	s for the emission of gaseous pollutants f less than 400 kg and having a maximum	rom positive-ignition engines of two-wheeled or three-wheeled design speed exceeding 50 km/h or cylinder capacity exceeding
Am 1(International), 2005-02-18 Cor 3(International), 2005-02-18	Cor 1(International), 2005-02-18 Cor 4(International), 2005-02-18	Cor 2(International), 2005-02-18

Standards South Africa Catalogue 2013

SANS 20041:2004 / ECE R41:1994 (2007-03-09) Uniform provisions concerning the approval of motor cycles with regard to r	noise
Ed 1.00 A4 29p EN PDF 29p EN	Gr 10 17.140.30; 43.140
Applies to vehicles of category L3 with regard to noise.Am 1(International), 2004-11-05Am 2(International), 2007-03-09	
SANS 20043:2005 / ECE R43:2004 (SABS ECE R 43)	
Uniform provisions concerning the approval of safety glazing materials and Ed 2 00 A4 2020 EN	their installation on vehicles
PDF 203p EN	43.040.65
Applies to safety glazing materials intended for installation as windscreens or othe trailers, and to the fitting thereof, to the exclusion, however, of glazing for lighting a bullet-proof glazings. Am 1(International), 2005-11-21	er panes, or as partitioning, on power-driven vehicles and their and light-signalling devices and instrument panels, and of special
SANS 20044:2010 / ECE R44:2008 (SABS ECE R 44)	
Uniform provisions concerning the approval of restraining devices for child system")	occupants of power-driven vehicles ("child restraint
Ed 2.00 A4 174p EN	Gr 18
	43.040.80
use with folding (tip-up) or with side-facing seats.	venicles with three or more wheels, and that are not intended for
(SABS ECE R 46) Uniform provisions concerning the approval of devices for indirect vision ar	nd of motor vehicles with regard to the installation of
Find 2 00 A4 75p EN	Gr 14
PDF 75p EN	43.040.60
Applies to devices for indirect vision intended to be installed on motor vehicles of than four wheels fitted with bodywork which partly or wholly encloses the driver an vehicles of categories M and N and all other motor vehicles having less than four the driver.	categories M and N and to all other motor vehicles having less d, to the installation of devices for indirect vision on motor wheels when fitted with bodywork which partly or wholly encloses
SANS 20047:2004 / ECE R47:1981 (2009-08-21)	
Uniform provisions concerning the approval of mopeds equipped with a pos gaseous pollutants by the engine	sitive-ignition engine with regard to the emission of
Ed 1.00 A4 51p EN PDE 51p EN	Gr 13
Applies to the emission of generatic pollutants made by two wheeled or three whe	13.040.50
km/h and a cylinder capacity not exceeding 50 cm3. Am 1(International), 2009-08-21 Am 1(National), 2009-08-21	eled vehicles having a maximum design speed not exceeding 50
SANS 20048:2009 / ECE R48:2008	
(SABS ECE R 48)	notallation of lighting and light aignalling deviace
Ed 3.00 A4 112p EN	Gr 16
PDF 112p EN	43.040.20
Applies to vehicles of categories M, N, and to their trailers (category O) with regardAm 1(International), 2009-07-03Cor 1 on Am 1(International), 2009-07-03Am 2(International), 2009-07-03Cor 2(International), 2009-07-03	d to the installation of lighting and light-signalling devices. 03 Cor 1(International), 2009-07-03 Am 3(International), 2009-07-03
SANS 20049:2009 / ECE R49:2008 Uniform provisions concerning the measures to be taken against the emissi compression-ignition engines for use in vehicles, and the emission of gased natural gas or liquefied petroleum gas for use in vehicles	on of gaseous and particulate pollutants from ous pollutants from positive-ignition engines fuelled with
Eu 2.00 A4 521p EN PDF 521p EN	Gi ∠o 13.040.50
Applies to vehicles of categories M and N and their engines with regard to the test these engines on vehicles. Cor 1(International), 2009-07-24	s foreseen for these engines. Also applies to the installation of

SANS 20050:2007 / ECE R50:2004 (SABS ECE R 50)		
Uniform provisions concerning the a registration-plate illuminating device	pproval of front position lamps, rear	position lamps, stop lamps, direction indicators and rear-
Ed 2.00 A4 27p EN	s for venicles of category L	Gr 10
PDF 27p EN		43.040.20; 43.140
Applies to front position lamps, rear pos category L.	ition lamps, stop lamps, direction indica	ators, and rear-registration-plate illuminating devices for vehicles of
Am 1(International), 2007-05-25	Am 2(International), 2007-05-25	Am 3(International), 2007-05-25
SANS 20052:2009 / ECE R52:2008	nnroval of M2 and M2 amall conscien	vahiolog with regard to their general construction
Ed 2.00 A4.69p EN	pproval of M2 and M3 small capacity	Gr 14
PDF 69p EN		43.080.20
Applies to single-deck rigid vehicles of a a capacity not exceeding 22 passengers	categories M2 and M3 designed and cor s in addition to the driver.	nstructed for the carriage of seated or standing persons and having
SANS 20053:2005 / ECE R53:2002 (20 Uniform provisions concerning the a	06-12-01) pproval of category L3 vehicles with	regard to the installation of lighting and light-signalling
devices Ed 1 00 A4 38p EN		Gr 11
PDF 38p EN		43.040.20; 43.140
Applies to the approval of lighting install	lations of two-wheeled power-driven veh	icles without side-car, having a maximum design speed exceeding
50 km/h and/or a cylinder capacity exce Am 1(International), 2005-03-04 Am 3(International), 2006-12-01	eding 50 cubic centimetres. Am 1(National), 2006-12-01	Am 2(International), 2006-12-01
SANS 20054:2007 / ECE R54:2004		
Pneumatic tyres for commercial vehi	cles and their trailers	
Ed 1.00 A4 49p EN PDE 49p EN		Gr 12
	eximative but not only for vobialization of	83.160.10
identified by speed category symbols co	primarily, but not only, for vehicles in cal presponding to speeds below 80 km/h. Cor 1(International), 2007-11-30	Cor 2(International) 2007-11-30
CANS 20055-2002 / ECE DE5-2001 /20		
Uniform provisions concerning the a	pproval of mechanical coupling com	ponents of combinations of vehicles
Ed 1.00 A4 81p EN		Gr 15
PDF 81p EN		43.040.70
Lays down the requirements which mec mutually compatible.	hanical coupling devices and component	nts shall meet in order to be regarded internationally as being
Cor 1(International), 2003-02-28		
SANS 20056:1989 / ECE R56:1989 (20 (SABS ECE R 56)	009-04-03)	
Uniform provisions concerning the a	pproval of headlamps for mopeds an	d vehicles treated as such
Ed 1.00 A4 39p EN PDF 39p EN		Gr 12
Applies to the approval of headlamps up	sing filament lamos, producing one sing	45.040.20, 45.140
and vehicles treated as such.		
Am 1(International), 2001-02-02 Am 1(National), 2004-05-21	Cor 1(International), 2001-02-02	Am 2(International), 2002-10-09
SANS 20057:1995 / ECE R57:1995 (20	09-03-27)	
(SABS ECE R 57)		
Ed 1 00 A4 500 EN	pproval of headlamps for motor cycle	es and vehicles treated as such
PDF 50p EN		43.040.20: 43.140
Applies to the approval of headlamps us	sing filament lamps and incorporating le	nses of glass or plastic material, which are provided for the
equipment of motor cycles and vehicles Am 1(International), 2001-11-30	treated as such. Am 2(International), 2001-11-30	Am 1(National), 2004-04-30
SANS 20059:2007 / ECE R59:1983		tomo
Ed 1.00 A4.22n EN	pproval of replacement sliencing sys	Gr 9
PDF 22p EN		43.060.20
Covers replacement silencing systems Am 1(International), 2007-07-20	for vehicles of category M1 and N1. Am 2(International), 2007-07-20	Am 3(International), 2007-07-20
. ,	Standarda South Africa Catalogu	2012

SANS 20060:2007 / ECE R60:1984 (20 Uniform provisions concerning the a including the identification of control	12-12-14) pproval of two-wheeled motor cycles s, tell-tales and indicators	and m	opeds with regard to driver-operated controls
Ed 1.00 A4 32p EN		Gr	11
PDF 32p EN		43.	140
Applies to vehicles of categories L1 and Am 1(International), 2007-06-29	L3 with regard to driver operated contro Am 2(International), 2007-06-29	ols. Am	3(International), 2007-06-29
SANS 20062:2007 / ECE R62:1984 (20 Uniform provisions concerning the a unauthorized use	12-12-14) pproval of power-driven vehicles with	n hand	ebars with regard to their protection against
Ed 1.00 A4 15p EN		Gr	8
Applies to protective devices designed t power-driven three-wheeled vehicles eq	o prevent the unauthorized use of two-w uipped with handlebars.	43. heeled	140 I power-driven vehicles with or without sidecars and of
Am 1(International), 2007-10-26	Cor 1 on Am 1(International), 2007-1	0-26	Am 2(International), 2007-10-26
SANS 20063:2004 / ECE R63:1985 (20 Uniform provisions concerning the a	09-06-26) pproval of two-wheeled mopeds with	regard	I to noise
PDF 20p EN		17.	9 140.30: 43.140
Specifies the requirements for noise ma Am 1(International), 2004-11-05 Am 1(National), 2009-06-26	de by two-wheeled mopeds. Cor 1(International), 2004-11-05 Am 2(International), 2009-06-26	Cor	2(International), 2004-11-05
SANS 20064:2007 / ECE R64:1985			
Iemporary-use spare wheels/tyres		Gr	0
PDF 19p EN		43.	100
Applies to the approval of motor vehicle Am 1(International), 2007-11-30	s of category M1 (passenger cars) equip Am 2(International), 2007-11-30	oped w	th temporary-use spare units.
SANS 20065:2007 / ECE R65:2005			
Ed 1 00 A4 200 EN	pproval of special warning lamps for	power	-driven vehicles and their trailers
PDF 39p EN		43.	040.20
Applies to special warning lamps for veh Am 1(International), 2007-10-12	nicle category L, M, N, O, and T and for	mobile	machinery.
SANS 20067:2006 / ECE R67:2006 (20 Uniform provisions concerning I. app propulsion system; II. approval of a v system with regard to the installation	09-12-04) proval of specific equipment of motor ehicle fitted with specific equipment of such equipment	vehicl for the	es using liquefied petroleum gases in their use of liquefied petroleum gases in its propulsion
Ed 2.00 A4 166p EN		Gr	18
Covers the provisions for the specific ec	uipment of motor vehicles that use liqu	43. efied p	060.40 etroleum gases in their propulsion system, and provisions
Cor 1(International), 2006-11-24 Am 2(International), 2009-12-04	Am 1(International), 2009-12-04 Cor 2(International), 2009-12-04	Am	1(National), 2009-12-04
SANS 20069:2010 / ECE R69:2009 (SABS ECE R 69)			
Uniform provisions concerning the a	pproval of rear marking plates for slo	w-mov	ing vehicles (by construction) and their trailers
Ed 2.00 A4 40p EN PDF 40p EN		Gr 43.	11 040.20
Applies to rear marking plates for vehicl km/h.	es of category M, N, O and T and for mo	obile m	achinery, which, by construction, cannot move faster than 40
SANS 20070:2010 / ECE R70:2009			
(SABS ECE R 70)	nnroval of roar marking platos for bo		long vohiolos
Ed 2.00 A4 43n EN	pproval of real marking plates for hea	avyani Gr	1019 venicies 12
PDF 43p EN		43.	040.20

Applies to rear marking plates for articulated class II and III vehicles of category M, vehicles of category N3, except tractors for semi-trailers, vehicles of category O1, O2 and O3 exceeding 8 m in length, and vehicles of category O4.

Standards South Africa Catalogue 2013 NUM - 622

SANS 20072:1988 / ECE R72:1988 (200 (SABS ECE R 72) Uniform provisions concerning the ap and equipped with halogen filament la	7-11-30) proval of motor cycle headlamps emitt mps (HS1)	ing an asymmetrical passing beam and a driving beam
Ed 1.00 A4 66p EN Loose-leaf PDF 66p EN Loose-leaf		Gr 15 43.040.20: 43.140
Applies to the approval of headlamps equand vehicles treated as such.	uipped with halogen filament lamps (HS1	lamps), which are provided for the equipment of motor cycles
Am 1(International), 2001-03-09 Am 3(International), 2002-10-09	Cor 1(International), 2001-03-09 Am 1(National), 2007-11-30	Am 2(International), 2001-03-09
SANS 20073:1988 / ECE R73:1988 (200 (SABS ECE R 73)	6-10-06)	
Uniform provisions concerning the ap Ed 1.00 A4 19p EN PDF 19p EN	proval of goods vehicles, trailers and s	semi-trailers with regard to their lateral protection Gr 10 43.080.10
Applies to the lateral protection of comple Am 1(National), 2006-10-06	ete vehicles of categories N2, N3, O3 and	O4.
SANS 20074:2000 / ECE R74:2000 (200 (SABS ECE R 74)	7-05-18)	
Uniform provisions concerning the ap devices	proval of category L1 vehicles with reg	ard to the installation of lighting and light-signalling
Ed 1.00 A4 35p EN Loose-leaf		Gr 12
PDF 35p EN		43.040.20; 43.140
Applies to the approval of two-wheeled po cylinder capacity not exceeding 50 cubic	ower-driven vehicles without side-car, hav centimetres or equivalent performance.	ring a maximum design speed not exceeding 50 km/h and/or a
Am 1(International), 2007-05-18 Am 2(International), 2007-05-18	Cor 1 on Am 1(International), 2007-05-	18 Am 1(National), 2007-05-18
SANS 20075:2004 / ECE R75:1997 (200 Uniform provisions concerning the ap	7-11-30) proval of pneumatic tyres for motor cy	cles and mopeds
Ed 1.00 A4 46p EN		Gr 12
Covers new pneumatic tyres designed pr exclusively for the "off road" use, which a Am 1(International), 2004-11-05 Am 4(International), 2004-11-05	imarily, but not only, for vehicles in catego re marked "NHS" (Not for Highway Servic Am 2(International), 2004-11-05 Cor 1(International), 2007-11-30	43.140; 83.160.10 pries L1, L2, L3 and L4. Does not apply to tyre types designed be) and to tyre types designed exclusively for competitions. Am 3(International), 2004-11-05 Am 1(National), 2007-11-30
SANS 20076:1988 / ECE R76:1988 (200 (SABS ECE R 76)	6-10-20)	
Uniform provisions concerning the ap Ed 1.00 A4 22p EN Loose-leaf	proval of headlamps for mopeds emitt	ing a driving beam and a passing beam Gr 10
PDF 22p EN Loose-leaf		43.040.20; 43.140
Applies to the approval of headlamps usi of mopeds and vehicles treated as such.	ng filament lamps, producing a driving be	am and a passing beam, which are provided for the equipment
	Am I(International), 2002-10-09	Am (National), 2000-10-20
SANS 20078:2008 / ECE R78:2007 Uniform provisions concerning the ap	proval of vehicles of categories 1, 2	1.3.1.4 and 1.5 with regard to braking
Ed 2.00 A4 46p EN	- · · · · · · · · · · · · · · · · · · ·	Gr 12
PDF 46p EN		43.040.40
Applies to vehicles of categories L1, L2, I equipped for disabled riders.	L3, L4 and L5. Does not include categorie	es of (a) vehicles with a Vmax of < 25 km/h, and (b) vehicles
SANS 20080:1989 / ECE R80:1989 (200 (SABS ECE R 80)	9-12-04)	
Uniform provisions concerning the ap the seats and their anchorages	proval of seats of large passenger veh	icles and of these vehicles with regard to the strength of
Ed 1.00 A4 73p EN Loose-leaf PDF 73p EN		Gr 15 43.040.60
Applies to vehicles constructed for the ca seat having a reference height of at least horizontal plane not differing by more tha and intended to be fitted with these seats Am 1(International) 1990-10-09	arriage of more than sixteen passengers, i 1 m intended to be installed facing forwa n 6 cm from the floor level of the other for c or any other type of seat likely to be fitter Am 1(National) 2008-01-25	n addition to the driver and crew, in respect of every passenger rds and immediately in front of another forward-facing seat on a ward-facing seat, and seat anchorages provided in the vehicle d on these anchorages.
Am 3(International), 2008-01-25 Cor 1(International), 2009-12-04	Am 4(International), 2000-01-25 Cor 1 on Am 4(International), 2009-12-0	Cor 1 on Am 1(International), 2009-12-04 04

Standards South Africa Catalogue 2013 NUM - 623

SANS 20081:1989 / ECE R81:1989 (200 (SABS ECE R 81)	09-06-26)	
with regard to the installation of rear-	proval of rear-view mirrors and of two	b-wheeled power-driven vehicles with or without side car,
Ed 1.00 A4 42p EN		Gr 12
PDF 42p EN		43.140
Applies to the approval and installation o fitted with bodywork, which partly or whol Am 1(International), 2002-05-08 Am 2(International), 2009-06-26	f rear-view mirrors intended to be installe lly encloses the driver. Am 1(National), 2007-03-09	ed in two-wheeled or three-wheeled power-driven vehicles not Am 2(National), 2009-06-26
SANS 20082:1989 / ECE R82:1989 (200	06-10-20)	
Uniform provisions concerning the ap	proval of moped headlamps equipped	d with filament halogen lamps (HS2 lamps)
Ed 1.00 A4 21p EN Loose-leaf	h	Gr 10
PDF 21p EN Loose-leaf		43.040.20; 43.140
Applies to the approval of headlamps equipterated as such.	uipped with halogen lamps (HS2 lamps),	which are provided for the equipment of mopeds and vehicles
Am 1(International), 2002-10-09	Am 1(National), 2006-10-20	
SANS 20083:2007 / ECE R83:2005 (200	09-12-04)	
(SABS ECE R 83)		
Uniform provisions concerning the ap requirements	proval of vehicles with regard to the e	emission of pollutants according to engine fuel
Ed 2.00 A4 274p EN		Gr 21
PDF 274p EN		13.040.50
pollution control exhaust devices and on- have at least four wheels, exhaust emisss categories M1 and N1 equipped with con 3,500 kg, exhaust emissions at normal a pollution control exhaust devices and on- engines and having at least four wheels, hybrid electric vehicles (HEV) of categori maximum mass not exceeding 3,500 kg. Cor 1(International), 2007-03-09	Doard diagnostic (OBD) systems of moto- tions, the durability of anti-pollution devic npression ignition (C.I.) engines which ha nd low ambient temperature, evaporative -board diagnostic (OBD) systems of hybr and exhaust emissions, the durability of tes M1 and N1 equipped with compression Am 1(International), 2009-12-04	or vehicles equipped with positive ignition (P.I.) engines which es and on-board diagnostic (OBD) systems of vehicles of ave at least four wheels and a maximum mass not exceeding e emissions, emissions of crankcase gases, the durability of id electric vehicles (HEV) equipped with positive-ignition (P.I.) anti-pollution devices and on-board diagnostic (OBD) systems of on-ignition (C.I.) engines, having at least four wheels and a Cor 1 on Am 1(International), 2009-12-04
Am 1(National), 2009-12-04 Cor 3(International), 2009-12-04	Am 2(International), 2009-12-04	Cor 2(International), 2009-12-04
SANS 20084:2004 / ECE R84:1991 (200 Uniform provisions concerning the ap measurement of fuel consumption	09-02-27) proval of passenger cars equipped w	ith an internal combustion engine with regard to the
Ed 1.00 A4 64p EN		Gr 14
PDF 64p EN		43.020
Applies to the measurement of the fuel c and of category N1, having a maximum t	onsumption indicated by the manufactur otal mass less than 2 tons.	er, from all internal combustion engined vehicles of category M1
SANS 20086:1993 / ECE R86:1993 (200 (SABS ECE R 86)	06-12-01)	
Uniform provisions concerning the ap signalling devices	proval of agricultural or forestry tract	ors with regard to the installation of lighting and light-
Ed 1.00 A4 53p EN		Gr 14
PDF 53p EN		43.040.20; 65.060.10
Applies to the approval of agricultural or agricultural or forestry tractors which are and 40 km/h.	forestry tractors with regard to the install fitted with pneumatic tyres and which ha	ation of lighting and light-signalling devices. Applies only to ve at least two axles and a maximum design speed of between 6
Am 1(International), 2001-10-05	Am 1(National), 2006-12-01	Am 2(International), 2006-12-01
SANS 20087:2005 / ECE R87:2003		
Uniform provisions concerning the ap	proval of daytime running lamps for p	oower-driven vehicles
Ed 1.00 A4 30p EN		Gr 10
PDF 30p EN		43.040.20
Applies to lamps intended to increase co Am 1(International), 2005-06-03	nspicuity of a vehicle in daylight.	

SANS 20088:2007 / ECE R88:1993 Uniform provisions concerning the approval of retroreflective tyres for two-	wheeled vehicles
Ed 1.00 A4 23p EN PDF 23p EN	Gr 10 43 140: 43 150: 83 160 10
Applies to fixed retroreflecting devices incorporated in the tyre sidewalls for use or light, thus giving easy recognition of a two-wheeled vehicle. Cor 1(International), 2007-10-26	on mopeds and bicycles to provide a visual impression of circles of
SANS 20089:2006 / ECE R89:1993 (2009-12-04) Uniform prescriptions for approval of: I Vehicles with regard to limitation of function; II Vehicles with regard to the installation of a speed limiting devic approved type; III Speed limitation devices (SLD) and adjustable speed limit	f their maximum speed or their adjustable speed limitation e (SLD) or adjustable speed limitation device (ASLD) of an tation device (ASLD)
Ed 1.00 A4 40p EN PDF 40p EN	Gr 11 43.040.30
Applies to vehicles of categories M3, N2, and N3 equipped with an speed limiting with an adjustable speed limitation device (ASLD), which have not been separate component parts can be regarded as totally or partially fulfilling the function of an by means of a vehicle system that has the primary function of controlling the fuel Am 1(International), 2006-10-13 Cor 1(International), 2009-12-04	d device (SLD) and to vehicles of categories M and N equipped by approved, or so designed or equipped (or both) that its SLD or ASLD, as appropriate. Limits the road speed of vehicles feed to the engine or via the engine management. Am 1(National), 2009-12-04
SANS 20090:2010 (2011-01-28)	
Replacement brake lining assemblies and drum brake linings for power-dri	ven vehicles and their trailers
Ed 4.00 A4 51p EN DSS 51p EN PDF 51p EN	43.040.40
ECE R90:2009, MOD	
Applies to replacement brake lining assemblies intended for use in friction brake L and O, and replacement drum brake linings designed to be riveted to a brake s or O4.	is that form part of a braking system of vehicles of category M, N, hoe for fitment to and use on vehicles of category M3, N2, N3, O3
Am 1(National), 2011-01-28 Am 1(International), 2011-01-28	
SANS 20091:2007 / ECE R91:2003 (SABS ECE R 91) Uniform provisions concerning the approval of side-marker lamps for moto	or vehicles and their trailers
Ed 2.00 A4 35p EN	Gr 11
FDF 50P EN	43.040.20
Am 1(International), 2007-05-25 Am 2(International), 2007-05-25 Am 4(International), 2007-05-25	Am 3(International), 2007-05-25
SANS 20094:2009 / ECE R94:2007 Uniform provisions concerning the approval of vehicles with regard to the pollicion	protection of the occupants in the event of a frontal
Ed 1.00 A4 80p EN	Gr 14
PDF 80p EN	43.040.80
Applies to power-driven vehicles of category M1 of a total permissible mass not e of the manufacturer. Cor 1(International), 2009-06-26	exceeding 2,5 t; heavier vehicles may be approved at the request
SANS 20096:2009 / ECE R96:2006 Uniform provisions concerning the approval of compression ignition (C.I.) and in non-road mobile machinery with regard to the emissions of pollutan	engines to be installed in agricultural and forestry tractors ts by the engine
Ed 2.00 A4 129p EN PDE 129p EN	Gr 17
Applies to the emission of asserus and particulate pollutants from C. L. engines u	13.040.50; 43.060.01; 65.060.10
than 18 kW but not more than 560 kW, used in machinery intended and suited, to having an installed net power higher than 18 kW but not more than 560 kW, oper industrial drilling rigs, compressors etc., construction equipment including wheel loaders, off-highway trucks, hydraulic excavators, etc., agricultural equipment, ro material handling equipment, fork lift trucks, road maintenance equipment (motor ground support equipment in airports, aerial lifts, and mobile cranes. Cor 1(International), 2009-02-13 Am 1(International), 2009-02-13	o move, or to be moved on the ground, with or without road, rated under intermittent speed, including but not limited to loaders, bulldozers, crawler tractors, crawler loaders, truck-type tary tillers, forestry equipment, self-propelled agricultural vehicles, r graders, road rollers, asphalt finishers), snow plough equipment,

SANS 20098:2007 / ECE R98:2005	
(SABS ECE R 98)	winned with and discharge light sources
Ed 2.00 A4 78p EN	Gr 14
PDF 78p EN	43.040.20
Applies to motor vehicle headlamps and motor vehicle distributed lighting system which are equipped with gas-discharge light source(s) being fitted in the headlam system. Am 1(International), 2007-05-18	s which may incorporate lenses of glass or plastic material, and p or in the remote light-generator of the distributed lighting
SANS 20099:2002 / ECE R99:2001 (2007-03-09)	
(SABS ECE R 99) Uniform provisions concerning the approval of gas-discharge light sources driven vehicles	for use in approved gas-discharge lamp units of power-
Ed 2.00 A4 39p EN PDF 39p EN	Gr 11 43.040.20
Applies to gas-discharge light sources intended for use in approved gas-discharg	e lamp units of power-driven vehicles.
Am 1(International), 2007-03-09 Cor 1 on Am 1(International), 2007-03 Am 1(National), 2007-03-09 Am 2(International), 2007-03-09	-09 Cor 1(International), 2007-03-09
SANS 20100:2011 / ECE R100:2011	
Uniform provisions concerning the approval of vehicles with regards to spe	cific requirements for the electric power train
Ed 1.00 A4 42p EN PDF 42p EN	Gr 12 43.120
Apply to safety requirements with respect to the electric power train of road vehicle exceeding 25 km/h, equipped with one or more traction motor(s) operated by electron their high voltage components and systems which are galvanically connected to t	les of categories M and N, with a maximum design speed tric power and not permanently connected to the grid, as well as he high voltage bus of the electric power train.
SANS 20101-2006 / ECE B101-2005 (2000-12-04)	
Uniform provisions concerning the approval of passenger cars powered by hybrid electric power train with regard to the measurement of the emission measurement of electric energy consumption and electric range, and of cate train only with regard to the measurement of electric energy consumption a Ed 1.00 A4 102p EN PDF 102p EN	an internal combustion engine only, or powered by a of carbon dioxide and fuel consumption and/or the egories M1 and N1 vehicles powered by an electric power nd electric range Gr 16 13 040 50
Applies to vehicles of categories M1 and N1 with regard to the measurement of the	ne emission of carbon dioxide (CO2) and fuel consumption or to
the measurement of electric energy consumption and electric range of vehicles pelectric power train (or both), and to the measurement of electric energy consumptrain only.	owered by an internal combustion engine only or by a hybrid otion and electric range of vehicles powered by an electric power
Am 1(International), 2009-12-04 Am 1(National), 2009-12-04	
SANS 20104:1998 / ECE R104:1998 (2008-05-09) (SABS ECE R 104)	
Uniform provisions concerning the approval of retro-reflective markings for	vehicles of category M, N and O
PDF 36p EN	Gr 10 43.040.20
Applies to retro-reflective markings for vehicles of category M2, M3, N, O2, O3 ar	nd O4.
Am 1(National), 2003-11-14 Am 1(International), 2003-11-14 Am 2(National), 2008-05-09 Am 3(International), 2008-05-09	Am 2(International), 2003-11-14 Am 4(International), 2008-05-09
SANS 20107:2009 / ECE R107:2009 Uniform provisions concerning the approval of category M2 or M3 vehicles	with regard to their general construction
Ed 3.00 A4 156p EN PDF 156p EN	Gr 19 43 080 20
Applies to single-deck, double-deck, rigid or articulated vehicles of category M2 o of persons, for example prisoners, vehicles specially designed for the carriage of vehicles specially designed for the carriage of schoolchildren.	r M3. Does not apply to vehicles designed for the secure transport injured or sick persons (ambulances), off-road vehicles, and
SANS 20108:1998 / ECE R108:1998 (2008-10-24)	
Uniform provisions concerning the approval for the production of retreaded Ed 1.00 A4 41p EN PDF 41p EN	I pneumatic tyres for motor vehicles and their trailers Gr 13 83.160.10
Applies to the production of retreaded tyres intended to be fitted to private (passeAm 1(International), 2005-09-09Am 1(National), 2005-09-09Am 2(International), 2008-10-24Am 2(National), 2008-10-24	nger) cars and their trailers used on the road. Cor 1(International), 2008-10-24 Cor 2(International), 2008-10-24

Standards South Africa Catalogue 2013 NUM - 626

SANS 20109:1998 / ECE R109:1998 (20 (SABS ECE R 109)	008-09-19)	
Uniform provisions concerning the ap trailers	proval for the production of retread	ed pneumatic tyres for commercial vehicles and their
Ed 1.00 A4 44p EN PDF 44p EN		Gr 13 83.160.10
Applies to the production of retreaded tyr Cor 1(International), 2002-03-08 Am 1(National), 2005-09-09 Am 3(International), 2008-09-19	res intended to be fitted to commercial Am 1(International), 2005-09-09 Am 2(International), 2005-09-09 Am 4(International), 2008-09-19	vehicles and their trailers used on the road. Cor 1 on Am 1(International), 2005-09-09 Am 2(National), 2008-09-19
SANS 20110:2003 / ECE R110:2001 (20 Uniform provisions concerning the ap their propulsion system; II. Vehicles w compressed natural gas (CNG) in their	006-12-01) proval of: I. Specific components o vith regard to the installation of spec r propulsion system	f motor vehicles using compressed natural gas (CNG) in cific components of an approved type for the use of
Ed 1.00 A4 148p EN PDF 148p EN		Gr 17 43.060.40
Applies to specific components of motor installation of specific components of an	vehicles using compressed natural ga	s (CNG) in their propulsion system, and vehicles with regard to the
Cor 1(International), 2003-11-07 Am 2(International), 2006-12-01	Am 1(International), 2003-11-07 Am 3(International), 2006-12-01	Am 1(National), 2006-12-01 Am 4(International), 2006-12-01
SANS 20111:2004 / ECE R111:2001 (20 Uniform provisions concerning the ap Ed 1.00 A4 24p EN PDF 24p EN	006-12-01) proval of tank vehicles of categorie	s N and O with regard to rollover stability Gr 10 43.080.10
Applies to the rollover stability of tank ve agreements. Am 1(National), 2006-12-01	hicles of category N2, N3, O3 and O4 Am 1(International), 2006-12-01	intended for the carriage of dangerous goods as defined in the ADR
SANS 20112:2011 / ECE R112:2010 Uniform provisions concerning the ap or both and equipped with filament lan Ed 2.00 A4 71p EN PDF 71p EN Applies to headlamps for vehicles of cate	pproval of motor vehicle headlamps mps and/or light-emitting diode (LEI egories L, M, N and T.	emitting an asymmetrical passing beam or a driving beam D) modules Gr 14 29.140.20; 43.040.20
SANS 20119:2008 / ECE R119:2005 Uniform provisions concerning the ap Ed 1.00 A4 31p EN	proval of cornering lamps for powe	r-driven vehicles Gr 11
Applies to cornering lamps for vehicles o	f categories M, N and T.	43.040.20
SANS 20124:2007 / ECE R124:2007 Uniform provisions concerning the ap	proval of wheels for passenger care	s and their trailers Gr 11
PDF 37p EN Covers new replacement wheels designed	ed for vehicles in categories M1. M1G.	43.040.50 O1 and O2. It comprises requirements for wheel manufacture and
installation.		
SANS 20252:2013 / ISO 20252:2012 Market, opinion and social research - Ed 2.00 A4 46p EN PDF 46p EN	Vocabulary and service requiremen	ts Gr 12 01.040.03; 03.020
Establishes the terms and definitions as social research.	well as the service requirements for or	ganizations and professionals conducting market, opinion and
SANS 20344:2008 / ISO 20344:2004 Personal protective equipment - Test	methods for footwear	
Ed 1.00 A4 80p EN PDF 80p EN		Gr 14 13.340.50
Specifies methods for testing footwear de Cor 1(International), 2008-02-08	esigned as personal protective equipm Am 1(International), 2008-02-08	ent.

NOMERICAL LIST OF STANDARDS			
SANS 20345:2008 / ISO 20345:2004 Personal protective equipment - Safe	ty footwear		
Ed 1.00 A4 35p EN PDF 35p EN		Gr 11 13.340.50	
Specifies basic and additional (optional) Cor 1(International), 2008-02-08	requirements for safety footwear. Am 1(International), 2008-02-08	Cor 2(International), 2008-02-08	
SANS 20347:2010 / ISO 20347:2004 Personal protective equipment - Occu	upational footwear		
Ed 1.00 A4 34p EN PDF 34p EN		Gr 11 13.340.50	
Specifies basic and additional (optional) Cor 1(International), 2010-02-05	requirements for occupational footwear. Am 1(International), 2010-02-05	Cor 2(International), 2010-02-05	
SANS 20346:2010 / ISO 20346:2004 Personal protective equipment - Prote	ective footwear		
Ed 1.00 A4 40p EN		Gr 11	
		13.340.50	
Am 1(International), 2010-02-05	Cor 1(International), 2010-02-05	Cor 2(International), 2010-02-05	
SANS 20474-1:2010 / ISO 20474-1:200 Earth-moving machinery - Safety Part	8 :1: General requirements		
Ed 1.00 A4 29p EN		Gr 10	
designed primarily for equipment used to	b loosen, pick-up, move, transport or distr	ibute earth, or to grade earth and rock.	
SANS 20474-2:2010 / ISO 20474-2:200	8		
Earth-moving machinery - Safety Part	2: Requirements for tractor-dozers	Cr. 6	
PDF 10p EN		53.100	
Covers the safety requirements specific	to wheeled and crawler tractor-dozers, as	s well as those for rear-mounted winches on dozers.	
SANS 20474-3:2010 / ISO 20474-3:200 Earth-moving machinery - Safety Part	8 3: Requirements for loaders		
Ed 1.00 A4 14p EN		Gr 7	
PDF 14p EN		53.100	
Specifies the safety requirements specific to loaders, and the appropriate technical measures for eliminating or reducing risks arising from significant hazards, hazardous situations or events during commissioning, operation and maintenance.			
SANS 20474-4:2010 / ISO 20474-4:200 Earth-moving machinery - Safety Part	8 4: Requirements for backhoe loaders		
Ed 1.00 A4 21p EN		Gr 9	
PDF 21p EN		53.100	
Specifies the safety requirements specifievents relevant to the earth-moving machine the manufacturer.	ic to wheeled and crawler backhoe loade hinery within its scope when used as inte	rs, and deals with all significant hazards, hazardous situations and ended or under conditions of misuse reasonably foreseeable by	
SANS 20474-5:2010 / ISO 20474-5:200 Earth-moving machinery - Safety Part	8 5: Requirements for hydraulic excava	tors	
Ed 1.00 A4 19p EN PDF 19p EN		Gr 9 53 100	
Specifies the safety requirements specif from significant hazards, hazardous situ	ic to hydraulic excavators, and the approp ations or events during commissioning, o	oriate technical measures for eliminating or reducing risks arising peration and maintenance.	
SANS 20474-6:2010 / ISO 20474-6:200 Farth-moving machinery - Safety Part	8 6: Requirements for dumpers		
Ed 1.00 A4 14b EN	or nequirements for dullipers	Gr 7	
PDF 14p EN		53.100	
Specifies the safety requirements specif operator. It is not applicable to road-truc	ic to wheeled and crawler dumpers, incluk k-mounted dumpers.	ding compact dumpers and compact dumpers with standing	

Gr 6 53.100 hazards, hazardous situations and events relevant to the earth- nisuse reasonably foreseeable by the manufacturer. Gr 7 53.100 ical measures for eliminating or reducing risks arising from on and maintenance.
53.100 hazards, hazardous situations and events relevant to the earth- nisuse reasonably foreseeable by the manufacturer. Gr 7 53.100 ical measures for eliminating or reducing risks arising from on and maintenance.
hazards, hazardous situations and events relevant to the earth- nisuse reasonably foreseeable by the manufacturer. Gr 7 53.100 ical measures for eliminating or reducing risks arising from on and maintenance.
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53.100 ical measures for eliminating or reducing risks arising from on and maintenance.
ical measures for eliminating or reducing risks arising from on and maintenance.
Gr 7
53.100
icant hazards, hazardous situations and events relevant to the as of misuse reasonably foreseeable by the manufacturer.
Gr 6
53 100
position the appropriate technical measures for eliminating or
ng commissioning, operation and maintenance.
Gr 9
53.100 pplied to the undercarriages and upper-structures of cable
5.
Gr 10
53.100
measures for eliminating or reducing risks arising from on and maintenance.
al provisions
Gr 10
53.100
irements for earth-moving machinery.
Gr 7
77.040.10
strips having a thickness from 0,1 mm up to 2 mm and a width o
Gr 11
35.240.80

Standards South Africa Catalogue 2013

NUMERICAL LIST OF STANDARDS

Gr 7

53.100

SANS 20474-7:2010 / ISO 20474-7:2008

Earth-m	oving machinery - Safety Part 7: Requirements for scrape	ers
Ed 1.00	A4 11p EN	

PDF 11p EN

Specifies the safety requirements specific to wheeled and crawler scrapers, except for towed scrapers, and the appropriate technical measures for eliminating or reducing risks arising from significant hazards, hazardous situations or events during commissioning, operation and maintenance.

provides supporting descriptions of the characteristics of EHR and record systems.

Standards South Africa Catalogue 2013 NUM - 630

NUMERICAL LIST OF STANDARDS

SANS 20712-1:2008 / ISO 20712-1:2008 Water safety signs and beach safety flags Part 1: Specifications for water safety signs used in workplaces and public areas

		01.000.10	
Prescribes water safety signs intend	led for use in connection with the aquatic	environment. It is intended	for use by owners and operators of
aquatic environments and by manuf	acturers of signs and equipment. It is not	t applicable to signalling use	d for maritime traffic.

SANS 20775:2009 / ISO 20775:2009

PDF 67p EN

Ed 1.00 A4 67p EN

Information and documentation - Schema for holdings information

Ed 1.00	A4 53p EN	Gr 13
	PDF 53p EN	35.240.30

Specifies a schema designed to cover the holdings of all types of resources, physical and electronic, all types of resource format, such as printed text, visual images, sound recordings, videos, electronic media and resources published or issued once, such as monographs, or those published serially or in part.

SANS 20807:2004 / ISO 20807:2004 (2009-08-07)

Non-destructive testing - Qualification of personnel for	or limited applications of non-destructive testing
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PDF 37p EN	03 100 30: 19 100
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Provides a means for evaluating and documenting the competence of personnel whose duties require the appropriate theoretical knowledge and practical competence to carry out limited applications of non-destructive testing. It is not intended that qualification for limited applications be substituted for qualification and certification under SANS 9712/ISO 9712.

SANS 20825:1993 (1999-11-10)

(SABS 20825)

Envi	ronment	ally	accept	able	hand	dis	hwas	hing	and	light	duty	deter	gent	(liquio	I)
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-													
		PDF	= 12p	EN						7	71.1	00.4	10
Ed	1.00	A4 1	I2p E	N							Gr 9	Э	

Specifies the characteristics of environmentally acceptable detergents for use in soft or hard water for hand dishwashing and for the cleaning of hard surfaces such as painted surfaces, floors, ceilings, ceramic and plastics tiles, and the surfaces of equipment.

SANS 20826:2010 / ISO 20826:2006

Automotive LPG components - Containers

Ed 1.00	A4 57p EN	Gr 11
	PDF 57p EN	43.060.40

Specifies the technical requirements for the design and the testing of automotive liquefied petroleum gas (LPG) containers, to be permanently attached to a motor vehicle that uses automotive LPG as a fuel. Specifies the design criteria, the requirements on construction and workmanship, and the marking and re-qualification procedures. Also specifies all tests, including their frequencies, to be carried out on autogas containers, during production and performance verification. Gives specific recommendations on the tests to be carried out when changing the design.

SANS 20864:2009 / ISO 20864:2004

rootwear - rest methods for stineners and toepuns - mechanical characteristics
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Ed 1.00	A4 23p EN	Gr 1	0
	PDF 23p EN	61.06	60

Specifies three methods for determining the shape retention properties and compression strength of a domed test specimen. These methods are the following and they are applicable to footwear toepuffs and stiffeners: Method 1: Applicable to heat activated materials Method 2: Applicable to solvent activated materials Method 3: Applicable to non-thermoplastic fibreboard

SANS 20865:2010 / ISO 20865:2002

Footwear - Test methods for outsoles - Compression energy

Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	61.060

Specifies a method for the determination of the compression energy of outsoles.

SANS 20875:2010 / ISO 20875:2001

Footwear - Test methods for outsoles - Determination of split tear strength and delamination resistance

Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	61.060

Specifies a method for the determination of the split tear strength and delamination resistance for outsoles.

SANS 20904	4:2007 / ISO 20904:2006	
Hard coal -	Sampling of slurries	
Ed 1.00 A4	42p EN	Gr 12
PE	DF 42p EN	73.040

Sets out the basic methods for sampling fine coal, coal rejects or tailings of nominal top size < 4mm that is mixed with water to form a slurry. At very high ratios of fine solids to water when the material assumes a soft plastic form, the mixture is correctly termed a paste.

C	àr	18	В		

01.080.10

SANS 20905:2006 / ISO 20905:2004 (2012-04-05)

Coal preparation - Determination of dust/moisture relationship for coal

Ed 1.00 A4 19p EN PDF 19p EN

Sets out a laboratory procedure for the dust testing of higher rank coals. The procedure defines a means of evaluating the dust/moisture relationship characteristic of a coal and a dust extinction moisture (DEM).

SANS 20926:2012 / ISO/IEC 20926:2009

Software and systems engineering - Software measurement - IFPUG functional size measurement method 2009 Ed 2.00 A4 310 EN

d 2.00	A4 31p EN	Gr 11
	PDF 31p EN	35.080

Specifies the set of definitions, rules and steps for applying the IFPUG functional size measurement (FSM) method.

SANS 21003-1:2008 / ISO 21003-1:2008 (2010-11-26)

Multilayer piping systems for hot and cold water installations inside buildings Part 1: General

Ed 1.00 A4 20p EN PDF 20p EN

Specifies the general aspects of multilayer piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application.

Am 1(National), 2010-11-26

SANS 21003-2:2008 / ISO 21003-2:2008 (2010-11-26)

Multilayer piping systems for hot and cold water installations inside buildings Part 2: Pipes

Ed 1.00 A4 24p EN PDF 24p EN

Specifies the characteristics of pipes for multilayer piping systems intended to be used for hot and cold water installations inside buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures appropriate to the class of application.

Am 1(National), 2010-11-26

SANS 21003-3:2008 / ISO 21003-3:2008 (2010-11-26)

Multilayer piping systems for hot and cold water installations inside buildings Part 3: Fittings

Ed 1.00 A4 15p EN PDF 15p EN

Specifies the characteristics of fittings for multilayer piping systems intended to be used for hot and cold water installations inside buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures appropriate to the class of application.

Am 1(National), 2010-11-26

SANS 21003-5:2008 / ISO 21003-5:2008 (2010-11-26)

Multilayer piping systems for hot and cold water installations inside buildings Part 5: Fitness for purpose of the system

Ed 1.00 A4 17p EN PDF 17p EN

Specifies the characteristics for the fitness for purpose of multilayer piping systems intended to be used for hot and cold water installations inside buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application.

Am 1(National), 2010-11-26

SANS 21003-7:2011 / ISO/TS 21003-7:2008

Multilayer piping systems for hot and cold water installations inside buildings Part 7: Guidance for the assessment of conformity Ed 1.00 A4 22p EN Gr 9 PDF 22p EN 23.040.20; 91.140.60

Applicable to multilayer piping systems intended to be used for hot and cold water installations inside buildings for the conveyance of water.

SANS 21047:2009 / ISO 21047:2009

Ed 1.00 A4 29p EN	Gr 10
PDF 29p EN	01.140.20

Specifies the International Standard Text Code (ISTC) which is applicable to any textual work, whenever there is an intention to produce such a textual work in the form of one or more manifestations. It provides an identification data element for applications that record and exchange information about textual works and related manifestations. For example, the ISTC can be used for the purposes of collocating subsequent manifestations of the same textual work or derivations of the same textual work in applications involving electronic rights administration or information retrieval.

23.040.20; 91.140.60

23.040.20: 23.040.45: 91.140.60

Gr 8 23.040.20; 91.140.60

Gr 8

23.040.20; 23.040.45; 91.140.60

Gr 9

Gr 10

Gr 8

73.040

Specifies the definitions and requirements for pipes, fittings and the system based on unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) structured-wall piping systems in the field of non-pressure underground systems for underground drainage and sewerage.

Establishes guidelines for the exchange of information between cultural heritage institutions. In simple terms this can be defined as the curated

Plastics piping systems for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) Part 1: Material specifications and performance criteria for

SANS 21138-2:2008 / ISO 21138-2:2007

SANS 21127:2009 / ISO 21127:2006

SANS 21138-1:2008 / ISO 21138-1:2007

PDF 115p EN

Ed 1.00 A4 115p EN

knowledge of museums.

pipes, fittings and system Ed 1.00 A4 25p EN

PDF 25p EN

Plastics piping systems for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) Part 2: Pipes and fittings with smooth external surface, Type A Ed 1.00 A4 48p EN Gr 12 23.040.20; 23.040.45; 93.030

Specifies definitions, requirements, test methods and test parameters for pipes with a smooth external surface (Type A), fittings and systems based on unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) structured-wall piping in the field of non-pressure systems for underground drainage and sewerage. Gives recommendations concerning colours. Applies to pipes and fittings with or without an integral socket.

SANS 21138-3:2008 / ISO 21138-3:2007

Plastics piping systems for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) Part 3: Pipes and fittings with non-smooth external surface, Type B

Ed 1.00 A4 46p EN PDF 46p EN

Ed 1.00 A4 28p EN

Specifies the definitions and requirements for pipes with a non-smooth external surface (Type B), fittings and systems based on unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) structured-wall piping systems in the field of non-presure systems for underground drainage and sewerage.

SANS 21148:2008 / ISO 21148:2005

Cosmetics - Microbiology - General instructions for microbiological examination

PDF 28p EN	07.100.99; 71.100.70
Gives general instructions for carrying out microb	iological examinations of cosmetic products, in order to ensure their quality and safety,
accordance with an appropriate risk analysis (e.g	. low water activity, hydro-alcoholic, extreme pH values).

SANS 21149:2008 / ISO 21149:2006

Cosmetics - Microbiology	- Enumeration a	nd detection of	aerobic mesophilic bacteria
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Ed 1.00	A4 29p EN			Gr 10)		
	PDF 29p EN			07.100	0.99; 71.10	0.70	

Gives general guidelines for enumeration and detection of mesophilic aerobic bacteria present in cosmetics by counting the colonies on agar medium after aerobic incubation or by checking the absence of bacterial growth after enrichment.

SANS 21183-1:2006 / ISO 21183-1:2005 (2012-06-29) Light conveyor belts Part 1: Principal characteristics and applications	
Ed 1.00 A4 7p EN	Gr 6
PDF 7p EN	53.040.20
Describes the principal characteristics and applications of light conveyor belts.	
SANS 21183-2:2006 / ISO 21183-2:2005 (2012-06-29)	
Light conveyor belts Part 2: List of equivalent terms	
Ed 1.00 A4 29p EN	Gr 10
	01 040 53 53 04

Establishes a list of equivalent terms relating to light conveyor belts.

NUMERICAL LIST OF STANDARDS

Information and documentation - A reference ontology for the interchange of cultural heritage information

35,240,30

Gr 10 23.040.20; 23.040.45; 93.030

Gr 12

Gr 10

01.040.53; 53.040.20

23.040.20; 23.040.45; 93.030

in

Gr 16

PDF 48p EN

SANS 21188:2006 / ISO 21188:2006

Public key infrastructure for financial services - Practices and policy framework Gr 16

Ed 1.00 A4 114p EN PDF 114p EN

Describes a framework of requirements to manage a public key infrastructure (PKI) through certificate policies and certification practice statements and to enable the use of public key certificates in the financial services industry. Defines control objectives and supporting procedures to manage risks

SANS 21307:2011 / ISO 21307:2009 Plastics pipes and fittings - Butt fusion jointing procedures for polyethylene (PE) pipes and fittings used in the construction of gas and water distribution systems

pipes used in the construction of gas and water distribution systems.

Ed 1.00 A4 20p EN Gr 9 PDF 20p EN 23.040.20; 23.040.45; 75.200; 93.025 Establishes general principles regarding the process used in the construction and quality assessment of butt fusion joints incorporating fittings and

SANS 21398:2007 / ISO 21398:2007

Hard coal and coke - Guidance to the inspection of mechanical sampling systems			
Ed 1.00 A4 32p EN	Gr 11		
PDF 32p EN	73.040; 75.160.10		
Sets out recommended practices for the inspection of mechanical sampling system applicable ISO/TC 27 International standards.	n.ISO 21398 serves as a reference for conformance with		

SANS 21487:2009 / ISO 21487:2006

Small craft - Permanently installed petrol and diesel fuel tanks

Ed 1.00 A4 13p EN PDF 13p EN

Establishes requirements for the design and testing of petrol and diesel fuel tanks for internal combustion engines that are intended to be permanently installed in small craft with hull length of up to 24 m.

SANS 21527-1:2009 / ISO 21527-1:2008

Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds Part 1: Colony count technique in products with water activity greater than 0,95

Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	07.100.30

Specifies a horizontal method for the enumeration of viable yeasts and moulds in products intended for human consumption or feeding of animals that have a water activity greater than 0,95 [eggs, meat, dairy products (except milk powder), fruits, vegetables, fresh pastes, etc.], by means of the colony count technique at 25 ℃ ± 1 ℃.

SANS 21528-1:2005 / ISO 21528-1:2004 (2010-04-16)

Microbiology of food and animal feeding stuffs - Horizontal methods for the detection and enumeration of Enterobacteriaceae Part 1: Detection and enumeration by MPN technique with pre-enrichment

Ed 1.00 A4 19p EN PDF 19p EN

Specifies a method, with pre-enrichment, for the detection of Enterobacteriaceae. It is applicable to products intended for human consumption and the feeding of animals, and environmental samples in the area of food production and food handling. Enumeration is carried out by calculation of the most probable number (MPN) after incubation at 37 °C (or 30 °C) in liquid medium. This method is applicable when the micro-organisms sought are expected to need resuscitation before enrichment, and when the number sought is expected to be in the range 1 to 100 per millilitre or per gram of test sample.

SANS 21528-2:2005 / ISO 21528-2:2004 (2010-10-22) Microbiology of food and animal feeding stuffs - Horizontal methods for the detection and enumeration of Enterobacteriaceae Part 2: Colony-count method

Ed 1.00 A4 17p EN PDF 17p EN

Specifies a method, without pre-enrichment, for the enumeration of Enterobacteriaceae. It is applicable to products intended for human consumption and the feeding of animals, and environmental samples in the area of food production and food handling. Enumeration is carried out by counting colonies in a solid medium after incubation at 37 °C (or 30 °C). This technique is recommended when the number of colonies sought is expected to be more than 100 per millilitre or per gram of the test sample.

SANS 21567:2005 / ISO 21567:2004 (2010-04-16)

Microbiology of food and animal feeding stuffs - Horizontal method for the detection of Shigella spp.

Ed 1.00 A4 33p EN Gr 11 PDF 33p EN 07.100.30

Specifies a horizontal method for the detection of Shigella species. It is applicable to products intended for human consumption and the feeding of animals, and environmental samples in the area of food production and food handling.

Gr 8 07.100.01

Gr 7

Gr 9

07.100.01

47.020.20; 47.080

35.240.40

Standards South Africa Catalogue 2013 NUM - 634

Dentistry - Artificial teeth for dental prostheses Ed 1.00 A4 21p EN Gr 9 PDF 21p EN 11.060.10

Specifies the classification, requirements, and test methods for synthetic polymer and ceramic teeth that are manufactured for use in prostheses used in dentistry.

Traceabl	lity in the feed and food chain -	General principles and basic requirements for system design and implementation
Ed 1.00	A4 14p EN	Gr 7
	PDF 14p EN	67.040
<u>o'</u>		

Gives the principles and specific basic requirements for the design and implementation of a feed and food chain traceability system. It can be applied by an organization operating at any step in the feed and food chain. It is intended to allow feed and food organizations to achieve identified objectives.

NUMERICAL LIST OF STANDARDS

A and B. This standard has been established for food matrices, but could also be applicable to other matrices, such as grains and feed.

Provides general guidelines and performance criteria for methods for the detection or quantitation of specific proteins derived from genetically

Foodstuffs - Methods for the detection of genetically modified organisms and derived products - Protein based methods

SANS 21571:2006 / ISO 21571:2005 (2012-06-15)

SANS 21572:2005 / ISO 21572:2004 (2012-04-20)

SANS 21747:2008 / ISO 21747:2006	
Statistical methods - Process performance and capability	statistics for measured quality characteristics
Ed 1.00 A4 39p EN	Gr 11
PDF 39p EN	03.120.30
Describes a procedure for the determination of statistics in or	der to estimate the quality capability of product and process characteristics.
SANS 21827:2010 / ISO/IEC 21827:2008	
Information technology - Security techniques - Systems S	ecurity Engineering - Capability Maturity Model (SSE-CMM)
Ed 2.00 A4 153p EN	Gr 19
FDF 155P EN	35.040
Specifies the system security engineering activities for a secu definition, requirements analysis, design, development, integr product developers and organizations that provide computer s commercial to government and the academe.	re product or a trusted system addressing the complete life cycle of concept ation, installation, operation, maintenance and de-commissioning, requirements fo security services, and all types and sizes of security engineering organization, from
SANS 22000:2005 / ISO 22000:2005	
Food safety management systems - Requirements for any	/ organization in the food chain
Ed 1.00 A4 41p EN	Gr 12
PDF 41p EN	67.020
Specifies requirements for a food safety management system food safety hazards in order to ensure that food is safe at the which are involved in any aspect of the food chain and want to	where an organization in the food chain needs to demonstrate its ability to control time of human consumption. It is applicable to all organizations, regardless of size, propriement systems that consistently provide safe products.
SANS 22003:2007 / ISO/TS 22003:2007	
Food safety management systems - Requirements for boo	lies providing audit and certification of food safety management systems
Ed 1.00 A4 23p EN	Gr 10
PDF 23p EN	03.120.20; 67.020
Defines the rules applicable for the audit and certification of a in ISO 22000 (published in South Africa as an identical adopti confidence to customers about the way certification of their su	food safety management system (FSMS) that complies with the requirements give on under the designation SANS 22000). It provides the necessary information and uppliers has been granted.
SANS 22004:2006 / ISO/TS 22004:2005	
Food safety management systems - Guidance on the appl	ication of ISO 22000:2005
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	67.020
Provides generic guidance that can be applied in the use of IS SANS 22000).	SO 22000 (published in South Africa as an identical adoption under the designation
SANS 22005:2009 / ISO 22005:2007	
Traceability in the feed and food chain - General principle	s and basic requirements for system design and implementation

Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Nucleic acid extraction

modified (GM) plant material in a specified matrix. These guidelines address existing antibody based methods.

Ed 1.00 A4 50p EN

PDF 50p EN

PDF 28p EN

SANS 22112:2008 / ISO 22112:2005

Ed 1.00 A4 28p EN

Gr 12 67.050

Gr 10

67.050

Provides general requirements and specific methods for DNA extraction or purification and quantitation. These methods are described in annexes
Gr 11

01.020

SANS 22128:2009 / ISO 22128:2008

Terminology products and services - Overview and guidance

Ed 1.00 A4 34p EN PDF 34p EN

Identifies and describes a wide range of terminology products and services so that suppliers of these products and services and their clients can have a common understanding as well as shared expectations in their delivery. It outlines some of the generally accepted terminology practices to be followed in the development and delivery of terminology products and services as well as some of the desired quality features that should characterize the products and services produced.

SANS 22134: Practical gui	:2008 / ISO 22134:2007 (2013-01-18) idelines for socioterminology	
Ed 1.00 A4 2 PDF	24p EN F 24p EN	Gr 10 01.020
Proposes guid	delines for socioterminology principles, methods and vocabularies.	
SANS 22222: Personal fina	:2006 / ISO 22222:2005 ancial planning - Requirements for personal financial planners	
		Cr 11
PDF	F 35p EN	03.060
Defines the pe planners. It is of conformity	personal financial planning process and specifies ethical behaviour, constant applicable to all personal financial planners regardless of their emplorassessment and specifies requirements applying to each of them.	mpetences and experience requirements for personal financial yment status. It describes and addresses the various methods
SANS 22288:	:2010 / ISO 22288:2006	
Leather - Phy	ysical and mechanical tests - Determination of flex resistance by	the vamp flex method
Ed 1.00 A4	F 10p EN	Gr 6 59.140.30
Specifies a m below 310 mr	nethod for determining the wet or dry flex resistance of leather and finis m in thickness.	shes applied to leather. It is applicable to all types of leather
SANS 22300: Societal secu	:2012 / ISO 22300:2012 urity - Terminology	
Ed 1 00 A4	17n FN	Gr 8
PDI	F 17p EN	03.100.01
Contains term	ns and definitions applicable to societal security to establish a commo	n understanding so that consistent terms are used.
SANS 22301:	:2012 / ISO 22301:2012	
Societal secu	urity - Business continuity management systems - Requirements	
Ed 1.00 A4	33p EN	Gr 11
PDi		03.100.01
system to pro	uirements to plan, establish, implement, operate, monitor, review, mai ptect against, reduce the likelihood of occurrence, prepare for, respond	ntain and continually improve a documented management to, and recover from disruptive incidents when they arise.
SANS 22307: Financial ser	:2008 / ISO 22307:2008 rvices - Privacy impact assessment	
	25n EN	Gr 11
PDI	F 35p EN	03.060
Recognizes the organization, automated, networks	hat a privacy impact assessment (PIA) is an important financial servic or by "contracted" third parties, to identify and mitigate privacy issues networked information systems.	es and banking management tool to be used within an and risks associated with processing consumer data using
SANS 22310: Information a	:2006 / ISO 22310:2006 (2012-03-16) and documentation - Guidelines for standards drafters for stating	records management requirements in standards
Ed 1.00 A4	10p FN	Gr 6
PDI	F 10p EN	01.140.20
Allows the ap applicable to a to be conside	ppropriate incorporation of records requirements, according to SANS 1 all standards that require the creation and retention of records, into ot ered as components of a comprehensive records management framew	5489-1, SANS 15489-2 and SANS 23081-1, which are her standards. It also highlights the different elements that need york.
SANS 22320:	:2011 / ISO 22320:2011	2220
	arry - Emergency management - nequirements for incluent respt	
PDF	F 27p EN	03.100.01

Specifies minimum requirements for effective incident response and provides the basics for command and control, operational information, coordination and cooperation within an incident response organization. Includes command and control organizational structures and procedures, decision support, traceability, information management, and interoperability.

Standards South Africa Catalogue 2013 NUM - 636

NUMERICAL LIST OF STANDARDS

SANS 22391-1:2008 / ISO 22391-1:2007

Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) Part 1: General Ed 1.00 A4 16p EN Gr 8 PDF 16p EN 23.040.01; 91.140.60; 93.025

Specifies the general aspects of piping systems made of polyethylene of raised temperature resistance (PE-RT), intended to be used for hot and cold water installations within buildings for the conveyance of water - whether or not the water is intended for human consumption (domestic systems) or heating systems - under specific design pressures and temperatures according to the class of application.

SANS 22391-2:2008 / ISO 22391-2:2007

Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) Part 2: Pipes		
Ed 1.00	A4 20p EN	Gr 9
	PDF 20p EN	23.040.20; 91.140.60; 93.025

Specifies the characteristics of pipe made from polyethylene of raised temperature resistance (PE-RT), intended to be used for hot and cold water installations within buildings for the conveyance of water - whether or not the water is intended for human consumption (domestic systems) or heating systems - under the design pressures and temperatures appropriate to the class of application.

SANS 22391-3:2008 / ISO 22391-3:2007

r lustice piping systems for not and cold water installations	r offettighene of fulloca temperature resistance (i E fiff) i art of i fittings	
Ed 1.00 A4 19p EN	Gr 9	
PDF 19p EN	23.040.45; 91.140.60; 93.025	
Specifies the characteristics of fittings for piping systems made from polyethylene of raised temperature resistance (PE-RT), intended to be used for hot and cold water installations within buildings for the conveyance of water - whether or not the water is intended for human consumption		
(domestic systems) or heating systems - under the design pressures and temperatures appropriate to the class of application.		

Plastics nining systems for hot and cold water installations - Polyethylane of raised temperature resistance (PE-RT) Part 3: Fittings

SANS 22391-5:2008 / ISO 22391-5:2007

Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) Part 5: Fitness for purpose of the system Gr 7

Ed 1.00 A4 11p EN PDF 11p EN

Specifies the characteristics of the fitness for purpose of piping systems made from polyethylene of raised temperature resistance (PE-RT), intended to be used for hot and cold water installations within buildings for the conveyance of water - whether or not the water is intended for human consumption (domestic systems) or heating systems - under the design pressures and temperatures appropriate to the class of application.

SANS 22411:2009 / ISO/TR 22411:2008

Ergonomics data and guidelines for the application of ISO/IEC Guide 71 to products and services to address the needs of older persons and persons with disabilities		
Ed 1.00 A4 167p EN	Gr 18	
PDF 167p EN	01 120: 11 180 01: 13 180	

Presents ergonomics data and guidelines for applying ISO/IEC Guide 71 (published in South Africa as an identical adoption under the designation ARP 071) in addressing the needs of older persons and persons with disabilities in standards development. It provides ergonomics data and knowledge about human abilities (sensory, physical, cognitive abilities) and allergies, and guidance on the accessible design of products, services and environments.

SANS 22514-3:2009 / ISO 22514-3:2008

Statistical methods in process management - Capability and performance Part 3: Machine performance studies for measured data on discrete parts

Ed 1.00	A4 30p EN	Gr 1	0
	PDF 30p EN	03.12	20.30

Prescribes the steps to be taken in conducting short-term performance studies on machines where parts produced consecutively under repeatability conditions are considered. Describes methods to be used for handling the data and carrying out the calculations as well as machine performance indices and the actions required at the conclusion of a machine performance study.

13

SANS 22514-4:2008 / ISO/TR 22514-4:2007

Statistical methods in process management - Capability and performance Part 4: Process capability estimates and performance measures

Ed 1.00	A4 55p EN	Gr 13
	PDF 55p EN	03.120.30

Describes process capability and performance measures that are commonly used.

SANS 22621-1:2010 / ISO 22621-1:2007

Plastics piping systems for the supply of gaseous fuels for maximum operating pressures up to and including 2 MPa (20 bar) -Polyamide (PA) Part 1: General

Ed 1.00	A4 36p EN	Gr 11
	PDF 36p EN	23.040.20; 75.200; 83.140.30

Specifies the general properties of polyamide (PA) compounds for the manufacture of pipes, fittings and valves made from these compounds, intended to be buried and used for the supply of gaseous fuels at maximum operating pressures (MOP) up to and including 20 bar.

23.040.01; 91.140.60; 93.025

01.120; 11.180.01; 13.180

SANS 22621-2:2010 / ISO 22621-2:2007 Plastics piping systems for the supply of gaseous fuels for maximum operating pressures up to and including 2 MPa (20 bar) -

	23.040.20; 75.020; 83.140.30	
Specifies the physical and mechanical properties of pipes made from polyamide as an identical adoption under the designation SANS 22621-1), intended to be bu operating pressures (MOP) up to and including 20 bar).	(PA) in accordance with ISO 22621-1 (published in South Africa iried and used for the supply of gaseous fuels at maximum	
SANS 22621-3:2010 / ISO 22621-3:2007		
Plastics piping systems for the supply of gaseous fuels for maximum opera Polyamide (PA) Part 3: Fittings	ting pressures up to and including 2 MPa (20 bar) -	
Ed 1.00 A4 29p EN	Gr 10	
PDF 29p EN	23.040.20; 75.200; 83.140.30; 83.140.40	
Specifies the physical and mechanical properties of fittings made from polyamide as an identical adoption under the designation SANS 22621-1), intended to be bu operating pressures (MOP) up to and including 20 bar).	e (PA) in accordance with ISO 22621-1 (published in South Africa iried and used for the supply of gaseous fuels at maximum	
SANS 22649:2010 / ISO 22649:2003	soration	
Ed 1 00 A4 160 EN	Gr 8	
PDF 16p EN	61.060	
Specifies two test methods for determining the water absorption and desorption of	f insoles and insocks, irrespective of the material.	
SANS 22654:2010 / ISO 22654:2002 Footwear - Test methods for outsoles - Tensile strength and elongation		
Ed 1.00 A4 14p EN	Gr 7	
PDF 14p EN	61.060	
Specifies a method for the determination of the tensile strength and elongation of	outsoles.	
SANS 22674:2008 / ISO 22674:2006 Dentistry - Metallic materials for fixed and removable restorations and appli	ances	
Ed 1.00 A4 29p EN	Gr 10	
PDF 29p EN	11.060.10	
Classifies metallic materials that are suitable for the fabrication of dental appliance for use either with or without a ceramic veneer, or recommended for both uses, a with respect to packaging and marking the products and to the instructions to be	es and restorations, including metallic materials recommended nd specifies their requirements. It further specifies requirements supplied for the use of these materials.	
SANS 22716:2011 / ISO 22716:2007		
Cosmetics - Good Manufacturing Practices (GMP) - Guidelines on Good Ma	nutacturing Practices	
PDF 280 EN	Gr 10 71 100 70	
Gives guidelines for the production, control, storage, shipment and guality aspect	r of coomption products	
Gives guidelines for the production, control, storage, shipment and quality aspect		
SANS 22717:2011 / ISO 22717:2006		
Cosmetics - Microbiology - Detection of Pseudomonas aeruginosa		
Ed 1.00 A4 20p EN	Gr 9	
	07.100.99; 71.100.70	
Gives general guidelines for the detection and identification of the specified micro	p-organism Pseudomonas aeruginosa in cosmetic products.	
SANS 22718:2009 / ISO 22718:2006 Cosmetics - Microbiology - Detection of Staphylococcus aureus		
Ed 1.00 A4 22p EN	Gr 9	
PDF 22p EN	01.100.99; 71.100.70	
Gives general guidelines for the detection and identification of the specified micro	o-organism Staphylococcus aureus in cosmetic products.	
SANS 22775:2009 / ISO 22775:2004	rosistanco	
Ed 1 00 A4 110 EN	Gr 7	
PDF 11p EN	61.060	
Specifies two methods for determining the propensity of a metal surface to either	change visually due to contamination by atmospheric pollution	
(sulphide tarnishing) or to corrode due to the action of salt water (salt water corrosion).		

Ed 1.00 A4 18p EN PDF 18p EN

Polyamide (PA) Part 2: Pipes

Gr 8

Gr 8

37.080

37.080

SANS 22938:2009 / ISO 22938:2008

Document management - Electronic content/document management (CDM) data interchange format

Ed 1.00 A4 20p EN PDF 20p EN

Defines the interchange of content/document management (CDM) data and all associated resources.

SATR 22957:2010 / ISO/TR 22957:2009

Docume	nt management - Analysis, selection and implementation of electron	ic document management systems (EDMS)
Ed 1.00	A4 50p EN	Gr 12
	PDF 50p EN	37.080

Presents a recommended set of procedures and activities that are advisable when performing analysis, selection and implementation of project phases associated with electronic document management systems technologies. Provides user-level information outlining specific recommended activities to be completed throughout the various project phases typically performed when implementing these technologies. Outlines the steps and activities, together with compliance with relevant industry standards and guidelines that need to be examined and certified to ensure relevant technologies have been analysed, designed, implemented and managed, ensuring document/record validity when used in a business or government environment.

SANS 22971:2010 / ISO/TR 22971:2005

Accuracy (trueness and precision) of measurement methods and results - Practical guidance for the use of ISO 5725-2:1994 in designing, implementing and statistically analysing interlaboratory repeatability and reproducibility results Gr 11

Ed 1.00 A4 40p EN PDF 40p EN

03.120.30; 17.020

Provides users with practical guidance to the use of ISO 5725-2:1994 (published in South Africa as an identical adoption under the designation SANS 5725-2) and presents simplified step-by-step procedures for the design, implementation, and statistical analysis of inter-laboratory studies for assessing the variability of a standard measurement method and on the determination of repeatability and reproducability of data obtained in inter-laboratory testing.

SANS 23026:2010 / ISO/IEC 23026:2006

Software Engineering - Recommended Practice for the Internet - Web Site Engineering, Web Site Management, and Web Site Life Cycle

Ed 1.00	A4 85p EN	Gr 15
	PDF 85p EN	35.080

Defines recommended practices for World Wide Web page engineering for Intranet and Extranet environments, based on World Wide Web Consortium and related industry guidelines. Does not address stylistic considerations or human-factors considerations in Web page design beyond limitations that reflect good engineering practice.

SANS 23045:2009 / ISO 23045:2008

Building environment design - Guidelines to assess energy efficiency of new buildings

Ed 1.00	A4 27p EN	Gr 10
	PDF 27p EN	91.040.01; 91.140.99

Gives guidelines related to energy efficiency in buildings as introduced in ISO 16813.

SANS 23081-1:2006 / ISO 23081-1:2006 (2012-03-16)

Information and documentation - Records management processes - Metadata for records Part 1: Principles

Ed 2.00 A4 27p EN Gr 10 PDF 27p EN 01.140.20

Covers the principles that underpin and govern records management metadata. These principles apply through time to records and their metadata, all processes that affect them, any system in which they reside and any organization that is responsible for their management.

SANS 23081-2:2010 / ISO 23081-2:2009

Information and documentation - Managing metadata for records Part 2: Conceptual and implementation issues

Ed 1.00 A4 40p EN PDF 40p EN

Establishes a framework for defining metadata elements consistent with the principles and implementation considerations outlined in ISO 23081-1 (published in South Africa as an identical adoption under the designation SANS 23081-1). The purpose of this framework is to enable a standardized description of records and critical contextual entities for records, to provide common understanding of fixed points of aggregation to enable interoperability of records and information relevant to records between organizational systems, and to enable the reuse and standardization of metadata for managing records over time, space and across applications.

SANS 23273-1:2010 / ISO 23273-1:2006

Fuel cell road vehicles - Safety specifications Part 1: Vehicle functional safety

Ed 1.00	A4 11p EN	Gr 7
	PDF 11p EN	43.120

Specifies the essential requirements for the functional safety of fuel cell (FCV) with respect to hazards to persons and the environment inside and outside of the vehicles caused by the operational characteristics of the fuel cell power system. Does not apply to manufacturing, maintenance or repair of the vehicles. Addresses both normal operating (fault free) condition and single fault conditions of the vehicles. Applies only when the maximum working voltage of the on-board electrical circuits is lower than 1 000 V a.c. or 1 500 V d.c. according to national or international standards or legal requirements (or a combination of these).

> Standards South Africa Catalogue 2013 NUM - 638

Gr 11

01.140.20

Fuel cell road vehicles - Safety specifications Part 3: Protection of persons against electric shock

Specifies the essential requirements for fuel cell vehicles (FCVs) with respect to the protection of persons and the environment inside and outside the vehicle against hydrogen related hazards. Applies only to such FCVs where compressed hydrogen is used as fuel for the fuel cell system. Does not apply to manufacturing, maintenance and repair. Addresses both normal operating (fault free) and single fault conditions of the vehicles.

> Gr 8 43.120

Specifies the essential requirements of fuel cell vehicles (FCVs) for the protection of persons and the environment inside and outside the vehicles against electric shock. Applies only to on-board electric circuits with working voltages between 25 V a.c. and 1 000 V a.c., or 60 V d.c. and 1 500 V d.c., respectively. Does not apply to FCVs connected to an external electric power supply, component protection, or manufacturing, maintenance and repair.

SANS 23274:2010 / ISO 23274:2007

SANS 23273-2:2010 / ISO 23273-2:2006

SANS 23273-3:2010 / ISO 23273-3:2006

hydrogen

Ed 1.00 A4 11p EN

Ed 1.00 A4 16p EN

PDF 11p EN

PDF 16p EN

Hybrid-electric road vehicles - E	xhaust emissions and fuel consumption measurements - Non-externally chargeable vehicles
	0, 10

Ed 1.00 A4 45p EN PDF 45p EN

Fd

Establishes a uniform chassis dynamometer test procedure for hybrid-electric road vehicles (HEVs) with internal combustion engines (ICEs) classified as passenger cars and light duty trucks. Proposes ways of correcting the measured emissions and fuel consumption of HEVs, in order to obtain the correct values when the battery state of charge (SOC) of the rechargeable energy storage system (RESS) does not remain the same between the beginning and the end of the test cycle. Applies to HEVs with ICEs of which the nominal energy of the RESS is at least 2% of the total energy consumption by the vehicle over the test cycle.

SANS 23279:2010 / ISO 23279:2007

Non-destructive testing of welds - Ultrasonic testing - Characterization of indications in welds

1.00	A4 22p EN	Gr 9
	PDF 22p EN	25.160.40

Defines a procedure for classifying internal indications as planar or non-planar.

SANS 23297:2009 / ISO 23297:2008

Thermoplastics hoses and hose assemblies - Wire or synthetic yarn reinforced single-pressure types for hydraulic applications -Specification

Ed 1.00	A4 21p EN		
	PDF 21p EN		

Specifies requirements for eight classes and two types (construction with adhesive bond between layers and construction without adhesive bond between layers) of wire or synthetic yarn reinforced hydraulic hoses and hose assemblies of nominal size from 3,2 mm to 31,5 mm.

SANS 23409:2011 / ISO 23409:2011

Male condoms - Requirements and test methods for condoms m	nade from synthetic materials
	0

Ed 1.00	A4 51p EN	Gr 13
	PDF 51p EN	11.200

Specifies the minimum requirements and the test methods applicable to male condoms produced from synthetic materials or blends of synthetic materials and natural rubber latex that are used for contraceptive purposes and to aid in the prevention of sexually transmitted infections.

SANS 23529:2006 / ISO 23529:2004 (2012-07-06)

Rubber - General procedures for preparing and conditioning test pieces for physical test methods

Ed 1.00	A4 20p EN	Gr 9
	PDF 20p EN	83.060

Specifies general procedures for the preparation, measurement, marking, storage and conditioning of rubber test pieces for use in physical tests, and the preferred conditions to be used during the tests. Special conditions applicable to a particular test or material or simulating a particular climatic environment are not included, nor are special requirements for testing whole products.

SANS 23601:2010 / ISO 23601:2009

Safety identification - Escape and evacuation plan signs

Ed 1.00	A4 20p EN	Gr 9
	PDF 20p EN	01.080.10

Establishes design principles for displayed escape plans that contain information relevant to fire safety, escape, evacuation and rescue of the facility's occupants. These plans may also be used by intervention forces in case of emergency. These plans are intended to be displayed as signs in public areas and workplaces. Not intended to cover the plans to be used by external safety services nor detailed professional technical drawings for use by specialists.

NUMERICAL LIST OF STANDARDS

Fuel cell road vehicles - Safety specifications Part 2: Protection against hydrogen hazards for vehicles fuelled with compressed

Gr 7

27.070; 43.120

Gr 12 43,120

23.100.40; 83.140.40

Gr 9

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Fuel cell ro	ad venicles - Energy consumption meas	surement - venicies tuellea with compressea hydrogen
Ed 1.00 A4	4 4/p EN	Gr 12
PI	DF 47p EN	43.120
Specifies the and that are	e procedures for measuring the energy cor not externally chargeable.	sumption of fuel cell passenger cars and light duty trucks that use compressed hydrogen
SANS 2385 Cranes - Tr	3:2006 / ISO 23853:2004 (2011-09-23) aining of slingers and signallers	
Ed 1.00 A4	4 25p EN	Gr 10
PI	DF 25p EN	03.100.30; 53.020.20
Specifies the requisite known under the de	e minimum training to be given to trainee c owledge for competency required for slinge esignation SANS 15513).	rane slingers and crane signallers to develop the basic slinging skills and to impart the ers and signallers as defined in ISO 15513 (published in South Africa as an identical adoption
SANS 2386	8:2008 / ISO 23868:2008	
Document	management - Monitoring and verification	on of information stored on 130 mm optical media
Ed 1.00 A4	4 12p EN	Gr 7
PI	DF 12p EN	37.080
Specifies ter data quality monitoring c still readable	st methods to determine the quality of data and ongoing conformance with the error lin capabilities and procedures associated with e throughout the expected life of the media	on recorded media and provides specifications enabling end-user organizations to monitor nits required for its class identified by the manufacturer of the drive/media. Defines error rate a 130 mm optical media while being used in a production environment to ensure that data are .
SANS 2391	0:2010 / ISO 23910:2007	
Leather - Pl	hysical and mechanical tests - Measure	ment of stitch tear resistance
Ed 1.00 A4	4 8p EN	Gr 6
PI	DF 8p EN	59.140.30

Specifies a method for determining the stitch tear resistance of leather. It can be used on all leathers, but is particulary suitable for leathers over 1.2 mm in thickness

SANS 23950:2010 / ISO 23950:1998

Information and documentation - Information retrieval (Z39.50) - Application service definition and protocol specification Gr 18

Ed 1.00 A4 165p EN PDF 165p EN

Defines the Information Retrieval Application Service (section 3) and specifies the Information Retrieval Application Protocol (section 4). Describes services that support capabilities within an application; the services are in turn supported by the Z39.50 protocol. Intended for systems supporting information retrieval services, and for organizations such as information services, universities, libraries, and union catalogue centers. Addresses connection-oriented, program-to-program communication. Does not address interchange of information with terminals or via other physical media.

SANS 24014-1:2007 / ISO 24014-1:2007 (2013-03-01)

Public transport - Interoperable fare management system Part 1: Architecture

Ed 1.00 A4 70p EN Gr 14 PDF 70p EN 03.220.01; 35.240.60

Provides the basis for the development of multi-operator/ multi-service Interoperable public surface (including subways) transport Fare Management Systems (IFMSs) on a national and international level.

> Standards South Africa Catalogue 2013 NUM - 640

NUMERICAL LIST OF STANDARDS

Gr 8

Gr 12

01.040.77

83.140.50; 91.140.60; 91.140.80

Specifies requirements for materials used for moulded seals made of thermoplastic elastomers (TPEs) for joints in thermoplastic piping systems for non-pressure waste water discharge (intermittent flow at up to 95 degrees celsius) inside buildings, underground drainage and sewerage (continuous flow at up to 45 degrees celsius and intermittent flow up to 95 degrees celsius), and thermoplastic rainwater piping systems.

Elastomeric seals - Requirements for materials for pipe joint seals used in water and drainage applications - Thermoplastic

SANS 23718:2011 / ISO 23718:2007 Metallic materials - Mechanical testing - Vocabulary

Ed 1.00 A4 45p EN PDF 45p EN

Defines the terminology that is used in mechanical testing of metals and forms a common basis for standards and general use.

SANS 23814:2009 / ISO 23814:2009

SANS 23711:2008 / ISO 23711:2003

PDF 16p EN

elastomers Ed 1.00 A4 16p EN

Cranes - Competency requirements for crane inspectors Ed 1.00 A4 12p EN Gr 7 PDF 12p EN 03.100.30; 53.020.20

Specifies the competency required for persons who carry out periodic, exceptional, alteration and thorough inspections of cranes. It excludes the inspection and checks performed by crane operators and maintenance personnel.

SANS 23828:2010 / ISO 23828:2008

Ed	1.00	A4 47p EN	
		PDF 47p EN	

SANS 23853:

Cranes - Trai

Ed 1.00	A4 25p EN	١					Gr	10			
	PDF 25p E	ΞN					03.1	00.	30;	53.0)2
o											

SANS 23868:

Document ma

SANS 23910:

Leather - Phy

35.240.30

p EIN	Gr 17
33p EN	35.080
nod to measure the functional size of software calculate the functional size as a result of the	e, gives guidelines on how to determine the comport e method and gives guidelines for the application of
Standards Sout	h Africa Catalogue 2013
Ν	IUM - 641

Industrial trucks - Additional requirements for automated functions on trucks

Ed 1.00	A4 14p EN	
	PDF 14p EN	

Specifies the safety requirements for controls and control systems for automated functions of industrial trucks. This standard is intended for use in conjunction with one or more of the applicable parts of ISO 3691.

SANS 24135-1:2007 / ISO 24135-1:2006

SANS 24134:2007 / ISO 24134:2006

Industrial trucks - Specifications and test methods for operator restraint systems Part 1: Lap-type seat belts

Ed 1.00	A4 10p EN	Gr 6
	PDF 10p EN	43.040.80; 53.060

Specifies requirements and test methods for operator lap-type seat belt assemblies and their associated mounting structure on industrial trucks.

SANS 24234:2008 / ISO 24234:2004

Dentistry - Mercury and alloys for dental amalgam

Ed 1.00 A4 35p EN PDF 35p EN

Specifies the requirements and test methods for alloys and mercury suitable for the preparation of dental amalgam, together with the requirements and test methods for that amalgam and the requirements for packaging and marking. It is applicable to alloys in the following forms: Powder in bulk; compressed powder tablet(s); powder in predosed capsules. It is applicable to dental mercury supplied in bulk, predosed sachets, or in predosed capsules. The supply of alloy or mercury separately is not excluded. It is not applicable to alloys intended for use with liquid metals that are not mercury, nor to liquid metal alloys.

SATR 24475:2011 / ISO TR 24475:2010

Cosmetics - Good manufacturing practices - General training document				
Ed 1.00	A4 20p EN	Gr 9		
	PDF 20p EN	71,100,70		

Aims at contributing to the training of personnel in cosmetic production plants within the context of the introduction of good manufacturing practices.

SANS 24497-1:2010 / ISO 24497-1:2007

Non-	dest	tructive testing - Met	al magnetio	c memor	y Part 1	: Voca	abulary			
Ed 1	.00	A4 9p EN						Gr 6		
		PDF 9p EN						01.040.19;	; 01.040.25	
~								 		

Specifies terms and definitions for procedures in the sphere of non-destructive testing by the method of metal magnetic memory.

SANS 24517-1:2008 / ISO 24517-1:2008

Document management - Engineering document format using PDF Part 1: Use of PDF 1.6 (PDF/E-1)				
Ed 1.00 A4 33p EN	Gr 11			
PDF 33p EN	35.240.30; 37.100.99			
Specifies the use of the Portable Document Format (PD	F) Version 1.6 for the creation of documents used in engineering workflows.			

SANS 24535:2007 (2013-03-15)

Specifies a meth specifies how to

Intelligent transport systems - Framework for electronic registration and ide	ntification of vehicles using passive radio frequency
identification (RFID)	

Ed 1.00	A4 16p EN	Gr 7
	PDF 16p EN	03.220.20; 35.240.60

Covers the use of passive RFID devices to uniquely identify all vehicles on public roads. Provides a framework for control over the registration and issuance of a passive RFID device during the normal licensing processes executed in terms of the applicable legislation.

Gr 6 37.080

the method.

SANS 24537:2007 / ISO 24537:2007 (2013-01-18)

Ed 1.00 A4 10p EN PDF 10p EN	
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Covers the essential dimensions of lightweight reels, made of plastic or metal, used for the storage and retrieval of processed 16 mm and 35 mm microfilm that is used in manually threaded equipment.

SANS 24570:2005 / ISO/IEC 24570:2005 (2012-06-29)

Software engineering - NESMA functional size measurement method version 2.1 - Definitions and counting guidelines for the application of Function Point Analysis				
Ed 1.00 A4 133p EN	Gr 17			
PDF 133p EN	35.080			
Specifies a method to measure the functional size of soft	tware, gives guidelines on how to determine the components of functional size of software,			

NUMERICAL LIST OF STANDARDS

Gr 7 53.060

Gr 11

11.060.10

SANS 24610-1:2008 / ISO 24610-1:2006 (2013-01-18)

Language resource management - Feature structures Part 1: Feature structure representation

Ed 1.00 A4 85p EN PDF 85p EN

Provides a format for the representation, storage and exchange of feature structures in natural language applications concerned with the annotation, production or analysis of linguistic data. Also defines a computer format for the description of constraints that bear on a set of features, feature values, feature specifications and operations on feature structures, thus offering a means of checking the conformance of each feature structure with regard to a reference specification.

SANS 24613:2009 / ISO 24613:2008

Language resource management - Lexical markup framework (LMF) Ed 1.00 A4 84p EN Gr 15

PDF 84p EN 01.020

Describes the Lexical Markup Framework (LMF), a metamodel for representing data in lexical databases used with monolingual and multilingual computer applications.

SANS 24705:2007 / ISO/IEC TR 24705:2005

information technology - Office machines - Machines for colour image reproduction - Method of specifying image reproduction of				
colour devices by digital and analog test charts				
Ed 1.00 A4 8	80p EN	Gr 19		
PDF	= 80p EN	37.100.10		

Deals with the colour reproduction properties of office devices, e. g. printers, scanners and monitors, which may depend on the device system, which includes e. g. the device properties and settings, the device driver, the file format, the computer operating system and the application software

SANS 24709-1:2007 / ISO/IEC 24709-1:2007

Information technology - Conformance testing for the biometric application programming interface (BioAPI) Part 1: Methods and procedures

Ed 1.00	A4 315p EN	Gr 22
	PDF 315p EN	35.040

Specifies the concepts, framework, test methods and criteria required to test conformity of biometric products claiming conformance to BioAPI (ISO/IEC 19784-1)(ISO/IEC 19784-1 was published in South Africa as an identical adoption under the designation SANS 19784-1:2007). Guidelines for specifying BioAPI conformance test suites, writing test assertions and defining procedures to be followed during the conformance testing are provided.

SANS 24709-2:2007 / ISO/IEC 24709-2:2007

Information technology - Conformance testing for the biometric application programming interface (BioAPI) Part 2: Test assertions for biometric service providers

Ed 1.00 A4 327p EN PDF 327p EN

Defines a number of test assertions written in the assertion language specified in ISO/IEC 24709-1 (published in South Africa as an identical adoption under the designation SANS 24709-1). These assertions enable a user of this standard (such as a testing laboratory) to test the conformance to ISO/IEC 19784-1 (published in South Africa as an identical adoption under the designation SANS 19784-1) (BioAPI 2.0) of any biometric service provider (BSP) that claims to be a conforming implementation of that International Standard. Each test assertion specified in this standard exercises one or more features of an implementation under test. Assertions are placed into packages (one or more assertions per package) as required by the assertion language. These assertions allow for testing conformance of BSPs of all conformance subclasses, and are further organized according to conformance subclasses and claimed support of optional features.

SANS 24709-3:2013 / ISO/IEC 24709-3:2011

Information technology - Conformance testing for the biometric application programming interface (BioAPI) Part 3: Test assertions for BioAPI frameworks

Ed 1.00	A4 207p EN	Gr 20
	PDF 207p EN	35.040; 35.240.15

Defines a number of test assertions written in the assertion language specified in ISO/IEC 24709-1 (published in South Africa as an identical adoption under the designation SANS 24709-1). Contains all test assertions for testing conformance of BioAPI frameworks to claim compliance to the BioAPI specification defined by ISO/IEC 19784-1 (published in South Africa as an identical adoption under the designation SANS 19784-1).

SANS 24710:2008 / ISO/IEC TR 24710:2005

Information technology - Radio frequency identification for item management - Elementary tag licence plate functionality for ISO/IEC 18000 air interface definitions

Ed 1.00	A4 35p EN	
	PDF 35p EN	35.040

Assists users intending to implement ISO/IEC 18000 RFID air interface standards, with particular focus on so-called elementary tags, i.e. tags possessing limited memory - typically but not exclusively 256 bits or less - and lacking write capability (but not excluding WORM devices). Defines for each of ISO/IEC 18000-2, -3, -4, -6 and -7, and, where relevant, for each Mode within each part, a transaction that achieves an elementary tag 'identification data element' for item identification and management.

35.040

Gr 22

Gr 15 01.140.20

SANS 24711:2008 / ISO/IEC 24711:2007 Method for the determination of ink cartridge yield for colour inkiet printers and multi-function devices that contain printer

wicthou for t	the determination of mix cartinge yield for colour mix	get printers and matt-function devices that con	
components	i		
Ed 1.00 A4	34p EN	Gr 12	
PD	F 34p EN	37.100.10	

Limits to the evaluation of ink cartridge page yield for ink-containing cartridges for colour inkjet printers. Applies to printer component of any multifunctional device that has a digital input printing path, including multifunction devices that contain inkjet printer components. Intends for the measurement of ink cartridge page yield when printing on plain paper. Applies only to drop-on-demand printing systems.

SANS 24713-1:2009 / ISO/IEC 24713-1:2008 Information technology - Biometric profiles for interoperability and data interchange Part 1: Overview of biometric systems and biometric profiles

Ed 1.00 A4 25p EN Gr 10 PDF 25p EN 35.040

Provides common definitions used within profile standards and references other standards applicable to the successful implementation of a generic biometric system. Describes the generic functions of the biometric system and the relationship between a biometric system and the application that uses that system.

SANS 24713-2:2009 / ISO/IEC 24713-2:2008

Informati	on technology - Biometric profiles for in	nteroperability and data interchange Part 2: Physical access control for employees at
airports		
Ed 1.00	A4 53p EN	Gr 13

Ed 1.00 A4 53p EN PDF 53p EN

Specifies the application profile including necessary parameters and interfaces between function modules in support of token-based biometric identification and verification of employees, at local access point and across local boundaries within the defined area of control in an airport. The token is expected to contain one or more reference biometrics, one or more operational biometrics, or both.

SANS 24713-3:2010 / ISO/IEC 24713-3:2009

Information technology - Biometric profiles for interoperability and data interchange Part 3: Biometrics-based verification and identification of seafarers

Ed 1.00	A4 44p EN	Gr 12
	PDF 44p EN	35.040; 35.240.15

Defines a set of base standards and criteria for applying those standards where identity documents are issued and biometrics are used to link each document to the seafarer. Provides information on the processes surrounding the enrolment and verification or identification of seafarers by using biometric components. Addresses other system components such as the storage medium for the biometric data and the security of the system.

SANS 24714-1:2009 / ISO/IEC TR 24714-1:2008

Information technology - Biometrics - Jurisdictional and societal considerations for commercial applications Part 1: General guidance

Ed 1.00 A4 31p EN PDF 31p EN

Gives guidelines for the stages in the life cycle of a system's biometric and associated elements. Covers the capture and design of initial requirements, legal frameworks, development and deployment, operations enrolment and subsequent usage, interrelationships with other systems, related data storage and security, updates and maintenance of data, training and awareness system evaluation, system audit and controlled system expiration. Areas addressed are limited to the design and implementation of biometric technologies with respect to legal and societal constraints on the use of biometric data, accessibility of the widest population, health and safety regarding direct potential hazards as well as possibility of the misuse of inferred data from biometric information.

SANS 24720:2009 / ISO/IEC TR 24720:2008

Information technology - Automa	atic identification and data capture techniques - Guidelines for direct part marking (DPM)
Ed 1.00 A4 38p EN	Gr 11
PDF 38p EN	35.040

Describes marking methods, marking surface preparation, marking location, protective coatings and other parameters that contribute to the production of quality symbols, but does not specify the information to be encoded.

SANS 24722:2007 / ISO/IEC TR 24722:2007

Informat	ion technology - Biometi	ics - Multimodal and	other multibiometric fusion
Ed 1.00	A4 39p EN		Gr 11
	PDF 39p EN		35.040

Provides descriptions of and analyses of current practices on multimodal and other multibiometric fusion, including (as appropriate) references to more detailed descriptions. Discusses the need for, and possible routes to, standardization to support multibiometric systems.

SANS 24728:2008 / ISO/IEC 24728:2006

Information technology - Automatic identification and data capture techniques - MicroPDF417 bar code symbology specification

Ed 1.00	A4 124p EN	Gr 16
	PDF 124p EN	35.040

Specifies the requirements for the bar code symbology known as MicroPDF417. It specifies the MicroPDF417 symbology characteristics, data character encodation, symbol formats, dimensions, error correction rules, decoding algorithm, and a number of application parameters. MicroPDF417 is a multi-row symbology, derived from and closely based on PDF417. MicroPDF417 is designed for applications with a need for improved area efficiency but without the requirement for PDF417's maximum data capacity

Standards South Africa Catalogue 2013

Gr 11 35.020; 35.240.15

35.040

SANS 24729-1:2009 / ISO/IEC TR 24729-1:2008

Information technology - Radio frequency identification for item management - Implementation guidelines Part 1: RFID-enabled labels and packaging supporting ISO/IEC 18000-6C Ed 1 00 A4 69p EN Gr 14

Ed 1.00 A4 69p EN PDF 69p EN

Provides guidance on the use of radio frequency identification (RFID) enabled labels and packaging in the supply chain. Guidance is provided for transponder selection, as well as the selection of media, adhesives, facestocks, and inks. Techniques are described to minimize electrostatic discharge and transponder damage.

SANS 24729-2:2009 / ISO/IEC TR 24729-2:2008

Information technology - Radio frequency identification for item management - Implementation guidelines Part 2: Recycling and RFID tags

Ed 1.00 A4 33p EN PDF 33p EN

Describes the potential for use of radio-frequency identification (RFID) as a significant enabler in the recycling of various types of products; notably home appliances and electronics. It identifies various recycling streams that are challenged by the possibility of RF tags being attached to recycled material, notably glass and steel.

SANS 24730-1:2008 / ISO/IEC 24730-1:2006

Information technology - Real-time locating systems (RTLS) Part 1: Application program interface (API)

Ed 1.00 A4 35p EN PDF 35p EN

Defines two air interface protocols and a single application program interface (API) for real-time locating systems (RTLS) for use in asset management and is intended to allow for compatibility and to encourage interoperability of products for the growing RTLS market. The RTLS API, establishes a technical standard for RTLS and to be fully compliant with this standard, RTLS must comply with ISO/IEC 24730-1:2006 and at least one air interface protocol defined in ISO/IEC 24730. RTLS are wireless systems with the ability to locate the position of an item anywhere in a defined space (local/campus, wide area/regional, global) at a point in time that is, or is close to, real time.

SANS 24730-2:2008 / ISO/IEC 24730-2:2006

Information technology - Real-time locating systems (RTLS) Part 2: 2,4 GHz air interface protocol

Ed 1.00	A4 38p EN	Gr 11
	PDF 38p EN	35.040

Specifies the air interface for a system that locates an asset in a controlled area, e.g. warehouse, campus, airport (area of interest is instrumented) - accuracy to 3 m. It defines the air interface protocol needed for the creation of an RTLS system. The 2,4 GHz air interface protocol, establishes a technical standard for real-time locating systems that operate at an internationally available 2,4 GHz frequency band and that are intended to provide approximate location with frequent updates (for example, several times a minute).

SANS 24734:2009 / ISO/IEC 24734:2009

Information technology - Office equipment - Method for measuring digital printing productivity

Ed	1.00	A4 51p EN	
		PDF 51p EN	

Provides a method for measuring the productivity of digital printing devices with various office applications and print job characteristics. Applies to digital printing devices, including single function printing and multi-function devices, regardless of print technology. Includes test files, test setup procedure, test runtime procedure, and the reporting requirements for the digital printing productivity measurements

SANS 24735:2009 / ISO/IEC 24735:2009 (2010-10-22)

Information technology - Office equipment - Method for measuring digital copying productivity

Ed 1.00	A4 37p EN	Gr 0
	PDF 37p EN	37.100.10

Provides a method for measuring digital copying productivity of digital copying devices and multifunctional devices with various copying modes. Allows comparison of the throughput copying rates for a machine operated in various available operating modes and various available digital image processing configurations. Includes test files, test setup procedure, test procedure, and the reporting requirements for the digital copying productivity measurements.

Cor 1(International), 2010-10-22

SANS 24741:2009 / ISO/IEC TR 24741:2007

Information technology - Biometrics tutorial

Ed 1.00	A4 64p EN	Gr 15
	PDF 64p EN	35.040

Describes the main biometric technologies, with some historical information. An annex describes the work of creating International Standards for biometrics and provides a layered model for the placement of the various International Standards being produced, with a short description of each. A second annex contains some of the terms and definitions currently used in these International Standards or the drafts of these International Standards.

Gr 11 35.040; 35.240.60

35.040; 35.240.60

Gr 11

35.040; 35.080

Gr 0 37.100.10

Gr 15

35.080

SANS 24744:2008 / ISO/IEC 24744:2007

Software engineering - Metamodel for development methodologies

Ed 1.00 A4 85p EN PDF 85p EN

Defines the software engineering metamodel for development methodologies (SEMDM), which establishes a formal framework for the definition and extension of development methodologies for information-based domain (IBD), such as software, business or systems, including three major aspects: the process to follow, the work products to use and generate, and the people and tools involved. This metamodel can serve as a formal basis for the definition and extension of any IBD development methodology and of any associated metamodel, and will be typically used by method engineers while undertaking such definition and extension tasks.

SANS 24751-1:2011 / ISO/IEC 24751-1:2008

Information technology - Individualized adaptability and accessibility in e-learning, education and training Part 1: Framework and reference model Ed 1 00 A4 41n EN Cr 12

Lu 1.00				
	PDF 41p EN			03.100.30; 35.240.99

Provides a common framework to describe and specify learner needs and preferences on the one hand and the corresponding description of the digital learning resources on the other hand.

SANS 24751-2:2012 / ISO/IEC 24751-2:2008

Information technology - Individualized adaptability and accessibility in e-learning, education and training Part 2: "Access for all" personal needs and preferences for digital delivery			
Ed 1.00 A4 102p EN	Gr 16		
PDF 102p EN	03.100.30; 35.240.99		
Provides a common information model for describing the learner or user needs and preferences when accessing digitally delivered services.			
SANS 24751-3:2011 / ISO/IEC 24751-3:2008			

Information technology - Individualized adaptability and accessibility in e-learning, education and training Part 3: "Access for all" digital resource description

Ed 1.00	A4 44p EN	Gr 12
	PDF 44p EN	03.100.30; 35.240.99

Is intended to meet the needs of learners with disabilities and anyone who is disabled by their context.

SANS 24759:2010 / ISO/IEC 24759:2008

Information technology - Security techniques - Test requirements for cryptographic modules

Ed 1.00	A4 108p EN	Gr 16
	PDF 108p EN	35.040

Specifies the methods to be used by testing laboratories to test whether a cryptographic module conforms to the requirements specified in ISO/IEC 19790:2006 (published in South Africa as an identical adoption under the designation SANS 19790). The methods are developed to provide a high degree of objectivity during the testing process and to ensure consistency across the testing laboratories.

SANS 24761:2010 / ISO/IEC 24761:2009

Informat	ion technology - Security techniques - Authentication	context for biometrics
Ed 1.00	A4 57p EN	Gr 14
	PDF 57p EN	35 040 35 240 15

35.040; 35.240.15

Specifies the structure and the data elements of Authentication Context for Biometrics (ACBio), which is used for checking the validity of the result of a biometric verification process executed at a remote site, and the cryptographic syntax of an ACBio instance. Allows any ACBio instance to accompany any data item that is involved in any biometric process related to verification and enrolment. The specification of ACBio is applicable not only to single modal biometric verification but also to multimodal fusion.

SANS 24762:2008 / ISO/IEC 24762:2008

Information technology - Security techniques - Guidelines for information and communications technology disaster recovery services

Ed 1.00 A4 78p EN PDF 78p EN

Provides guidelines on the provision of information and communications technology disaster recovery (ICT DR) services as part of business continuity management, applicable to both "in-house" and "outsourced" ICT DR service providers of physical facilities and services. Specifies requirements for implementing, operating, monitoring and maintaining ICT DR services and facilities; the capabilities of outsourced providers; practices to follow to provide basic secure operating environment and facilitate recovery efforts.

SANS 24766:2011 / ISO/IEC TR 24766:2009

Information technology - Systems and sof	ware engineering - Guide for	r requirements engineering too	capabilities
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Ed 1.00	A4 30p EN	Gr 10
	PDF 30p EN	35.080

Requirements engineering (RE) is an essential process of the systems and software engineering life cycles. Provides guidance on desirable capabilities of RE tools.

Gr 14 35.040

SANS 24773:2009 / ISO/IEC 24773:2008

Software engineering - Certification of software engineering professionals - Comparison framework

Ed 1.00 A4 14p EN PDF 14p EN

35.080

Gr 7

Establishes a framework for comparison of schemes for certifying software engineering professionals. It specifies the items that a scheme is reguired to contain and indicates what should be defined for each item

SANS 24774:2008 / ISO/IEC TR 24774:2007

Software and systems engineering - Life cycle management - Guidelines for process description

Ed 1.00	A4 10p EN	Gr 6
	PDF 10p EN	35.080

Describes process models for a range of purposes including process implementation and assessment. The terms and descriptions used in such models vary in format, content and level of prescription. It presents guidelines for the elements used most frequently in describing a process: the title, purpose statement, outcomes, activities and tasks. Whilst the primary purpose of this standard is to encourage consistency in standard process reference models, the guidelines it provides may be applied to any process model developed for any purpose.

SANS 24778:2008 / ISO/IEC 24778:2008 ntiënstien ondelste sontene testenimes. Aste Orde hen sode some steme meditisetier

information technology - Automatic identification a	nd data capture techniques - Aztec Code bar code sympology specification
Ed 1.00 A4 50p EN	Gr 12
PDF 50p EN	35.040
Defines the requirements for the Aztec Code symbolog	y (Aztec Code is a two-dimensional matrix symbology whose symbols are nominally square,

up of square modules on a square grid, with a square bullseye pattern at their centre). It specifies the Aztec Code symbology characteristics including data character encodation, rules for error control encoding, the graphical symbol structure, symbol dimensions and print quality requirements, a reference decoding algorithm, and user-selectable application parameters.

SANS 24978:2012 / ISO 24978:2009

Intelligent transport systems -	ITS safety and emergency messages using any available wireless media - Data registry procedures
Ed 1.00 A4 96p EN	Gr 16

Р	PDF 96p EN			03.220.01; 03.220.	20; 35.240.60			
Provides a	standardized set of protocols,	parameters,	and a method of manageme	nt of an updateable	"data registry'	" to provide a	application	layers

for "ITS safety messages" using any available wireless media.

SANS 25000:2007 / ISO/IEC 25000:2005

Software Engineering -	Software product	quality requirements	and evaluation	(SQuaRE) -	Guide to S	SQuaRE

Ed 1.00	A4 48p EN	Gr 12
	PDF 48p EN	35.080

Defines a general overview of Software product Quality Requirements and Evaluation (SQuaRE) contents, common reference models and definitions, as well as the relationship among the documents, allowing users of this guide a good understanding of those series of International Standards according to their purpose of use.

SANS 25001:2008 / ISO/IEC 25001:2007

Software engineering - Software product Quality Requirements and Evaluation (SQuaRE) - Planning and management

Ed 1.00 A4 22p EN PDF 22p EN

Provides details about the planning and management requirements associated with software product quality requirements and evaluation. While it is mainly concerned with product quality requirements and evaluation, wherever it is relevant the corresponding process requirements and evaluation activities are also discussed. It also aims to clarify the requirements which should be identified by the organization in order to ensure the success of specifying quality requirements and executing the evaluation. It is intended to be used in conjunction with the other parts of the SQuaRE series (ISO/IEC 25000(SANS 25000)-ISO/IEC 25051(SANS 25051)) of International Standards, and with ISO/IEC 14598(SANS 14598) series and ISO/IEC 9126-1(SANS 9126-1) until superseded by the ISO/IEC 25000 (SANS 25000) series of International Standards.

SANS 25012:2009 / ISO/IEC 25012:2008

Software engineering - Software product quality requirements and evaluation (SQuaRE) - Data quality model Ed 1.00 A4 22p EN Gr 9

PDF 22p EN 35.080

Defines and evaluates data quality requirements in data production, acquisition and integration processes. It identifies data quality assurance criteria, also useful for re-engineering assessment and improvement of data.

SANS 25020:2008 / ISO/IEC 25020:2007

Software	e engineering - Software product Quality Requirements and Evaluation	on (SQuaRE) - Measurement reference model and guide
Ed 1.00	A4 24p EN	Gr 10
	PDF 24p EN	35,080

Provides a measurement reference model and guide for measuring the quality characteristics. It sets requirements for the selection and construction of quality measures. It also contains informative annexes addressing the following topics: criteria for selecting software quality measures and quality measure elements, demonstrating predictive validity and assessing measurement reliability, and an example format for documenting software quality measures.

Gr 9

35.080

Standards South Africa Catalogue 2013 NUM - 647

Establishes standard measurement procedures applicable to terms commonly used in the exhibition industry.

Defines the quality requirements for COTS software products; in addition to the q documentation. A COTS software product includes the product description, the us sensible media. The quality requirements, functionality, reliability, usability, efficie with the definitions of SQuaRE.	uality requirements also defines the requirements for test ser documentation and the software contained on a computer ncy, maintainability, portability, and quality in use are conistent
SANS 25062:2009 / ISO/IEC 25062:2006 Software engineering - Software product Quality Requirements and Evaluat usability test reports	ion (SQuaRE) - Common Industry Format (CIF) for
Ed 1.00 A4 53p EN	Gr 14
PDF 53p EN	35.080
Provides a standard method for reporting usability test findings. The format is des quantitative measurements were collected, and is particulary appropriate for com	igned for reporting results of formal usability tests in which parative testing.
SANS 25577:2009 / ISO 25577:2008 Information and documentation - MarkXchange	
Ed 1.00 A4 22p EN	Gr 9
PDF 22p EN	35.240.30
Specifies the requirements for a generalized XML-based exchange format for bibl define the length or the content of individual records and does not assign any me	iographic records, as well as other types of metadata. It does not aning to tags.
SANS 25599:2008 / ISO/TR 25599:2005 Cranes - Jib cranes - International standards for design, manufacturing, use	and maintenance requirements and recommendations
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	53.020.20
Collects the design, manufacturing, use and maintenance requirements and reco	mmendations for jib cranes in ISO and IEC standards.
SANS 25639-1:2009 / ISO 25639-1:2008	
Exhibitions, shows, fairs and conventions Part 1: vocabulary	C* 9
PDF 20p EN	
	01.020, 01.040.97, 97.200.99
specifies terms and definitions that are commonly used in the exhibition industry. and entity, which lists and classifies the various types of people involved in the ex- types of exhibitions and their related meetings, (c) physical item, which describes and print material, and (d) miscellaneous.	hibition industry, (b) type of event, which defines the different the various component sizes of the exhibition, the types of facility
SANS 25639-2:2009 / ISO 25639-2:2008	
Exhibitions, shows, fairs and conventions Part 2: Measurement procedures	for statistical purposes
Ed 1.00 A4 12p EN	Gr 6
PDF 12p EN	03 120 30

PDF 43p EN 35.080

Software engineering - Software product Quality Requirements and Evaluation (SQuaRE) - Quality requirements

Provides requirements and recommendations for the specification of software product quality requirements. It applies to organisations in their role as both acquirers and suppliers. It focuses on software quality requirements, but takes a system perspective since software is normally developed and applied as part of a larger system.

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SANS 25030:2008 / ISO/IEC 25030:2007

SANS 25021:2008 / ISO/IEC TR 25021:2007

characteristics and subcharacteristics defined in ISO/IEC 9126.

Ed 1.00 A4 68p EN

Ed 1.00 A4 43p EN

Ed 1.00 A4 34p EN

PDF 34p EN

PDF 68p EN

SANS 25051:2007 / ISO/IEC 25051:2006
Software engineering - Software product quality requirements and evaluation (SQuaRE) - Requirements for quality of Commercia
Off-The-Shelf (COTS) software product and instructions for testing

NUMERICAL LIST OF STANDARDS

Software engineering - Software product Quality Requirements and Evaluation (SQuaRE) - Quality measure elements

Defines the set of quality measure elements to be used throughout the software product life cycle for the purpose of Software Product Quality Requirement and Evaluation (SQuaRE). While some quality measure elements can be used as standalone quality measures, their main purpose is to be the building blocks for other SQuaRE measurements as described in ISO/IEC TR 9126-2(SANS 9126-2), ISO/IEC TR 9126-3(SANS 9126-3) and ISO/IEC TR 9126-4(SANS 9126-4). It also constitutes the link between ISO/IEC 9126 and the subsequent SQuaRE series of standards. This

Gr 14 35.080

standard contains informative annexes documenting the cross-reference relationship between the quality measure elements and quality measures,

Gr 12

Gr 11

35.080

03.120.30

Gr 10

03.100.01; 35.020

SANS 25777:2010 / BS 25777:2008

Information and communications technology continuity management - Code of practice

Ed 1.00	A4 30p EN PDF 30p EN		

Gives recommendations for information and communications technology (ICT) continuity management within the framework of business continuity management provided by BS 25999.

SANS 25841:2011 / ISO 25841:2011

Ed 1.00	A4 47p EN	Gr 12
	PDF 47p EN	11.200

Specifies the minimum requirements and test methods for female condoms, which are supplied to consumers for contraceptive purposes assisting in the prevention of sexually transmitted infections.

SANS 26000:2010 / ISO 26000:2010

Guidanc	e on social responsibility	
Ed 1.00	A4 117p EN	Gr 16
	PDF 117p EN	03.100.01

Provides guidance to all types of organizations, regardless of their size or location, on concepts, terms and definitions related to social responsibility, the background, trends and characteristics of social responsibility, principles and practices relating to social responsibility, the core subjects and issues of social responsibility, integrating, implementing and promoting socially responsible behaviour throughout the organization and, through its policies and practices, within its sphere of influence, identifying and engaging with stakeholders, and communicating commitments, performance and other information related to social responsibility.

SATR 26122:2010 / ISO/TR 26122:2008

Information and documentation - Work process analysis for records

Ed 1.00	A4 22p EN	Gr 9
	PDF 22p EN	01.140.20

Provides guidance on work process analysis from the perspective of the creation,capture and control of records. Identifies two types of analyses, namely functional analysis (decomposition of functions into processes), and sequential analysis (investigation of the flow of transactions). Each analysis entails a preliminary review of context (i.e. mandate and regulatory environment) appropriate for the analysis. The components of the analysis can be undertaken in various combinations and in a different order from that described here, depending on the nature of the task, the scale of the project, and the purpose of the analysis. Includes guidance in the form of lists of questions/matters to be considered under each element of the analysis.

Cor 1(International), 2010-03-05

SANS 26300:2008 / ISO/IEC 26300:2006

Information technology - Open Document Format for Office Applications (OpenDocument) v1.0

Ed 1.00 A4 724p EN PDF 724p EN

Defines an XML schema for office applications and its semantics. The schema is suitable for office documents, including text documents, spreadsheets, charts and graphical documents like drawings or presentations, but is not restricted to these kinds of documents. Defines suitable XML structures for office documents and is friendly to transformations using XSLT or similar XML-based tools.

Gr 0

35.240.30

SANS 26513:2010 / ISO/IEC 26513:2009

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Ed 1.00	A4 61p EN	Gr 14
	PDF 61p EN	35.080

Supports the interest of software users in receiving consistent, complete, accurate, and usable documentation. Defines the process in which user documentation products are tested. Intended neither to encourage nor discourage the use of either printed or electronic (on-screen) media for documentation, or of any particular documentation testing or management tools or methodologies. Specifies processes for use in testing and reviewing of user documentation.

SANS 26514:2009 / ISO/IEC 26514:2008

Systems and software engineering - Requirements for designers and developers of user documentation

Ed 1.00	A4 154p EN	Gr 18
	PDF 154p EN	35.080

Provides requirements for the design and development of software user documentation as part of the life cycle processes. It specifies the structure, content and format for user documentation.

SANS 26702:2008 / ISO/IEC 26702:2007

Systems	engineering -	Application and	management of the syste	ems engineering process	
Ed 1.00	A4 102p EN			Gr 16	
	PDF 102p EN			35.080	

Defines the interdisciplinary tasks which are required throughout a system's life cycle to transform customer needs, requirements and constraints into a system solution. In addition, it specifies the requirements for the systems engineering process and its application throughout the product life cycle. Focuses on engineering activities necessary to guide product development, while ensuring that the product is properly designed to make it affordable to produce, own, operate, maintain and eventually dispose of without undue risk to health or the environment.

11.040.10

11.040.10; 11.040.25

SANS 26782:2010 / ISO 26782:2009

Anaesthetic and respiratory equipment - Spirometers intended for the measurement of time forced expired volumes in humans Ed 1.00 A4 36p EN Gr 11

PDF 36p EN

Specifies requirements for spirometers intended for the assessment of pulmonary function in humans weighing more than 10 kg. It applies to spirometers that measure time forced expired volumes, either as part of an integrated lung function device or as a stand-alone device, irrespective of the measuring method employed.

Cor 1(International), 2010-06-17

SANS 26825:2009 / ISO 26825:2008

Anaesthetic and respiratory equipment - User-applied labels for syringes containing drugs used during anaesthesia - Colours, design and performance Ed 1.00 A4 10p EN Gr 7

Ed 1.00 A4 10p EN PDF 10p EN

Gives requirements for labels which the user attaches to syringes so that the contents can be identified just before use during anaesthesia. It covers the colour, size, design and general properties of the label and the typographical characteristics of the wording for the drug name. It does not give requirements for labels applied to a syringe or cartridge by the drug manufacturer.

SANS 26866:2010 / ISO 26866:2009

Road vehicles - Brake lining friction materials - St	andard wear test procedure for commercial vehicles with air brakes
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	43.040.40
Applies to commercial vehicles with air brakes in the oprototypes, product specification or validation, and on	categories M2, M3, N2, N3, O3 and O4. Applies during product development, product going series production.
SANS 27000:2009 / ISO/IEC 27000:2009	
Information technology - Security techniques - Info	ormation security management systems - Overview and vocabulary
Ed 1.00 A4 26p EN	Gr 10
PDF 26p EN	01 040 35: 35 040

Provides an overview of information security management systems, which form part of the subject of the information security management system (ISMS) family of standards, and defines related terms. Provides terms and definitions, and an introduction to the ISMS family of standards.

SANS 27001:2006 / ISO/IEC 27001:2005 (2010-12-09)

Information technology - Security techniques -	Information security management systems -	Requirements
	0	

Ed 1.00 A4 41p EN	Gr 12
PDF 41p EN	35.040
Specifies the requirements for establishing, implementing	. operating, monitoring, reviewing, maintaining and imi

Specifies the requirements for establishing, implementing, operating, monitoring, reviewing, maintaining and improving a documented information security management system (ISMS) within the context of the organization's overall business risks. Covers all types of organizations (e.g. commercial enterprises, government agencies, non-profit organizations) and specifies requirements for the implementation of security controls customized to the needs of individual organizations or parts thereof.

SANS 27002:2008 / ISO/IEC 27002:2005

Information technology - Security techniques - Code of practice for information security management

Ed 1.00	A4 134p EN	Gr 17
	PDF 134p EN	35.040

Sets out guidelines and general principles for initiating, implementing, maintaining, and improving information security management in an organization. Contains best practices regarding control objectives and controls in information security management.

SANS 27003:2010 / ISO/IEC 27003:2010

Information technology - Security techniques - Information security management system implementation guidance

Ed 1.00	A4 75p EN	Gr 14
	PDF 75p EN	35.040

Focuses on the critical aspects needed for successful design and implementation of an Information Security Management System (ISMS) in accordance with ISO/IEC 27001 (published in South Africa as an identical adoption under the designation SANS 27001). Describes the process of ISMS specification and design from inception to the production of implementation plans.

SANS 27004:2010 / ISO/IEC 27004:2009

Information technology -	Security techniques - I	nformation secur	ity management - N	Measurement
Ed 1.00 A4 63p EN			Gr 14	L

PDF 63p EN 35.040

Provides guidance on the development and use of measures and measurement in order to assess the effectiveness of an implemented information security management system (ISMS) and controls or groups of controls, as specified in ISO/IEC 27001 (published in South Africa as an identical adoption under the designation SANS 27001).

SANS 27005:2012 / ISO/IEC 27005:2011

Informat	on technology - Security techniques - Inf	ormation security risk management
Ed 2.00	A4 75p EN	Gr 14
	PDF 75p EN	35.040

Provides guidelines for information security risk management.

Gr 12

35.040

SANS 27006:2013 / ISO/IEC 27006:2011

Information technology - Security techniques - Requirements for bodies providing audit and certification of information security management systems

Ed 2.00 A4 44p EN PDF 44p EN

Specifies requirements and provides guidance for bodies providing audit and certification of an information security management system (ISMS), in addition to the requirements contained within ISO/IEC 17021 (published in South Africa as an identical adoption under the designation SANS 17021) and ISO/IEC 27001 (published in South Africa as an identical adoption under the designation SANS 27001). Intended to support the accreditation of certification bodies providing ISMS certification.

SATR 27008:2012 / ISO/IEC TR 27008:2011

Information technology - Security techniques - Guidelines for auditors on information security controls

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		PDF 43p EN								3	35.0)40	
Ed	1.00	A4 43p EN								(Gr	12	

Provides guidance on reviewing the implementation and operation of controls, including technical compliance checking of information system controls, in compliance with an organization's established information security standards. Applies to all types and sizes of organizations, including public and private companies, government entities, and not-for-profit organizations conducting information security reviews and technical compliance checks. Is not intended for management systems audits.

SANS 27011:2009 / ISO/IEC FDIS 27011:2008

Informati	on technology - Information security managemer	t guidelines for telecommunications
	A4 64n EN	Gr 14

Еα	1.00	A4 64P EN	GF 14
		PDF 64p EN	35.040

Define guidelines supporting the implementation of Information Security Management in telecommunications organizations. This International Standard will allow telecommunications organizations to meet baseline information security management requirements of confidentiality, integrity, availability and any other relevant security property.

SANS 27031:2012 / ISO/IEC 27031:2011

Information technology - Security techniques - Guidelines for information and communication technology readiness for business continuity

Ed 1.00	A4 45p EN	Gr 12
	PDF 45p EN	35.040

Describes the concepts and principles of information and communication technology (ICT) readiness for business continuity, and provides a framework of methods and processes to identify and specify all aspects (such as performance criteria, design, and implementation) for improving an organization's ICT readiness to ensure business continuity. Applies to any organization (private, governmental and non-governmental, irrespective of size) developing its ICT readiness for business continuity (IRBC) program, and requiring its ICT services/infrastructures to be ready to support business operations in the event of emerging events and incidents, and related disruptions, that could affect continuity (including security) of critical business functions. Enables an organization to measure performance parameters that correlate to its IRBC in a consistent and recognized manner.

SANS 27033-1:2010 / ISO/IEC 27033-1:2009

Information technology - Security techniques - Network security Part 1: Overview and concepts Ed 1.00 A4 82p EN Gr 15

Ed	1.00	A4 82p EN	
		PDF 82p EN	

Provides an overview of network security and related definitions. Defines and describes the concepts associated with, and provides management guidance on, network security.

35.040

SANS 27033-3:2012 / ISO/IEC 27033-3:2010

Information technology - Security techniques - and control issues	Network security Part 3: Reference networking scenarios - Threats, design techniques
Ed 1.00 A4 35p EN	Gr 11
PDF 35p EN	35.040
Describes the threats, design techniques and contribution threats and the security design techniques and contribution of techniques a	rol issues associated with reference network scenarios. Provides detailed guidance on securit ntrols required to mitigate the associated risks.
SANS 27668-1:2009 / ISO 27668-1:2009	

Gel ink ball pens and	refills Part 1: General use

Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	97.180

Establishes minimum quality requirements for gel ink ball pens (refillable and non-refillable) and refills for general use.

SANS 27668-2:2009 / ISO 27668-2:2009			
Gel ink ba	II pens and refills Part 2: Documentary use (DOC)		
Ed 1.00 A F	A4 9p EN PDF 9p EN	Gr 6 01 100 40: 97 180	

Establishes minimum quality requirements for gel ink ball pens (refillable or non-refillable) and refills for documentary use.

Standards South Africa Catalogue 2013 NUM - 651

Specifies the requirements for electrodeposited gold and gold alloy coatings for electrical, electronic and other engineering applications on metallic and non-metallic substrates. Also specifies test methods for measuring the properties of the coatings.

Road vel	hicles - Securing of cargo in passenger cars, station wagons	and multi-purpose vehicles - Requirements an	d test methods
Ed 1.00	A4 22p EN	Gr 9	
	PDF 22p EN	43.020: 43.100	

Applies to devices for the securing of cargo in passenger cars, station wagons and multi-purpose passenger cars, where the seats directly delimit the loading space. Defines minimum requirements and tests for front and rear seats and partitioning systems, in order to improve the protection of the vehicle occupants against shifting load during a frontal impact. Also defines minimum requirements and tests for lashing points in the abovementioned vehicles in order to be able to secure a load (luggage or goods) in a reliable and roadworthy way.

SANS 28000:2010 / ISO 28000:2007

Specification for security management systems for the supply chain

Ed 1.00	A4 23p El PDF 23p I	N EN			Gr 10 03.100.10; 47.020.05; 47.020.99
o					

Specifies requirements for a security management system, including those aspects critical to security assurance of the supply chain. Security management is linked to many other aspects of business management. Aspects include all activities controlled or influenced by organizations that impact on supply chain security. These other aspects should be considered directly, where and when they have an impact on security management, including transporting these goods along the supply chain.

SANS 28001:2010 / ISO 28001:2007

Security management systems for the supply chain - Best practices for implementing supply chain security, assessments and plan	s -
Requirements and guidance	

Ed 1.00	A4 34p EN	Gr 11
	PDF 34p EN	47.020.99

Provides requirements and guidance for organizations in international supply chains to develop and implement supply chain security processes, establish and document a minimum level of security within a supply chain(s) or segment of a supply chain, assist in meeting the applicable authorized economic operator (AEO) criteria set forth in the World Customs Organization Framework of Standards and conforming national supply chain security programmes.

SANS 28003:2008 / ISO 28003:2007

Security management systems for the supply chain - Requirements for bodies providing audit and certification of supply chain security management systems

1.00	A4 50p EN	Gr 12	
	PDF 50p EN	03.120.	.1

Contains principles and requirements for bodies providing the audit and certification of supply chain security management systems in accordance with management system specifications and standards such as ISO 28000. It defines the minimum requirements of a certification body and its associated auditors, recognizing the unique need for confidentiality when auditing and certifying or registering a client organization.

SANS 28004:2010 / ISO 28004:2007

Security management systems for the supply chain - Guidelines for the implementation of ISO 28000

Ed 1.00 A4 63p EN PDF 63p EN

100 mm to 1200 mm.

Fd

Provides generic advice on the application of ISO 28000 (published in South Africa as an identical adoption under the designation SANS 28000). Explains the underlying principles and describes the intent, typical inputs, processes and typical outputs for each requirement.

Specifies requirements for two types, seven classes and three grades of wire- or textile-reinforced dredging hoses with nominal sizes ranging from

SANS 28017:2009 / ISO 28017:2009

Rubber hoses and hose assemblies, Wire or textile reinforced, for dredging applications - Specification

Ed 1.00 A4 18p EN PDF 18p EN

NUMERICAL LIST OF STANDARDS

01.040.07; 07.030

Lists unambiguous terms and definitions related to particles in the field of nanotechnologies. Is intended to facilitate communications between organizations and individuals in industry and those who interact with them.

SANS 27874:2011 / ISO 27874:2008

SANS 27955:2011 / ISO 27955:2010

PDF 14p EN

Ed 1.00 A4 14p EN

Metallic and ot	ther inorganic coatings - Electrodeposited gold and gold allo	y coatings for electrical, electronic and engineering
purposes - Spe	ecification and test methods	
Ed 1.00 A4 31	p EN	Gr 11
PDF 3	dip EN	25 220 40

Gr 14 47.020.99

0

23.040.70: 83.140.40

Gr 8

25.220.40

SANS 27687:2008 / ISO/TS 27687:2008 Nanotechnologies - Terminology and definitions for nano-objects - Nanoparticle, nanofibre and nanoplate

Gr 7

Standards South Africa Catalogue 2013 NUM - 652

Specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven saws, polishing and

filing machines with reciprocating action and small saws with oscillating or rotating action. Applies to reciprocating files intended for surface finishing equipped with a file or polishing tool, saws intended for parting sheets, plaster for medical use or wood, or equipped with a saw blade for use on all kinds of materials, and small circular saws primarily intended for cutting metal or composite materials, whether driven pneumatically or by other means.

SANS 29001:2012 / ISO/TS 29001:2010

SANS 28500:2009 / ISO 28500:2009

SANS 28927-8:2012 / ISO 28927-8:2009

PDF 35p EN

PDF 31p EN

Ed 1.00 A4 35p EN

Ed 1.00 A4 31p EN

Information and documentation - WARC file format

to store arbitrary metadata linked to other stored data.

reciprocating action and small saws with oscillating or rotating action

Petroleum, petrochemical and natural gas industries - Sector-specific quality management systems - Requirements for product and
service supply organizations

Ed 3.00 A4 42p EN PDF 42p EN

Specifies requirements for a quality management system where an organization needs to demonstrate its ability to consistently provide product that meets customer and applicable statutory and regulatory requirements, and aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

SANS 29109-1:2010 / ISO/IEC 29109-1:2009

Information technology - Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 Part 1: Generalized conformance testing methodology

Ed 1.00	A4 33p EN	Gr 11
	PDF 33p EN	35.040; 35.240.15

Defines the concepts of conformance testing for biometric data interchange formats and a general conformance testing framework. Specifies common (modality-neutral) elements of the testing methodology, such as test methods and procedures, implementation conformance claim and test results reporting. Provides the assertion language definition and other testing and reporting requirements, and outlines other conformance testing methodology that are generally applicable and not modality-specific. Describes different types and levels of conformance testing and their applicability.

SANS 29109-2:2011 / ISO/IEC 29109-2:2010

Information technology - Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 Part 2: Finger minutiae data

Ed 1.00 A4 47p EN PDF 47p EN

Specifies elements of conformance testing methodology, test assertion, test procedures and test of semantic assertion as applicable to the biometric data format interchange standard relating to finger minutiae data.

SANS 29109-4:2011 / ISO/IEC 29109-4:2010

Information technology - Finger image data	Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 Part 4:

Ed 1.00 A4 22p Er PDF 22p EN

Specifies elements of conformance testing methodology, test assertion and test procedures. Establishes test assertion of the structure of the finger image data format and internal consistency by checking the types of value that may be contained within each field.

SANS 29141:2010 / ISO/IEC 29141:2009

SANS 29159-1:2011 / ISO/IEC 29159-1:2010

Information technology - Biometrics - Tenprint capture using biometric application programming interface (BioAPI) Gr 11

Ed 1.00 A4 32p EN PDF 32p EN

Specifies requirements for the use of ISO/IEC 19784-1 (published in South Africa as an identical adoption under the designation SANS 19784-1) to perform a tenprint capture operation. Describes a biometric data block to interact with a BioAPI framework to support a tenprint capture to conform the capture control block and a capture output block with biometric service providers (BSPs) that support this standard.

Informat	ion technology - Biometric calibration, augmentation and fusion dat	a Part 1: Fusion information format
Ed 1.00	A4 32p EN	Gr 11
	PDF 32p EN	35 040: 35 240 15

Specifies a biometric fusion information format that establishes machine readable data formats to describe the statistics of comparison score inputs to a fusion process. Does not standardize comparison-score normalization processes, nor standardize or define fusion processes.

NUMERICAL LIST OF STANDARDS

Specifies the WARC file format to store both the payload content and control information from mainstream Internet application layer protocols, and

Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 8: Saws, polishing and filing machines with

13.160; 25.140.20

Gr 11

Gr 11

35.240.30

Gr 12 03.120.10; 75.020

Gr 12 35.040; 35.240.15

Gr 9 35.040; 35.240.15

35.040; 35.240.15

35.040; 35.240.15

Gr 12

Gr 17

35.060: 35.240.30

35.040; 35.240.15

SANS 29164:2013 / ISO/IEC 29164:2011

Information technology - Biometrics - Embedded BioAPI

Ed 1.00 A4 48p EN PDF 48p EN

Provides a standard interface to hardware biometric modules designed to be integrated in embedded systems which can be constrained in memory and computational power. Specifies a full interface for such hardware-based biometric modules.

SANS 29500-1:2012 / ISO/IEC 29500-1:2011

PDF 5588p EN

Information technology - Document description and processing languages - Office Open XML File Formats Part 1: Fundamentals and Markup Language Reference Ed 1.00 CDROM 5588p EN 35.060; 35.240.30

Defines a set of XML vocabularies for representing word-processing documents, spreadsheets and presentations. Aims to represent the preexisting corpus, to specify requirements for Office Open XML consumers and producers, and to facilitate extensibility and interoperability by enabling implementations by multiple vendors and on multiple platforms. Specifies concepts for documents and applications of both strict and transitional conformance.

SANS 29500-2:2012 / ISO/IEC 29500-1:2011

Information technology - Document description and processing languages - Office Open XML File Formats Part 2: Open Packaging Conventions

Ed 1.00 A4 138p EN PDF 138p EN

Specifies a set of conventions that are used by Office Open XML documents to define the structure and functionality of a package in terms of a package model and a physical model. Specifies requirements for documents, producers and consumers. Conformance requirements are identified throughout the text. An informative summary of requirements relevant to particular classes of developers is given in Annex H.

SANS 29500-3:2012 / ISO/IEC 29500-3:2011

Information technology - Document description and processing languages - Office Open XML File Formats Part 3: Markup **Compatibility and Extensibility** Gr 12

Ed 1.00 A4 47p EN PDF 47p EN

Describes a set of conventions that are used by Office Open XML documents to clearly mark elements and attributes introduced by future versions or extensions of Office Open XML documents, while providing a method by which consumers can obtain a baseline version of the Office Open XML document (a version without extensions) for interoperability.

SANS 29500-4:2012 / ISO/IEC 29500-4:2011

Information technology - Document description and processing languages - Office Open XML File Formats Part 4: Transitional **Migration Features**

Ed 1.00 CDROM 1584p EN PDF 1584p EN

Defines features for backward-compatibility and that are useful for high-quality migration of existing binary documents to ISO/IEC 29500 (published in South Africa as an identical adoption under the designation SANS 29500).

SANS 29794-1:2010 / ISO/IEC 29794-1:2009

Information technology - Biometric sample quality Part 1: Fra	nework
Ed 1.00 A4 30p EN	

	ai io
PDF 30p EN	35.040; 35.240.15

Specifies the derivation, expression and interpretation of biometric sample quality scores and data, and interchange of these scores and data via the multipart ISO/IEC 19794, Information technology - Biometric data interchange formats (published in South Africa as identical adoptions under the designations SANS 19794-1 and SANS 19794-2).

SATR 29794-4:2011 / ISO/IEC TR 29794-4:2010

Information technology - Biometric sample quality Part 4: Finger image data

Ed 1.00 A4 22p EN PDF 22p EN

Specifies terms and definitions that are useful in the specification and test of finger image quality metrics. Defines the interpretation of finger image quality scores and identifies or defines finger image corpora for the purpose of serving as information for algorithm developers and users.

SANS 29803:2010 / ISO 29803:2010

Thermal composi	insulation products for building applications - Determination of the r te systems (ETICS)	esistance to impact of external thermal insulation
Ed 1.00	A4 12p EN	Gr 7
	PDF 12p EN	91.100.60

Specifies equipment and a procedure for determining the resistance to impact of external thermal insulation composite systems (ETICS).

35.240.30

35.060: 35.240.30

35.040; 35.240.15

Gr 10

Gr 9

Ed 1.00 A4 12p EN PDF 12p EN	Gr 7 91 100 60
Specifies equipment and procedures for determining the tensile bond strength of material.	the adhesive and of the base coat to the thermal insulation
SANS 29861:2010 / ISO 29861:2009	
Document management applications - Quality control for scanning office do	ocuments in colour
Ed 1.00 A4 12p EN PDF 12p EN	Gr / 37.080
Specifies test methods for evaluating the consistency of the colour output quality Applies to assessing the output quality of colour scanners used in the office. Doe the scanning of transparent or translucent documents.	over time from the colour reflection scanning of office documents. s not apply to black-and-white only scanners or scanners used for
SANS 29881:2009 / ISO/IEC 29881:2008	ctional size measurement method
Ed 1.00 A4 23p EN	Gr 10
PDF 23p EN	35.080
Specifies the set of definitions, conventions and activities of FiSMA1.1. It measure of the users.	es the functional size of a piece of software from the perspective
SANS 29901:2010 / ISO/TR 29901:2007	
Ed 1 00 A4 59n EN	Gr 13
PDF 59p EN	03.120.30
Describes the steps necessary to specify, to use and to analyse full factorial desi methodology. Depending on the application, a number of factors other than four r	gns through illustration, with five distinct applications of this nay be considered in the experiment.
SANS 30000:2011 / ISO 30000:2009 Ships and marine technology - Ship recycling management systems - Speci environmentally sound ship recycling facilities	fications for management systems for safe and
Ed 1.00 A4 23p EN	Gr 10
PDF 23p EN	47.020.01
Specifies requirements for a management system to enable a ship recycling facil in order to be able to undertake safe and environmentally sound ship recycling or	ity to develop and implement procedures, policies and objectives perations in accordance with national and international standards.
SANS 30002:2012 / ISO 30002:2010 Ships and marine technology - Ship recycling management systems - Guide contract)	elines for selection of ship recyclers (and pro forma
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	03.120.10; 13.020.10; 13.030.50; 47.020.01
Provides guidance to shipowners in the selection of a ship recycling facility. Appli of a pro forma contract. Does not consider other aspects of ship recycling that are	es to the process of selecting a ship recycling facility and the use e covered by other standards.
SANS 30003:2012 / ISO 30003:2009	iroments for bodies providing audit and certification of
ship recycling management	inements for boules providing addit and certification of
Ed 1.00 A4 50p EN	Gr 12
PDF 50p EN	03.120.10; 13.020.10; 13.030.50; 47.020.01
Contains principles and requirements for bodies providing the audit and certificati management system standards.	on of ship recycling management systems in accordance with
SANS 30006:2012 / ISO 30006:2010 Ship recycling management systems - Diagrams to show the location of ha	zardous materials onboard ships
Ed 1.00 A4 14p EN	Gr 9
PDF 14p EN	03.120.10; 13.020.10; 13.030.50; 47.020.01
Provides requirements for diagrams to show the location of hazardous materials inventory of hazardous materials.	onboard ships. Such diagrams help ship recyclers understand an
SANS 30007:2012 / ISO 30007:2010	
Ships and marine technology - Measures to prevent asbestos emission and	exposure during ship recycling
Ed 1.00 A4 20p EN PDF 20p EN	Gr 9 03 120 10: 12 020 10: 12 020 50: 47 020 01
Provides affective methods for minimizing the densers of scheetes during ship to	v_{2} , v_{2} , v_{3} , v_{3} , v_{2} , v_{3} , v
environment and worker exposure to asbestos.	cyching, reducing both the release of aspestos into the

Thermal insulation products for building applications - Determination of the tensile bond strength of the adhesive and of the base

SANS 29804:2010 / ISO 29804:2009

coat to the thermal insulation material

Standards South Africa Catalogue 2013 NUM - 654

SANS 30042:2009 / ISO 30042:2008

Systems to manage terminology, knowledge, and content - TermBase eXchange (TBX)

Ed 1.00 A4 98p EN PDF 98p EN Gr 15 01.020; 35.240.30

Designed to support various types of processes involving terminological data, including analysis, descriptive representation, dissemination, and interchange (exchange), in various computer environments.

SANS 31000:2009 / ISO 31000:2009

Risk management - Principles and guidelines

Ed 1.00	A4 33p EN	Gr 11
	PDF 33p EN	03.100.01

Provides principles and generic guidelines on risk management in order to harmonize risk managementprocesses in existing and future standards. It is not intended for the purpose of certification. It is also not specific to any industry or sector, and can be applied throughout the life of an organization, to a wide range of activities.

SANS 31010:2010 / IEC ISO 31010:2009 Risk management - Risk assessment techniques

Ed 1.00	A4 93p EN		Gr 15
	PDF 93p EN		03.100.01

Supports ISO 31000 (published in South Africa as an identical adoption under the designation SANS 31000). Provides guidance on selection and application of systematic techniques for risk assessment. Is not intended for certification, regulatory or contractual use. Does not provide specific criteria for identifying the need for risk analysis, nor does it specify the type of risk analysis method that is required for a particular application.

SANS 32000-1:2008 / ISO 32000-1:2008

Document management - Portable document format Part 1: PDF 1.7

 Ed 1.00
 A4 756p EN
 Gr 28

 PDF 756p EN
 35.240.30; 37.100.99

Specifies a digital form for representing electronic documents to enable users to exchange and view electronic documents independent of the environment in which they are viewed or printed. Is intended for the developer of software that creates PDF files (conforming writers), software that reads existing PDF files and interprets their contents for display and interaction (conforming readers) and PDF products that read or write PDF files (or both) for a variety of other purposes (conforming products). Does not specify specific processes for converting paper or electronic documents to the PDF format, specific technical design, user interface or implementation or operational details of rendering, specific physical methods of storing these documents such as media and storage conditions, methods for validating the conformance of PDF files or readers, and required computer hardware or operating system (or both).

SANS 38500:2009 / ISO/IEC 38500:2008

Corporate governance of information technology

-	-	••	
Ed 1.00	A4 22p EN		Gr 9
	PDF 22p EN		03.100.99; 35.020; 35.080

Provides guiding principles for directors of organizations (including owners, board members, directors, partners, senior executives, or similar) on the effective, efficient, and acceptable use of Information Technology (IT) within their organizations. Also applies to the governance of management processes (and decisions) relating to the information and communication services used by an organization. Could be controlled by IT specialists within the organization or external service providers, or by business units within the organization.

SANS 42010:2008 / ISO/IEC 42010:2007

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U	Joint and	30117410	Chancellia	- necommended	DI 401100 I 0	i ai cinic ciurai			

Ed 1.00	A4 34p EN	Gr 11
	PDF 34p EN	35.080

It addresses the activities of the creation, analysis and sustainment of architectures of software-intensive systems, and the recording of such architectures in terms of architectural descriptions. ISO/IEC 42010:2007 establishes a conceptual framework for architectural description and defines the content of an architectural description. Annexes provide the rationale for key concepts and terminology, the relationships to other standards, and examples of usage.

SANS 50001:2011 / ISO 50001:2011

Energy management systems - Requirements with guidance for use Ed 1 00 A4 29n EN

d 1.00	A4 29p EN	Gr 10	
	PDF 29p EN	27.010)

Specifies requirements for establishing, implementing, maintaining and improving an energy management system, whose purpose is to enable an organization to follow a systematic approach in achieving continual improvement of energy performance, including energy efficiency, energy use and consumption. Specifies requirements applicable to energy use and consumption, including measurement, documentation and reporting, design and procurement practices for equipment, systems, processes and personnel that contribute to energy performance.

SANS 50010:2011

Measurement and verification of energy savings

Ed 1.00	A4 23p EN	Gr 9
	PDF 23p EN	27.010

Provides a methodology for the determination of energy savings that may be used in a range of voluntary or regulatory processes which may require the impact of interventions on energy use to be calculated.

Standards South Africa Catalogue 2013 NUM - 656

NUMERICAL LIST OF STANDARDS

Gr 8

27.010

SATS 50010:2010

Measurement and verification of energy savings

Ed 1.00 A4 22p EN PDF 22p FN

Provides a methodology for the determination of energy savings that may be used in a range of voluntary or regulatory processes which may require the impact of interventions on energy use to be calculated. Covers the use of all forms of energy as defined in the relevant national legislation. Does not provide guidance or rules regarding the way energy quotas are established. Accommodates the implementation of energy quotas through the use of normalized baselines but does not specify how the normalization should be done.

SANS 50025-1:2009 / EN 10025-1:2004

Hot rolled products of structural steels Part 1: General technical delivery conditions Gr 11

Ed 1.00 A4 36p EN

PDF 36p EN

Specifies the general delivery conditions and requirements for flat and long products of hot rolled structural steels excluding structural hollow sections and tubes.

SANS 50025-2:2009 / EN 10025-2:2004

Hot rolled products of structural steels Part 2: To	echnical delivery conditions for non-alloy structural steels
Ed 1.00 A4 35p EN	Gr 11

Ed 1.00 A4 35p EN PDF 35p EN

77.140.10; 77.140.45; 77.140.50

77.140.10; 77.140.50

Specifies the technical delivery conditions for flat and long products and semi-finished products which are meant for further processing to flat and long products of hot rolled non-alloy quality steels in the grades and qualities given in chemical composition tables and mechanical properties tables in the delivery conditions. Chemical composition and mechanical properties of three engineering steels are also specified. It does not apply to structural hollow sections and tubes.

Cor 1(International), 2009-03-20

SANS 50025-3:2009 / EN 10025-3:2004

Hot rolled products of structural steels Part 3: Technical delivery conditions for normalized/normalized rolled weldable fine grain structural steels

Ed 1.00 A4 26p EN PDF 26p EN

Specifies requirements for flat and long products of hot rolled weldable fine grain structural steels in the normalized/normalized rolled delivery condition in the grades and gualities given in the chemical composition and mechanical properties tables.

SANS 50025-4:2009 / EN 10025-4:2004

Hot rolled products of structural steels Part 4: Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels

Ed 1.00 A4 25p EN PDF 25p EN

Specifies requirements for flat and long products of hot rolled weldable fine grain structural steels in the thermomechanical rolled condition in the grades and qualities given in chemical composition tables and mechanical properties tables in thicknesses less than or equal to 120 mm for flat products and in thicknesses less than or equal to 150 mm for long products.

SANS 50025-5:2009 / EN 10025-5:2004

Hot rolled products of structural steels Part 5: corrosion resistance	Technical delivery conditions for structural steels with improved atmospheric
Ed 1.00 A4 28p EN	Gr 10
PDF 28p EN	77.140.10; 77.140.50

Specifies requirements for flat and long products of hot rolled steels with improved atmospheric corrosion resistance in the grades and gualities given in tables 2 and 3 (chemical composition) and tables 4 and 5 (mechanical properties) in the usual delivery conditions as given in 6.3.

SANS 50025-6:2009 / EN 10025-6:2004

Hot rolled products of structural steels Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition

Ed 1.00 A4 25p EN PDF 25p EN Gr 10 77.140.10; 77.140.50

Specifies requirements for flat products of high yield strength alloy special steels. The grades and qualities are given in chemical composition tables and mechanical properties tables and are supplied in the quenched and tempered condition.

SANS 50028-1:2004 / EN 10028-1:2000 (2009-05-29)

Flat products made of steels for pressure purposes Part 1: General requirements

Ed 1.00 A4 22p EN	-	-	-			-	Gr 9	
PDF 22p EN							77.140.30; 77.140.5	0

Specifies the general technical delivery conditions for flat products used principally for the construction of pressure equipment.

Gr 10

Gr 10

77.140.10; 77.140.50

77.140.10; 77.140.50

•	10.220, 10.020
Specifies requirements, methods of test, and perform systems installed in buildings. Am 1(National), 2009-03-13	ance criteria for control and indicating equipment for use in fire detection and fire alarm
SANS 50054-3:2001 / EN 54-3:2001 (SABS EN 54-3) Fire detection and fire alarm systems Part 3: Fire	alarm devices - Sounders
	Gr 11
FDF 30P EN	13.220.20; 13.320
Specifies requirements, test methods and performan of fire between a fire detection and fire alarm system Am 1(International), 2003-09-05	e criteria for fire alarm sounders in a fixed installation intended to signal an audible warning and the occupants of a building. Specifies fire alarm sounders for indoor and for outdoor use
Standa	ds South Africa Catalogue 2013
	NUM - 657

Flat products made of steels for pressure purposes Part 2:	Non-alloy and alloy steels with specified elevated temperature properties
Ed 1.00 A4 26p EN	Gr 10
PDF 26p EN	77.140.30; 77.140.50
Specifies requirements for flat products for pressure equipment as specified in table 1.	made of weldable non-alloy and alloy steels with elevated temperature properties
SANS 50028-3:2009 / EN 10028-3:2009	
Flat products made of steels for pressure purposes Part 3:	Weldable fine grain steels, normalized
Ed 1.00 A4 17p EN	Gr 8
Specifics requirements for flat products for proceure equipment	//.140.30; //.140.50
Specifies requirements for hat products for pressure equipment	made of weldable line grain steels as specified in table 1.
SANS 50028-4:2009 / EN 10028-4:2009	
Flat products made of steels for pressure purposes Part 4:	Nickel alloy steels with specified low temperature properties
Ed 1.00 A4 13p EN PDE 13p EN	Gr 7
Specifies requirements for flat products for pressure equipment	made of nickel alloy steels as specified in table 1.
SANS 50028-5:2009 / EN 10028-5:2009	
Flat products made of steels for pressure purposes Part 5:	Weldable fine grain steels, thermomechanically rolled
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	77.140.30; 77.140.50
Specifies requirements for flat products for pressure equipment	made of thermomechanically rolled steels as specified in table 1.
SANS 50028-6:2009 / EN 10028-6:2009 Flat products made of steels for pressure purposes Part 6:	Weldable fine grain steels, guenched and tempered
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	77.140.30; 77.140.50
Specifies the requirements for flat products for pressure equipm	nent made of quenched and tempered steels as specified in table 1.
CANC 50000 7-0005	
Flat products made of steels for pressure purposes Part 7:	Stainless steels
Ed 1 00 A4 53p EN	Gr 13
PDF 53p EN	77.140.20; 77.140.30; 77.140.50
EN 10028-7:2000, MOD	
Specifies requirements for flat products for pressure purposes r	nade of stainless steels, including austenitic creep resisting steels.
SANS 50054-1:2009 / EN 54-1:1996	
Fire detection and fire alarm systems Part 1: Introduction	
Ed 2.00 A4 13p EN	Gr 7
PDF 13p EN	13.220.20
Specifies requirements, test methods and performance criteria detection and fire alarm systems can be assessed. Specifies re combined into an effective system can be assessed. Gives guid buildings or other construction works.	against which the effectiveness and reliability of the component parts of fire equirements and test methods against which the ability of components to be delines for the incorporation and use of fire detection and fire alarm systems into
SANS 50054-2:1997 / EN 54-2:1997 (2009-03-13) (SABS EN 54-2)	
Fire detection and fire alarm systems Part 2: Control and in	idicating equipment
Ed 1.00 A4 28p EN	Gr 11
PDF 28p EN	13.220.20; 13.320
Specifies requirements, methods of test, and performance crite systems installed in buildings. Am 1(National), 2009-03-13	ria for control and indicating equipment for use in fire detection and fire alarm
SANS 50054-3:2001 / EN 54-3:2001 (SABS EN 54-3) Fire detection and fire alarm systems Part 3: Fire alarm dev	vices - Sounders

SANS 50028-2:2009 / EN 10028-2:2009

SANS 50054-4:1997 / EN 54-4:1997 (2009-08-07) (SABS EN 54-4)	
Fire detection and fire alarm systems Part 4: Power supply equipment	
Ed 1.00 A4 16p EN PDF 16p FN	Gr 9
Specifies requirements, methods of test and performance criteria for power supply buildings	equipment of fire detection and fire alarm systems installed in
Cor 1(International), 2003-12-18 Am 1(International), 2003-12-18	
SANS 50054-5:2000 / EN 54-5:2000 (SABS EN 54-5)	
Fire detection and fire alarm systems Part 5: Heat detectors - Point detectors	Gr 12
PDF 42p EN	13 220 20
Specifies the requirements, test methods and performance criteria for point heat de buildings. Am 1(International), 2003-10-10	etectors for use in fire detection and fire alarm systems for
SANS 50054-7:2000 / EN 54-7:2000 (2009-08-07) (SABS EN 54-7)	
Fire detection and fire alarm systems Part 7: Smoke detectors - Point detector	rs using scattered light, transmitted light or ionization
Ed 2.00 A4 59p EN PDF 59p EN	Gr 14 13.220.20
Specifies requirements, test methods and performance criteria for point smoke det ionization, for use in fire detection and fire alarm systems for buildings. Am 1(International), 2003-09-05	ectors that operate using scattered light, transmitted light or
SANS 50054-10:2010 / EN 54-10:2002	
Fire detection and fire alarm systems Part 10: Flame detectors - Point detector	ors
Ed 1.00 A4 39p EN PDF 39p EN	Gr 11 13.220.20
Specifies requirements, test methods and performance criteria for point-type, reset use in fire detection systems installed in buildings.	table flame detectors that operate using radiation from flame for
SANS 50054-11:2001 / EN 54-11:2001 (2009-03-13) (SABS EN 54-11)	
Fire detection and fire alarm systems Part 11: Manual call points	
Ed 1.00 A4 42p EN PDF 42p EN	Gr 13 13.220.20
Specifies requirements and methods of test for manual call points in fire detection account indoor and outdoor conditions, the appearance and operation of the manuacovers those which are simple mechanical switches, those fitted with simple electric components and which work with the control panels for signalling and identifying, for Am 1(National), 2009-03-13	and fire alarm systens in and around buildings. Takes into al call points for direct operation and indirect operation and onic components, and those which contain active electronic or example, an address or location.
SANS 50054-12:2010 / EN 54-12:2002	
Fire detection and fire alarm systems Part 12: Smoke detectors - Line detector	ors using an optical light beam
Ed 1.00 A4 53p EN	Gr 13
Specifies requirements, test methods and performance criteria for line smoke deter ontical beam, for use in fire detection systems installed in buildings	13.220.20 ctors utilising the attenuation and/or changes in attenuation of an
SANS 50054-20:2009 / EN 54-20:2006	
Fire detection and fire alarm systems Part 20: Aspirating smoke detectors	
Ed 1.00 A4 82p EN PDF 82p EN	Gr 15
Specifies the requirements, test methods and performance criteria for aspirating sr installed in buildings.	noke detectors for use in fire detection and fire alarm systems
Am i(international), 2009-11-20	
SANS 50065-1:2012 / EN 50065-1:2011 Signalling on low-voltage electrical installations in the frequency range 3 kHz bands and electromagnetic disturbances	to 148,5 kHz Part 1: General requirements, frequency
Ed 1.00 A4 32p EN	Gr 11
PDF 32p EN	33.040.30
Applies to electrical equipment using signals in the frequency range 3 kHz to 148,5 either on the public supply system or within installations in consumers' premises. S applications, limits for the terminal output voltage in the operating band, and limits	i kHz to transmit information on low-voltage electrical systems, specifies the frequency bands allocated to the different for conducted and radiated disturbance.

SANS 50081-1:2004 / EN 81-1:1998 (20 Safety rules for the construction and i	106-06-23) installation of lifts Part 1: Electric lifts	
Ed 1.00 A4 215p EN PDF 215p EN		Gr 20 91 140 90
Specifies the rules for the construction a landing levels, that have cars designed f between guide rails inclined at an angle Cor 1(International), 2004-04-08	nd installation of permanently installed r or the transportation of persons or perso not exceeding 15° to the vertical. Am 2(International), 2005-11-21	new electric lifts, with traction or positive drive, that serve defined ons and goods, are suspended by ropes and chains, and move Am 1(International), 2006-06-23
SANS 50081-2:1998 / EN 81-2:1998 (20)06-03-24)	· //
(SABS EN 81-2)		
Safety rules for the construction and i	Installation of lifts Part 2: Hydraulic life	its
Ed 1.00 A4 121p EN Not sold separate PDF 121p EN	ly, refer SANS 1545-2	Gr 1/
		91.140.90
Specifies the safety rules for the constru- car designed for the transportation of pel not more than 15° to the vertical. In addi extreme climate conditions, seismic cond Am 1(National) 2006-03-24	ction and installation of permanently ins rsons or persons and goods, suspended tion, supplementary requirements are co ditions, transporting dangerous goods, e Am 1(International) , 2006-03-24	talled new hydraulic lifts serving defined landing levels, having a l by jacks, ropes or chains and moving between guide rails incline onsidered in special cases (potentially explosive atmosphere, itc.). Cor 1(International) 2006-03-24
Am 2(International), 2006-03-24		
SANS 50081-3:2005 / EN 81-3:2000 (20)11-12-15)	
Safety rules for the construction and i	installation of lifts Part 3: Electric and	hydraulic service lifts
Ed 1.00 A4 108p EN		Gr 16
PDF 108p EN		91.140.90
Specifies the safety rules for the constru- hydraulic service lifts defined as lifting ec- persons on account of its dimensions an vertical guide rails or guide rails whose in Am 1(International), 2011-12-15	ction and installation of permanently ins quipment, serving defined landing levels id means of construction, suspended by nclination to the vertical does not exceed Cor 1(International), 2011-12-15	talled new electric service lifts with traction or positive drive, or , having a car, the interior of which is regarded as inaccessible to ropes or chains or supported by a ram and moving between rigic d 15° and driven electrically or hydraulically.
SANS 50081-21:2010 / EN 81-21:2009 Safety rules for the construction and i goods passenger lifts in existing build	installation of lifts - Lifts for the trans	port of persons and goods Part 21: New passenger and
Ed 1.00 A4 35p EN PDE 35p EN		Gr 11
Specifies the safety rules related to new constraints and gives requirements for a	passenger and goods/passenger lifts pe Iternative solutions.	ermanently installed in existing buildings. Addresses a number of
SANS 50081-70:2004 / EN 81-70:2003 ((2010-06-04)	
Safety rules for the construction and i to lifts for persons including persons	installation of lifts - Particular applica with disability	tions for passenger and goods lifts Part 70: Accessibility
Ed 1.00 A4 30p EN		Gr 10
PDF 30p EN		91.140.90
Specifies the minimum requirements for sensory disability and intellectual disabili	the safe and independent access and u ity.	se of lifts by persons, including persons with physical disability,
SANS 50081-72:2005 / EN 81-72:2003 (Safety rules for the construction and i Firefighters lifts	(2010-12-09) Installation of lifts - Particular applica	tions for passenger and goods passenger lifts Part 72:
Ed 1.00 A4 31p EN		Gr 11
PDF 31p EN		91.140.90
Applies to firefighters lifts equipped with Does not apply to the following: double-c firefighters lifts.	a fire-protected lobby and any new firefine leck lifts; lifts installed in existing building	ghters lifts installed after the date of publication of this standard. gs and the use of lifts with partially enclosed wells for use as
SANS 50081-80:2005 / EN 81-80:2003 Safety rules for the construction and i	installation of lifts - Existing lifts Part	80: Rules for the improvement of safety of existing
		Cr 11
PDF 34p EN		91.140.90

Gives rules for improving the safety of existing lifts with the aim of reaching an equivalent level of safety to that of a newly installed lift by the application of today's state of the art for safety.

NUMERICAL LIST OF STANDARDS

SANS 500

SANS 500

Safety rules for the construction and installation of lifts goods passenger lifts in existing building	s - Lifts for the transport of persons and goods Part 21: New passenger and
Ed 1.00 A4 35p EN	Gr 11
PDF 35p EN	91.140.90
Specifies the safety rules related to new passenger and go constraints and gives requirements for alternative solutions	oods/passenger lifts permanently installed in existing buildings. Addresses a number of s.

SANS 500

SANS 500

SANS 500 Safety rul

PDF 32p EN	27.060.20
Specifies the safety, constructional and performance requirement hereafter referred to as devices, intended for use with gas appliat information necessary for the purchaser and user.	nts for thermo-electric flame supervision devices, energized by a thermocouple, ances. It also gives the test procedures for evaluating these requirements and
SANS 50132:1998 / EN 132:1998 (2007-02-23)	
(SABS EN 132)	
Ed 1 00 A4 14p EN	Cr 9
PDF 14p EN	01.040.13: 13.340.30
Applies to respiratory protective devices except diving apparatus and pictograms of this area. Am 1(National), 2007-02-23	s for which the definitions are given in SANS 50250. Defines commonly used to
SANS 50133:2003 / EN 133:2001 (2008-08-15) (SABS EN 133)	
Respiratory protective devices - Classification	
Ed 2.00 A4 9p EN	Gr 6
PDF 9p EN	13.340.30
Classifies respiratory protective devices (RPDs) acccording to the	eir design.
SANS 50134:1998 / EN 134:1998 (2007-02-23) (SABS EN 134)	
Respiratory protective devices - Nomenclature of componer	nts
Ed 1.00 A4 26p EN PDF 26p EN	Gr 11
Specifies a harmonized nomenclature for typical components of Am 1(National), 2007-02-23	respiratory protective devices.
SANS 50135:1998 / EN 135:1998 (2007-02-23) (SABS EN 135)	
Respiratory protective devices - List of equivalent terms	
Ed 1.00 A4 25p EN	Gr 11
PDF 25p EN	01.040.13; 13.340.30
Applies to respiratory protective devices. Contains a list of terms Am 1(National), 2007-02-23	which are commonly used in the field of respiratory protection.
SANS 50136:1998 / EN 136:1998 (2006-02-03) (SABS EN 136)	
Respiratory protective devices - Full face masks - Requirem	ents, testing, marking
Ed 1.00 A4 33p EN	Gr 12
РЫГ ЗЗРЕМ	13.340.30
Specifies minimum requirements for full face masks for respirate Cor 1(International), 2006-02-03 Am 1(National), 2006-	bry protective devices. Diving apparatuses are not included. 02-03

Applies to gully tops and manhole tops with a clear opening up to and including 1 000 mm, for installation within areas subjected to pedestrian or vehicular traffic (or both). Does not apply to surface boxes nor to floor and roof gullies in buildings which are specified in prEN 1253. Establishes

definitions, classes, materials, design and testing requirements, marking and quality control of gully tops and manhole tops.

Flame supervision devices for gas burning appliances - Thermoelectric flame supervision devices

SANS 50116:2007 / EN 116:1997

PDF 22p EN

PDF 40p EN

SANS 50125:2011 / EN 125:2010

SANS 50124:1994 / EN 124:1994 (2009-12-11)

Ed 1.00 A4 22p EN

equipment.

(SABS EN 124)

Ed 1.00 A4 40p EN

Ed 1.00 A4 32p EN

75.160.20

Gully tops and manhole tops for vehicular and pedestrian areas - Design requirements, type testing, marking, quality control Gr 12

93.080.30

Gr 11

Diesel and domestic heating fuels - Determination of cold filter plugging point

NUMERICAL LIST OF STANDARDS

Specifies a method for the determination of the cold filter plugging point of diesel and domestic heating fuels using either manual or automated test

Gr 9

SANS 50137:2011 / EN 137:2006 (SABS EN 137)	
Respiratory protective devices - Self-contained open-circuit compressed air testing, marking	breathing apparatus with full face mask - Requirements,
Ed 2.00 A4 43p EN PDF 43p EN	Gr 12 13.340.30
Specifies minimum performance requirements for self-contained open-circuit com respiratory protective devices, except escape apparatus and diving apparatus.	pressed air breathing apparatus with full face mask used as
SANS 50138:1994 / EN 138:1994 (2007-02-23) (SABS EN 138)	
Respiratory protective devices - Fresh air hose breathing apparatus for use Requirements, testing, marking	with full face mask, half mask or mouthpiece assembly -
Ed 1.00 A4 22p EN PDF 22p EN	Gr 10 13.340.30
Specifies minimum requirements for fresh-air hose-breathing apparatus for use respiratory protective device. Am 1(National), 2007-02-23	with a full-face mask, a half mask or a mouthpiece assembly as a
SANS 50140:1998 / EN 140:1998 (2009-08-28)	
(SABS EN 140)	
Hespiratory protective devices - Half masks and quarter masks - Requireme	nts, testing, marking
PDF 21p EN	Gr 10 13 340 30
Specifies minimum requirements for half masks and quarter masks for use as participational 2004-09-23	rt of respiratory protective devices.
oor ((international), 200+03-20	
SANS 50141:2003 / EN 141:2000 (2010-03-26)	
(SABS EN 141) Respiratory protective devices - Gas filters and combined filters - Requirem	ente testina markina
Ed 2.00 A4 19p EN	Gr 9
PDF 19p EN	13.340.30
Specifies gas filters and combined filters for use as components in unassisted res	spiratory protective devices
SANS 50142:2003 / EN 142:2002 (2009-08-28) (SABS EN 142)	
Respiratory protective devices - Mouthpiece assemblies - Requirements, tes	sting, marking
Ed 2.00 A4 20p EN	Gr 9
	13.340.30
Specifies minimum requirements for mouthpiece assemblies for use as part of re-	spiratory protective devices.
SANS 50143:2003 / EN 143:2000 (SABS EN 143)	
Respiratory protective devices - Particle filters - Requirements, testing, mar	king
Ed 2.00 A4 33p EN	Gr 11
PDF 33p EN	13.340.30
Refers to particle filters and components in unassisted respiratory protective device Cor 1(International), 2003-09-12	Ces.
SANS 50144-1:2003 / EN 144-1:2000 (SABS EN 144-1)	
Respiratory protective devices - Gas cylinder valves Part 1: Thread connection	ions for insert connector
Ed 2.00 A4 11p EN	Gr 7
PDF 11p EN	13.340.30
Applies to the connection between a gas cylinder valve and a gas cylinder for res	piratory protective devices.
SANS 50144-2:1998 / EN 144-2:1998 (2007-02-23) (SABS EN 144-2)	
Respiratory protective devices - Gas cylinder valves - Outlet connections	
Ed 1.00 A4 11p EN	Gr 8
PUF 11p EN	13.340.30
Applicable to a thread connection used for the connection between a gas cylinder except those for diving containing breathable air, oxygen or oxygen/nitrogen. Specused for respiratory protective devices.	valve and a pressure reducer for respiratory protective devices cifies the dimensions and tolerances for connections which are

Am 1(National), 2007-02-23

Standards South Africa Catalogue 2013 NUM - 661

SANS 50145:1997 / EN 145:1997 (2010-04-16) (SABS EN 145) Respiratory protective devices - Self-contained closed-circuit breathing appa	ratus - Compressed oxygen or compressed oxygen-
nitrogen type - Requirements, testing, marking	
Ed 1.00 A4 29p EN PDF 29p EN	Gr 11 13 340 30
Specifies requirements for self-contained closed-circuit breathing apparatus of corr N2) types used as respiratory protective devices, except escape and diving appara Am 1(International), 2004-09-23	apressed oxygen (O2) and compressed oxygen-nitrogen (O2 - tus. Laboratory and practical performance tests are included.
SANS 50145-2:1992 / EN 145-2:1992 (2010-03-26)	
Respiratory protective devices - Self-contained closed-circuit compressed ox requirements, testing, marking	xygen breathing apparatus for special use - Safety
Ed 1.00 A4 8p EN PDF 8p EN	Gr 7 13 340 30
Supplements the general requirements for self-contained closed-circuit apparatus adoption under the designation SANS 50145) by specifying additional specific requ	specified in EN 145 (published in South Africa as an identical irements for apparatus for special use.
SANS 50148-1:2003 / EN 148-1:1999 (2009-08-28)	
Beeniratory protective devices - Threads for facenieces Part 1: Standard thre	ad connection
Ed 2.00. A4 Pp EN	
PDF 8p EN	13.340.30
Applies to standard threads for respiratory protective devices.	
SANS 50148-2:2003 / EN 148-2:1999 (2009-08-28) (SABS EN 148-2)	
Respiratory protective devices - Threads for facepieces Part 2: Centre thread	connection
Ed 2.00 A4 5p EN PDF 5p EN	Gr 5
Applies to centre threads for respiratory protective devices.	10.040.00
SANS 50148-3:2003 / EN 148-3:1999 (2009-08-28)	
Besniratory protective devices - Threads for facenieces Part 3: Thread conne	ction M 45 x 3
Ed 2 00 A4 5n EN	Gr 5
PDF 5p EN	13.340.30
Applies to self-contained compressed-air breathing apparatus designed as positive M 45 x 3, which may optionally be used for facepieces for positive-pressure breathing	-pressure breathing apparatus. Specifies a thread connection, ing apparatus.
SANS 50149:2003 / EN 149:2001 (SABS EN 149)	
Respiratory protective devices - Filtering half masks to protect against partic	les - Requirements, testing, marking
Ed 2.00 A4 48p EN PDF 48p EN	Gr 11 13.340.30
Specifies minimum requirements for filtering half masks as respiratory protective de Cor 1(International), 2003-07-04	evices to protect against particles except for escape purposes.
SANS 50162:2010 / EN 50162:2004 Protection against corrosion by stray current from direct current systems	
Ed 1.00 A4 31p EN PDF 31p EN	Gr 11 29.020; 77.060
Establishes the general principles to be adopted to minimize the effects of stray cu metal structures.	rrent corrosion caused by direct current on buried or immersed
SANS 50169:1992 / EN 169:1992 (SABS EN 169)	
Personal eye-protection - Filters for welding and related techniques - Transm	ittance requirements and recommended utilisation
Ed 1.00 A4 9p EN PDF 9p EN	Gr 7 13.340.10

Specifies the scale numbers and transmittance requirements for filters intended to protect operators performing work involving welding, brazewelding, arc gouging and plasmaject cutting.

SANS 50196-1:2006 / EN 196-1:2005 (2012-11-23)	
(SABS EN 196-1)	
Methods of testing cement Part 1: Determination of strength	
Ed 2.00 A4 34p EN PDF 34p EN	Gr 11
Describes the method for the determination of the compressive strength and optimized	91.100.10
	shany, the nextral strength of centeric montal.
SANS 50196-2:2006 / EN 196-2:2005 (2012-11-23) (SABS EN 196-2)	
Methods of testing cement Part 2: Chemical analysis of cement	
Ed 2.00 A4 51p EN	Gr 13
	91.100.10
which can be considered to be equivalent. In the case of a dispute, however, only	eterence methods and, in certain cases, an alternative method the reference methods are used.
SANS 50196-3:2006 / EN 196-3:2005 (SABS EN 196-3)	
Methods of testing cement Part 3: Determination of setting times and sound	ness
Ed 2.00 A4 15p EN	Gr 8
PDF 15p EN	91.100.10
Specifies the methods for determining standard consistence, setting times and so cements and materials. It may not apply to other cement types that have, for exam whether the setting time and soundness of a cement are in conformity with its spe	undness of cement. It applies to common cements and to other nple, a very short initial setting time. It is used for assessing cification.
SANS 50196-4:1993 (2007-03-02) (SABS ENV 196-4)	
Methods of testing cement Part 4: Quantitative determination of constituents	8
Ed 1.00 A4 42p EN	Gr 12
PDF 42p EN	91.100.10
ENV 196-4:1993, MOD	
Lays down the procedures for determining the contents of the constituents of cem Am 1(National), 2007-03-02	ents that fall within the scope of ENV 197-1.
SANS 50196-5:2009	
(SABS EN 196-5)	
Methods of testing cement Part 5: Pozzolanicity test for pozzolanic cement	
Ed 2.00 A4 14p EN	Gr 7
	91.100.10
EN 196-5:2005, MOD Specifies the method of measuring the pozzolanicity of pozzolanic cements confo	rming to EN 197-1. Does not aply to Portland pozzolana cements
SANS 50196-6:1989 (2009-01-23) (SABS EN 196-6)	
Methods of testing cement Part 6: Determination of fineness	
Ed 1.00 A4 11p EN PDE 11p EN	Gr 6
	91.100.10
Describes two methods of determining the fineness of cement. Applicable to all th	e cements defined in ENV 197.
SANS 50196-7:2009 / EN 196-7:2007	
(SABS EN 196-7)	
Methods of testing cement Part 7: Methods of taking and preparing samples	of cement
Ed 2.00 A4 20p EN	Gr 9
PUF 20p EN	91.100.10
Describes the equipment to be used, the methods to be followed and the provision	as for taking samples of cement, representative of given lots of

Describes the equipment to be used, the methods to be followed and the provisions for taking samples of cement, representative of given lots of testing, to assess the quality of products prior to, during or after delivery.

Ed 1.00 A4 39 EN PDF 339 EN Gr 12 91.100.10 Defines and gives the specifications of 27 distinct common cement products and their constituents. The definition of each cement includes the proportions in which the constituents are to be combined to produce these distinct products in a range of six stength classes. The definition also fincludes requirements to constituents have to meet and the mechanical, physical and chemical requirements in comprise. Nead of hydration requirements are also given. Am (International), 2006-04-07 Am (INational), 2006-04-07 SANS 50197-2:2000 / EN 197-2:2000 (2006-09-08) (SABS EN 197-2) Cement Part 2: conformity evaluation Ed 1.00 A4 31p EN PDF 31p EN Gr 12 Hole 31p EN PDF 31p EN Specification for the evaluation of conformity of cements to their corresponding product specification standard, including certification of conformity by a certification loody. Am (National), 2006-09-08 SANS 5019:1:807 / EN 198:1987 (2013-02-22) (SABS EN 198) Specification for finished baths for domestic purposes made of acrylic material Ed 1.00 A1 7p EN PDF 17p EN Gr 8 PDF 17p EN Specification for finished baths for domestic purposes made of acrylic materials Ed 1.00 A1 7p EN PDF 30p EN Aut (National), 2006-02-23 SANS 5009:2011 / EN 50200:2005 Method of test for realistance to fire of unprotected small cables for use in emergency circuits Ed 1.00 A1 02 pEN PDF 30p EN PDF 30p EN Specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. SANS 50201:201 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery conditions Ed 1.00 A1 30p EN PDF 30p EN PDF 30p EN Cr 11 PDF 30p EN Cr 11 PDF 30p EN Cr 11 PDF 30p EN Cr 10 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-al
Befines and gives the specifications of 27 distinct common cement products and their constituents. The definition of each cement includes the proportions in which the constituents are to be combined to produce these distinct products in a range of six stength classes. The definition also includes requirements to the 27 products and strength classes. It also states the conformity criteria and the related rules. Necessary durability requirements are also given. Am 1(International), 2006-04-07 Am 1(National), 2006-04-07 SANS 50197-2:2000 (2006-09-08) SANS 50198-11897 / EN 9: 9: 9: 1:100.10 Specifices the scheme for the evaluation of conformity of cements to their corresponding product specification standard, including certification of conformity by a certification of conformity by a certification body. Am (National), 2006-09-08 SANS 50198:11877 / EN 198:1987 (2013-02-22) (SABS EN 198) Specification for finished baths for domestic purposes made of acrylic material SPC 100 A4 17p EN 9: 9: 1140.70 Specifies the requirements for baths for domestic purposes made from acrylic materials which ensure that the product, when installed in accordance with manufacturers' instructions, gives satisfactory performance. Am (National), 2007-02-23 SANS 50200:2011 / EN 50200:2006 Method of test for resistance to fire of unprotected small cables for use in emergency circuits for alarm, lighting and communication purposes. SANS 50210-1:210 / EN 1021-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grant steels Part 1: Technical delivery conditions for cold formed welded structural hollow sections for cold formed welded structural hollow sections for circuia square or rectangular forms and applies to structural hollow sections formed cold withou
SANS S0197-2:2000 / EN 197-2:2000 (2006-09-08) (SABS EN 197-2) Cerment Part 2: Conformity evaluation Ed 1.00 A4 31p EN PDF 31p EN Gr 12 91.100.10 Specifies the scheme for the evaluation of conformity of cements to their corresponding product specification standard, including certification of conformity by a certification body. Am (National), 2006-09-08 SANS 50198:1967 / EN 198:1967 (2013-02-22) Specifies the requirements for domestic purposes made of acrylic material Ed 1.00 A4 70p EN PDF 70p EN PDF 70p EN PDF 70p EN PDF 70p EN PDF 70p EN PDF 70p EN Specifies the requirements for baths for domestic purposes made from acrylic materials which ensure that the product, when installed in accordance with manufacturers' instructions, gives satisfactory performance. Am (National), 2007-02-23 SANS 50200:2011 / EN 50200:2006 Method of test for resistance to fire of unprotected small cables for use in emergency circuits Ed 1.00 A4 30p EN PDF 30p EN SANS 5020:2011 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery conditions SANS 5022:2010 / EN 10229-2007 Specifies the technical delivery conditions for cold formed welded structural hollow sections of circular square or rectangular forms and applies to structural hollow sections for not formed welded structural hollow sections for mode del fue
Cement Part 2: Conformity evaluation Gr 12 PDF 31p EN Gr 12 91.100.10 Specifies the scheme for the evaluation of conformity of cements to their corresponding product specification standard, including certification of conformity by a certification body. Am 1(National), 2006-09-08 SANS 50198:1987 / EN 198:1987 (2013-02-22) (SABS EN 198) Gr 8 91.140.70 Specification for finished baths for domestic purposes made of acrylic materials which ensure that the product, when installed in accordance with manufactures" instructions, gives statisfactory performance. Am (National), 2007-02-23 Gr 10 91.140.70 SANS 50200:2011 / EN 50200:2006 Method of test for resistance to fire of unprotected small cables for use in emergency circuits Ed 1.00, A4 30p EN PDF 30p EN Gr 10 13.220.40; 29.060.20 SANS 50219-1:2010 / EN 10219-1:2006 Conformed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery conditions for 71.40.75 Specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. SANS 50219-1:2010 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery conditions fed 1.00 A4 36p EN PDF 36p EN
Shruch of the scheme of the evaluation of conformity of cements to their corresponding product specification standard, including certification of conformity by a certification body. Am 1(National), 2006-09-08 SANS 50198:1987 / EN 198:1987 (2013-02-22) (SARS EN 198) Specification for finished baths for domestic purposes made of acrylic material Ed 1.00 A4 17p EN PDF 17p EN 91.140.70 Specifies the requirements for baths for domestic purposes made from acrylic materials which ensure that the product, when installed in accordance with manufacturers' instructions, gives satisfactory performance. Am 1(National), 2007-02-23 SANS 50200:2011 / EN 50200:2006 Method of test for resistance to fire of unprotected small cables for use in emergency circuits Ed 1.00 A4 30p EN PDF 30p EN Gr 10 PDF 30p EN Specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. SANS 50219-1:2010 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery conditions Ed 1.00 A4 30p EN PDF 36p EN T7.140.75 Specifies the technical delivery conditions for cold formed welded structural hollow sections of circular square or rectangular forms and applies to structural hollow sections for household use - Methods of measuring the performance Ed 1.00 A4 30p EN PDF 36p EN Specifies test methods with repart to the energy labelling of household combined washer-dirers. Deals with performance criteria, energy and
SANS 50198:1987 / EN 198:1987 (2013-02-22) (SABS EN 198) Specification for finished baths for domestic purposes made of acrylic materials Ed 1.00 A4 17p EN PDF 17p EN Specifies the requirements for baths for domestic purposes made from acrylic materials which ensure that the product, when installed in accordance with manufacturers' instructions, gives satisfactory performance. Am 1(National), 2007-02-23 SANS 50200:2011 / EN 50200:2006 Method of test for resistance to fire of unprotected small cables for use in emergency circuits Ed 1.00 A4 30p EN PDF 30p EN Gr 10 13.220.40; 29.060.20 Specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. SANS 50219-1:2010 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery conditions Ed 1.00 A4 30p EN PDF 36p EN Gr 11 77.140.75 Specifies the technical delivery conditions for cold formed welded structural hollow sections of circular square or rectangular forms and applies to structural hollow sections formed cold without subsequent heat treatment. SANS 50229:2010 / EN 50229:2007 Electric clothes washer-dryers for household use - Methods of measuring the performance Ed 1.00 A4 18p EN PDF 18p EN
Specification for finished baths for domestic purposes made of acrylic material Image: Constraint of the second secon
Ed 1:00 A4 17 p EN 91.140.70 Specifies the requirements for baths for domestic purposes made from acrylic materials which ensure that the product, when installed in accordance with manufacturers' instructions, gives satisfactory performance. Am 1(National), 2007-02-23 SANS 50200:2011 / EN 50200:2006 Method of test for resistance to fire of unprotected small cables for use in emergency circuits Ed 1.00 A4 30p EN Gr 10 PDF 30p EN 13.220.40; 29.060.20 Specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. SANS 50219-1:2010 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery conditions Ed 1.00 A4 36p EN Gr 11 PDF 36p EN 77.140.75 Specifies the technical delivery conditions for cold formed welded structural hollow sections of recular square or rectangular forms and applies to structural hollow sections formed cold without subsequent heat treatment. SANS 50229:2010 / EN 50229:2007 Electric clothes washer-dryers for household use - Methods of measuring the performance Ed 1.00 A4 18p EN Gr 8 PDF 18p EN 97.060
Specifies the requirements for baths for domestic purposes made from acrylic materials which ensure that the product, when installed in accordance with manufacturers' instructions, gives satisfactory performance. Am 1(National), 2007-02-23 SANS 50200:2011 / EN 50200:2006 Method of test for resistance to fire of unprotected small cables for use in emergency circuits Ed 1.00 A4 30p EN PDF 30p EN Gr 10 13.220.40; 29.060.20 Specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. SANS 50219-1:2010 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery conditions Ed 1.00 A4 36p EN PDF 36p EN Gr 11 PDF 30p EN Gr 11 PDF 30p EN Gr 11 PDF 30p EN Gr 31 PDF 30p EN Gr 30 </td
SANS 50200:2011 / EN 50200:2006 Method of test for resistance to fire of unprotected small cables for use in emergency circuits Ed 1.00 A4 30p EN PDF 30p EN PDF 30p EN Gr 10 13.220.40; 29.060.20 Specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. SANS 50219-1:2010 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grain stells Part 1: Technical delivery conditions Ed 1.00 A4 36p EN PDF 36p EN PDF 36p EN Gr 11 77.140.75 Specifies the technical delivery conditions for cold formed welded structural hollow sections of circular square or rectangular forms and applies to structural hollow sections for med cold without subsequent heat treatment. SANS 50229:2010 / EN 50229:2007 Electric clothes washer-dryers for household use - Methods of measuring the performance Ed 1.00 A4 18p EN PDF 18p EN Gr 8 PDF 18p EN Gr 8 97.060 Specifies test methods with regard to the energy labelling of household combined washer-driers. Deals with performance criteria, energy and
Ed 1.00 A4 30p EN Gr 10 PDF 30p EN 13.220.40; 29.060.20 Specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. SANS 50219-1:2010 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery conditions Ed 1.00 A4 36p EN PDF 36p EN Gr 11 PDF 36p EN 77.140.75 Specifies the technical delivery conditions for cold formed welded structural hollow sections of circular square or rectangular forms and applies to structural hollow sections formed cold without subsequent heat treatment. SANS 50229:2010 / EN 50229:2007 Electric clothes washer-dryers for household use - Methods of measuring the performance Ed 1.00 A4 18p EN Gr 8 PDF 18p EN 97.060 Specifies test methods with regard to the energy labelling of household combined washer-drivers. Deals with performance criteria. energy and
Specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. SANS 50219-1:2010 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery conditions Ed 1.00 A4 36p EN Gr 11 PDF 36p EN 77.140.75 Specifies the technical delivery conditions for cold formed welded structural hollow sections of circular square or rectangular forms and applies to structural hollow sections formed cold without subsequent heat treatment. SANS 50229:2010 / EN 50229:2007 Electric clothes washer-dryers for household use - Methods of measuring the performance Ed 1.00 A4 18p EN Gr 8 PDF 18p EN 97.060 Specifies test methods with regard to the energy labelling of household combined washer-driers. Deals with performance criteria, energy and
SANS 50219-1:2010 / EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy and fine grain steels Part 1: Technical delivery conditions Ed 1.00 A4 36p EN PDF 36p EN Gr 11 77.140.75 Specifies the technical delivery conditions for cold formed welded structural hollow sections of circular square or rectangular forms and applies to structural hollow sections formed cold without subsequent heat treatment. SANS 50229:2010 / EN 50229:2007 Electric clothes washer-dryers for household use - Methods of measuring the performance Ed 1.00 A4 18p EN PDF 18p EN Gr 8 97.060 Specifies test methods with regard to the energy labelling of household combined washer-driers. Deals with performance criteria, energy and
Ed 1.00 A4 36p EN Gr 11 PDF 36p EN 77.140.75 Specifies the technical delivery conditions for cold formed welded structural hollow sections of circular square or rectangular forms and applies to structural hollow sections formed cold without subsequent heat treatment. SANS 50229:2010 / EN 50229:2007 Electric clothes washer-dryers for household use - Methods of measuring the performance Ed 1.00 A4 18p EN Gr 8 PDF 18p EN 97.060 Specifies test methods with regard to the energy labelling of household combined washer-driers. Deals with performance criteria, energy and
Specifies the technical delivery conditions for cold formed welded structural hollow sections of circular square or rectangular forms and applies to structural hollow sections formed cold without subsequent heat treatment. SANS 50229:2010 / EN 50229:2007 Electric clothes washer-dryers for household use - Methods of measuring the performance Ed 1.00 A4 18p EN PDF 18p EN 97.060 Specifies test methods with regard to the energy labelling of household combined washer-driers. Deals with performance criteria, energy and
SANS 50229:2010 / EN 50229:2007 Electric clothes washer-dryers for household use - Methods of measuring the performance Ed 1.00 A4 18p EN Gr 8 PDF 18p EN 97.060 Specifies test methods with regard to the energy labelling of household combined washer-driers. Deals with performance criteria, energy and
Ed 1.00 A4 18p EN Gr 8 PDF 18p EN 97.060 Specifies test methods with regard to the energy labelling of household combined washer-driers. Deals with performance criteria, energy and
Specifies test methods with regard to the energy labelling of household combined washer-driers. Deals with performance criteria. energy and
water consumption for the wash programme and drying cycle and permitted tolerances to values declared by the manufacturer.
SANS 50242:2010 / EN 50242/EN 60436:2008 Electric dishwashers for household use - Methods for measuring the performance
Ed 1.00 A4 77p EN Gr 15 PDF 77p EN 97.040.40
Applies to electric dishwashers for household use that are supplied with cold or hot water (or both). States and defines the principal performance characteristics and describes the standard methods of measuring these characteristics.
SANS 50250:2003 / EN 250:2000 (2009-08-21) (SABS EN 250)
Respiratory equipment - Open-circuit self-contained compressed air diving apparatus - Requirements, testing, marking Ed 2.00 A4 28p EN Gr 10
Applies to self-contained open-circuit compressed air underwater breathing apparatus and their sub-assemblies. The object of the requirements
and tests is to ensure a minimum level of safe operation for apparatus down to a maximum depth of 50 m.

Standards South Africa Catalogue 2013

NUM - 665

NUMERICAL LIST OF STANDARDS

SANS 50269:1994 / EN 269:1994 (2007-02-23) (SABS EN 269) Respiratory protective devices - Powered fresh air hose breathing apparatus incorporating a hood - Requirements, testing, marking Ed 1.00 A4 20p EN Gr 10 PDF 20p EN 13.340.30 Specifies the minimum requirements for powered fresh-air hose-breathing apparatus incorporating a hood as respiratory protective device. Am 1(National), 2007-02-23 SANS 50270:1994 / EN 270:1994 (2010-03-26) (SABS EN 270) Respiratory protective devices - Compressed air line breathing apparatus incorporating a hood - Requirements, testing, marking Ed 1.00 A4 24p EN Gr 11 PDF 24p EN 13 340 30 Specifies minimum requirements for compressed-air line-breathing apparatus incorporating a hood as a respiratory protective device. SANS 50285:2010 / EN 50285:1999 Energy efficiency of electric lamps for household use - Measurement methods Ed 1.00 A4 9p EN Gr 6 PDF 9p EN 29.140.20; 29.140.30 Specifies the test conditions and method of measurement of luminous flux, lamp wattage and lamp life as given on a label on the lamp packaging, together with a procedure for verification of the declared values. SANS 50286-1:1998 / EN 286-1:1998 (2008-07-18) (SABS EN 286-1) Simple unfired pressure vessels designed to contain air or nitrogen Part 1: Pressure vessels for general purposes Ed 1.00 A4 65p EN Gr 15 PDF 65p EN 23.020.30 Applies to the design and manufacture of welded, simple unfired pressure vessels manufactured in series, with a single compartment. Applies to vessels which are intended to contain air or nitrogen, which are not intended to be fired, and which operate within certain constraints. Does not apply to vessels specifically designed for nuclear use or to fire extinguishers. Am 1(International), 2005-05-20 Cor 1(International), 2005-05-20 Am 2(International), 2008-07-18 SANS 50286-2:1992 / EN 286-2:1992 (2013-03-01) (SABS EN 286-2) Simple unfired pressure vessels designed to contain air or nitrogen Part 2: Pressure vessels for air braking and auxiliary systems for Ed 1.00 A4 43p EN Gr 12 PDF 43p EN 23.020.30; 43.040.40 Applies to the design and manufacture of simple unfired serially made pressure vessels designed for air braking equipment and auxiliary systems for motor vehicles and their trailers. Applies to vessels intended to contain only compressed air, and which operate within certain constraints. Does not apply to vessels specifically designed for nuclear use etc., or to fire extinguishers. Am 1(National), 2007-02-23 SANS 50286-3:1994 / EN 286-3:1994 (2013-03-01) (SABS EN 286-3) Simple unfired pressure vessels designed to contain air or nitrogen Part 3: Steel pressure vessels designed for air braking equipment and auxiliary pneumatic equipment for railway rolling stock

Applies to simple unfired steel pressure vessels designed for air braking equipment and auxiliary pneumatic equipment for railway stock. Defines three types of vessel corresponding to the current practice of European railway networks. Gives the requirements to be met for the calculation, design, fabrication, inspection during fabrication and certification of the vessel, and fittings for assembly to the vehicle.

Am 1(National), 2007-02-23

PDF 44p EN

SANS 50286-4:1994 / EN 286-4:1994 (2013-03-01)

networks, underground railways, trams, private networks, etc.

(SABS EN 286-4)

Ed 1.00 A4 44p EN

Simple unfired pressure vessels designed to contain air or nitrogen Part 4: Aluminium alloy pressure vessels designed for air braking equipment and auxiliary pneumatic equipment for railway rolling stock

Ed 1.00 A4 35p EN PDF 35p EN

Am 1(National), 2007-02-23

23.020.30; 45.060

Gr 11

Gr 12

23.020.30; 45.060

Applies to simple unfired aluminium alloy pressure vessels designed for air braking equipment and auxiliary pneumatic equipment for railway rolling stock. Gives the requirements to be met for the calculation, design, fabrication, inspection during fabrication and certification of the vessel, and fittings for assembly to the vehicle. Requirements apply to vessels designed to be fitted to rail vehicles used on the main national networks, urban

motor vehicles and their trailers

SANS 50295-1:1991 / EN 295-1:199 (SABS EN 295-1))1 (2007-06-01)	
Vitrified clay pipes and fittings an	d pipe joints for drains and sewers Part 1	1: Requirements
Ed 1.00 A4 18p EN		Gr 9
FDF TOP EN		23.040.50; 91.140.80
Specifies requirements for flexibly jo systems. The preferred dimensions Am 1(National), 2007-06-01 Am 3(International), 2007-06-01	inted vitrified clay pipes and fittings with or v for pipe lengths, curvature of bends and ang Am 1(International), 2007-06-01	without sockets for the construction of drainage and sewerage gles of junction arms are specified. Am 2(International), 2007-06-01
SANS 50295-2:1991 / EN 295-2:199 (SABS EN 295-2))1 (2007-05-18)	
Vitrified clay pipes and fittings an	d pipe joints for drains and sewers Part 2	2: Quality control and sampling
Ed 1.00 A4 17p EN		Gr 9
PDF 17p EN		23.040.50; 91.140.80
Specifies requirements for manufact Am 1(National), 2007-05-18	urer's internal quality control, third party ass Am 1(International), 2007-05-18	sessment and inspection.
SANS 50295-3:1991 / EN 295-3:199 (SABS EN 295-3))1 (2007-06-01)	
Vitrified clay pipes and fittings an	d pipe joints for drains and sewers Part 3	3: Test methods
Ed 1.00 A4 27p EN	· · · · · · · · · · · · · · · · · · ·	Gr 11
PDF 27p EN		23.040.50; 91.140.80
Specifies the test methods required permitted for the tests.	for EN 295-1. Reference to pipes includes p	pipe sections as defined in EN 295-1 where these are suitable and
Am 1(National), 2007-06-01	Am 1(International), 2007-06-01	
	·····	
SANS 50304:2010 / EN 50304/EN 6	0350:2009	
Electric cooking ranges, nobs, ov	ens and grills for nousehold use - Metho	as for measuring performance
		Gr 15
I DI OOP EN		97.040.20
Defines methods for measuring the	performance of electric cooking ranges, hob	os, ovens and grills for household use.
SANS 50312:2007 / EN 312:2003 Particleboards - Specifications		
Ed 1 00 A4 19p EN		Gr 9
PDF 19p EN		79.060.20
Specifies the requirements for resin- out in EN 300 (published in South A	bonded unfaced particleboards. Does not g	ive requirements for Oriented Strand Boards (OSB); these are set gnation SANS 472). Does not apply to extruded particleboards.
SANS 50331:2010 / EN 331:1998		
Manually operated ball valves and	I closed bottom taper plug valves for gas	installations for buildings
Ed 1.00 A4 29p EN		Gr 10
PDF 29p EN		23.060.20
Specifies the general requirements f the test methods and marking requir the building.	or the construction, performance and safety rements. It applies to valves for domestic an	of ball valves and closed bottom taper plug valves. It also details details and commercial not directly buried installations inside or outside of
SANS 50341:1992 / EN 341:1992 (2	2008-06-13)	
(SABS EN 341)		
Personal protective equipment ag	ainst falls from a height - Descender dev	ices
Ed 1.00 A4 7p EN		Gr 7
PDF /p EN		13.340.99
Specifies requirements, test method equipment against falls from a heigh	s, marking and instructions for use for descrit.	ender devices to be used in conjunction with personal protective
SANS 50352-1:2008	AIII I(Naliofial), 2008-06-13	
(SABS 50352-1)		
Hearing protectors - Safety require	ements and testing Part 1: Ear-muffs	
Ed 1.01 A4 26p EN		Gr 10
PDF 26p EN		13.340.20
EN 352-1:1993, MOD		
Specifies constructional, design and Am 1(National), 2008-05-23	performance requirements, methods of test	t, marking requirements and user information for ear muffs.

SARS 50352-2:2008 (SARS 50352-2)	
Hearing protectors - Safety requirements and testing Part 2: Ear-plugs	
Ed 1.01 A4 14p EN	Gr 7
PDF 14p EN	13.340.20
EN 352-2:1993, MOD	
Am 1(National), 2008-05-23	narking requirements and user information for ear plugs.
SANS 50352-3:2008 (SABS 50352-3)	
Hearing protectors - Safety requirements and testing Part 3: Ear-muffs attach	ed to an industrial safety helmet
Ed 1.01 A4 33p EN	Gr 11
EN 252 2:1006 MOD	13.340.20
Specifies constructional, design and performance requirements, test methods, mai	rking requirements and user information for ear muffs when fitted
to an industrial safety helmet. Requires information to be made available concerni accordance with EN 24869 1:1992, and defines a minimum level of attenuation rec Am 1(National), 2008-07-04	ing the sound characteristics of the ear muffs measured in quired for compliance with this specification.
SANS 50352-5:2005 / EN 352-5:2002 (2012-08-17)	
Hearing protectors - Safety requirements and testing Part 5: Active noise red	uction ear-muffs
Ed 1.00 A4 16p EN PDF 16p FN	Gr 8
Specifies constructional design and performance requirements, methods of test in	13.340.20
incorporation of the active noise reduction facility of ear-muffs.	
SANS 50352-6:2005 / EN 352-6:2002 (2012-08-17)	to defend out to be and
Ed 1 00 A4 120 EN	
PDF 13p EN	13.340.20
Specifies constructional, design and performance requirements, methods of test, n incorporation of an electrical audio input facility of ear-muffs.	narking requirements and user information relating to the
SANS 50352-7:2005 / EN 352-7:2002 (2012-08-17)	
Hearing protectors - Safety requirements and testing Part 7: Level-dependent	t ear-plugs
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	13.340.20
Specifies constructional, design and performance requirements, methods of test, n incorporation of an electronic level-dependent sound restoration facility in ear-pluge	narking requirements and user information relating to the s.
SANS 50353-1:2003 / EN 353-1:2002 (2010-04-16) (SABS EN 353-1)	
Personal protective equipment against falls from a height - Guided type fall a	rresters including a rigid anchor line
Ed 2.00 A4 11p EN	Gr 7
	13.340.99
Specifies the requirements, test methods, marking, information supplied by the ma a rigid anchorage line usually attached to or integrated in fixed ladders or rungs ad	anufacturer and packaging for guided type fall arresters including equately adjusted to suitable structures.
SANS 50353-2:2003 / EN 353-2:2002 (2009-08-28) (SABS EN 353-2)	
Personal protective equipment against falls from a height - Guided type fall a	rresters including a flexible anchor line
Ed 2.00 A4 13p EN	Gr 7
	13.340.99
Specifies the requirements, test methods, marking, information supplied by the ma a flexible anchor line which can be secured to an upper anchor point.	anufacturer and packaging for guided type fall arresters including
SANS 50354:2003 / EN 354:2002 (2010-04-16)	
(SABS EN 354)	
Fersonal protective equipment against fails from a height - Lanyards Ed 2.00 A4.10n EN	Gr 6
PDF 10p EN	13.340.99

Specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for non-adjustable and adjustable lanyards.

SANS 50355:2003 / EN 355:2002 (2010-04-16)	
Personal protective equipment against falls from a height - Fne	rav absorbers
Fd 2.00 A4 10p FN	Gr 6
PDF 10p EN	13.340.99
Specifies the requirements, test methods, marking, information supp	lied by the manufacturer and packaging for energy absorbers.
SANS 50358:2008 / EN 358:1999 (SABS EN 358)	
Personal protective equipment for work positioning and preven and work positioning lanyards	tion of falls from a height - Belts for work positioning and restraint
Ed 2.00 A4 12p EN	Gr 7
PDF 12p EN	13.340.99
Applies to belts and lanyards intended for the purpose of work positi supplied by the manufacturer.	oning or restraint. Specifies the requirements, testing, marking and information
SANS 50360:2003 / EN 360:2002 (2009-08-28) (SABS EN 360)	
Personal protective equipment against falls from a height - Reti	actable type fall arresters
Ed 2.00 A4 10p EN	Gr 6
PDF 10p EN	13.340.99
Specifies the requirements, test methods, marking, information supp	blied by the manufacturer and packaging for retractable type fall arresters.
SANS 50361:2003 / EN 361:2002 (2009-08-28) (SABS EN 361)	
Personal protective equipment against falls from a height - Full	body harnesses
Ed 2.00 A4 11p EN	Gr 7
PDFTIPEN	13.340.99
Specifies the requirements, test methods, marking, information supp	lied by the manufacturer and packaging for full body harnesses.
SANS 50362:2008 / EN 362:2004 (SABS EN 362)	
Personal protective equipment against falls from a height - Con	nectors
Ed 2.00 A4 17p EN	Gr 8
PDF 1/p EN	13.340.99
Specifies the requirements, test methods, instructions for use and m	narking for connectors.
SANS 50363:2003 / EN 363:2002 (2010-04-16) (SABS EN 363)	
Personal protective equipment against falls from a height - Fall	arrest systems
Ed 2.00 A4 13p EN	Gr 7
PDF 13p EN	13.340.99
Specifies the terminology and the general requirements for fall arres height. Also describes examples of how components or assemblies enable the purchaser or user to assemble all components in a corre-	t systems which serve as personal protective equipment against falls from a of components may be connected into a fall arrest system, which should ct manner and to build up a fall arrest system.
SANS 50364:1992 / EN 364:1992 (2007-03-23) (SABS EN 364)	
Personal protective equipment against falls from a height - Test	t methods
Ed 1.00 A4 20p EN	Gr 10
PDF 20p EN	13.340.99
Specifies test methods for materials, components and systems asso apparatus and static test methods, dynamic testing apparatus, inclu- strength testing of components and systems, corrosion testing of me and endurance tests. Also makes recommendations for the schedu Cor 1(International), 2007-03-23 Am 1(National), 2007-03-24	bciated with equipment for protection against falls such as, static testing ding a torso dummy, test methods for dynamic performance and dynamic etal components and test apparatus and test methods for conditioning tests ling of tests. 23
SANS 50365:2008 / EN 365:2004	

(SABS EN 365)

Personal protective equipment against falls from a height - General requirements for instructions for use, maintenance, periodic	
examination, repair, marking and packaging	

Ed 2.00	A4 12p EN	Gr 7
	PDF 12p EN	13.340.99

States the general requirements for instructions for use and for marking of equipment for protection against falls from heights. **Cor 1(International), 2008-10-03**

(SABS EN 371)	
Respiratory protective devices - AX gas filters and combined filters agains marking	t low boiling organic compounds - Requirements, testing,
Ed 1.00 A4 10p EN PDF 10p EN	Gr 7 13 340 30
Refers to gas filters and combined filters against low boiling organic compounds Specifies minimum requirements for these filters for use as part of respitory prot	for use as components in unassisted respitory protective devices. ective devices.
SANS 50372:1992 / EN 372:1992 (2008-08-15)	
Respiratory protective devices - SX gas filters and combined filters agains marking	t specific named compounds - Requirements, testing,
Ed 1.00 A4 9p EN PDF 9p EN	Gr 7 13.340.30
Refers to gas filters and combined filters against specific named compounds for requirements for these filters for use as part of respitory protective devices.	unassisted respitory protective devices. Specifies minimum
SANS 50381-1:1993 / EN 381-1:1993 (2010-02-05) (SABS EN 381-1)	
Protective clothing for users of hand-held chain saws Part 1: Test rig for te	esting resistance to cutting by a chain saw
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	13.340.10
Specifies the test rig to be used to assess the resistance of personal protective calibration procedure.	equipment to cutting by hand-held chain saws. Also describes the
SANS 50381-2:1995 / EN 381-2:1995 (2010-02-05) (SABS EN 381-2)	
Protective clothing for users of hand-held chain saws Part 2: Test methods	s for leg protectors
Ed 1.00 A4 9p EN	Gr 6
Specifies the test methods to be used to assess the resistance of leg protectors	13.340.10
openies inclusi methods to be used to assess the resistance of leg protectors	to outling by hand held chain saws and other properties.
SANS 50381-5:1995 / EN 381-5:1995 (2010-02-05) (SABS EN 381-5)	
Protective clothing for users of hand-held chain saws Part 5: Requirement	s for leg protectors
Ed 1.00 A4 10p EN PDE 10p EN	Gr 6
	13.340.10
Defines design and specifies the requirements for leg protectors which offers pro requirements for identification, marking and information for the user.	otection against cutting from a hand-held chain saw including the
SANS 50402:2006 / EN 402:2003 (SABS EN 402)	
Respiratory protective devices - Lung governed demand self-contained op face mask or mouthpiece assembly for escape - Requirements, testing, ma	en-circuit compressed air breathing apparatus with full arking
Ed 2.00 A4 31p EN	Gr 10
PDF 31p EN	13.340.30
Specifies requirements for lung governed demand self-contained open-circuit co practical performance tests are included.	mpressed-air breathing apparatus for escape. Laboratory and
SANS 50403:2007 / EN 403:2004 (SABS EN 403)	
Respiratory protective devices for self-rescue - Filtering devices with hood	for escape from fire - Requirements, testing, marking
Ed 2.00 A4 31p EN	Gr 11
PDF 31p EN	13.340.30
Specifies filtering devices with a hood for personal escape from particulate matter Specifies minimum requirements for this device which is for single use.	er, carbon monoxide and other toxic gases produced by fire.
SANS 50404:2007 / EN 404:2005 (SABS EN 404)	
Respiratory protective devices for self-rescue - Filter self-rescuer from carl	bon monoxide with mouthpiece assembly
Ed 2.00 A4 44p EN PDF 44p EN	Gr 12 13 340 30
Specifies performance requirements, test methods and marking requirements for monoxide.	r filtering devices designed for protection against carbon

SANS 50371:1992 / EN 371:1992 (2008-08-15)

SANS 50405:2003 / EN 405:2001 (2008-08-15) (SABS EN 405)	
Respiratory protective devices - Valved filtering half masks to protect agains marking	t gases or gases and particles - Requirements, testing,
Ed 2.00 A4 42p EN PDF 42p EN	Gr 12 13.340.30
Specifies the performance requirements, test methods and marking requirements combined filters as respiratory protective devices.	for valved filtering half masks incorporating either gas or
SANS 50413-1:2004 / EN 413-1:2004 (2011-02-04) Masonry cement Part 1: Composition, specifications and conformity criteria	
Ed 2.00 A4 26p EN PDF 26p EN	Gr 10 91.100.10
Gives the definition and covers the composition of masonry cements used for the physical, mechanical, chemical and durability requirements and defines strength c	production of mortar for bricklaying, and for plaster. Gives lasses. Also states the conformity criteria and the related rules.
SANS 50413-2:2006 / EN 413-2:2005 (2012-03-30) (SABS EN 413-2)	
Masonry cement Part 2: Test methods	
Ed 2.00 A4 18p EN	Gr 8
PDF 18p EN	91.100.10
Describes reference and alternative test methods to be used when testing masonr the tests on fresh mortar for consistence, water retention and air content.	y cements to assess their conformity to SANS 50413-1. It gives
SANS 50436-1:2012 / EN 50436-1:2005	
Alcohol interlocks - Test methods and performance requirements Part 1: Inst	truments for drink-driving-offender programs
Ed 1.00 A4 18p EN PDF 18p EN	Gr 8 43 040 10: 71 040 40: 71 120 99
Specifies test methods and performance requirements for breath alcohol controlle	d alcohol interlocks.
SANS 50436-2:2012 / EN 50436-2:2007 Alcohol interlocks - Test methods and performance requirements Part 2: Inst alcohol for general preventive use	truments having a mouthpiece and measuring breath
Ed 1.00 A4 25p EN	Gr 10
PDF 25p EN	43.040.10; 71.040.40; 71.120.99
Specifies test methods and performance requirements for breath alcohol controller	d alcohol interlocks with a mouthpiece.
SANS 50443:2008 / EN 443:2008	
Helmets for fire fighting in buildings and other structures	
Ed 1.00 A4 41p EN PDF 41p FN	Gr 12
Chaptering minimum requirements for fire fighters' helmote protecting the upper her	13.340.20
flame, whilst firefighting in buildings and other structures.	to mainly against the effects of impact, penetration, neat and
SANS 50444:2009 / EN 50444:2008 Basic standard for the evaluation of human exposure to electromagnetic fiel	ds from equipment for arc welding and allied processes
Ed 1.00 A4 53p EN	Gr 13
PDF 53p EN	13.280; 25.160.10
Applies to equipment for arc welding and allied processes designed for use in indus sources, wire feeders and ancillary equipment, e.g. torches, liquid cooling systems for the assessment of electromagnetic fields produced by arc welding equipment a	Istrial or domestic environments, including welding power s and arc striking and stabilising devices. Specifies procedures and defines standardized operating conditions and test set-ups.
SANS 50450-1:2011 / EN 450-1:2007	
Fly ash for concrete Part 1: Definition, specifications and conformity criteria	
Ed 1.00 A4 34p EN PDF 34p EN	Gr 11
Specifies requirements for the chemical and physical properties as well as quality as a type II addition for production of concrete, including in particular cast-in-situ o Am 1(International), 2011-03-25	control procedures for siliceous fly ash, as defined in 3.2, for use r prefabricated structural concrete conforming to EN 206-1.
SANS 50450-2:2011 / EN 450-2:2005	
Fly ash for concrete Part 2: Conformity evaluation	
Ed 1.00 A4 25p EN PDE 25p EN	Gr 10
	91.100.30

PDF 25p EN 91.100.30 Specifies the scheme for the evaluation of conformity of fly ash according to EN 450-1.

> Standards South Africa Catalogue 2013 NUM - 670
| SANS 50451-1:2011 / EN 451-1:2003 | 11 |
|--|---|
| Ed 1 00 A4 95 EN | Cr. 6 |
| PDF 8p EN | Q1 100 30 |
| Describes the reference procedure for the determination of free calcium oxide | content in fly ash |
| | |
| SANS 50451-2:2011 / EN 451-2:1994 | |
| Method of testing fly ash Part 2: Determination of fineness by wet sieving | |
| Ed 1.00 A4 6p EN
PDE 6p EN | Gr 5 |
| Describes the determination of fly ash fineness by wet sieving on a 0.045 mm. | sieve (ISO 565) |
| | |
| SANS 50458:2008 / EN 458:2004
(SABS EN 458) | |
| Hearing protectors - Recommendations for selection, use, care and main | tenance - Guidance document |
| Ed 2.00 A4 38p EN | Gr 11 |
| PDF 38p EN | 13.340.20 |
| Gives recommendations for the selection, use, care and maintenance of hearing | ng protectors. |
| SANS 50471:2006 / EN 471:2003 (2011-04-20) | |
| High-visibility warning clothing for professional use - Test methods and | requirements |
| Ed 1.00 A4 30p EN | Gr 10 |
| PDF 30p EN | 13.340.10 |
| Specifies requirements for protective clothing able to visually signal the wearer
by day and under illumination by vehicle headlights by night. | r's presence during hazardous situations under any light conditions |
| SANS 50545:2003 / EN 545:2002 (2009-12-11)
(SABS EN 545) | |
| Ductile iron pipes, fittings, accessories and their joints for water pipeline | es - Requirements and test methods |
| Ed 2.00 A4 86p EN | Gr 15 |
| PDF 86p EN | 23.040.10; 23.040.40 |
| Specifies the requirements and associated test methods applicable to ductile i pipelines to convey water (e.g. potable water), with or without pressure, and to materials, dimensions and tolerances, mechanical properties and standard co- | ron pipes, fittings, accessories and their joints for the construction of be installed below or above ground. Specifies requirements for atings of ductile iron pipes and fittings. |
| SANS 50564:1997 / EN 564:1997 (2007-03-02)
(SABS EN 564) | |
| Mountaineering equipment - Accessory cord - Safety requirements and te | est methods |
| Ed 1.00 A4 7p EN | Gr 7 |
| PDF 7p EN | 97.220.40 |
| Specifies safety requirements and test methods for accessory cord comprising use in mountaineering including climbing.
Am 1(National), 2007-03-02 | g a core and a sheath, supplied on a drum or in separate lengths, for |
| SANS 50565:2008 / EN 565:2006 | |
| (SABS EN 565) | |
| Mountaineering equipment - Tape - Safety requirements and test method | s |
| Ed 2.00 A4 10p EN | Gr 6 |
| FDF TOP EN | 97.220.40 |
| SANS 50566-1997 / EN 566-1997 (2007-03-02) | in separate lengths, for use in mountaineering including climbing. |
| (SABS EN 566) | |
| Mountaineering equipment - Slings - Safety requirements and test metho | ds |
| Ed 1.00 A4 8p EN
PDE 8p EN | Gr 7 |
| | 97.220.40 |
| Am 1(National), 2007-03-02 | ering including climbing. |
| SANS 50567:1997 / EN 567:1997 (2007-03-02)
(SABS EN 567) | |
| Mountaineering equipment - Rope clamps - Safety requirements and test | methods |
| Ed 1.00 A4 8p EN | Gr 7 |
| PDF 8p EN | 97.220.40 |
| Specifies safety requirements and test methods for rope clamps for use in mor
Am 1(National), 2007-03-02 | untaineering including climbing. |

Standards South Africa Catalogue 2013

Specifies dimensional and minimum quality requirements (in respect of optical and visual faults) for float glass, as defined in SANS 50572-1, for

(SABS EN 572-3)
Glass in building - Basic soda lime silicate glass products Part 3: Polished wire glass

Glass in building - Basic soda lime silicate glass products Part 2: Float glass

use in building. Applies only to float glass supplied in jumbo sizes and split sizes.

Glass in	building -	Basic	soda	lime	silicate
E4 2 00	411n E	N			

Ea 2.00	A4 110 EN	
	PDF 11p EN	

SANS 50572-3:2006 / EN 572-3:2004

SANS 50572-1:2006 / EN 572-1:2004

SANS 50572-2:2006 / EN 572-2:2004

PDF 11p EN

PDF 11p EN

their general quality criteria.

(SABS EN 572-1)

(SABS EN 572-2)

Ed 2.00 A4 11p EN

Ed 2.00 A4 11p EN

Specifies dimensional and minimum quality requirements (in respect of optical, visual and wire faults) for polished wired glass, as defined in SANS 50572-1, for use in building. Applies only to polished wire glass supplied in rectangular panes and in stock sizes.

SANS 50572-4:2006	/ EN	572-4:2004
(SABS EN 572-4)		

Glass in building - Basic soda lime silicate glass products Part 4: Drawn sheet glass

Ed 2.00	A4 11	рЕN	١									Gr	7	
	PDF 1	11p E	ΞN									81.0)40.	20
~														

Specifies dimensional and minimum quality requirements (in respect of optical and visual faults) for drawn sheet glass, as defined in SANS 50572-1, for use in building. Applies only to drawn sheet glass supplied in rectangular panes and in stock sizes.

SANS 50572-5:2006 / EN 572-5:2004	
(SABS EN 572-5)	

	IN 572-5)	
Glass in	building - Basic soda lime silicate glass proc	ducts Part 5: Patterned glass
Ed 2.00	A4 10p EN	Gr 6
	PDF 10p EN	81.040.20
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Specifies dimensional and minimum quality requirements (in respect of visual and pattern faults) for patterned glass, as defined in SANS 50572-1, for use in building. It applies only to patterned glass supplied in rectangular panes and in stock sizes.

SANS 50575:1995 / EN 575:1995 (2007-02-23)

(SABS EN 575)

Aluminium and aluminium alloys - Master alloys produced by melting - Specifications

Ed 1.00	A4 10p EN	Gr 7
	PDF 10p EN	77.120.10

Specifies the requirements for grades of master alloys produced by melting and intended for addition to a melt to adjust composition and/or to control impurities and/or to control the as-cast structure. Specifies the classification and designation applicable to these grades, the conditions in which they are produced, their properties and the marks by which they are identified.

Am 1(National), 2007-02-23

SANS 50576:2008 / EN 576:2003

(SABS EN 576)

Aluminium and aluminium alloys - Unalloyed aluminium ingots for remelting - Specifications

Ed 2.00	A4 11p	ΕN						Gr 7	
	PDF 1	1p EN						77.120.10	
- ···						 			

Specifies the requirements for grades of unalloyed and refined aluminium ingots intended for remelting. Specifies the classifications and designations applicable to these grades, the conditions in which they are produced, their properties and the marks by which they are identified.

SANS 50582:1993 /	EN 582:1993	(2007-02-23)	
(SABS EN 582)			

Thermal	spraying - Determination of tensile adhesive strength	
Ed 1.00	A4 7p EN	Gr 7
	PDF 7p EN	25.220.20

Determines the strength of the coating and/or the strength of the bond between the spray deposit and the parent metal. The test is conducted to evaluate the effects of parent metal and spray-deposit material, preparation of the surface of the workpiece, and the spraying conditions on the bond and adhesive strength of thermally sprayed coatings, or for routine supervision of the spray works.

Am 1(National), 2007-02-23

Glass in building - Basic soda lime silicate glass products Part 1: Definitions and general physical and mechanical properties

Gr 7 81.040.20

Defines and classifies basic glass products, indicates their chemical composition, their main physical and mechanical characteristics and defines

Gr 7

Gr 7 81.040.20

81.040.20

Specifies the requirements and associated test methods applicable to ductile iron pipes, fittings, accessories and their joints for the construction of drains and sewers outside buildings: operating without pressure, or with positive or negative pressure, installed below or above ground, and for conveyance of surface water, domestic waste water and certain types of industrial effluents, either in separate systems or in mixed systems.

Gr 11

23.040.40; 77.140.75

Ductile iron pipes, fittings, accessories and their joints for sewerage application - Requirements and test methods

SANS 50598:1994 / EN 598:1994 (2009-12-11) (SABS EN 598)

Ed 1.00 A4 30p EN

PDF 30p EN

SANS 50601:2008 / EN 601:2004 (SABS EN 601)			
Aluminium and aluminium alloys - C	astings - Chemical composition of cas	tings for use in contact with food	
Ed 2.00 A4 8p EN	· ·	Gr 6	
PDF 8p EN		67.250; 77.120.10	
Specifies the maximum percentage con designed to be in contact with food.	ntent of alloying elements and impurities i	in aluminium and aluminium alloy cast materials and articles	
SANS 50657:2009 / EN 657:2005 (SABS EN 657)			
Thermal spraying - Terminology, cla	ssification		
Ed 2.00 A4 22p EN		Gr 8	
PDF 22p EN		01.040.25; 25.220.20	
Specifies processes and general terms type of operation, and type of energy careful terms	for thermal spraying.Also classifies the t arrier.	hermal spraying processes according to type of spray material,	
SANS 50676:2010 / EN 676:2003			
Automatic forced draught burners fo	or gaseous fuels		
Ed 1.00 A4 101p EN PDF 101p EN		Gr 16	
Specifies the terminology, the general provision of control and safety devices, (hereinafter called "burners"). Does not Am 1(International), 2010-11-12	and the test procedure for these burners apply to burners specifically designed fo Cor 1(International), 2010-11-12	eration of automatic forced draught gas burners and also the . It is applicable to automatic gas burners with a combustion air fan r use in industrial processes carried out on industrial premises. Am 2(International), 2010-11-12	
SANS 50681-1:1996 / EN 681-1:1996	(2008-07-25)		
(SABS EN 681-1)			
Elastomeric seals - Material requirer	nents for pipe joint seals used in wate	r and drainage applications Part 1: Vulcanized rubber	
Ed 1.00 A4 29p EN		Gr 11	
PDF 29p EN		23.040.80	
Specifies requirements for materials used in vulcanized rubber seals for cold potable water supply (up to 50 °C), hot potable and non-potable water supply (up to 110 °C), and drainage, sewerage and rainwater systems (continuous flow up to 45 °C and intermittent flow up to 95 °C). The different designations of seals specified are defined according to their type, application and requirements. General requirements for finished joint seals are also given; any additional requirements called for by the particular application are specified in the relevant product standards taking into account that the performance of pipe joints is a function of the seal material properties, seal geometry and pipe joint design. Am 1(International), 2002-01-04 Am 1(National), 2008-07-25 Cor 1(International), 2008-07-25			
Am 2(memational), 2000-01-23	Am 5(international), 2000-07-23		
SANS 50712:1993 / EN 712:1993 (201 (SABS EN 712)	2-07-06)		
Thermoplastics piping systems - En resistance to pull-out under constant	d-load bearing mechanical joints betw t longitudinal force	een pressure pipes and fittings - Test method for	
Ed 1.00 A4 6p EN		Gr 5	
PDF 6p EN		23.040.60	
Specifies a method for checking the ab pressure pipes to withstand a longitudir Am 1(National) 2007-02-23	ility of assembled end-load bearing mech nal tensile force.	nanical joints (excluding fusion-welded joints) between fittings and	
CANC 50712.1002 / EN 712.1002 /201	2.07.06		
(SABS EN 713)	2-07-06)		
Plastics piping systems - Mechanica internal pressure of assemblies sub	I joints between fittings and polyolefin jected to bending	pressure pipes - Test method for leaktightness under	
Ed 1.00 A4 9p EN		Gr 6	
PDF 9p EN		23.040.60	
Specifies a method for checking the lea joints) between fittings and polyolefin p the procedure for achieving this bendin Am 1(National), 2007-02-23	aktightness under internal hydrostatic pre ressure pipes while subjected to bending g. Is applicable regardless of the design a	ssure of assembled mechanical joints (excluding fusion-welded . Details a calculation method for the average bending radius and and material of the fitting used for jointing pipes.	

Gr 9

Gr 6

23 040 20 83 080 20

25.160.30

SANS 50730-1:2004 / EN 730-1:2002 (2010-04-23)

Gas welding equipment - Safety devices Part 1: Incorporating a flame (flashback) arrestor

Ed 1.00 A4 20p EN PDF 20p EN

Specifies requirements for safety devices in gas welding equipment for fuel gases and oxygen or compressed air incorporating a flame (flashback) arrestor. Covers requirements for the design and material of safety devices. Provides test procedures for gas tightness and pressure resistance and methods of type testing.

SANS 50743:1994 / EN 743:1994 (2012-07-06) (SABS EN 743)

Plastics piping and ducting systems - Thermoplastics pipes - Determination of the longitudinal reversion

Ed 1.00 A4 10p EN PDF 10p EN

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Specifies two methods for determining the longitudinal reversion of cylindrical thermoplastics pipes with smooth surfaces. Provides test methods to be carried out in liquid (method A) or in air (method B). Am 1(National), 2007-02-23

SANS 50752:2010 / EN 752:2008

Drain and sewer systems outside buildings

	-	-	
1.00	A4 111p EN		Gr 16
	PDF 111p EN		93.030

Specifies the objectives for drain and sewer systems outside buildings and the functional requirements for achieving these objectives and the principles for strategic and policy activities relating to planning, design, installation, operation, maintenance and rehabilitation.

SANS 50755-2:2005 / EN 755-2:1997

Aluminium and aluminium alloys - Extruded rod/bar, tube and profiles Part 2: Mechanical properties

Ed 1.0	0 A4 58p EN	Gr 13
	PDF 58p EN	77.150.10

Specifies the mechanical property limits applicable to aluminium and aluminium alloy extruded rod/bar, tube and profile.

SANS 50755-7:2005 / EN 755-7:1998

Aluminiu	im and aluminium alloys - Extruded rod/bar, tube and profiles Part 7:	Seamless tubes, tolerances on dimensions and form
Ed 1.00	A4 15p EN	Gr 8
	PDF 15p EN	77.150.10
Specifies	the tolerances on dimensions and form for aluminium and aluminium allo	ov extruded seamless tubes with an outside diameter (OD) fro

8 mm to 450 mm (round tube) or with a cross section contained within a circumscribing circle (CD) from 10 mm to 350 mm (other than round tube), supplied in straight lengths.

SANS 50771-4:2007 / EN 771-4:2003

Specification for masonry units Part 4: Autoclaved aerated concrete masonry units

d 1.00	A4 29p EN	Gr	1
	PDF 29p EN	91.	10

Specifies the characteristics and performance requirements of autoclaved aerated concrete (AAC) masonry units for which the main intended uses are different types of load bearing and non-load bearing applications in all forms of walling including single leaf, cavity, partitions, retaining, basement and general use below ground level, including walling for fire protection, thermal insulation, sound insulation and the fabric of chimneys (excluding chimney flue units). It defines the performance related to e.g. strength, density, dimensional accuracy etc. and provides for the evaluation of conformity of the product to this standard. The marking requirement for products covered by this standard is included. Am 1(International), 2007-05-18

SANS 50795:1996 / EN 795:1996 (2007-03-23)

(SABS EN 795) Protection against falls from a height - Anchor devices - Requirements and testing Ed 1.00 A4 18p EN Gr 9

PDF 18p EN 13.340.99 Specifies requirements, test methods and instructions for use and marking for anchor devices designed exclusively for use with personal protective equipment against falls from a height.

Am 1(International), 2007-03-23

Am 1(National), 2007-02-23

SANS 50813:1997 / EN 813:1997 (2007-02-23)

(SABS EN 813) Personal protective equipment for prevention of falls from a height - Sit harnesses

Ed 1.00 A4 10p EN PDF 10p EN

Specifies requirements, testing, marking and instructions for use of sit harnesses for use in work positioning and restraint systems, where a low point of attachment is required.

Am 1(National), 2007-02-23

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00.30

Gr 7

13.340.99

SANS 50818-4:2007 / EN 818-4:1996 (2010-02-19)

Short link chain for lifting purposes - Safety Part 4: Chain slings - Grade 8

Ed 1.00 A4 30p EN PDF 30p EN

Specifies the requirements related to safety, methods of rating and testing of single-, two-, three-, four-leg and endless chain slings assembled by mechanical joining devices, and welding, using short link grade 8 medium tolerance lifting chain that complies with EN 818-2 together with the appropriate range of components of the same grade.

Am 1(International), 2010-02-19

SANS 50818-6:2000 / EN 818-6:2000 (2010-02-19)

(SABS EN 818-6)

Short link chain for lifting purposes - Safety Part 6: Chain slings - Specification for information for use and maintenance to be provided by the manufacturer

Ed 1.00 A4 24p EN PDF 24p EN

Specifies the information on use and maintenance to be provided by the manufacturer with chain slings that comply with EN 818-4 (published in South Africa as an identical adoption under the designation SANS 50818-4) and EN 818-5. Am 1(National), 2006-08-04 Am 1(International), 2010-02-19

SANS 50858-1:2002 / EN 858-1:2002 (2009-01-30)

(SABS EN 858-1)

Separator systems for light liquids (e.g. oil and petrol) Part 1: Principles of product design, performance and testing, marking and quality control

Ed 1.00 A4 50p EN PDF 50p EN

Specifies definitions, nominal sizes, principles of design, performance requirements, marking, testing and quality control for separator systems for light liquids. Applies to separator systems for light liquids, where light liquids are separated from waste water by means of gravity and/or coalescence. Does not apply to the treatment of stable emulsions, solutions of light liquids and water, grease and oils of vegetable and animal origin.

Am 1(National), 2009-01-30

SANS 50858-2:2003 / EN 858-2:2003 (2010-02-05)

Separator systems for light liquids (e.g.	oil and petrol) Part 2: Selection of nominal size, installation, operation and maintenance
Ed 1.00 A4 21p EN	Gr 9

Ed 1.00	A4 21p EN		
	PDF 21p EN		

Applies to separator systems used to separate hydrocarbons of mineral origin from wastewater. Does not apply to grease and oils of vegetable or animal origin nor to separation of emulsions or solutions. Provides guidance on the selection of nominal sizes, as well as the installation operation and maintenance of light liquid separators manufactured in accordance with EN 858-1 (published in South Africa as an identical adoption under the designation SANS 50858-1). Also gives advice on the suitability of cleansing agents if they are discharged to a separator.

SANS 50868-2:2010 / EN 868-2:2009

Packaging for terminally sterilized medical devices Part 2: Sterilization wrap - Requirements and test methods

Ed 2.00 A4 21p EN PDF 21p EN

Provides test methods and values for materials for sterile barrier systems or packaging systems (or both) that are intended to maintain sterility of terminally sterilized medical devices to the point of use.

SANS 50868-3:2010 / EN 868-3:2009

Packaging for terminally sterilized medical devices Part 3: Paper for use in the manufacture of paper bags (specified in SANS 50868-4/EN 868-4) and in the manufacture of pouches and reels (specified in SANS 50868-5/EN 868-5) - Requirements and test methods

Ed 2.00 A4 17p EN PDF 17p EN

Provides test methods and values for paper, used in the manufacture of bags (specified in EN 868-4 (published in South Africa as an identical adoption under the designation SANS 50868-4)) and in the manufacture of pouches and reels (specified in EN 868-5 (published in South Africa as an identical adoption under the designation SANS 50868-5)) used as sterile barrier systems or packaging systems (or both) that are intended to maintain sterility of terminally sterilized medical devices to the point of use.

SANS 50868-4:2010 / EN 868-4:2009

Packaging for terminally sterilized medical devices Part 4: Paper bags - Requirements and test methods

Ed 2.00 A4 13p EN Gr 7 PDF 13p EN 11.080.30; 55.040

Provides test methods and values for paper bags manufactured from paper specified in part 3 of EN 868 (published in South Africa as an identical adoption under the designation SANS 50868-3), used as sterile barrier systems or packaging systems (or both) that are intended to maintain sterility of terminally sterilized medical devices to the point of use.

Gr 9

13.060.99

11.080.30; 55.040

Gr 8

11.080.30: 55.040

53.020.30

Gr 10

Gr 10

53.020.30

13.060.99

Gr 13

SANS 50868-5:2010 / EN 868-5:2009

Packaging for terminally sterilized medical devices Part 5: Sealable pouches and reels of porous materials and plastic film construction - Requirements and test methods Gr 9

Ed 2.00 A4 19p EN PDF 19p EN

Provides test methods and values for sealable pouches and reels manufactured from porous materials complying with either EN 868 part 2, 3, 6, 7, 9 or 10 (published in South Africa as identical adoptions under the designations SANS 50868 part 2, 3, 6, 7, 9 or 10) and plastic film complying with clause 4 used as sterile barrier systems or packaging systems (or both) that are intended to maintain sterility of terminally sterilized medical devices to the point of use.

SANS 50868-6:2010 / EN 868-6:2009

Packaging for terminally sterilized medical devices Part 6: Paper for low temperature sterilization processes - Requirements and test methods Gr 8

Ed 2.00 A4 17p EN DSS 17p EN 11.080.30; 55.040

Provides test methods and values for paper used in the manufacture of preformed sterile barrier systems or packaging systems (or both) that are intended to maintain sterility of terminally sterilized medical devices to the point of use.

SANS 50868-7:2010 / EN 868-7:2009

Packaging for terminally sterilized medical of Requirements and test methods	levices Part 7: Adhesive coated paper for low temperature sterilization processes -
Ed 2.00 A4 23p EN	Gr 10
PDF 23p EN	11.080.30; 55.040
Provides test methods and values for sealable Africa as an identical adoption under the design intended to maintain sterility of terminally sterili	adhesive coated paper manufactured from paper complying with EN 868-6 (published in South nation SANS 50868-6), used as sterile barrier systems or packaging systems (or both) that are zed medical devices to the point of use. The materials specified are intended to be used for

ethylene oxide or irradiation sterilization. SANS 50868-8:2010 / EN 868-8:2009

Packaging for terminally sterilized medical devices Part 8: Re-usable sterilization containers for steam sterilizers conforming to EN 285 - Requirements and test methods

Ed 2.00	A4 20p EN	Gr 9
	PDF 20p EN	11.080.30; 55.120

Provides test methods and values for re-usable containers used as sterile barrier systems that are intended to maintain sterility of terminally sterilized medical devices to the point of use. These containers are intended to be used in steam sterilizers conforming to EN 285.

SANS 50868-9:2010 / EN 868-9:2009

Packaging for terminally sterilized medical devices Part 9: Uncoated nonwoven materials of polyolefines - Requirements and test methods

Ed 2.00 A4 10p EN PDF 10p EN

Provides test methods and values for uncoated nowoven materials of polyolefines used for sterile barrier systems or packaging systems (or both) that are intended to maintain sterility of terminally sterilized medical devices to the point of use.

SANS 50868-10:2010 / EN 868-10:2009

Packaging for terminally sterilized medical devices Part 10: Adhesive coated nonwoven materials of polyolefines - Requirements and test methods

Ed 2.00	A4 14p EN	Gr 7
	PDF 14p EN	11.080.30; 55.040

Provides test methods and values for sealable adhesive coated nonwoven materials of polyolefines, manufactured from nonwovens complying with EN 868-9 (published in South Africa as an identical adoption under the designation SANS 50868-9) used for sterile barrier systems or packaging systems (or both) that are intended to maintain sterility of terminally sterilized medical devices to the point of use.

SANS 50878:2008 / EN 878:2004 (2013-01-18)

Chemicals used for treatment of water intended for human consumption - Aluminium sulfate Ed 1.00 A4 22p EN Gr 9 PDF 22p EN 71 100 80

Applicable to aluminium sulfate used for treatment of water intended for human consumption. Describes the characteristics of aluminium sulfate and specifies the requirements for aluminium sulfate and gives reference to the analytical methods. Gives information on its use in water treatment. It also determines the rules relating to safe handling and use of aluminium sulfate.

SANS 50881:2007 / EN 881:2004 (2013-01-18)

Chemicals used for treatment of water intended for human consumption - Aluminium chloride (monomeric), aluminium chloride hydroxide (monomeric) and aluminium chloride hydroxide sulfate (monomeric)			
Ed 1.00 A4 19p EN	Gr 9		
PDF 19p EN	71.100.80		

Applicable to aluminium chloride (monomeric), aluminium chloride hydroxide (monomeric) and aluminium chloride hydroxide sulfate (monomeric) used for treatment of water intended for human consumption. Describes the characteristics and specifies the requirements of aluminium chloride, aluminium chloride hydroxide and aluminium chloride hydroxide sulfate (monomeric) and refers to the corresponding analytical methods. Gives information on their use in water treatment.

11.080.30; 55.040

Gr 6 11.080.30; 55.040

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Gr 9

71.100.80

71.100.80

SANS 50882:2008 / EN 882:2004 (2013-01-18)

Chemicals used for treatment of water intended for human consumption - Sodium aluminate

Ed 1.00 A4 19p EN

PDF 19p EN

Applicable to sodium aluminate used for treatment of water intended for human consumption. Describes the characteristics and specifies the requirements for sodium aluminate and refers to the corresponding analytical methods. Gives information for its use in water treatment. Determines the rules relating to safe handling and use of sodium aluminate.

SANS 50883:2007 / EN 883:2004 (2013-01-18)

Chemicals used for treatment of water intended for human consumption - Polyaluminium chloride hydroxide and polyaluminium chloride hydroxide sulfate Gr 9

Ed 1.00 A4 19p EN PDF 19p EN

Applicable to polyaluminium chloride hydroxide and polyaluminium chloride hydroxide sulfate used for treatment of water intended for human consumption. Describes the characteristics and specifies the requirements of polyaluminium chloride hydroxide and polyaluminium chloride hydroxide sulfate and refers to the corresponding analytical methods. Gives information on their use in water treatment.

SANS 50885:2007 / EN 885:2004 (2013-01-18)

SANS SU	SANS 50005.2007 / EN 005.2004 (2015-01-10)			
Chemicals used for treatment of water intended for human consumption - Poyaluminium chloride hydroxide silicate				
Ed 1.00	A4 17p EN	Gr 8		
	PDF 17p EN	71.100.80		

Applicable to polyaluminium chloride hydroxide silicate used for treatment of water intended for human consumption. Describes the characteristics of polyaluminium chloride hydroxide silicate and specifies the requirements for polyaluminium chloride hydroxide silicate and refers to the corresponding analytical methods. Gives information on its use in water treatment.

SANS 50886:2007 / EN 886:2004 (2013-01-18)

Chemicals used for treatment of water intended for human consumption - Poyaluminium hydroxide silicate sulfate Ed 1.00 A4 17p EN Gr 8

PDF 17p EN	71.100.80
Applicable to polyaluminium hydroxide silica	e sulfate used for treatment of water intended for human consumption. Describes the characteristics
of polyaluminium hydroxide silicate sulfate a	d specifies the requirements for polyaluminium hydroxide silicate sulfate and refers to the
corresponding analytical methods. Gives info	rmation on its use in water treatment.

SANS 50887:2008 / EN 887:2004

Chemicals used for treatment of water intended for human consump	ption	- Aluminium	iron (III) sulfate
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Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	71.100.80

Applicable to aluminium iron (III) sulfate used for treatment of water intended for human consumption. Describes the characteristics and specifies the requirements for aluminium iron (III) sulfate and refers to the corresponding analytical methods. Gives information on its use in water treatment. It also determines the rules relating to safe handling and use of aluminium iron (III) sulfate.

SANS 50888:2008 / EN 888:2004

Chemicals used for treatment of water intended for human consumption - Iron (III) chloride

Ed 1.00	A4 38p EN	Gr 11
	PDF 38p EN	13.060.20; 71.100.80

Applicable to iron (III) chloride (a), iron (III) chloride hexahydrate (b), iron (III) chloride solution (c) used for treatment of water intended for human consumption. Describes the characteristics and specifies the requirements and the corresponding analytical methods for iron (III) chlorides (a), (b) and (c) and gives information for their use in water treatment.

SANS 50889:2008 / EN 889:2004

Chemicals used for treatment of water intended for human consumption - Iron (II) sulfate

Ed 1.00	A4 33p EN	Gr 11
	PDF 33p EN	71.100.80

Applicable to iron (II) sulfate heptahydrate used for treatment of water intended for human consumption. Describes the characteristics of iron (II) sulfate heptahydrate and specifies the requirements and the corresponding analytical methods for iron (II) sulfate heptahydrate and gives information on its use in water treatment.

SANS 50890:2008 / EN 890:2004

Chemicals used for treatment of water intended for human consumption - Iron (III) sulfate liquid

Ed 1.00	A4 38p EN	Gr 11
	PDF 38p EN	71.100.80

Applicable to iron (III) sulfate liquid of various iron and/or acid contents used for treatment of water intended for human consumption. Describes the characteristics of iron (III) sulfate liquid and specifies the requirements and the corresponding analytical methods for iron (III) sulfate liquid and gives information on its use in water treatment. It also determines the rules relating to safe handling and use of iron (III) sulfate liquid.

Chemicals used for treatment of water intended for human consumption - Iron (III) chloride sulfate Gr 11

Ed 1.00 A4 38p EN PDF 38p FN

Applicable to iron (III) chloride sulfate used for treatment of water intended for human consumption. Describes the characteristics of iron (III) chloride sulfate and specifies the requirements and the corresponding analytical methods for iron (III) chloride sulfate and gives information on its use in water treatment. It also determines the rules relating to safe handling and use of iron (III) chloride sulfate.

SANS 50892:2007 / EN 892:2004

SANS 50891:2008 / EN 891:2004

(SABS EN 892)

Mountaineering equipment - Dynamic mountaineering ropes - Safety requirements and test methods

Ed 2.00 A4 27p EN PDF 27p EN

Specifies safety requirements and test methods for dynamic ropes (single, half and twin ropes) in kernmantel construction for use in mountaineering including climbing.

SANS 50896:2007 / EN 896:2005

Chemicals used for treatment of water intended for human consumption - Sodium hydroxide Ed 1.00 A4 28p EN Gr 10 PDF 28p EN 71.100.80

Applies to sodium hydroxide used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements and the corresponding test methods for sodium hydroxide. It gives information on its use in water treatment.

SANS 50897:2007 / EN 897:2005

Chemicals used for treatment of water intended for human consumption - Sodium carbonate Gr 9 Ed 1.00 A4 21p EN PDF 21p EN 71.100.80

Applies to sodium carbonate used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements and the corresponding test methods for sodium carbonate. It gives information on its use in water treatment.

SANS 50898:2007 / EN 898:2005

Chemicals used for treatment of water intended for	human consumption - Sodium hydrogen carbonate
Ed 1.00 A4.20p EN	Gr 9

Lu	1.00		GI 9
		PDF 20p EN	71.100.80

Applicable to sodium hydrogen carbonate used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements and the corresponding test methods for sodium hydrogen carbonate. It gives information on its use in water treatment.

SANS 50899:2008 / EN 899:2003

Chemicals used for treatment of water intended for human consumption - Sulfuric acid

Ed 1.00	A4 19p EN	
	PDF 19p EN	

Applicable to sulfuric acid used for treatment of water intended for human consumption. Describes the characteristics of sulfuric acid and specifies the requirements and the corresponding test methods for sulfuric acid. It also gives information on its use in water treatment.

SANS 50901:1999	EN 901:1999	(2007-01-19)

(SABS EN 901)

Chemicals used for treatment of water intended for human consumption - Sodium hypochlorite

Ed 1.00 A4 33p EN

PDF 33p EN

Applicable to sodium hypochlorite used for treatment of water intended for human consumption. It describes the characteristics of sodium hypochlorite and specifies the requirements and the corresponding test methods for sodium hypochlorite. It gives information on its use in water treatment.

Am 1(National), 2007-01-19

SANS 50902:1999 / EN 902:1999 (2007-01-19)

(SABS EN 902)

Chemicals used for treatment of water intended for human consumption - Hydrogen peroxide

Ed 1.00 A4 29p EN

PDF 29p EN

Applicable to hydrogen peroxide used for treatment of water intended for human consumption. It describes the characteristics of hydrogen peroxide and specifies the requirements and the corresponding test methods for hydrogen peroxide. It gives information on its use in water treatment. Am 1(National), 2007-01-19

Gr 9

13.060.20: 71.100.80

Gr 12 71.100.80

Gr 11

71.100.80

97.220.40

Gr 10

71.100.80

Ed 1.00 A4 24p EN PDF 24p EN	Gr 10 01.040.91; 91.100.30
Covers admixtures for plain, reinforced and prestressed concrete which are used in	n site mixed, ready mixed concrete and precast concrete.
SANS 50934-3:2012 / EN 934-3:2009 Admixtures for concrete, mortar and grout Part 3: Admixtures for masonry m marking and labelling Ed 1.00 A4 17p EN	ortar - Definitions, requirements, conformity and
Defines and specifies the requirements and conformity criteria for admixtures for u admixtures, long term retarding and air entraining/plasticising which are used in re-	91.100.10; 91.100.30 se in cement based masonry mortar. Covers two types of ady-mixed and site made masonry mortars.
SANS 50934-4:2012 / EN 934-4:2009 Admixtures for concrete, mortar and grout Part 4: Admixtures for grout for pr conformity, marking and labelling Ed 1.00 A4 20p EN PDF 20p EN	Gr 9 91.100.10; 91.100.30
admixtures for use in site-mixed grout only. SANS 50934-5:2012 / EN 934-5:2007	
Admixtures for concrete, mortar and grout Part 5: Admixtures for sprayed co and labelling	ncrete - Definitions, requirements, conformity, marking
Ed 1.00 A4 23p EN PDF 23p EN	Gr 10 91.100.10; 91.100.30
Defines and specifies requirements and conformity for admixtures specifically inter-	nded for use in sprayed concrete.
SANS 50934-6:2011 / EN 934-6:2001	
Admixtures for concrete, mortar and grout Part 6: Sampling, conformity cont	rol and evaluation of conformity
Ed 1.00 A4 10p EN PDF 10p EN	Gr 6
Specifies procedures for sampling, conformity control and evaluation of conformity Am 1(International), 2011-03-25	, for admixtures according to the series EN 934.
SANS 50935:2008 / EN 935:2004	
Chemicals used for treatment of water intended for human consumption - Ali iron (III) chloride hydroxide (monomeric)	uminium iron (III) chloride (monomeric) and aluminium
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	71.100.80
Applicable to aluminium iron (III) chloride (monomeric) and aluminium iron (III) chlo for human consumption. Describes the characteristics and specifies the requireme iron (III) chloride hydroxide (monomeric) and refers to the corresponding test metho determines the rules relating to safe handling and use of aluminium iron (III) chlorid (monomeric).	ride hydroxide (monomeric) used for treatment of water intended ints for aluminium iron (III) chloride (monomeric) and aluminium ods. Gives information on their use in water treatment. It also de (monomeric) and aluminium iron (III) chloride hydroxide
SANS 50936:2008 / EN 936:2006 Chemicals used for treatment of water intended for human consumption - Ca	rbon dioxide
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	71.100.80
Applicable to carbon dioxide used for treatment of water intended for human consuse specifies the requirements and the corresponding analytical methods for carbon di	Imption. Describes the characteristics of carbon dioxide and oxide. It also gives information on its use in water treatment.
SANS 50937:2007 / EN 937:1999	
Chemicals used for treatment of water intended for human consumption - Ch	Norine
Ed 1.00 A4 26p EN PDF 26p EN	Gr 10 13.060.20; 71.100.80

Applicable to chlorine used for treatment of water intended for human consumption. Describes the characteristics of chlorine and specifies the requirements and the corresponding test methods for chlorine. It also gives information on its use in water treatment.

> Standards South Africa Catalogue 2013 NUM - 679

NUMERICAL LIST OF STANDARDS

SANS 50934-1:2011 / EN 934-1:2008

Admixtures of concrete, mortar and grout Part 1: Common requirements

Ed 1.00 A4 11p EN

PDF 11p EN

Specifies the common requirements for all admixtures covered by EN 934-2, EN 934-3, EN 934-4 and EN 934-5, which contain the specific requirements for each type of admixture.

SANS 50934-2:2011 / EN 934-2:2009

Admixtures for concrete, mortar and grout Part 2: Concrete admixtures - Definitions, requirements, conformity, marking and labelling E

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Admixtures for concrete, mortar and grout Part 4: Ad conformity, marking and labelling	mixtures for grout for prestressing tendons - Definitions, requirements,
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	91.100.10; 91.100.30
Defines and aposition requirements and conformity criter	a for admixtures for use in groute for prostrossing tendens according to EN 447. Cov

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Admixtures for concrete,	, mortar and grout Part 5: .	Admixtures for sprayed co	oncrete - Definitions,	requirements,	conformity, marking	J
and labelling						
Ed 1 00 A4 220 EN			Gr 10			

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Chemicals used for treatment of water intended for	r human consumption - Aluminium iron (III) chloride (monomeric) and	d aluminium
iron (III) chloride hydroxide (monomeric)		
Ed 1.00 A4 19p EN	Gr 9	

Gr 7

91.100.30

SANS 50938:1999 / EN 938:1999 (2007-01-19) (SABS EN 938)	
Chemicals used for treatment of water intended for human consum	ption - Sodium chlorite
Ed 1.00 A4 36p EN	Gr 12
PDF 36p EN	71.100.80
Applicable to sodium chlorite used for treatment of water intended for huspecifies the requirements and the corresponding test methods for sodiu Am 1(National), 2007-01-19	man consumption. It describes the characteristics of sodium chlorite and um chlorite. It gives information on its use in water treatment.
SANS 50994:2003 / EN 994:1995 (2009-04-24)	
Textile floor coverings - Determination of the side length, squarene	ss and straightness of tiles
Ed 1.00 A4 6p EN	Gr 5
PDF 6p EN	59.080.60
Specifies a method for determining the length and straightness of the ec	lges and the squareness of floor coverings in the form of right-angled tiles.
SANS 51004:2009 / EN 1004:2004	
Mobile access and working towers made of prefabricated elements requirements	- Materials, dimensions, design loads, safety and performance
Ed 1.00 A4 32p EN	Gr 11
PDF 32p EN	91.220
Specifies safety and performance requirements of mobile access work 12, 0 (indoors) and from 2, 5 m to 8, 0 (outdoors). Gives guidance for the and their definitions.	ting towers made of prefabricated elements with a height from 2, 5 m to e choice of the main dimensions and stabilising methods. Gives 17 terms
SANS 51008:2006 / EN 1008:2002 (2012-11-23)	
Mixing water for concrete - Specification for sampling, testing and processes in the concrete industry, as mixing water for concrete	assessing the suitability of water, including water recovered from
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	91.100.30
Specifies the requirements for water that is suitable for making concrete suitability.	that conforms to EN 206-1 and describes methods for assessing its
SANS 51021-1:2006 / EN 1021-1:2006 (SABS EN 1021-1)	
Furniture - Assessment of the ignitability of upholstered furniture P	art 1: Ignition source smouldering cigarette
Ed 2.00 A4 22p EN	Gr 9
PDF 22p EN	13.220.40; 97.140
Lays down a test method to assess the ignitability of material combination subjected to a smouldering cigarette as an ignition source. The test mean seating and not the ignitability of a particular finished item of furniture into guarantee, the ignition behaviour of the finished item of furniture.	ons, such as covers and fillings used in upholstered seating, when isures only the ignitability of a combination of materials used in upholstered corporating these materials. They give an indication of, but cannot
SANS 51021-2:2006 / EN 1021-2:2006	
(SABS EN 1021-2)	
Furniture - Assessment of the ignitability of upholstered furniture P	art 2: Ignition source match flame equivalent
Ed 2.00 A4 23p EN	Gr 10
Γ υΓ ζομ είν	13.220.40; 97.140
Lays down a test method to assess the ignitability of material combination subjected to a small flame as an ignition source. The test measures only and not the ignitability of a particular finished item of furniture incorporat ignition behaviour of the finished item of furniture.	ons, such as covers and fillings used in upholstered seating, when / the ignitability of a combination of materials used in upholstered seating ing these materials. They give an indication of, but cannot guarantee, the

SANS 51075:1999 / EN 1075:1999 (2007-02-23)

(SABS EN 1075)

Timber structures - Test methods - Joints made with punched metal plate fasteners

Ed 1.00 A4 22p EN PDF 22p EN

Specifies the test methods for determining the strength capacity and stiffness of joints made with punched metal plate fasteners in load bearing timber structures, which are being used to join two or more pieces of timber of the same thickness in the same plane. Am 1(National), 2007-02-23

Gr 10

21.060.99; 91.080.20

SANS 51124-1:2008 / EN 1124-1:1999

Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems Part 1: Requirements, testing, quality control

Ed 1.00 A4 18p EN Gr 11 PDF 18p EN 23.040.10; 23.040.40; 23.040.60; 77.140.75; 91.140.80; 93 030

Specifies requirements, tests and quality control for longitudianally welded, stainless steel pipes and fittings with spigot and socket for use in water systems usually operating under gravity or at a low head of pressure. Am 1(International), 2008-08-29

SANS 51124-2:2008 / EN 1124-2:2007

Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems Part 2: System S -Dimensions Ed 1.00 A4 24p EN Gr 10

PDF 24p EN 23.040.10; 23.040.40; 23.040.60; 77.140.75; 91.140.80; 93.030

Applies to pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems. Specifies dimensions and tolerances for pipes, fittings and pipe connectors and establishes a system of designations for the different pipe and pipe fitting types that conform to the stated requirements.

SANS 51124-3:2008 / EN 1124-3:1999

Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems Part 3: System X -Dimensions

Ed 1.00 A4 34p EN	Gr 11
PDF 34p EN	23.040.10; 23.040.40; 23.040.60; 77.140.75; 91.140.80;
	93.030

Applies to pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems. It specifies dimensions, tolerances and seals of System X.

SANS 51124-4:2008 / EN 1124-4:2005

Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems Part 4: Components for vacuum drainage systems and for drainage systems on ships

Ed 1.00 A	A4 34p EN	Gr 11
F	PDF 34p EN	23.040.10; 23.040.40; 47.020.30; 91.140.80

Specifies requirements, dimensions and tolerances for pipes and fittings of longitudinally welded, stainless steel pipe with spigot and socket used for vacuum drainage systems on ships and floating maritime structures.

SANS 51146:2006 / EN 1146:2005

(SABS EN 1146)

Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus incorporating a hood for escape -Requirements, testing, marking

Ed 2.00 A4 32p EN Gr 11 PDF 32p EN 13.340.30

Specifies minimum requirements for compressed air escape apparatus with a hood.

SANS 51176-1:2010 / EN 1176-1:2008

Playground equipment and surfacing Part 1: General safety requirements and test methods

Ed 1.00	A4 89p EN	Gr 15
	PDF 89p EN	97.200.40

Specifies general safety requirements for public playground equipment and surfacing, as well as the requirements that will protect children from hazards that they might be unable to foresee when using the equipment as intended, or in a manner that can be reasonably anticipated. Applicable not only to playground equipment intended for individual and collective use by children but also to equipment and units installed as children's playground equipment although they were not manufactured as such.

SANS 51176-2:2010 / EN 1176-2:2008

Playground equipment and surfacing Part 2: Additional specific safety requirements and test methods for swings

Ed 1.00 A4 22p EN PDF 22p EN

Specifies additional safety requirements for swings intended for permanent installation for use by children. Gives recommendations on the design and siting of swings.

Gr 9

97.200.40

SANS 51176-3:2010 / EN 1176-3:2008

Playground equipment and surfacing Part 3: Additional specific safety requirements and test methods for slides

Ed 1.00 A4 21p EN Gr 9 PDF 21p EN 97.200.40

Specifies additional safety requirements for slides intended for permanent installation for use by children. Aims to provide protection to the user against possible hazards during use. Not applicable to waterslides, rollerways, slide installations where auxiliary equipment is used or inclined surfaces which do not contain and guide the user.

Gr 8

SANS 51176-4:2010 / EN 1176-4:2008 Playground equipment and surfacing Part 4: Additional specific safety requirements and test methods for cableways

Ed 1.00 A4 18p EN

PDF 18p EN	97.200.40
Applies to cableways whereby children trave	el on or along a cable by the use of gravity. Specifies additional safety requirements for cablewa

iys intended for permanent installation for use by children.

SANS 51176-5:2010 / EN 1176-5:2008

Playground equipment and surfacing Part 5: Additional specific safety requirements and test methods for carousels

Ed 1.00	A4 21p EN	Gr 9
	PDF 21p EN	97.200.40

Applies to carousels that are used as playground equipment for children. Specifies additional safety requirements for carousels of diameter greater than 500 mm intended for permanent installation for use by children. Does not apply to equipment where the main play function is not rotating, motor-driven carousels, fairground carousels or climbing drums.

SANS 51176-6:2010 / EN 1176-6:2008

Playground equipment and surfacing P	art 6: Additional specific safety requirements and test methods for rocking equipment
Ed 1 00 A4 22p EN	Gr 9

PDF 22p EN 97.200.40	

Applies to rocking equipment which is used as playground equipment for children. Specifies additional safety requirements for seesaws and rocking equipment intended for permanent installation for use by children. Intended to provide protection to the user against possible hazards during use. Provides guidance for assessing the safety of other forms of seesaw/rocking equipment.

SANS 51176-7:2010 / EN 1176-7:2008

Playground equipment and surfacing Part 7: Guidance on installation, inspection, maintenance and operation Ed 1.00 A4 10p EN Gr 6 PDF 10p EN 97.200.40

Gives guidance on the installation, inspection, maintenance and operation of playground equipment, including ancillary items, e.g. gates, fences, and surfacing

SANS 51176-10:2010 / EN 1176-10:2008

Playground equipment and	surfacing Part 10: Additiona	I specific safety requirements a	nd test methods for fully enclosed	d play
equipment				

Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	97.200.40

Applies to fully enclosed play equipment intended for installation inside and outside buildings, for children up to 14 years of age. Gives additional safety requirements for exits and escape routes, visibility, external "climbability", containment walls/netting in relation to safety area, ignition resistance, specific equipments/components, impact-attenuating surfaces, signage, specific inspection and maintenance.

SANS 51176-11:2010 / EN 1176-11:2008

Playground equipment and surfacing Part 11: Additional specific safety requirements and test methods for spatial network

PDF 9p EN	97.200.40
Specifies additional safety requirements for	spatial network intended for permanent installation for use by children. Not applicable to artificial
climbing structures, which are used for train	ing for sports activities, e.g. alpinism.

SANS 51177:2010 / EN 1177:2008

Ed 1.00 A4 9p EN

mpact attenuating playground surfacing - Determination of critical fall height	
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Ed 1.00	A4 18p EN	Gr 8
	PDF 18p EN	97.200.40

Specifies a method for determining the impact attenuation of playground surfacing. Defines a critical fall height for surfacing, which represents the upper limit of its effectiveness in reducing head injury when using playground equipment.

SANS 51209:2007 / EN 1209:2003

Chemicals used for treatment of water intended for human consumption - Sodium silicate Ed 1.00 A4 25p EN Gr 10 PDF 25p EN

13.060.20: 71.100.80 Applicable to sodium silicate used for treatment of water intended for human consumption. Describes the characteristics and specifies the requirements and the corresponding test methods for sodium silicate. It also gives information on its use in water treatment.

SANS 51253-1:2010 / EN 1253-1:2003

Gullies for buildings Part 1: Requirements

Ed 1.00	A4 17p EN	Gr 8		
	PDF 17p EN	91.140.80		
Spacifics	aullion, given guidance for places of installation and requirements for the	construction	docian	norfor

Specifies gullies, gives guidance for places of installation and requirements for the construction, design, performance and marking of factory made gullies for buildings, irrespective of material, for use in drainage systems operating under gravity including siphonic systems.

Gr 6

SANS 51253-2:2010 / EN 1253-2:2003 Gullies for buildings Part 2: Test methods	
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	91.140.80
Specifies test methods for gullies for buildings according to EN 1253-1:2003 a Africa as an identical adoption under the designationSANS 51253-1 and SANS	nd access covers in accordance with EN 1253-4 (published in South 51253-4).
SANS 51253-3:2010 / EN 1253-3:1999 Gullies for buildings Part 3: Quality control	
Ed 1.00 A4 9p EN	Gr 6
	91.140.80
Specifies the requirements for quality control for gullies and access covers for 1:1999 and EN 1253-4 (published in South Africa as an identical adoption under the second	buildings to ensure conformity of these products with EN 1253- er the designation SANS 51253-1 and SANS 51253-4).
SANS 51253-4:2010 / EN 1253-4:1999 Gullies for buildings Part 4: Access covers	
Ed 1.00 A4 7p EN	Gr 6
PDF /p EN	91.140.80
Specifies access covers according to their loading strength and requirements r control.	elating to their design, construction, marking, testing and quality
SANS 51253-5:2010 / EN 1253-5:2003 Gullies for buildings Part 5: Gullies with light liquids closure	
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	91.140.80
Specifies requirements for the design, construction, performance, application a light liquid closure for buildings.	nd marking as well as test methods of factory made gullies with a
SANS 51274:2009 / EN 1274:2004 (SABS EN 1274)	
Thermal spraying - Powders - Composition, technical supply conditions	
Ed 2.00 A4 22p EN	Gr 9
	25.220.20
technical supply conditions of powders for thermal spraying.	id chemical properties. It also specifies the composition and
SANS 51276:2011 / EN 1276:2009 Chemical disinfectants and antiseptics - Quantitative suspension test for disinfectants and antiseptics used in food, industrial, domestic, and insti	the evaluation of bactericidal activity of chemical tutional areas - Test method and requirements (phase 2,
	0+ 10
PDF 45p EN	11 080 20: 71 100 35
Specifies a test method and the minimum requirements for bactericidal activity homogeneous, physically stable preparation when diluted with hard water or, in	of chemical disinfectant and antiseptic products that form a the case of ready-to-use products, with water.
SANS 51278:2008 / EN 1278:1998	0
Ed 1 00. A4 22b EN	Gr 9
PDF 22p EN	13.060.20; 71.100.80
Applicable to ozone used for treatment of water intended for human consumpti requirements and the corresponding test methods for ozone. It also gives infor	on. Describes the characteristics of ozone and specifies the mation on its use in water treatment.
SANS 51302:2007 / EN 1302:1999	
Chemicals used for treatment of water intended for human consumption	Aluminium-based coagulants - Analytical methods
Ed 1.00 A4 53p EN	Gr 13
Applicable to churching beaud approximate used for the structure of support	/1.100.80
Applicable to aluminium-based coagulants used for freatment of water intender for products described in EN 878, EN 881, EN 882, EN 883, EN 885, EN 886, adoptions under the designations SANS 50878, SANS 50881, SANS 50882, S 50935).	EN 887 and EN 935 (published in South Africa as identical ANS 50883, SANS 50885, SANS 50886, SANS 50887 and SANS
Cor 1(International), 2007-10-19	
SANS 51317-1:2009 / EN 1317-1:1998	
From restraint systems Part 1: Terminology and general criteria for test m Ed 1 00 A4 37n EN	letnoas Gr 11
	M. 11

PDF 37p EN 01.040.93; 13.200; 93.080.30

Specifies the definitions of the principal terms used for road vehicle restraint systems and pedestrian restraint systems in other parts in this standard. Specifies the general provisions for test methods.

Standards South Africa Catalogue 2013 NUM - 683

NUMERICAL LIST OF STANDARDS

Gr 8

Gr 8 25.220.20

SANS 51317-2:2009 / EN 1317-2:1998 Road restraint systems Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers

13.200; 93.080.30 Specifies requirements for the impact performance of safety barriers including vehicle parapets. Defines perfomance classes for different containment levels, acceptance criteria for impact tests and test methods.

SANS 51395:1996 / EN 1395:1996 (2007-03-02)

(SABS EN 1395)

Ed 1.00 A4 17p EN

PDF 17p EN

Thermal spraying - Acceptance inspection of thermal spraying equipment Ed 1 00 A4 14p E

Eu	1.00	А4 Т4р ЕМ
		PDF 14p EN

Specifies requirements for the acceptance inspection of thermal spraying equipment including plasma, arc and flame spraying plants used to produce high-quality sprayed coatings. Am 1(National), 2007-03-02

SANS 51395-1:2009 / EN 1395-1:2007

Thermal spraying -	Acceptance inspection of the	mal spraying equipmen	t Part 1: General requirements

Ed	1.00	A4 9p EN		Gr 6
		PDF 9p EN		25.220.20

Specifies requirements for the acceptance inspection of thermal spraying equipment including plasma (atmospheric and with controlled atmosphere in chambers), arc and flame including HVOF (high velocity oxygen-fuel) spray systems, as well as manipulator and powder feed systems used in spray jobs to produce thermally sprayed coatings of reproducible quality.

SANS 51395-2:2009 / EN 1395-2:2007

Thermal spraying - Acceptance inspection of thermal spraying equipment Part 2: Flame spraying including HVOF

Ed 1.00 A4 13p EN PDF 13p EN

Specifies requirements for the acceptance inspection of thermal spraying equipment in the case of flame spraying including HVOF (high velocity oxygen-fuel), used in spray jobs to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1.

SANS 51395-3:2009 / EN 1395-3:2007

Thermal spraying -	Acceptance inspection	of thermal spraying	equipment Part	3: Arc spraying
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Ed 1.00 A4 10p EN PDF 10p EN		
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Specifies requirements for the acceptance inspection of thermal spraying equipment, in this case arc spraying, used to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1.

SANS 51395-4:2009 / EN 1395-4:2007

Thermal spraying - Acceptance inspection of thermal spraying equipment Part 4: Plasma spraying

Ea 1.00	A4 11p EN	Gr 7
	PDF 11p EN	25.220.20

Specifies requirements for the acceptance inspection of thermal spraying equipment, in this case plasma spraying, used in spray jobs to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1.

SANS 51395-5:2009 / EN 1395-5:2007

i nermal spraying - Acceptance inspection of theri	mai spraying equipment Part 5: Plasma spraying in chambers
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	25.220.20
Specifies requirements for the acceptance inspection	of thermal spraving equipment, in this case the pressurized part only

y for low pressure and controlled atmosphere plasma spraying, used in spray jobs to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1.

SANS 51395-6:2009 / EN 1395-6:2007

Thermal spraying - Acceptance inspection of thermal spraying equipment Part 6: Manipulator systems

Ed 1.00 A4 13p EN PDF 13p EN

Specifies requirements for the acceptance inspection of thermal spraying equipment in this case manipulator systems used in spray jobs to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1.

SANS 51395-7:2009 / EN 1395-7:2007

Thermal spraying - Acceptance inspection of thermal spraying equipment Part 7: Powder feed systems

Ed 1.00	A4 10p EN	Gr 6
	PDF 10p EN	25.220.20

Specifies requirements for the acceptance inspection of thermal spraying equipment in the case of powder feed units used in spray jobs to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1, and also used in addition to SANS 51395-2 when carrying out acceptance inspection for flame and/or HVOF (high velocity oxygen-fuel) spraying equipment, or SANS 1395-4 when carrying out acceptance inspection for plasma spraying equipment.

Gr 7

Gr 6 25.220.20

25.220.20

25,220,20

Gr 7

Standards South Africa Catalogue 2013 NUM - 685

Aluminium and aluminium alloys - Alloyed ingots for remelting - Specifications			
Ed 1.00	A4 10p EN	Gr 7	
	PDF 10p EN	77 150 10	

Defines the requirements for grades of alloyed aluminium ingots intended for remelting. Specifies the classifications and designations applicable to these grades, the conditions in which they are produced, their properties and the marks by which they are identified. Am 1(National), 2007-03-02

and specifies the requirements and the test methods for anionic and non-ionic polyacrylamides. It also gives information on origin, use and handling of anionic and non-ionic polyacrylamides. SANS 51409:2007 / EN 1409:1998 Chemicals used for treatment of water intended for human consumption - Polyamines

Ed 1.00 A4 25p EN Gr 10 PDF 25p EN 71.100.80

Applicable to polyamines used for treatment of water intended for human consumption. Describes the characteristics and specifies the requirements and corresponding test methods for polyamines. It also gives information on origin, use and handling of polyamines.

SANS 51410:2007 / EN 1410:1998

SANS 51407:2007 / EN 1407:1998

PDF 20p EN

Ed 1.00 A4 20p EN

Chemicals used for treatment of water intended for human consumption - Cationic polyacrylamides Ed 1.00 A4 20p EN Gr 9

	PDF 20p EN	71.
Annlingh	a to actionic network lamidee used for treatmen	t of water intended for human

Applicable to cationic polyacrylamides used for treatment of water intended for human consumption. Describes the characteristics of cationic polyacrylamides and specifies the requirements and corresponding test methods for cationic polyacrylamides. It also gives information on the origin, use and handling of cationic polyacrylamides.

SANS 51423:1997 / EN 1423:1997 (2007-03-23)

Road marking materials - Drop on materials - Glass beads, antiskid aggregates and mixtures of the two

Ed 1.00	A4 16p EN	Gr 9
	PDF 16p EN	93.080.20

Specifies the requirements for laboratory tests (production control) and qualification procedures for the drop on materials used in road marking. Am 1(National), 2007-03-23

SANS 51424:1997 / EN 1424:1997 (2007-03-23)

(SABS EN 1424) Road marking materials - Premix glass beads Ed 1.00 A4 6p EN PDF 6p EN

Specifies the requirements for laboratory tests (production control) and qualification procedures for the premixed glass beads used in road marking materials. The requirements taken into consideration are granulometry, refractive index of the glass, chemical resistance, quality and surface treatments.

Am 1(National), 2007-03-23

SANS 51616:1997 / EN 1616:1997 (2009-10-23)

SANS 51676:1996 / EN 1676:1996 (2007-03-02)

(SABS EN 1616)

(SABS EN 1423)

Sterile urethral catheters for single use

Ed 1.00 A4 13p EN Gr 8 PDF 13p EN 11.040.25

Specifies requirements for sterile, single-use urethral catheters, with and without balloons. Am 1(National), 2009-10-23 Am 1(International), 2009-10-23

SANS 51650:2011 / EN 1650:2008

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional areas - Test method and requirements (phase 2, step 1)

Ed 2.00 A4 46p EN PDF 46p EN

(SABS EN 1676)

Specifies a test method and the minimum requirements for fungicidal or yeasticidal activity of chemical disinfectant and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water or, in the case of ready-to-use-products, with water.

NUMERICAL LIST OF STANDARDS

Chemicals used for treatment of water intended for human consumption - Anionic and non-ionic polyacrylamides

Gr 9 71.100.80

Applicable to anionic and non-ionic polyacrylamides used for treatment of water intended for human consumption. Describes the characteristics

100.80

Gr 6 93.080.20

11.080.20; 71.100.35

Gr 12

0 AND 51700 1000 / EN 1700 1000 (0007 00 00)	
SANS 51706:1998 / EN 1706:1998 (2007-03-02) (SABS EN 1706)	
Aluminium and aluminium alloys - Castings - Chemical composition and me	echanical properties
Ed 1.00 A4 17p EN	Gr 9
PDF 17p EN	77.120.10; 77.150.10
Specifies the chemical composition limits for aluminium casting alloys and mecha Am 1(National), 2007-03-02	anical properties of separately cast test bars for these alloys.
SANS 51780-1:2008 / EN 1780-1:2002	
Aluminium and aluminium alloys - Designation of alloyed aluminium ingots Numerical designation system	for remelting, master alloys and castings Part 1:
Ed 2.00 A4 8p EN	Gr 6
PDF ['] 8p EN	77.120.10
Specifies a five-figure numerical designation system for aluminium alloys and ma applications including aerospace.	ster alloys. Applies to ingots for remelting and to castings for all
SANS 51780-2:2008 / EN 1780-2:2002 (SABS EN 1780-2)	
Aluminium and aluminium alloys - Designation of alloyed aluminium ingots Chemical symbol based designation system	for remelting, master alloys and castings Part 2:
Ed 2.00 A4 9p EN	Gr 6
PDF 9p EN	77.120.10
Specifies a chemical symbol based designation system for aluminium alloys and	master alloys. Applies to ingots for remelting and to castings.
SANS 51780-3:2008 / EN 1780-3:2002 (SABS EN 1780-3)	
Aluminium and aluminium alloys - Designation of alloyed aluminium ingots rules for chemical composition	for remelting, master alloys and castings Part 3: Writing
Ed 2.00 A4 7p EN	Gr 6
PDF 7p EN	77.120.10
Specifies the writing rules for chemical composition of alloyed aluminium ingots	for remelting, master alloys and castings.
SANS 51808:1999 / EN 1808:1999 (2007-03-02) (SABS EN 1808)	
Safety requirements on suspended access equipment - Design calculations	s. stability criteria. construction - Tests
Ed 1.00 A4 92p EN	Gr 16
PDF 92p EN	53.020.99
Specifies safety requirements for suspended access equipment (SAE). Deals wit and specifies appropriate technical measures to eliminate or reduce risks. Excluce rules, transportation of passengers from one level to another, etc. Excludes appli access equipment. etc.	h significant hazards pertinent to SAE when used as intended, les operation in severe conditions, operation subject to special cations such as working platforms suspended by cranes, silo
Am 1(National), 2007-03-02	
SANS 51825-1:2010 / EN 1825-1:2004	arking and quality control

art 1: Principles of design, performance and testing, marking and quality control

Ed 1.00 A4 51p EN Gr 13 PDF 51p EN 13.060.30

Specifies definitions, nominal sizes, principles of design, performance requirements, marking, testing and quality control for grease separators. Applies to separators for the separation of greases and oils of vegetable and animal origin from wastewater by means of gravity and without any external energy. Does not cover grease separators intended to treat domestic wastewater from kitchen areas of single family dwellings, where the separator has a nominal size less than 1. Not applicable for the separation of light liquids, e.g. petrol, fuel and heating oil, and does not cover the treatment of wastewater exclusively containing stable emulsions of greases and oils. Does not cover the use of biological means (bacteria and enzymes).

Am 1(International), 2010-09-23

SANS 51825-2:2010 / EN 1825-2:2002

Grease separators Part 2: Selection of nominal size, installation, operation and maintenance

Ed 1.00	A4 28p EN	Gr 10
	PDF 28p EN	23.040.01; 93.030

Provides guidance on the selection of nominal sizes, installation, operation and maintenance of grease separators manufactured in accordance with EN 1825-1 (published in South Africa as an identical adoption under the designation SANS 51825-1).

SANS 51827:2004 / EN 1827:1999 Respiratory protective devices - Half masks without inhalation valves and wi particles or particles only - Requirements, testing, marking	th separable filters to protect against gases or gases and
Ed 1.00 A4 47p EN PDF 47p EN	Gr 12
Specifies minimum requirements for reusable half masks without inhalation valves and particles or particles only. These devices are not designed for use in oxygen of	and with separable filters, for protection against gases or gases leficient atmospheres or for escape purposes.
SANS 51854:2010 / EN 1854:2006 Pressure sensing devices for gas burners and gas burning appliances	
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	23.060.40
Specifies requirements and test methods for pressure sensing devices (PSDs) for and third families, air, combustion products and mixtures thereof for operating presidifferential and inferential types. It covers type testing only.	the control of pressures of combustible gases of the first, second ssures up to 5 bar. It covers all types of PSD including electronic,
SANS 51891:1998 / EN 1891:1998 (2007-03-02) (SABS EN 1891)	
Personal protective equipment for the prevention of falls from a height - Low	v stretch kernmantel ropes
PDF 18p EN	13.340.99
Applies to low stretch textile ropes of kernmantel construction from 8,5 mm to 16 r kinds of work positioning and restraint; for rescue and in speleology. Am 1(National), 2007-03-02	nm diameter, for use by persons in rope access including all
SANS 52004:2012 / EN 12004:2007	
Adhesives for tiles - Requirements, evaluation of conformity, classification a	nd designation
Ed 1.00 A4 25p EN PDF 25p EN	Gr 10 83 180: 91 100 10
Covers ceramic tile adhesives for internal and external tile installations on walls, flo	pors and ceilings.
SANS 52056-1:2010 / EN 12056-1:2000 Gravity drainage systems inside buildings Part 1: General and performance i	requirements
PDF 21p EN	Gr 9 01.040.91: 91.140.80
Specifies waste water drainage systems which operate under gravity and is application institutional and industrial buildings.	able for drainage systems inside dwellings and commercial,
SANS 52056-2:2010 / EN 12056-2:2000	
Gravity drainage systems inside buildings Part 2: Sanitary pipework, layout a	and calculation
PDF 42p EN	91.140.80
Specifies waste water drainage systems which operate under gravity and is application institutional and industrial buildings.	able for drainage systems inside dwellings and commercial,
SANS 52056-3:2010 / EN 12056-3:2000	
Gravity drainage systems inside buildings Part 3: Roof drainage, layout and	calculation
Ed 1.00 A4 48p EN PDF 48p EN	Gr 12 91 140 80
Specifies wastewater drainage systems, which operate under gravity and is application institutional and industrial buildings.	able for drainage systems inside dwellings and commercial,
SANS 52056-4:2010 / EN 12056-4:2000 Gravity drainage systems inside buildings Part 4: Wastewater lifting plants -	Layout and calculation
Ed 1.00 A4 20p EN	Gr 9
Specifies layout, operation and maintenance requirements for lifting plants for was rainwater within buildings and sites, together with their discharge pipework and con applications	91.140.80 tewater containing faecal matter, faecal-free wastewater and nnection to drain and faecal wastewater lifting plants for limited
SANS 52056-5:2010 / EN 12056-5:2000	
Gravity drainage systems inside buildings Part 5: Installation and testing, ins	structions for operation, maintenance and use
PDF 20p EN	ษา 9 91.140.80
Specifies waste water drainage systems which operate under gravity and is application institutional and industrial buildings.	able for drainage systems inside dwellings and commercial,

Standards South Africa Catalogue 2013 NUM - 687

13.220.20

SANS 52094-1:2009 / EN 12094-1:2003

Fixed firefighting systems - Components for gas extinguishing systems Part 1: Requirements and test methods for electrical automatic control and delay devices Gr 12

Ed 1.00 A4 45p EN PDF 45p EN

Specifies requirements and test methods for electrical automatic control and delay devices (e.c.d.) for use in combination with automatic fire detection and fire alarm systems and carbon dioxide-, inert gas- or halocarbon gas-fire extinguishing systems installed in buildings. Specifies compulsory functions which shall be provided on all electrical automatic control and delay devices and optional functions (options with requirements) which may be provided.

SANS 52094-2:2009 / EN 12094-2:2003

Fixed firefighting systems - Components for gas extinguishing systems Part 2: Requirements and test methods for non-electrical automatic control and delay devices Ed 1.00 A4 27p EN Gr 10

PDF 27p EN 13.220.20

Specifies requirements and test methods for non-electrical automatic control devices incorporating non-electrical delay devices for carbon dioxide-, inert gas- or halocarbon gas-fire extinguishing systems. Applies to devices which may be triggered by automatic fire detection installation, electrical control device, non-electrical special fire detector, manual triggering device, or a combination of the above. Covers devices which are powered pneumatically, mechanically or by a combination of both.

SANS 52094-3:2009 / EN 12094-3:2003

Fixed firefighting systems - Components for gas extinguishing systems Part 3: Requirements and test methods for manual triggering and stop devices

Ed	1.00	A4 22p EN	Gr 9
		PDF 22p EN	13.220.20
		PDF 22p EN	13.220.

Specifies requirements and describes test methods for manual triggering and stop devices of carbon dioxide-, inert gas- or halocarbon gas- fire extinguishing systems.

SANS 52094-4:2009 / EN 12094-4:2004

Ed

Fixed firefighting systems - Components for gas extinguishing systems Part 4: Requirements and test methods for container valve assemblies and their actuators

1.00	A4 33p EN	Gr 11
	PDF 33p EN	13.220.20

Specifies requirements and describes test methods for container valve assemblies for carbon dioxide- high-pressure-, inert gas- or halocarbon gasfire extinguishing systems, which include a container valve, an actuator and possibly a diptube. Specifies requirements and describes test methods for features of the component relevant only for its use in fire extinguishing installations. Does not cover diptubes not assembled to the container valves

SANS 52122:2007 / EN 12122:2005

Chemicals used for treatment of water intended for human consumption - Ammonia solution Ed 1.00 A4 21p EN Gr 9 PDF 21p EN 71.100.80

Applicable to ammonia solution used for treatment of water intended for human consumption. Describes the characteristics and specifies the requirements of ammonia solution and refers to the corresponding analytical methods. Gives information for its use in water treatment and also determines the rules relating to safe handling and use of ammonia solution.

SANS 52195-2:2007 / EN 12195-2:2000 (2013-03-15)

Load restraint assemblies on road vehicles - Safety Part 2: Web lashing made from man-made fibres

Ed 1.00 A4 25p EN PDF 25p EN

Specifies safety requirements for web lashing made from man-made fibres with flat woven webbings for multiple use and of lashing combinations with woven webbings for the safe surface transport of goods on road vehicles, e.g. trucks and trailers which are used on roads or located on vessels or on rail waggons and/or combinations thereof; includes only tensioning devices to be hand driven with a maximum hand force of 500 N; specifies methods for testing of web lashing for securing of loads; deals with the significant hazards which could occur when web lashings are in use as intended and under conditions foreseen by the manufacturer; includes composite load restraint assemblies also for the same purpose as above.

SANS 52195-3:2007 / EN 12195-3:2001 (2013-03-15) Load restraint assemblies on road vehicles - Safety Part 3: Lashing chains

Ed 1.00 A4 17p EN PDF 17p EN

Specifies safety requirements for lashing chains and lashing combinations with chain for the safe surface transport of goods on load carriers, e.g. trucks and trailers which are used on roads or located on vessels or on rail waggons and/or combinations thereof. Includes only tensioning devices to be hand driven with a maximum handforce of 500 N. Does not give requirements for multi-purpose lever blocks other than to the type of fine tolerance chain and the additional marking of the maximum hand-operating force. Deals with hazards which could occur when lashing chains are in use as intended and under conditions foreseen by the manufacturer.

43.080.10; 55.180.99

Gr 8

Gr 10

43.080.10; 55.180.99

Standards South Africa Catalogue 2013 NUM - 689

NUMERICAL LIST OF STANDARDS

Gr 9

43.080.10; 55.180.99

SANS 52195-4:2007 / EN 12195-4:2003 (2013-03-15)

Load restraint assemblies on road vehicles - Safety Part 4: Lashing steel wire ropes

Ed 1.00 A4 20p EN PDF 20p EN

Specifies safety requirements for lashing steel wire ropes and flat lashing steel wire ropes and lashing combinations with lashing steel wire ropes for the safe surface transport of loads on load carriers, e.g. trucks and trailers which are used on roads or located on vessels or on rail wagons and/or combinations thereof; stipulates procedures for testing lashing steel wire ropes and flat lashing steel wire ropes; deals with hazards which could occur when lashing steel wire ropes and flat lashing steel wire ropes are in use as intended and under conditions foreseen by the manufacturer.

SANS 52386:2007 / EN 12386:2005

Chemicals used for treatment of water intended for human consumption - Copper sulfate

Ed 1.00 A4 24p EN Gr 10 PDF 24p EN 13.060.20; 71.100.80

Applicable to copper (II) sulfate pentahydrate used for treatment of water intended for human consumption. Describes the characteristics and specifies the requirements of copper (II) sulfate pentahydrate and refers to the corresponding analytical methods. It gives information for its use in water treatment. It also determines the rules relating to safe handling and use of copper (II) sulfate pentahydrate.

SANS 52413:2010 / EN 12413:2007

Safety requirements for bonded abrasive products

Ed 1.00	A4 50p EN	Gr 12
	PDF 50p EN	25.100.70

Applicable to rotating bonded abrasive products. It specifies requirements and/or measures for the removal or reduction of hazards resulting from the design and application of the abrasive products. It also contains procedures and tests for verification of compliance with the requirements as well as safety information for use, which is to be made available to the user by the manufacturer.

SANS 52485:2007 / EN 12485:2001

Chemicals	s used for treatment of water in	Itended for human consumption -	Calcium carbonite,	high-calcium lin	ne and half-burn
dolomite -	Test methods				

Ed 1.00	A4 58p EN	Gr 13
	PDF 58p EN	71.100.80

Describes methods used for the analyses of calcium carbonate, high-calcium lime and half-burnt dolomite used to treat water for human consumption.

SANS 52566-1:2004 / EN 12566-1:2000 (2011-07-04)

Small wastewater treatment systems for up to 50 PT Part 1: Prefabricated septic tanks			
Ed 1.00	A4 18p EN	Gr 8	
	PDF 18p EN	13.060.30	

Specifies the requirements for prefabricated septic tanks for the partial treatment of domestic wastewater for a population not exceeding fifty. Am 1(International), 2004-10-15

SANS 52566-3:2010 / EN 12566-3:2005

Small wastewater treatment systems for up to 50 PT Part 3: Packaged and/or site assembled domestic wastewater treatment plants			
Ed 1.00	A4 46p EN	Gr 12	
	PDF 46p EN	13 060 30	

Specifies to wastewater drainage systems which operate under gravity and is applicable for drainage systems inside dwellings and commercial, institutional and industrial buildings.

Am 1(International), 2010-09-23

SANS 52566-4:2010 / EN 12566-4:2007

Small wastewater treatment systems for up to 50 PT Part 4: Septic tanks assembled in situ from prefabricated kits Gr 7

Ed 1.00 A4 13p EN PDF 13p EN

Specifies the requirements for septic tanks assembled in situ from prefabricated kits and ancillary equipment where applicable, used outside buildings for the partial treatment of domestic wastewater for a population up to 50 PT. Specifies pipe sizes, loads, watertightness, marking and evaluation of conformity.

SANS 52568:2010 / EN 12568:1998

Foot and leg protectors - Requirements and test methods for toecaps and metal penetration resistant inserts

Ed 1.00	A4 20p EN		
	PDF 20p EN		

Specifies requirements and test methods for toe caps and metal penetration resistant inserts.

SANS 52662:2007 / EN 12662:1998

Liquid petroleum products - Determination of contamination in middle distillates

Ed 1.00	A4 9p EN	Gr 6	
	PDF 9p EN	75.160.20	
Specifies	a method for determining contamination as the content of undissolved su	ubstances in middle distillates.	

13.060.30

13.060.30

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13.	340	.50

Standards South Africa Catalogue 2013

NUMERICAL LIST OF STANDARDS

Gr 10

13.060.20; 71.100.80

SANS 52671:2007 / EN 12671:2000

Chemicals used for treatment of water intended for human consumption - Chlorine dioxide

Ed 1.00 A4 23p EN PDF 23p EN

Applicable to chlorine dioxide for treatment of water intended for human consumption. Describes the characteristics for chlorine dioxide and specifies the requirements and the corresponding test methods for chlorine dioxide. It also gives information for its use in water treatment.

SANS 52672:2007 / EN 12672:2000

Chemicals used for treatment of water intended for human consumption - Potassium permanganate

Ed 1.00	A4 18p EN	Gr 8
	PDF 18p EN	71.100.80

Applicable to potassium permanganate used for treatment of water intended for human consumption. Describes the characteristics of potassium permanganate and specifies the requirements and the corresponding test methods for potassium permanganate. Gives information for its use in water treatment.

SANS 52825:2009 / EN 12825:2001

Raised access floors	
Ed 1.00 A4 37p EN	Gr 11
PDF 37p EN	91.060.30

Specifies the characteristics and performance requirements of raised access floors for which the main intended use is the internal fitting out of buildings, providing full access to the services to the plenum. Does not cover requirements related to dangerous substances which may be subject to regulations. Applies to modular, factory made flooring elements, comprising panels and pedestals and defines the test methods and measurement. Provides for the evaluation of conformity of the product to this European Standard.

SANS 52842:2007 / EN 12842:2000 (2012-07-06)

Ductile i	ron fittings for PVC-U	I or PE piping systems	 Requirements and test methods
Ed 1.00	A4 39p EN		Gr 11
	PDF 39p EN		23.040.40

Specifies the requirements and associated test methods applicable to ductile iron fittings and their joints to be used with poly(vinyl chloride) (PVC-U) pipes or polyethylene (PE) pipes, for the construction of pipelines and to convey water (e.g. potable water) with or without pressure.

SANS 52876:2008 / EN 12876:2000

Chemicals used for treatment of water intended for human consumption - Oxygen

Ed 1.00	A4 17p EN	(
	PDF 17p EN	1

Applicable to oxygen used for treatment of water intended for human consumption. Describes the characteristics of oxygen and specifies the requirements and the corresponding test methods for oxygen. It also gives information on its use in water treatment.

SANS 52896:2008 / EN 12896:2006

Road transport and traffic telematics - Public transport - Reference data model

Ed 1.00	A4 656p EN	Gr 25
	PDF 656p EN	35.240.60

Provides a reference data model for public transport to public transport companies and other providers of services related to the process of passenger transportation and information in the widest sense. Supports the development of software applications, their interaction or combination in an integrated information system, and the system's organisation and information management which rules the utilisation of the existing telematics environment in a company (or group of companies) running computer applications supporting the different functional areas of public transport.

SANS 52901:2007 / EN 12901:1999

Products used for treatment of water intended for human consumption - Inorganic supporting and filtering materials - Definitions

Ed 1.00 A4 27p EN PDF 27p EN

Applicable to all inorganic supporting and filtering materials (ISFM) used for treatment of water intended for human consumption. Defines terms relating to ISEM

SANS 52902:2007 / EN 12902:2004

Products used for treatment of water intended for human consumption - Inorganic supporting and filtering materials - Meth	ods of
test	

Ed 1.00 A4 37p EN PDF 37p EN

Specifies methods of test to determine physical and chemical properties of Inorganic Supporting and Filtering Materials (ISFM).

SANS 52903:2007 / EN 12903:2003

Products used for treatment of water intended for human consumption - Powdered activated carbon

Ed 1.00	A4 15p EN	Gr 8
	PDF 15p EN	13.060.20; 71.100.80

Applicable to powdered activated carbon used for treatment of water intended for human consumption. Describes the characteristics of powdered activated carbon and specifies the requirements and the corresponding test methods for powdered activated carbon. It also gives information on its use in water treatment.

13.060.20; 71.100.80

Gr 11

Gr 10

01.040.71; 13.060.20; 71.100.80

Gr 8

3.060.20; 71.100.80

Gr 10

91.140.90

Specifies the elements necessary for the preparation of the instructions for the maintenance operations, which are provided for new installed passenger lifts, goods passenger lifts, accessible goods only lifts, service lifts, escalators and passenger conveyors. Does not cover instructions for the installation and the dismantling and any legal examinations and tests based on national regulations.

Am 1(International), 2010-03-19

SANS 53121-1:2009 / EN 13121-1:2003 GRP tanks and vessels for use above ground Part 1: Raw materials - Specification conditions and acceptance conditions

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1.00	A4 22p EN		Gr 9
	PDF 22p EN		23.020.10

Gives requirements for specification and acceptance conditions of raw materials for GRP tanks and vessels with or without lining for storage or processing of fluids, factory made or site built, non pressurised or pressurised, for use above ground.

Standards South Africa Catalogue 2013

Products used for treatment of water intended for human consumption - Silica sand and silica gravel

Ed 1.00 A4 14p EN PDF 14p EN

SANS 52904:2007 / EN 12904:2005

Applicable to silica sand and silica gravel used for treatment of water intended for human consumption. Describes the characteristics of silica sand and silica gravel and specifies the requirements and the corresponding test methods for silica sand and silica gravel. It also gives information on their use in water treatment.

Gr 7

13.060.20; 71.100.80

13.060.20: 71.100.80

SANS 52915-1:2008 / EN 12915-1:2003 Products used for the treatment of water intended for human consumption - Granular activated carbon Part 1: Virgin granular activated carbon Ed 1.00 A4 24p EN Gr 9 PDF 24p EN 13.060.20: 71.100.80

Applicable to virgin granular activated carbon used for treatment of water intended for human consumption. Describes the characteristics of virgin granular activated carbon and specifies the requirements and the corresponding test methods for virgin granular activated carbon. It also gives information on its use in water treatment.

Cor 1(International), 2008-01-25

SANS 52915-2:2008 / EN 12915-2:2003

Products used for the treatment of water intended for human consumption - Granular activated carbon Part 2: Reactivated granular activated carbon Gr 8

Ed 1.00 A4 17p EN PDF 17p EN

Applicable to reactivated granular activated carbon used for treatment of water intended for human consumption. Describes the characteristics of reactivated granular activated carbon and specifies the requirements and the corresponding test methods for reactivated granular activated carbon. It also gives information on its use in water treatment.

Cor 1(International), 2008-01-25

SANS 52931:2008 / EN 12931:2000

Chemicals used for treatment of water intended for human consumption - Chemicals for emergency use - Sodium dichloroisocyanurate, anhydrous

Ed 1.00	A4 29p EN	Gr 10
	PDF 29p EN	13.060.20; 71.100.80

Applicable to sodium dichloroisocyanurate anhydrous used for emergency treatment of water intended for human consumption. Describes the characteristics of anhydrous sodium dichloroisocyanurate anhydrous and specifies the requirements and the corresponding test methods for sodium dichloroisocyanurate anhydrous. It also gives information on its use in water treatment.

SANS 52932:2008 / EN 12932:2000

Chemicals used for treatment of water intended for human consumption - Chemicals for emergency use - Sodium dichloroisocyanurate, dihydrate Ed 1.00 A4 28p EN Gr 10

PDF 28p EN 13.060.20; 71.100.80

Applicable to sodium dichloroisocyanurate dihydrate used for emergency treatment of water intended for human consumption. Describes the characteristics of sodium dichloroisocyanurate dihydrate and specifies the requirements and the corresponding test methods for sodium dichloroisocyanurate dihydrate. It also gives information on its use in water treatment.

SANS 52933:2008 / EN 12933:2000

Chemicals used for treatment of water intended for I	human consumption - Chemicals for emergency use - Trichloroisocyanuric acid
Ed 1.00 A4 27p EN	Gr 10
PDF 27p EN	13.060.20; 71.100.80
Applicable to trichloroisocyanuric acid used for emergen trichloroisocyanuric acid and specifies the requirements on its use in water treatment.	cy treatment of water intended for human consumption. Describes the characteristics of and the corresponding test methods for trichloroisocyanuric acid. It also gives information
SANS 53015:2010 / EN 13015:2001 Maintenance for lifts and escalators - Rules for main	tenance instructions

Ed 1.00 A4 23p EN PDF 23p EN

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Standards South Africa Catalogue 2013 NUM - 692

NUMERICAL LIST OF STANDARDS

SANS 53121-2:2009 / EN 13121-2:2003

GRP tanks and vessels for use above ground Part 2: Composite materials - Chemical resistance

Ed 1.00 A4 32p EN PDF 32p EN

Gives requirements for chemical resistance of composite materials used for GRP tanks and vessels for storage or processing of fluids, for use above ground. The tanks or vessels may be factory made or site built, with or without lining.

SANS 53121-3:2009 / EN 13121-3:2008

GRP tanks and vessels for use above ground Part 3: Design and workmanship Ed 1.00 A4 234p EN Gr 20 PDF 234p EN 23.020.10

Gives requirements for the design, fabrication, inspection, testing and verification of GRP tanks and vessels with or without thermoplastics lining for storage or processing of fluids, factory made or site built, non pressurised or pressurised up to 10 bar, for use above ground.

SANS 53121-4:2009 / EN 13121-4:2005

GRP tanks and vessels for use above ground Part 4: Delivery, installation and maintenance

Ed 1.00	A4 20p EN	G	r 9
	PDF 20p EN	23	.020.1

Gives requirements for delivery, installation and maintenance of GRP tanks and vessels in accordance with prEN 13121-3. Cor 1(International), 2009-07-10

SANS 53138-1:2007 / EN 13138-1:2003

Buoyant aids for swimming instruction Part 1: Safety requirements and test methods for buoyant aids to be worn

Ed	1.00	A4 28p EN					Gr 10
		PDF 28p E	IN				97.220.

Specifies safety requirements for construction, performance, sizing and marking for swimming aids intended to assist users with movement through the water whilst learning to swim or whilst learning part of a swimming stroke. It also gives methods of test for verification of these requirements. It applies to devices that are designed to be worn or are carried on the body and which have either inherent buoyancy or can be inflated. It includes Class B devices intended to introduce the wearer to the range of swimming strokes. It does not apply to buoyancy aids, lifejackets or aquatic toys.

SANS 53138-2:2009 / EN 13138-2:2007

Buoyant aids for swimming instruction Part 2: Safety requirements and test methods for buoyant aids to be held

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Ed 2.00	A4 22p EN PDF 22p EN			

Specifies safety requirements for construction, performance, sizing and marking for swimming devices intended to assist users with movement through the water in the early stages of water awereness, whilst learning part of a swimming stroke. It also gives methods of test for verification of these requirements. It applies to class C devices that are designed to assist with swimming strokes and improving specific elements of the stroke, which have either inherent buoyancy or can be inflated. It includes devices that are held in the hands or by the body. It does not apply to pull buoys, buoancy aids, lifejackets or aquatic toys.

SANS 53138-3:2009 / EN 13138-3:2007

Buoyant aids for swimming instruction Part 3: Safety requirements and test methods for swim seats to be worn

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97.220.40

Specifies safety requirements for design, sizing, materials, strength and in-water performance as well as provisions for marking and the information supplied by the manufacturer for swim seats to be worn. It also specifies the relevant test methods. It covers class A buoyancy devices in which children are seated. These devices are only intended for children aged up to 36 months with a body mass less than or equal to 18 kg.

SANS 53149-1:2009 / EN 13149-1:2004

Public transport - Road vehicle scheduling and control systems Part 1: WORLDFIP definition and application rules for onboard data transmission

Ed 1.00 A4 78p EN PDF 78p EN

Presents the general application rules of onboard data transmission bus and also cover the link between equipments inside a single vehicle.

SANS 53149-2:2009 / EN 13149-2:2004

Public transport	- Road vehicle schedu	ling and control system	ns Part 2: WORLDFIP	cabling specifications
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Ed 1.00 A4 20p EN PDF 20p EN

Specifies onboard data transmission bus equipment, its operations, and monitoring of the fleet. It includes operations aid systems, automatic passenger information systems and fare collection systems. Directly related to the functions of a vehicle i.e. the driver dashboard, engine management, brake system and door opening.

35.240.60; 43.040.15; 43.080.20; 45.060.01

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Gr 11

23.020.10

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Gr 9 97 220 40

Gr 14

Gr 8

35.100.05; 35.240.60; 43.040.15; 43.080.20; 45.060.01

SANS 53149-3:2009 / CEN/TS 13149-3:2007

Public transport - Road vehicle scheduling and control systems Part 3: WorldFIP message content

Ed 1.00 A4 83p EN PDF 83p EN

Specifies the choice and the general application rules of an onboard data transmission bus between the different equipment for service operations and monitoring of the fleet. Applies to equipment installed onboard buses, trolley-buses and tramways only as part of a bus fleet operation. Describes the WorldFIP-based network bus system and covers the link between equipment inside a single vehicle with application profiles for a simple network.

SANS 53149-4:2009 / EN 13149-4:2004

Public transport - Road vehicle scheduling and control systems Part 4: General application rules for CANopen transmission buses Ed 1.00 A4 12p EN Gr 6 PDF 12p EN 35.240.60; 43.040.15; 43.080.20; 45.060.01

Specifies the choice and the general application's rules of an onboard data transmission bus between the different equipment for service operations and monitoring of the fleet. Applies to equipment installed onboard buses, trolleybuses and tramways only as part of a bus fleet operation.

SANS 53149-5:2009 / EN 13149-5:2004

Public transport - Road vehicle scheduling and control systems Part 5: CANopen cabling specifications Gr 11

Ed 1.00 A4 32p EN PDF 32p EN

Specifies the choice and the general application's rules of an onboard data transmission bus between the different equipment for service operations and monitoring of the fleet. Excludes tramways when they are operated as part of a train, subway or metro operation. Equipment includes operation aid systems, automatic passenger information systems, fare collection systems. There is no ranking between the two bus systems.

SANS 53149-6:2008 / CEN/TS 13149-6:2005

Public transport - Road vehicle scheduling and control systems Part 6: CAN message content Gr 17

Ed 1.00 A4 127p EN PDF 127p EN

Specifies the choice and general application's rule of an onboard data transmission bus between the different equipment for service operations and monitoring of the fleet. Applies to equipment installed onboard buses, trolley-buses and tramways only as part of a bus fleet operation which includes operation aid systems, automatic passenger information systems, fare collection systems, etc. Covers the link between equipment inside a single vehicle.

SANS 53263-1:2011 / EN 13263-1:2005

Silica fume for concrete Part 1: Definitions, requirements and conformity criteria

Ed 1.00	A4 24p EN	Gr 10
	PDF 24p EN	91.100.30

Covers requirements for chemical and physical properties for silica fume to be used as a type II addition in concrete or in mortar, grouts and other mixes.

Am 1(International), 2011-03-31

SANS 53263-2:2011 / EN 13263-2:2005

Silica fume for concrete Part 2: Conformity evaluation

Ed 1.00	A4 20p EN	Gr 9
	PDF 20p EN	91.100.30

Covers technical rules for production control by the manufacturer, including autocontrol testing of samples, and for the tasks of the certification body.

Am 1(International), 2011-03-31

SANS 53280:2009 / EN 13280:2001

Specification for glass fibre reinforced cisterns of one-piece and sectional construction, for the storage, above ground, of cold water

Ed 1.00 A4 36p EN PDF 36p EN

Specifies the requirements for rectangular and vertical cylindrical glass reinforced plastics (GRP) one-piece cisterns and rectangular sectional tanks for the storage of water above ground for both domestic and industrial use within the following capacity ranges: a) one-piece cistern, 500 L to 100000 L; b) sectional tank, 500 L and larger. Particular requirements for additional components for cisterns for domestic use are also included.

SANS 53306:2008 / EN 13306:2001

Maintenance terminology Ed 1.00 A4 46p EN PDF 46p EN

Specifies generic terms and definitions for the technical, administrative and managerial areas of maintenance. It is not intended to be applicable to terms which are used for the maintenance of software only.

Gr 11 23.020.10

Gr 12

01.040.03; 03.080.10

35.240.60; 43.040.15; 43.080.20; 45.060.01

35.240.60

Gr 17

03.220.20; 35.240.60; 43.040.15

Standards South Africa Catalogue 2013

NUM - 694

NUMERICAL LIST OF STANDARDS

SANS 53372:2009 / EN 13372:2004

Road Transport and Traffic Telmatics (RTTT) - Dedicated short-range communication - Profiles for RTTT applications

Ed 1.00 A4 18p EN PDF 18p EN

Specifies definitions of terms used in condition monitoring and diagnostics of machines. Intended to provide users and manufacturers of condition monitoring and diagnostics systems with a common vocabulary.

SANS 53509:2009 / EN 13509:2003

Cathodic protection measurement techniques

Ed 1.00	A4 39p EN	Gr 11
	PDF 39p EN	23.040.99; 77.060

Deals with the cathodic protection against corrosion of buried or immersed metallic structures, detailing the measuring methods to be used for assessing the effectiveness of cathodic protection as well as the measurements and measures taken to monitor cathodic protection during operation.

SANS 53584:2010 / EN 13584:2003

Products and systems for the protection and repair of concrete structures - Test methods - Determination of creep in compression for repair products

Ed 1.00	A4 13p EN
	PDF 13p EN

Specifies a method for measuring creep under compressive load in products and systems for the repair of concrete structures, as defined in prEN 1504-3. Suitable for repair mortars and concretes with polymer binders (PC) and repair grouts, mortars and concretes with hydraulic binders (CC) and polymer cement binders (PCC).

SANS 53610:2011 / EN 13610:2002

Chemical disinfectants - Quantitative suspension test for the evaluation of virucidal activity against bacteriophages of chemical disinfectants used in food and industrial areas - Test method and requirements (phase 2, step 1) Gr 12 Ed 1.00 A4 45p EN

PDF 45p EN

Specifies a test method and requirements for the minimum virucidal activity against bacteriophages of chemical disinfectants that are used in food and industrial areas, excluding areas and situations where disinfection is medically indicated (for example in hospitals), and excluding products used on living tissues (for example skin).

SANS 53624:2011 / EN 13624:2003

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of fungicidal activity of chemical disinfectants for instruments used in the medical area - Test method and requirements (phase 2, step 1)		
Ed 1.00	A4 40p EN	Gr 11
	PDF 40p EN	11.080.20; 71.100.35

Specifies a test method and the minimum requirements for fungicidal or yeasticidal activity of chemical disinfectants and applies to products that are used in the medical area for disinfecting instruments.

SANS 53631-14:2006 / EN 13631-14:2003

Explosives for civil uses - High explosives Part 14: Determination of velocity of detonation

Ed	1.00	A4 11p EN
		PDF 11p EN

Specifies a method for determining the velocity of detonation of an explosive. The method is applicable to explosives for civil uses in cartridged or bulk form.

SANS 53697:2011 / EN 13697:2001

Chemical disinfectants and antiseptics - Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas - Test method and requirements without mechanical action (phase 2/step 2) Gr 10

Ed 1.00 A4 30p EN PDF 30p EN

Specifies a test method and the minimum requirements for bactericidal and/or fungicidal activity of chemical disinfectants that are used in food, industrial, domestic and institutional areas.

SANS 53704:2006 / EN 13704:2002

Chemical disinfectants - Quantitative su	uspension test for the evaluation of sporicidal activity of chemical disinfectants ι	used in food,
industrial, domestic, and institutional a	reas - Test method and requirements (phase 2, step 1)	
Ed 1.00 A4 35p EN	Gr 11	

1.00	A4 35p EN	Gr 11
	PDF 35p EN	71.100.35

Specifies a test method (phase 2/step 1) and the minimum requirements for sporicidal activity of chemical disinfectant products that form a homogeneous, physically stable preparation in hard water and that are used in food, industrial, domestic and institutional areas, excluding areas and situations where disinfection is medically indicated and excluding products used on living tissues except those for hand hygiene in the above considered areas.

Gr 7

71.100.30

11.080.20; 71.100.35

11.080.20: 71.100.35

Gr 7 91.080.40

Gr 8

35.100.05; 35.240.60

SANS 53727:2011 / EN 13727:2003 Chemical disinfectants and antiseptics - Quantitative suspension test for the	evaluation of bactericidal activity of chemical
disinfectants for instruments used in the medical area - lest method and req	urements (phase 2, step 1)
PDF 37p EN	11 080 20
Specifies a test method and the minimum requirements for bactericidal activity of c used in the medical area for disinfecting instruments.	hemical disinfectant products and applies to products that are
SANS 53754:2008 / EN 13754:2003 Products used for treatment of water intended for human consumption - Ben	tonite
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	13.060.20; 71.100.80
Applicable to bentonite used for treatment of water intended for human consumption requirements and the corresponding test methods for bentonite. It also gives inform	on. Describes the characteristics of bentonite and specifies the nation on its use in water treatment.
SANS 53763-1:2008 / EN 13763-1:2004 Explosives for civil uses - Detonators and relays Part 1: Requirements	
Ed 1.00 A4 28p EN	Gr 10
PDF 28p EN	71.100.30
This standard specifies the requirements for detonators, surface connectors, shock electronic initiation systems (see SANS 53763-27) nor the devices and accessories SANS 53763-26).	t tube and detonating cord relays for civil uses. It does not cover s for reliable and safe function of detonators and relays (see
SANS 53763-2:2008 / EN 13763-2:2002	
Explosives for civil uses - Defonators and relays Part 2: Determination of the	rmai stability
PDF 8p EN	71 100 30
Specifies a method for determining the thermal stability of electric detonators, non- and shock tubes for use with non-electric detonators.	electric detonators, surface connectors, detonating cord relays
SANS 53763-3:2008 / EN 13763-3:2002 Explosives for civil uses - Detonators and relays Part 3: Determination of sen	sitiveness to impact
Ed 1.00 A4 16p EN	Gr 8
PDF 16p EN	71.100.30
Specifies methods for checking that plain detonators, electric detonators, non-elect cord relays will not explode when subjected to an impact under specified conditions	tric detonators, surface connectors, shock tubes and detonating s.
SANS 53763-4:2008 / EN 13763-4:2003 Explosives for civil uses - Detonators and relays Part 4: Determination of resi	stance to abrasion of leading wires and shock tubes
Ed 1.00 A4 17p EN	Gr 8
PDF 17p EN	71.100.30
Specifies a method for determining the resistance to abrasion of plastics used as in used as base material for tubing of shock tube non-electric detonators.	nsulating material for leading wires of electric detonators, or
SANS 53763-5:2008 / EN 13763-5:2003 Explosives for civil uses - Detonators and relays Part 5: Determination of residues	istance to cutting damage of leading wires and shock
	Gr 7
PDF 12p EN	71.100.30
Specifies a method for determining the resistance to failure of the plastic materials tubing of shock tube non-electric detonators, when drawn over a sharp edge under	used in insulation of leading wires of electric detonators, or the specified loading conditions.
SANS 53763-6:2008 / EN 13763-6:2003	istance to cracking in low temperatures of leading wires
Ed 1 00 A4 10n EN	Gr 6
PDF 10p EN	71.100.30
Specifies a method for determining the resistance to cracking at low temperatures electric detonators with plastic covered leading wires.	of leading wire insulation of detonators. It is only applicable to
SANS 53763-7:2008 / EN 13763-7:2003	
Explosives for civil uses - Detonators and relays Part 7: Determination of the connections, crimps and closures	mechanical strength of leading wires, shock tubes,
Ed 1.00 A4 11p EN	Gr 7
PUFTIPEN	71.100.30
Specifies a method for determining the ability of detonator leading wires/shock tube arrangement, to withstand a pullout when subjected to a pulling force.	es, and their connections into the crimp/closure or sealing

Gr 7

71.100.30

SANS 53763-8:2008 / EN 13763-8:2003 Explosives for civil uses - Detonators and relays Part 8: Determination of the resistance to vibration of plain detonators

Specifies a method for assessing the ability of the explosive content of plain detonators to withstand the vibration likely to be experienced in normal
use and handling.

SANS 53763-11:2008 / EN 13763-11:2003

Ed 1.00 A4 11p EN

PDF 11p EN

Explosives for civil uses - Detonators and relays Part 11: Determination of resistance to damage by dropping of detonators and relavs Ed 1.00 A4 10p EN Gr 6 PDF 10p EN 71.100.30

Specifies methods for checking that a detonator, relay or surface connector will not explode when accidentally dropped onto a hard surface.

SANS 53763-12:2006 / EN 13763-12:2003

Explosives for civil uses - Detonators and relays Part 12: Determination of resistance to hydrostatic pressure		
Ed 1.00 A4 10p	EN	Gr 6
PDF 10)p EN	71.100.30
Defines the methods for the determination of resistance to hydrostatic pressure of electric and non-electric detonators relays.		

SANS 53763-13:2006 / EN 13763-13:2004

Explosives for civil uses - Detonators and relays Part 13: Determination of resistance of electric detonators to electrostatic discharge		
Ed 1.00	A4 12p EN	Gr 7
	PDF 12p EN	71.100.30

Specifies a method for determining whether electric detonators can withstand an electrostatic discharge (ESD) without detonating. The method is not applicable to magnetically-coupled detonators.

SANS 53763-15:2008 / EN 13763-15:2004

Explosiv	es for civil uses -	 Detonators and relays Part 15: Determination of equivalent initiating capa 	ability
Ed 1.00	A4 21p EN	Gr 9	
	PDF 21p EN	71 100 30	

Specifies a method of determining the equivalent initiating capability of detonators. It also specifies a functioning test (after storage) at high and low temperatures. The document is not applicable to surface connectors or detonating cord relays.

SANS 53763-16:2006 / EN 13763-16:2003

Explosiv	es for civil uses - Detonators and relays Part 16: De	termination of delay accuracy
Ed 1.00	A4 20p EN	Gr 9
	PDF 20p EN	71 100 30

Describes a method for determining the delay time accuracy of detonators and surface connectors with pyrotechnic delay elements. It does not apply to those with an electronic time delay.

SANS 53763-17:2006 / EN 13763-17:2003

Explosi	es for civil uses - Detonators and relays Part 17: Determination	of no-fire current of electric detonators
Ed 1.00	A4 10p EN	Gr 6
	PDF 10p EN	71.100.30

Describes a method for determining the no-fire current of electric detonators.

SANS 53763-18:2006 / EN 13763-18:2003

Explosives for civil uses - Detonators and relays Part 18: Determination of series firing current of electric detonators

Ed 1.00 A4 10p EN PDF 10p EN

Describes a method to determine the reliability of electric detonators connected in series, when the manufacturer's stated series firing current is applied. The test method does not apply to magnetic coupled detonators and electronic detonators.

SANS 53763-19:2008 / EN 13763-19:2003

Explosives for civil uses - I		Detonators and relays Part 19: Determination of firing impulse of electric detonators	
Ed 1.00	A4 10p EN	Gr 6	
	PDF 10p EN	71.100.30	
Specifies a method for determining the all-fire-impulse and the no-fire impulse of electric detonators.			

SANS 53763-20:2006 / EN 13763-20:2003

Explosiv	es for civil uses - Detonators and relays Part 20: Determination of to	tal electrical resistance of electric detonators
Ed 1.00	A4 9p EN	Gr 6
	PDF 9p EN	71.100.30

Defines a method for determining the electrical resistance of electric detonators.

71.100.30

Gr 6

71.100.30

71.100.30

surface connectors and

Standards South Africa Catalogue 2013 NUM - 697

SANS 53763-24:2008 / EN 13763-24:2002	
Explosives for civil uses - Detonators and relays Part 24: Determination of the	e electrical non-conductivity of shock tube
Ed 1.00 A4 10p EN PDF 10p EN	Gr 6 71.100.30
Specifies methods of determining the electrical insulation resistance (non-conductive with non-electric detonators.	vity) and the electrical flash-over distance of shock tubes for use
SANS 53763-26:2008 / EN 13763-26:2004 Explosives for civil uses - Detonators and relays Part 26: Definitions, method	s and requirements for devices and accessories for
reliable and safe function of detonators and relays	
Ed 1.00 A4 60p EN PDF 60p EN	Gr 13 71.100.30
This standard specifies the constructional and functional reguirements for testing o initiation of detonators and relays, under normal working conditions.	f devices and accessories needed for the reliable and safe
SANS 53763-27:2008 / CEN/TS 13763-27:2003	
Explosives for civil uses - Detonators and relays Part 27: Definitions, method	s and requirements for electronic initiation systems
PDF 50p EN	Gr 12 71 100 30
This standard specifies a risk analysis, evaluation and testing procedure to be used systems by identifying hazards and estimating the risks associated with the system systems.	d to investigate the safety and reliability of electronic initiation It also stipulates levels of acceptability for electronic initiation
SANS 53794:2007 / EN 13794:2002 Respiratory protective devices - Self-contained closed-circuit breathing appa Ed 1.00 A4 36p EN PDF 36p EN	ratus for escape - Requirements, testing, marking Gr 11 13.340.30
Specifies minimum requirements for self-contained closed-circuit breathing apparatoxygen type for escape.	tus, chemical oxygen (KO2, NaClO3) type and compressed
SANS 53811:2006 / EN 13811:2003 Sherardizing - Zinc diffusion coatings on ferrous products - Specification	
Ed 1.00 A4 13p EN PDF 13p EN	Gr 7 25.220.40
Specifies minimum thickness requirements for three classes of zinc coating applied of protection against corrosion and abrasion. Also specifies minimum requirements However, it does not specify any requirements for the surface condition (finish or ro after-treatments or overcoating of sherardized articles.	d to ferrous products by the sherardizing process for the purpose of or zinc dust to be used during the sherardizing process. Sughness) of the basis material before finish nor does it cover
SANS 53857-1:2008 / EN 13857-1:2003 Explosives for civil uses Part 1: Terminology	
Ed 1.00 A4 10p EN	Gr 6
PDF 10p EN	01.040.71; 71.100.30
Defines the key technical terms used in the European Standards developed in the	field of explosives for civil uses.
SANS 53923:2009 / EN 53923:2005 Filament-wound FRP pressure vessels - Materials, design, manufacturing and	d testing
Ed 1.00 A4 42p EN PDF 42p EN	Gr 12 23 020 30: 75 180 10
Specifies the requirements for the design including raw materials, calculation, mar seamless Glass Reinforced Plastic (GRP) pressure vessels with protective layer, u and for use above ground and for storage and processing of fluids.	nufacturing including composite materials, and testing of sing only multi-directional filament winding, made in a factory
SANS 53998:2008 / ENV 13998:2001	
Road transport and traffic telematics - Public transport - Non-interactive dyna Ed 1.00 A4 17p EN	mic passenger information on ground Gr 8

NUMERICAL LIST OF STANDARDS

SANS 53763-21:2008 / EN 13763-21:2003

Explosives for civil uses - Detonators and relays Part 21: Determination of flash-over voltage of electric detonators Ed 1.00 A4 11p EN Gr 7 PDF 11p EN 71.100.30

Specifies a method of determining the flash-over voltage of electric detonators.

neophatory proteotive actives	ben bentamed biosed birbait breathing apparatus for escape	nequirements, testing, marking
Ed 1.00 A4 36p EN	Gr 11	
PDF 36p EN	13.340.30	
Specifies minimum requirements	for self-contained closed-circuit breathing apparatus, chemical oxyc	en (KO2, NaClO3) type and compressed

Explosiv	ves for civil uses Part 1: 1	Ferminology			
Ed 1.00	A4 10p EN PDF 10p EN				Gr 6 01.040.71: 71.100.30
			_	 	

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Road trai	Road transport and tranic telematics - Public transport - Non-Interactive dynamic passenger information on ground		
Ed 1.00	A4 17p EN	Gr 8	
	PDF 17p EN	03.220.01	
Defines th Automatic location.	ne visual non-interactive dynamic man machine interface between a Veh b Vehicle Monitoring (AVM) system, and the passenger at a stop point or Does not cover interactive information devices or audio information prese	cle Scheduling and Control System, usually including an other location. Covers information content, presentation and entation and does not specify display technology.	

SANS 54103:2007 / EN 14103:2003 Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of	ester and linolenic acid methyl ester contents		
Ed 1.00 A4 12p EN PDF 12p EN	Gr 7 67.200.10		
Specifies a method for the determination of ester and linolenic acid methyl ester	contents.		
SANS 54104:2007 / EN 14104:2003 Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of	acid value		
Ed 1.00 A4 10p EN	Gr 6		
PDF 10p EN	67.200.10		
Specifies one utrimetic method for the determination of acid value in light colour	ed Fatty Acid Methyl Esters, hereinalter referred to as FAME.		
SANS 54105:2007 / EN 14105:2003 Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of (Reference method)	free and total glycerol and mono-, di-, triglyceride content		
Ed 1.00 A4 20p EN PDE 20p EN	Gr 9		
Specifies a method to determine the free glycerol and residual mono-, di and trig addition to mineral oils.	lyceride contents in fatty acid methyl esters (FAME) intended for		
SANS 54106:2007 / EN 14106:2003			
Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of Ed 1.00 A4.11p EN	free glycerol content		
PDF 11p EN	67.200.10		
Specifies a gas chromatographic method for the determination of free glycerol control 0.070%, hereinafter referred to as FAME.	ontent in Fatty Acids Methyl Esters (FAME) in the range of 0,005%		
SANS 54107:2007 / EN 14107:2003 Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of emission spectrometry	phosphorus content by inductively coupled plasma (ICP)		
Ed 1.00 A4 10p EN PDF 10p EN	Gr 6		
Specifies an inductively coupled plasma (ICP) emission spectrometry method fo 20 mg/kg in Fatty Acid Methyl Esters, hereinafter referred to as FAME.	r the determination of phosphorus content between 4 mg/kg and		
SANS 54108:2007 / EN 14108:2003 Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of Ed 1.00 A4.10p EN	sodium content by atomic absorption spectrometry		
PDF 10p EN	67.200.10		
Specifies a method for the determination of sodium contents equal to or greater	than 1 mg/kg.		
SANS 54109:2007 / EN 14109:2003			
Ed 1.00 A4 10p EN	Gr 6		
PDF 10p EN	67.200.10		
Specifies a method for the determination of potassium content equal to or greate	er than 0.5 mg/kg.		
SANS 54110:2007 / EN 14110:2003 Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of	methanol content		
Ed 1.00 A4 11p EN PDF 11p EN	Gr / 67.200.10		
Specifies a method for the determination of methanol content in fatty acid methy	l esters (FAME) for use as diesel fuel and domestic heating fuel.		
SANS 54111:2007 / EN 14111:2003 Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of iodine value			
Ed 1.00 A4 10p EN PDF 10p EN	Gr 6 67 200 10		
Specifies a titrimetric method for the determination of iodine value in Fatty Acid I	Methyl Esters, hereinafter referred as FAME.		
SANS 54112:2007 / EN 14112:2003			
Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of oxidation stability (accelerated oxidation test)			
Ed 1.00 A4 16p EN PDF 16p EN	Gr 8 67.200.10		
Specifies a method for the determination of the oxidation stability of fatty acid es	ters (FAME) at 110C.		

Standards South Africa Catalogue 2013 NUM - 698

Gr 9

SANS 54250:2010 / EN 14250:2004 Timber structures - Product requirements for prefabricated structural members assembled with punched metal plate fasteners

Ed 1.00 A4 19p EN

PDF 19p EN

PDF 19p EN	91.080.20
Specifies product requirements for prefabricated structural m members of structural timber (with or without finger joints) as	embers (e.g. trusses, beams and girders) for use in buildings and bridges made from sembled with punched metal plate fasteners.
SANS 54348:2011 / EN 14348:2005 Chemical disinfectants and antiseptics - Quantitative sus	spension test for the evaluation of mycobactericidal activity of chemical
Ed 1.00 A4 37p EN PDF 37p EN	Gr 11 11.080.20
Specifies a test method and the minimum requirements for m products that are used in the medical area.	nycobactericidal (or tuberculocidal) activity of chemical disinfectants and applies to
SANS 54387:2007 / EN 14387:2004 Respiratory protective devices - Gas filter(s) and combin	ed filter(s) - Requirements, testing, marking
Ed 1.00 A4 36p EN PDF 36p EN	Gr 10 13.340.30
Refers to gas and combined filters for use as components in Cor 1(International), 2007-08-24	unassisted respiratory protective devices.
SANS 54435:2011 / EN 14435:2004 Respiratory protective devices - Self-contained open-circ with positive pressure only - Requirements, testing, mark	uit compressed air breathing apparatus with half mask designed to be used king
Ed 1.00 A4 28p EN PDF 28p EN	Gr 10 13 340 30
Specifies minimum performance requirements for self-contai used with positive pressure only. This standard does not app	ned open-circuit compressed air breathing apparatus with half mask designed to be ly to apparatus used for escape, diving or fire fighting purposes.
SANS 54476:2011 / EN 14476:2005 Chemical disinfectants and antiseptics - Virucidal quanti human medicine - Test method and requirements (phase	tative suspension test for chemical disinfectants and antiseptics used in 2, step 1)
Ed 1.00 A4 34p EN PDF 34p EN	Gr 11 11 080 20
Specifies a test method and the minimum requirements for v applicable to areas and situations where disinfection is medic Am 1(International), 2011-11-04	rucidal activity of chemical disinfectants for instruments, surfaces or hands and is cally indicated.
SANS 54511-1:2010 / EN 14511-1:2007 Air conditioners, liquid chilling packages and heat pump	s with electrically driven compressors for space heating and cooling Part 1:
Ed 1.00 A4 14p EN PDE 14p EN	Gr 7
Specifies the terms and definitions for the rating and perform to-air, air-to-water and water-to-water heat pumps with electric	ance of air and water cooled air conditioners, liquid chilling packages, air-to-air, wate cally driven compressors when used for space heating or cooling.
SANS 54511-2:2010 / EN 14511-2:2007 Air conditioners, liquid chilling packages and heat pump Test conditions	s with electrically driven compressors for space heating and cooling Part 2:
Ed 1.00 A4 17p EN PDF 17p EN	Gr 8
Specifies the test conditions for the rating of air and water co water-to-water heat pumps with electrically driven compresso recovery operation of multisplit systems.	oled air conditioners, liquid chilling packages, air-to-air, water-to-air, air-to-water, and rs when used for space heating or cooling. Also specifies test conditions for heat
SANS 54511-3:2010 / EN 14511-3:2007 Air conditioners, liquid chilling packages and heat pump	s with electrically driven compressors for space heating and cooling Part 3:
Ed 1.00 A4 50p EN PDF 50p EN	Gr 12 23.120

Specifies the test methods for the rating and performance of air and water-cooled air conditioners, liquid chilling packages, air-to-air, water-to-air, air-to-water and water-to-water heat pumps with electrically driven compressors when used for space heating and cooling. Cor 1(International), 2010-04-23

human medicine - Test method and requirements (phase 2, step 1)			
Ed 1.00 A4 34p EN	Gr 11		
PDF 34p EN	11.080.20		
Specifies a test method and the minimum requirement	ts for virucidal activity of chemical disinfectants for instruments, surfaces		

Respiratory protective devices - Self-contained open-circ a positive pressure lung governed demand valve for esc	cuit compressed air breathing apparatus with half mask designed to include ape purposes only
Ed 1.00 A4 27p EN	Gr 10
PDF 27p EN	13.340.30
Specifies minimum requirements for self-contained open-circ pressure lung governed demand valve for escape purposes pressure vessels with their valves due to hot environmental of apparatus.	cuit compressed air breathing apparatus with half mask designed to include a positive only. It is intended for use in work situations where the risk on overpressurisation of the conditions is low. It does not apply to apparatus for work and rescue or to diving
SANS 54545:2010 / EN 14545:2008 Timber structures - Connectors - Requirements	
Ed 1.00 A4 37p EN PDF 37p EN	Gr 11 21.060.01: 91.080.20
Specifies requirements and test methods for materials, geon for use in load bearing timber structures.	netry, strength, stiffness and durability aspects (i.e. corrosion protection) of connectors
SANS 54561:2011 / EN 14561:2006 Chemical disinfectants and antiseptics - Quantitative car	rrier test for the evaluation of bactericidal activity for instruments used in the
medical area - Test method and requirements (phase 2, s	step 2)
Ed 1.00 A4 38p EN PDF 38p FN	Gr 11
	11.060.20
Specifies a test method and the minimum requirements for b the medical area for disinfecting instruments.	actericidal activity of chemical disinfectants and applies to products that are used in
SANS 54562:2011 / EN 14562:2006 Chemical disinfectants and antiseptics - Quantitative can used in the medical area - Test method and requirements	rrier test for the evaluation of fungicidal or yeasticidal activity for instruments s (phase 2, step 2)
Ed 1.00 A4 41p EN	Gr 12
PDF 41p EN	11.080.20
Specifies a test method and the minimum requirements for fare used in the medical area for disinfecting instruments.	ungicidal or yeasticidal activity of chemical disinfectants and applies to products that
SANS 54563:2011 / EN 14563:2008	
Chemical disinfectants and antiseptics - Quantitative can chemical disinfectants used for instruments in the media	rrier test for the evaluation of mycobactericidal or tuberculocidal activity of cal area - Test method and requirements (phase 2, step 2)
Ed 1.00 A4 37p EN	Gr 11
PDF 37p EN	11.080.20
Specifies a test method and the minimum requirements for r products that are used in the medical area for disinfecting in	nycobactericidal or tuberculocidal activity of chemical disinfectants and applies to struments.
SANS 54593-1:2006 / EN 14593-1:2005	
Respiratory protective devices - Compressed air line bre Requirements, testing, marking	athing apparatus with demand valve Part 1: Apparatus with a full face mask -
Ed 1.00 A4 36p EN PDF 36p EN	Gr 11 13.340.30
Specifies minimum requirements for compressed air line bre escape, diving, and abrasive blasting operations are not cover	athing apparatus with demand valve for use with a full face mask. Apparatus used in ered.
SANS 54593-2:2006 / EN 14593-2:2005	
Respiratory protective devices - Compressed air line bre positive pressure - Requirements, testing, marking	athing apparatus with demand valve Part 2: Apparatus with a half mask at
,	

Gr 7

23.120

SANS 54511-4:2010 / EN 14511-4:2007

Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling Part 4: Requirements

Ed 1.00 A4 14p EN PDF 14p EN

Specifies minimum requirements which ensure that air conditioners, heat pumps and liquid chilling packages with electrically driven compressors are fit for the use designated by the manufacturer when used for space heating or cooling.

SANS 54529:2011 / EN 14529:2005

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Chemical disinfectants and antiseptics - Quantitative carrier test for the evaluation of fungicidal or yeasticidal activity for instruments			
used in the medical area - Test method and requirements (phase 2, step 2)			
Ed 1.00	A4 41p EN	Gr 12	
	PDF 41p EN	11.080.20	

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Chemical disinfectants and antiseptics - Quantitative carrier test for the evaluation of mycobactericidal or tuberculocidal activity of Chemical disinfectants used for instruments in the medical area - Test method and requirements (phase 2, step 2)		
Ed 1.00	A4 37p EN	Gr 11
	PDF 37p EN	11.080.20
Specifies a test method and the minimum requirements for mycobactericidal or tuberculocidal activity of chemical disinfectants and applies to		

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Specifies minimum requirements for compressed air line breathing apparatus with demand valve for use with a half mask at positive pressure, as a respiratory protective device. Escape and diving apparatus, apparatus for fire fighting and apparatus used in abrasive blasting operations without additional features are not covered.

SANS 54594:2006 / EN 14594:2005

Respiratory protective devices - Continuous flow compressed air line breathing apparatus - Requirements, testing, marking Gr 12

Ed 1.00 A4 47p EN PDF 47p EN

Specifies minimum requirements for continuous flow compressed air line breathing apparatus for use with a full face mask, half mask or incorporating a hood, helmet or suit and apparatus used in abrasive blasting operations, as a respiratory protective device. Escape and diving apparatus are not covered.

SANS 54821-1:2008 / CEN/TS 14821-1:2003

Traffic and Travel Information (TTI) - TTI messages via cellular networks Part 1: General specifications

Ed 1.00 A4 42p EN PDF 42p EN

Provides a framework for traffic telematics (TT) service applications where data is produced at a centrally located service centre and is disseminated to terminals via a cellular radio network. Defines the specific interfaces and functionality and addresses the data specifications for both downlink and uplink messaging between a central location and randomly located vehicles. Enables messages to be exchanged between different systems and service providers adopting a variety of applications specifications. Enables device manufacturers to develop terminal equipment compatible with services based on this standard to allow for interoperability of different terminal equipment and service providers and for international availability of these services.

SANS 54821-2:2008 / CEN/TS 14821-2:2003

Traffic and Travel Information (TTI) - TTI messages via cellular networks Part 2: Numbering and ADP message header

Ed 1.00 A4 23p EN PDF 23p EN

35.240.60 Defines the specific interfaces and functionality of traffic telematics (TT) services and application data protocol (ADP) i.e. a message set for a telematics service. Incorporates the message sets of the application data protocols and the service-independent communication handling

(including conditional access and transport protocols). Provides the message type and the preferred language used in text elements of this message. Specifies the message type numbers assigned to all message types.

SANS 54821-3:2008 / CEN/TS 14821-3:2003

Traffic and Travel Information (TTI) - TTI messages via cellular networks Part 3: Basic information elements

Ed 1.00	A4 92p EN	Gr 15
	PDF 92p EN	35.240.60

Describes the functionality, procedures and requirements of basic information elements and their interaction with the service centre. Includes information units of a message, general definitions, basic information elements with reference given to elements of year, month, day (of month), hour, minute and second, area and location coding, breakdown reasons and sequence of master data.

SANS 54821-4:2008 / CEN/TS 14821-4:2003

Traffic and Travel Information (TTI) - TTI messages via cellular networks Part 4: Service-independent protocols

Ed 1.00 A4 43p EN PDF 43p EN

Describes standard transport protocol for optimizing of packet-oriented communication with low bandwidth. Offers the functionality to the layers which are essential to ensure consistent behaviour of terminal and service centres. Includes the transport protocol discriminator to distinguish between different types and versions of the service independent transport protocols. Comprises breakdown and emergency services, interactive traffic information services, broadcast traffic information services, navigation services, operator services and general information services.

SANS 54821-5:2008 / CEN/TS 14821-5:2003

Traffic and Travel Information (TTI) - TTI messages via cellular networks Part 5: Internal services

Ed 1.00	A4 105p EN	Gr 16
	PDF 105p EN	35.240.60

Specifies the task of internal services to include the configuration and updating of master data, the administration and diagnosis of functions and parameters for all services, the administration of parameters specific to a particular service, and also to check onboard equipment. Summarizes the separate internal services in the areas of access management, in master data management, and diagnosis for onboard equipment basic functionality.

SANS 54821-6:2008 / CEN/TS 14821-6:2003

Traffic and Travel Information (TTI) - TTI messages via cellular networks Part 6: External services

Ed 1.00 A4 326p EN PDF 326p EN

Specifies messages and requirements for distinguishing between and routing emergency services and breakdown assistance calls, dependent on service authorization and the mobile network in which the vehicle is located. Differentiates services within the service centre using the application ID detailed within the Call Type of the Assistance Message. In case of an emergency, this Assistance Message (generic term) is called "Emergency Call Message"; in case of a breakdown, it is called "Breakdown Assistance Message".

SANS 54821-7:2008 / CEN/TS 14821-7:2003

Traffic and Travel Information (TTI) - TTI mess	ages via cellular networks Part 7: Performance requirements for onboard positioning
Ed 1 00 A4 33p EN	Gr 11

Ed 1.00 Gr 11 PDF 33p EN 35.240.60

Specifies requirements for the positioning components of road vehicle terminal devices. Contains performance requirements for the positioning modules of the first generation of onboard traffic telematics terminal devices, based on the quality requirements for the different traffic telematics services and the need to implement simple and cost-effective solutions suitable for automotive applications.

Standards South Africa Catalogue 2013

Gr 12

Gr 22

35.240.60

35.240.60

Gr 10

13.340.30

Gr 12

35,240,60

SANS 54821-8:2008 / CEN/TS 14821-8:2003

Traffic and Travel Information (TTI) - TTI messages via cellular networks Part 8: GSM-specific parameters

Ed 1.00 A4 15p EN PDF 15p EN

Defines the definitions for implementing traffic telematics services in GSM networks on an open platform to ensure interoperability. Defines the parameters corresponding to the following terminology: Broadcast service; Data service center; Maximum data telegram length; Mobile identity; Mobile network address; Mobile network emergency call number; and Primary message ID.

SANS 54885:2011 / EN 14885:2006

Chemical disinfectants and antiseptics - Application of European Standards for chemical disinfectants and antiseptics

Ed 1.00 A4 35p EN PDF 35p EN

Specifies the standards to which disinfectant products have to conform in order to support the claims for microbicidal activity which are referred to in this standard. Applies to products to be used in the medical area, the veterinary area and in food, industrial, domestic and institutional areas.

SANS 54960:2010 / EN 14960:2006

Inflatable play equipment - Safety requirements and test methods

Ed 1.00	A4 48p EN	Gr 12
	PDF 48p EN	97.190;

Specifies safety requirements for inflatable play equipment for which the primary activities are bouncing and sliding. Sets measures to address risks and minimize accidents to users for those involved in the design, manufacture and supply of inflatable play equipment. Also specifies the information to be supplied with the equipment, and the requirements that will protect children from hazards that they might be unable to foresee when using the equipment as intended, or in a manner that can be reasonably anticipated.

SANS 55167-1:2011 / EN 15167-1:2006

Ground granulated blast furnace slag for use in concrete, mortar and grout Part 1: Definitions, specifications and conformity criteria Gr 9

Ed 1.00 A4 21p EN PDF 21p EN

Specifies requirements for the chemical and physical properties as well as quality control procedures for ground granulated blast furnace slag for use as a type II addition in the production of concrete, including in particular cast-in-situ or prefabricated structural concrete conforming to EN 206-

SANS 55167-2:2011 / EN 15167-2:2006

Ground granulated blast furnace slag for use in concrete, mortar and grout Part 2: Conformity evaluation

Ed 1.00 A4 25p EN PDF 25p EN

Specifies the scheme for the evaluation of conformity of ground granulated blast furnace slag according to EN 15167-1 (published in South Africa as an identical adoption under the designation SANS 55167-1).

SANS 55504:2009 / CEN/TS 15504:2007

Public transport - Road vehicles - Visible variable passenger information devices inside the vehicle

Ed 1.00 A4 13p EN PDF 13p EN

Outlines the requirements for electronic Interior Variable Message Signs (IVMS) for the presentation of dynamic passenger information in public transport vehicles. Applies to different IVMS systems mounted in public transport vehicles and specifies the installation location, dimensions, characteristics of the sign system, information contents and cabling

SANS 55509:2009 / EN 15509:2007

Road transport and traffic telematics - Electronic fee collection - Interoperability application profile for DSRC

Ed 1.00 A4 67p EN Gr 14 PDF 67p EN 35,240,60

Provides a set of requirements for EFC-applications that may serve as a common technical platform for EFC-interoperability. Defines the basic level of technical interoperability for EFC equipment. Limited to the payment method of central account based on EFC-DSRC (Dedicated Shortrange Communication) transactions, physical systems in OBU (On-board Units) and RSE (Road-side Equipment) equipment and the DSRC interface between them (all functions and information flows related to these parts), DSRC-link requirements, EFC transactions over the DSRC interface, data elements to be used by OBU and RSE used in EFC-DSRC transactions and security mechanisms for OBU and RSE used in EFC-DSRC transactions.

SANS 55531-1:2008 / CEN/TS 15531-1:2007

Fc

Public transport - Service interface for real-time information relating to public transport operations Part 1: Context and framework

1.00	A4 88p EN	Gr 15
	PDF 88p EN	35.240.60

Specifies a Service Interface for Real-time Information (SIRI) about public transport. Intended to be used to exchange information between servers containing real-time public transport vehicle or journey time data. These include the control centres of transport operators and information systems that utilize real-time vehicle information.

Gr 7

01.080.10; 03.220.20

97.200.50

Gr 8

Gr 11

35,240,60

11.080.20: 71.100.35

01.040.91; 91.100.15

Gr 10 91.100.15

SANS 55531-2:2008 / CEN/TS 15531-2:2007

Public transport	 Service interface feature 	or real-time informatio	n relating to public	transport operations	Part 2: Communications
infrastructure					

Ed	1.00	A4 86p EN	
		PDF 86p EN	

Gr 15 35.240.60

> Gr 16 35.240.60

Specifies a Service Interface for Real-time Information (SIRI) about public transport with the use of a consistent set of general communication protocols to exchange information between client and server. The same pattern of message exchange may be used to implement different specific functional interfaces as sets of concrete message content types. Two specific patterns of client server interaction are used for data exchange in SIRI, namely, request/response and publish/subscribe. For the delivery of data in responses, SIRI supports two common patterns of message exchange: direct delivery and fetched delivery. Each delivery method may either be preconfigured and static for a given implementation or each request may indicate the delivery method required.

SANS 55531-3:2008 / CEN/TS 15531-3:2007

Public transport - Service interface for real-time information relating to public transport operations Part 3: Functional service interfaces

Ed 1.00	0 A4 125p EN	
	PDF 125p EN	

Approaches SIRI as an open-ended set of standard data structures, carried over a communications channel constructed using one of a small number of specific options. Specifies a number of functional modules, based on the 'use cases' identified in Annex B to Part 1. Messages are assigned validity periods to be sent or be revoked. Enables the provision of information on the planned progress of vehicle operating service on a planned route, the actual progress, expected arrival and departure times, journeys to be cancelled, added or changed.

SANS 60034-1:2010 / IEC 60034-1:2010

Rotating electrical machines Part 1: Rating and performance

Ed 4.00	A4 70p EN	Gr 14
	PDF 70p EN	29.160.0

Applicable to all rotating electrical machines except those covered by other IEC standards.

SANS 60034-2-1:2008 / IEC 60034-2-1:2007

Rotating electrical machines Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles)

1.00	A4 76p EN	Gr 14
	PDF 76p EN	29.160.01

Establishes methods of determining efficiencies from tests, and also specifies methods of obtaining losses.

SANS 60034-2-2:2010 / IEC 60034-2-2:2010

Rotating electrical machines Part 2-2: Specific methods for determining separate losses of large machines from tests - Supplement to IEC 60034-2-1

Ed 1.00	A4 26p EN	Gr 10
	PDF 26p EN	29.160.01

Applies to large rotating electrical machines and establishes additional methods of determining separate losses and to define an efficiency supplementing IEC 60034-2-1 (published in South Africa as an identical adoption under the designation SANS 60034-2-1). These methods apply when full-load testing is not practical and result in a greater uncertainty.

SANS 60034-2A:1974 / IEC 60034-2A:1974 (2011-10-14)

(SABS IEC 60034-2A)

Ed

Rotating electrical machines Part 2A: Methods for det (excluding machines for traction vehicles) First suppl	ermining losses and efficiency of rotating electrical machinery from tests ement: Measurement of losses by the calorimetric method
Ed 1.00 A4 23p EN PDF 23p EN	Gr 10 29.160.01
Describes methods of loss determination which have been machines.	n devised mainly for large generators, but the principles used can also be applied to other

Am 1(National), 2006-12-15

SANS 60034-3:2008 / IEC 60034-3:2007

(SABS IEC 60034-3)

Fd

Rotating electrical machines Part 3: Specific requirements for synchronous generators driven by steam turbines or combustion gas turbines

3.00	A4 28p EN	Gr 10)
	PDF 28p EN	29.160	0.20

Applies to three-phase synchronous generators, having rated outputs of 10 MVA and above driven by steam turbines and combustion gas turbines. It supplements the basic requirements for rotating machines given in SANS 60034-1.

SANS 60034-4:2009 / IEC 60034-4:2008 (SABS IEC 60034-4) Rotating electrical machines Part 4: Methods for determining synchronous machine quantities from tests Ed 2.00 A4 76p EN Gr 14 PDF 76p EN 29.160.01 Applies to three-phase synchronous machines of 1 kVA rating and larger, with rated frequency of not more than 500 Hz and not less than 10 Hz. Does not apply to axial-field machines and special synchronous machines such as inductor type machines and transversal flux machines. SANS 60034-5:2007 / IEC 60034-5:2006 (2012-07-06) (SABS IEC 60034-5) Rotating electrical machines Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) -Classification Ed 2.01 A4 22p EN Gr 9 PDF 22p EN 29.160.01 Applies to the classification of degrees of protection provided by enclosures for rotating electrical machines. Defines the requirements for protective enclosures that are in all other respects suitable for their intended use and which, from the point of view of materials and workmanship, ensure that the properties dealt with in this standard are maintained under normal conditions of use. Cor 1(International), 2001-11-30 Am 1(International), 2007-06-08 SANS 60034-6:1991 / IEC 60034-6:1991 (2012-02-10) (SABS IEC 60034-6) Rotating electrical machines Part 6: Methods of cooling (IC Code) Ed 1.00 A4 22p EN Gr 9 PDF 22p EN 29.160.01 Identifies the circuit arrangements and the methods of movement of the coolant in rotating electrical machines, classifies the methods of cooling and gives a designation system for them. The designation of the method of cooling consists of the letters 'IC', followed by numerals and letters representing the circuit arrangement, the coolant and the method of movement of the coolant. Complete designations as well as simplified designations are illustrated in tables for some of the most frequently used types of rotating machines, together with sketches of particular examples. Am 1(National), 2007-01-26 SANS 60034-7:2001 / IEC 60034-7:2001 (2012-02-10) (SABS IEC 60034-7) Rotating electrical machines Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM Code) Ed 1.01 A4 26p EN Gr 10 PDF 26p EN 29.160.01 Specifies the IM Code, a classification of types of construction, mounting arrangements and the terminal box position of rotating electrical machines. Am 1(International), 2001-10-05 Am 1(National), 2007-02-02 SANS 60034-8:2007 / IEC 60034-8:2007 (2012-11-23) (SABS IEC 60034-8) Rotating electrical machines Part 8: Terminal markings and direction of rotation Ed 3.00 A4 34p EN Gr 11 PDF 34p FN 29.160.01 Applies to a.c. and d.c. machines and specifies rules for the identification of winding connection points, marking of winding terminals, direction of rotation, relationship between terminal markings and direction of rotation, terminal marking of auxiliary devices, and connection diagrams of machines for common applications. SANS 60034-9:2007 / IEC 60034-9:2007 (2012-11-23) (SABS IEC 60034-9) **Rotating electrical machines Part 9: Noise limits** Gr 8 Ed 3.01 A4 17p EN PDF 17p EN 17 140 20 Specifies test methods for the determination of sound power level of rotating electrical machines. Am 1(International), 2007-11-30 SANS 60034-11:2005 / IEC 60034-11:2004 (2010-06-25) (SABS IEC 60034-11) Rotating electrical machines Part 11: Thermal protection Ed 2.00 A4 14p EN Gr 7 PDF 14p EN 29 160 01 Specifies rules for rotating electrical machines with rated voltages less than or equal to 660 V, which are in accordance with SANS 60034-1, and which are fitted with built-in thermal protection.

NUMERICAL LIST OF STANDARDS

SANS 60034-12:2008 / IEC 60034-12:2007 (SABS IEC 60034-12)	
Rotating electrical machines Part 12: Starting performance of single-speed th	nree-phase cage induction motors
Ed 2.01 A4 13p EN	Gr 7
PDF 13p EN	29.160.30
Specifies the parameters for four designs of starting performance of single-speed t with IEC 60034-1 that have a rated voltage up to 1 000 V, are intended for direct-o S1 and are costructed to any degree of protection. Am 1(National), 2008-03-07	three-phase 50 Hz or 60 Hz cage induction motors in accordance n-line or star-delta starting, are rated on the basis of duty type
SANS 60034-14:2007 / IEC 60034-14:2007 (2012-08-24) (SABS IEC 60034-14)	
Rotating electrical machines Part 14: Mechanical vibration of certain machine evaluation and limits of vibration severity	es with shaft heights 56 mm and higher - Measurement,
Ed 3.01 A4 16p EN PDF 16p EN	Gr 8 17.160; 29.160.01
Specifies the factory acceptance vibration test procedures and vibration limits for c uncoupled from any load or prime mover. Am 1(International), 2007-08-03	certain electrical machines under specified conditions, when
SANS 60034-15:2009 / IEC 60034-15:2009 (SABS IEC 60034-15)	
Rotating electrical machines Part 15: Impulse voltage withstand levels of form	m-wound stator coils for rotating a.c. machines
Ed 3.00 A4 13p EN	Gr 7
PDF 13p EN	29.160.01
Relates to a.c. machines incorporating form-wound stator coils. Specifies the test pinsulation of sample coils.	procedures and voltages to be applied to the main and interturn
SANS 60034-16-1:2012 / IEC 60034-16-1:2011 (SABS IEC 60034-16-1)	
Rotating electrical machines Part 16-1: Excitation systems for synchronous r	nachines - Definitions
Ed 2.00 A4 12p EN PDF 12p EN	Gr /
Defines terms applicable to the excitation systems of synchronous rotating electric	cal machines.
SANS 60034-16-2:1991 / IEC 60034-16-2:1991 (2012-02-10) (SABS IEC 60034-16-2)	
Rotating electrical machines Part 16: Excitation systems for synchronous ma	achines Chapter 2: Models for power system studies
Ed 1.00 A4 35p EN	Gr 11
PDF 35p EN	29.160.01
Recommends modelling guidelines and appropriate models for excitation systems nomenclature defining the parameters and variables used. Am 1(National), 2007-02-09	for use in power system stability studies and includes a
SANS 60034-16-3:1996 / IEC 60034-16-3:1996 (2012-02-10) (SABS IEC 60034-16-3)	
Rotating electrical machines Part 16: Excitation systems for synchronous ma	achines Section 3: Dynamic performance
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	29.160.10
Reviews the methods available for investigating the response characteristics of the Description of typical response, performance characteristics and indices as well as Am 1(National), 2007-01-26	e synchronous machine with its closed-loop excitation control. s performance criteria are given.
SANS 60034-17:2006 / IEC TS 60034-17:2006 (2011-10-14) (SABS IEC 60034-17)	
Rotating electrical machines Part 17: Cage induction motors when fed from o	converters - Application guide
Ed 4.00 A4 22p EN PDF 22p EN	Gr 9 29.160.30

Deals with the steady-state operation of cage induction motors within the scope of IEC 60034-12 (published in South Africa as an identical adoption under the designation SANS 60034-12), when fed from converters. Covers the operation over the whole speed setting range, but does not deal with starting or transient phenomena. Only indirect type converters are dealt with.

machines fed from voltage converters	
Ed 1.00 A4 36p EN	Gr 11
PDF 36p EN	29.160
Defines criteria for assessing the insulation system of s stator/rotor windings of single or polyphase AC machine	stator/rotor windings which are subjected to pulse width modulation (PWM) drives. Applies to es with insulation systems for converter operation.
SANS 60034-18-42:2009 / IEC/TS 60034-18-42:2008	
Rotating electrical machines Part 18-42: Qualificati systems (Type II) used in rotating electrical machin	on and acceptance tests for partial discharge resistant electrical insulation es fed from voltage converters
Ed 1.00 A4 32p EN PDF 32p EN	Gr 11
	29.080.30; 29.160; 29.160.01
Defines criteria for assessing the insulation system of a impulse voltages, such as pulse width modulation (PW electrical qualification and acceptance tests on represe apply to rotating machines which are fed by converters	stator/rotor windings of single or polyphase AC machines which are subjected to repetitive M) converters, and expected to withstand partial discharge activity during service. Specifies entative samples which verify fitness for operation with voltage-source converters. Does not only for starting, or to electrical equipment and systems for traction.
SANS 60034-19:1995 / IEC 60034-19:1995 (2011-10- (SABS IEC 60034-19)	14)
Rotating electrical machines Part 19: Specific test	methods for d.c. machines on conventional and rectifier-fed supplies
Ed 1.00 A4 20p EN PDF 20p EN	Gr 9
	29.160.01
Applies to d.c. machines of 1 kW rated output power a	nd above on conventional and rectifier-fed supplies except those covered by other IEC

Describes procedures for evaluation of insulation systems by endurance testing where thermal and electrical stresses are applied simultaneously. The procedures are intended for insulation systems used, or proposed to be used, in a.c. electrical machines using form-wound windings. SANS 60034-18-41:2009 / IEC/TS 60034-18-41:2006

Rotating electrical machines Part 18-41: Qualification and type tests for Type I electrical insulation systems used in rotating electrical machines

SANS 60034-18-32:2011 / IEC 60034-18-32:2010

SANS 60034-18-33:2011 / IEC/TS
(SABS IEC 60034-18-33)
Rotating electrical machines Part

Rotating electrical machines Part 18-33: Functional evaluation of insulation systems - Test procedures for form-wound windings -

CANS 60034-18-33:2011 / IEC/TS 60034-18-33:2010

electrical machines using form-wound windings.

PDF 18p EN

Multifactor evaluation by endurance under simultaneous thermal and electric	al stress
Ed 2.00 A4 16p EN	Gr 8

Mu	tifact	or evaluation	Ķ
Ed	2.00	A4 16p EN	

Εd	2.00	A4 160 EN
		PDF 16p EN

Am 1(National), 2006-12-01

Rotating electrical machines Part 18-32: Functional evaluation of systems - Test procedures for form-wound windings - Evaluation by

Gr 8

29.080.01; 29.160.01

29.080.01; 29.160.01

Describes test procedures for the evaluation of electrical endurance of insulation systems and their use or proposed use in a.c. or d.c. rotating

ses

29.080.01; 29.160.01

Gr 8

(SABS IEC 60034-18-1)

SANS 60034-18-1:2010 / IEC 60034-18-1:2010

Ed 2.00 A4 17p EN

PDF 17p EN

Rotating electrical machines Part 18-1: Functional evaluation of insulation systems - General guidelines

Gr 8

Deals with the general guidelines for functional evaluation of electrical insulation systems, used or proposed to be used in rotating eletrical machines within the scope of IEC 60034-1 (published in South Africa as an identical adoption under the designation SANS 60034-1), in order to qualify them.

SANS 60034-18-22:2000 / IEC 60034-18-22:2000 (2011-10-14)

proposed for use in a proven insulation system used in wire-wound windings.

(SABS IEC 60034-18-22)

Rotating electrical machines Part 18-22: Functional evaluation of insulation systems - Test procedures for wire-wound windings -Classification of changes and insulation component substitutions

Gives test procedures for the thermal evaluation and classification of changes and insulation component substitution in insulation systems used or

Ed 2.00 A4 15p EN

Am 1(National), 2006-12-01

(SABS IEC 60034-18-32)

electrical endurance Ed 2.00 A4 18p EN

PDF 15p EN

29.080.01; 29.160.01

NUMERICAL LIST OF STANDARDS

standards. Establishes methods for determining characteristic quantities for conventional and rectifier-fed d.c. machines.
stator winding insulation of rotating electrical machi	nes.
SANS 60034-28:2007 / IEC 60034-28:2007 (2012- Rotating electrical machines Part 28: Test meth voltage cage induction motors	08-24) ods for determining quantities of equivalent circuit diagrams for three-phase low-
Ed 1.00 A4 29p EN	Gr 10
PDF 29p EN	29.160.30
Applies to three-phase low-voltage cage induction r identical adoption under the designation SANS 600 diagrams from tests and defines standard elements	notors of frame numbers 56 to 400 as specified in IEC 60072-1 (published in South Africa as 72-1). Establishes procedures to obtain values for elements of single-phase equivalent circuit s of these diagrams.
diagrams from tests and defines standard elements	s of these diagrams.

Establishes the principal characteristics of a.c. generators under the control of their voltage regulators when used for reciprocating internal combustion (RIC) engine driven generating set applications.

Rotating electrical machines Part 22: AC generators for reciprocating internal combustion (RIC) engine driven generating sets

SANS 60034-23:2003 / IEC TS 60034-23:2003 (2009-03-13)

Rotating electrical machines Part 23: Specification for the refurbishing of rotating electrical machines

Ed 1.00	A4 23p EN	Gr 10
	PDF 23p EN	29.160.01

Covers the activities necessary to ensure the satisfactory rewinding and refurbishing of all types and sizes of rotating electrical machines covered by IEC 60034.

SANS 60034-24:2010 / IEC/TS 60034-24:2009

SANS 60034-22:2010 / IEC 60034-22:2009

(SABS IEC 60034-22)

Ed 2.00 A4 21p EN

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PDF 21p EN

Rotating electrical machines Part 24: Online detection and diagnosis of potential failures at the active parts of rotating electrical machines and of bearing currents - Application guide

d 1.00	A4 23p EN	Gr 10)
	PDF 23p EN	29.160).01

Applicable to the on-line detection and diagnosis of failures at the active parts of multi-phase rotating electrical machines (induction and synchronous machines) and of bearing currents. Excludes the detection of the following effects: vibration, partial discharge, single earth-faults of motors without earth connection of the star-point and core imperfection. Also excludes special methods applicable for specific applications only (e.g. turbo generators).

SANS 60034-25:2007 / IEC TS 60034-25:2007 (2012-11-23)

Rotating electrical machines Part 25: Guidance for the design and performance of a.c. motors specifically designed for converter supply

Ed 2.00	A4 72p EN		
	PDF 72p EN		

Describes the design features and performance characteristics of a.c. motors specifically designed for use on converter supplies. Specifies interface parameters and interactions between motor and converter including installation guidance as part of a power drive system.

SANS 60034-26:2006 / IEC 60034-26:2006 (2011-10-14)

Rotating	electrical machines Part 26: Effects of unbalanced voltages on the	performance of three-phase cage induction motors
Ed 2.00	A4 12p EN	Gr 7
	PDF 12p EN	29.160.01

Describes the effects of unbalanced voltages on the performance of three-phase cage induction motors.

SATS 60034-27-2:2012 / IEC TS 60034-27-2:2012

Rotating electrical machines Part 27-2: On-line partial discharge measurements on the stator winding insulation of rotating electrical machines

Ed 1.00 A4 56p EN PDF 56p EN

Provides a common basis for measuring techniques and instruments, the arrangement of the installation, normalization and sensitivity assessment, measuring procedures, noise reduction, the documentation of results and the interpretation of results with respect to partial discharge on-line measurements on the stator winding insulation of non-converter driven rotating electrical machines with rated voltage of 3 kV and up.

SANS 60034-27:2007 / IEC TS 60034-27:2006 (2012-08-24)

Rotating electrical machines Part 27: Off-line partial discharge measurements on the stator winding insulation of rotating electrical machines

Ed 1.00 A4 57p EN PDF 57p EN

Provides a common basis for measuring techniques and instruments, the arrangement of test circuits, normalization and testing procedures, noise reduction, the documentation of test results, and the interpretation of test results with respect to partial discharge off-line measurements on the stator winding insulation

SANS 60034-28:200

Rotating electrical ns for three-phase lowvoltage cage induc

Gr 9

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29.160.30

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29.	160.01

Gr 14

29.160.01

(published in South Africa as an

Standards South Africa Catalogue 2013

PDF 29p EN	29.160.01
Applies to machines covered by IEC 60034-1 (published in South Africannot be loaded to a specific condition (rated or otherwise). Is applied	ca as an identical adoption under the designation SANS 60034-1) when they cable to both motors and generators.
SANS 60034-30:2009 / IEC 60034-30:2008	
Rotating electrical machines Part 30: Efficiency classes of single	-speed, three-phase, cage-induction motors (IE-code)
Ed 1.00 A4 18p EN	Gr 8
	29.160.30
Specifies efficiency classes for single-speed, three-phase, 50 Hz and with mechanical dimensions different from IEC 60072-1. Does not cov 25 and motors completely integrated into a machine that cannot be te	60 Hz, cage-induction motors. Covers motors with flanges, feet and/or shafts ver motors made solely for convertor operation in accordance with IEC 60034- sted separately from the machine.
SANS 60034-31:2010 / IEC/TS 60034-31:2010	
Rotating electrical machines Part 31: Selection of energy-efficien	t motors including variable speed applications - Application guide
Ed 1.00 A4 42p EN PDE 42p EN	Gr 14
	29.160.30
Provides a guideline of technical aspects for the application of energy	-efficient, three-phase, electric motors.
SANS 60044-1:2003 / IEC 60044-1:2003 (2008-11-28) (SABS IEC 60044-1)	
Instrument transformers Part 1: Current transformers	
Ed 1.02 A4 56p EN	Gr 13
PDF 56p EN	17.220.20
Applies to newly manufactured current transformers for use with elect from 15 Hz to 100 Hz. They are also applicable, where appropriate, to Am 1(International), 2001-01-26 Am 2(International), 2003-1	rical measuring instruments and electrical protective devices at frequencies autotransformers. 1-21
SANS 60044-2-2003 / IEC 60044-2-2003 (2008-11-28)	
(SABS IEC 60044-2)	
Instrument transformers Part 2: Inductive voltage transformers	
Ed 1.02 A4 19p EN	Gr 9
PDF 19p EN	29.180
Applies to new inductive voltage transformers for use with electrical m Hz to 100 Hz.Although it relates basically to transformers with separa Does not apply to transformersfor use in laboratories.NOTE Requirem standard but, so far as they are relevant, the requirements in clauses included in those clauses (e.g. see 2.1.4, 5.1.1, 5.2, and 11.2). Clause 12, that are necessary for single-phase inductive protective voltage tra- which are required to have sufficient accuracy to operate protective sy Am 1(International), 2001-11-01 Am 2(International), 2003-0	neasuring instruments and electrical protective devices at frequencies from 15 the windings, it is also applicable, where appropriate, to auto-transformers. Inents specific to three-phase voltage transformers are not included in this 3 to 11 apply to these transformers and a few references to them are e 13 covers the requirements and tests, in addition to those in clauses 3 to ansformers. The requirements of clause 13 apply particularly to transformers ystems at voltages that occur under fault conditions. 09-12
SANS 60044-3-2004 / IEC 60044-3-2002 (2008-11-28)	
Instrument transformers Part 3: Combined transformers	
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	17.220.20
This part of SANS 60044 applies to newly manufactured combined tra protective devices at frequencies from 15 Hz to 100 Hz.	ansformers for use with electrical measuring instruments and electrical
SANS 60044-5:2005 / IEC 60044-5:2004 (2010-12-09) Instrument transformers Part 5: Capacitor voltage transformers	
Ed 1.00 A4 73p EN PDF 73p EN	Gr 14 17.220.20
Applies to new single-phase capacitor voltage transformers connected frequencies from 15 Hz to 100 Hz. They are intended to supply a low	d between line and ground for system voltages Um = 72,5 kV at power voltage for measurement, control and protective functions.
SANS 60044-6:2004 / IEC 60044-6:1992 (2010-05-28) Instrument transformers Part 6: Requirements for protective curr	ent transformers for transient performance
Ed 1.00 A4 45p EN	Gr 12
PDF 45p EN	17.220.20; 29.180
Covers the requirements and tests, in addition to those in Chapter 1 of	of IEC 60185, that are necessary for inductive current transformers for use

Covers the requirements and tests, in addition to those in Chapter 1 of IEC 60185, that are necessary for inductive current transformers for use with electrical protective schemes in which the prime requirement for the current transformers is the maintenance of a defined performance up to several times the rated current when the current contains an exponentially decaying d.c. component of defined time constant.

NUMERICAL LIST OF STANDARDS

Gr 10

Rotating electrical machines Part 29: Equivalent loading and superposition techniques - Indirect testing to determine temperature

SANS 60034-29:2008 / IEC 60034-29:2008

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Ed 1.00 A4 29p EN

Am 1(International), 2003-05-16 Am 4(International), 2007-10-12	Am 2(International), 2003-05-16 Am 1(National), 2012-06-29	Am 3(International), 2006-06-30 Am 5(International), 2012-06-29
Applies to tungsten filament incandesce (published in South Africa as an identica	nt lamps for general lighting service white al adoption under the designation SANS	ch comply with the safety requirements given in IEC 60432-1 60432-1).
IEC 60064:2007, MOD		
Ed 1.04 A4 104p EN PDF 104p EN	c and similar general lighting purpose	es - Performance requirements Gr 16 29.140.20
Identifies the requirements for on-site ter Applicable to direct voltage; alternating v aperiodic or oscillating shape.	st voltages and in-service testing of high voltage; lightning impulse voltage of ape	-voltage equipment with a highest voltage Um greater than 1 kV. riodic or oscillating shape and switching impulse voltage of
SANS 60060-3:2006 / IEC 60060-3:2000 High-voltage test techniques Part 3: E Ed 1.00 A4 34p EN PDF 34p EN	6 (2011-12-01) Definitions and requirements for on-si	te testing Gr 11 19.080
Is applicable to complete measuring sys tests with direct voltage, alternating volta an identical adoption under the designat	tems, and to their components, used for age and lightning and switching impulse ion SANS 60060-1).	the measurement of high voltages during laboratory and factory voltages as specified in IEC 60060-1 (published in South Africa as
SANS 60060-2:2011 / IEC 60060-2:2014 (SABS IEC 60060-2) High-voltage test techniques Part 2: M Ed 2.00 A4 74p EN PDF 74p EN	0 <i>M</i> easuring systems	Gr 14 19.080
Applies to dielectric tests with direct volt combinations of these. Applicable to test	age, dielectric tests with alternating volta ts on equipment having its highest volta	age, dielectric tests with impulse voltage, and dielectric tests with ge for equipment Um above 1 kV.
SANS 60060-1:2011 / IEC 60060-1:2010 (SABS IEC 60060-1) High-voltage test techniques Part 1: C Ed 2.00 A4 73p EN PDF 73p EN	0 General definitions and test requireme	ents Gr 14 19.080
Contains terms and definitions applicabl Definitions are given in English, French a Am 1(International), 2001-01-26	e to switchgear, controlgear and fuses, a and Russian, while the terms are given i Am 1(National), 2007-07-06	as defined in the International Electrotechnical Vocabulary (IEV). n several European languages.
(SABS IEC 60050-441) International electrotechnical vocabul Ed 1.00 A4 69p EN PDF 69p EN	lary Chapter 441: Switchgear, control	gear and fuses Gr 14 01.040.29; 29.120.50; 29.130.01
electrical measuring instruments and ele SANS 60050-441:1984 / IEC 60050(441	ectrical protective devices at nominal free	quencies from 15 Hz to 100 Hz
Ed 1.00 A4 124p EN PDF 124p EN This port of JEC 60044 applies to provide		Gr 16 17.220.20
Am 1(National), 2007-09-14 SANS 60044-8:2004 / IEC 60044-8:2002	2 (2008-11-28) ronic current transformers	
Applies to newly manufactured electronic protective devices at frequencies from 1	c voltage transformers with analogue ou 5 Hz to 100 Hz.	tput, for use with electrical measuring instruments and electrical
SANS 60044-7:1999 / IEC 60044-7:1999 (SABS IEC 60044-7) Instrument transformers Part 7: Elect Ed 1.00 A4 70p EN PDF 70p EN	9 (2013-02-08) ronic voltage transformers	Gr 14 17 220 20: 29 180

SANS 60065:2008 / IEC 60065:2005 (SABS IEC 60065)

Audio, video and similar electronic apparatus - Safety requirements

Ed 3.01 A4 171p EN PDF 171p EN Gr 18 33.160.01

29.160.01

29.160.01

Gr 14

29.180

Applies to electronic apparatus designed to be fed from the mains, from a supply apparatus, from batteries or from remote power feeding and intended for reception, generation, recording or reproduction respectively of audio, video and associated signals. Also applies to apparatus designed to be used exclusively in combination with the above-mentioned apparatus.

Cor 1(International), 2003-10-03 Am 1(International), 2008-09-05

SANS 60072-1:1991 / IEC 60072-1:1991 (2010-06-25)

(SABS IEC 60072-1)

Dimensions and output series for rotating electrical machines Part 1: Frame numbers 56 to 400 and flange numbers 55 to 1080 Ed 1.00 A4 65p EN Gr 14

PDF 65p EN

Covers the majority of rotating electrical machines for industrial purposes within the dimension range: foot-mounted - shaft-heights 56 mm to 400 mm and flange-mounted - pitch circle diameter of flange 55 mm to 1 080 mm. Gives tables of fixing dimensions, shaft extensions and output powers. Maximum permissible torques for continuous duty on a.c. motors are listed for various shaft diameters.

SANS 60072-2:1990 / IEC 60072-2:1990 (2010-06-25)

(SABS IEC 60072-2)

Dimensions and output series for rotating electrical machines Part 2: Frame numbers 355 to 1000 and flange numbers 1180 to 2360 Ed 1.00 A4 16p EN Gr 8

Eu	1.00	А4 ТОР ЕЛ
		PDF 16p EN

Relates to all kinds of rotating electrical machines with a horizontal shaft, and with any one of three specific types of foot mounting, i.e. machines with feet down, machines with feet up, and machines for which the bed-plate is an integral part and with mounting flange for which the shaft height in the feet down version is between 355 mm to 1 000 mm and pitch circle diameter of fixing holes between 1 180 mm and 2 360 mm.

SANS 60072-3:1994 / IEC 60072-3:1994 (2012-07-06)

(SABS IEC 60072-3)

Dimensions and output series for rotating electrical machines	Part 3: Small built-in motors - Flange nu	mbers BF10 to BF50

Ed 1.00	A4 5p EN	Gr 5
	PDF 5p EN	29.160.01
Applies to	o small built-in motors such as those usually intended for use in control de	vices

Applies to small built-in motors such as those usually intended for use in control devices. Am 1(National), 2007-06-22

SANS 60076-1:2011 / IEC 60076-1:2011

(SABS IEC 60076-1)

Power transformers Part 1: General

Ed 2.00 A4 71p EN PDF 71p EN

Applies to three-phase and single-phase power transformers (including auto-transformers) with the exception of certain categories of small and special transformers such as single-phase transformers with rated power less than 1 kVA and three-phase transformers less than 5 kVA; transformers that have no windings with rated voltage higher than 1 000 V; instrument transformers; traction transformers mounted on rolling stock; starting transformers; testing transformers; welding transformers; explosion-proof and mining transformers and transformers for deep water (submerged) applications.

SANS 60076-2:2011 / IEC 60076-2:2011

(SABS IEC 60076-2)

Power transformers Part 2: Temperature rise for liquid-immersed transformers

Ed 2.00	A4 48p EN	Gr	12
	PDF 48p EN	29.	180

Applies to liquid-immersed transformers, identifies power transformers according to their cooling methods, defines temperature rise limits and gives the methods for temperature rise tests.

SANS 60076-3:2000 / IEC 60076-3:2000 (2012-12-07)

(SABS IEC 60076-3)

Ed 2.00	A4 55p EN	Gr 1	3
	PDF 55p EN	29.18	30

Applies to single-phase and three-phase oil-immersed power transformers (including auto-transformers), with the exception of certain small and special transformers, as defined in the scope of IEC 60076-1 (published in South Africa as an identical adoption under the designation SANS 60076-1). Identifies transformer windings to their highest voltage for equipment Um associated with their corresponding rated insulation levels and details the relevant applicable dielectric tests and minimum external clearances in air between live parts of bushings and to objects at earth potential.

Cor 1(International), 2001-10-18 Am 1(National), 2007-10-05

Standards South Africa Catalogue 2013 NUM - 710

SANS 60076-4:2004 / IEC 60076-4:2002 (2008-11-28)

Power transformers Part 4: Guide to the lightning impulse and switching impulse testing - Power transformers and reactors

Ed 1.00 A4 62p EN PDF 62p EN Gr 14 29.180

This part of IEC 60076 gives guidance and explanatory comments on the existing procedures for lightning and switching impulse testing of power transformers to supplement the requirements of IEC 60076-3. Also generally applicable to the testing of reactors (see IEC 60289), modifications to power transformer procedures being indicated where required. Information is given on waveshapes, test circuits including test connections, earthing practices, failure detection methods, test procedures, measuring techniques and interpretation of results.

SANS 60076-5:2	006 / IEC 60076-5:2006 (2011-12-01)	
(SABS IEC 6007	6-5)	
Power transforn	ners Part 5: Ability to withstand short circuit	
Ed 3.00 A4 37p	EN	Gr 11
PDF 37	7p EN	29.180
Identifies the rea	uirements for power transformers with regard to '	their ability to withstand o

Identifies the requirements for power transformers with regard to their ability to withstand overcurrents due to external short circuits, demonstration of thermal ability to withstand short circuits and theoretical evaluation of the ability to withstand dynamic effects of short circuits.

Power tr	ansformers Part 6: Reactors		
Ed 1.00	A4 118p EN	Gr 16	
	PDF 118p EN	29.180	

Specifies requirements for the following types of reactors: shunt reactors; series reactors including current-limiting reactors, neutral-earthing reactors, power flow control reactors, motor starting reactors, arc-furnace series reactors; filter (tuning) reactors; capacitor damping reactors; capacitor discharge reactors; earthing transformers (neutral couplers); arc-suppression reactors; smoothing reactors for HVDC and industrial application; with the exception of the following reactors: reactors with a rating less than 1 kvar single-phase and 5 kvar three-phase; reactors for special purposes such as high-frequency line traps or reactors mounted on rolling stock.

SANS 60076-7:2006 / IEC 60076-7:2005 (2010-06-04)

Power transformers Part 7: Loading guide for oil-immersed power transformers

Ed 1.00	A4 58p EN	Gr 13
	PDF 58p EN	29.180

Describes the effect of operation under various ambient temperatures and load conditions on the life of oil-immersed transformers.

SANS 60076-8:1997 / IEC 60076-8:1997 (2012-12-07)

(SABS IEC 60076-8)	
Power transformers - Application guide	
Ed 1.00 A4 85p EN	Gr 15
PDF 85p EN	29.180

Applies to power transformers complying with the series of publications IEC 60076 (published in South Africa as identical adoptions under the designation SANS 60076). Is intended to provide information to users about certain fundamental service characteristics of different transformer connections and magnetic circuit designs, with particular reference to zero-sequence phenomena. **Am 1(National), 2007-09-14**

SANS 60076-10:2001 / IEC 60076-10:2001 (2012-12-07)

(SABS IEC 60076-10)

Power transformers Part 10: Determination of sound levels

Ed 1.00	A4 36p EN	Gr 11
	PDF 36p EN	17.140.20; 29.180

Defines sound pressure and sound intensity measurement methods by which sound power levels of transformers, reactors and their associated cooling auxiliaries may be determined. The methods are applicable to transformers and reactors covered by the IEC 60076 series, IEC 60289, IEC 60726-11 and the IEC 61378 series (IEC 60076-11, parts of IEC 60076 and parts of IEC 61378 have been published in South Africa as identical adoptions under the designations SANS 60076-11, SANS 60076 and SANS 61378), without limitation as regards size or voltage and when fitted with their normal cooling auxiliaries. Primarily intended to apply to measurements made at the factory.

Am 1(National), 2007-11-30

SANS 60076-10-1:2008 / IEC 60076-10-1:2005 (2011-03-04)

Power transformers Part 10-1: Determination of sound levels - Application guide

Ed 1.00 A4 49p EN PDF 49p EN

Provides supporting information to help both manufacturers and purchasers apply measurement techniques described in SANS 60076-10 and is applicable to transformers and reactors together with their associated cooling auxiliaries.

Gr 13

17.140.20; 29.180

SANS 60076-11:2005 / IEC 60076-11:2004 (2010-12-09)

Power tr	ansformers Part 11: Dry-type transformers
Ed 1.00	A4 39p EN

 1.00
 A4 39p EN
 Gr 11

 PDF 39p EN
 29.180

Applies to dry-type power transformers (including auto-transformers) having values of highest voltage for equipment up to and including 36 kV and at least one winding operating at greater than 1,1 kV.

Standards South Africa Catalogue 2013 NUM - 711

of the operating temperature, time and the loading of the transformer.	a consumption of lifetime of the transformer insulation as a function
SANS 60076-13:2006 / IEC 60076-13:2006 (2011-12-01)	
Power transformers Part 13: Self-protected liquid-filled transformers	
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	29.180
Applies to high-voltage/low-voltage self-protected liquid-filled and naturally con- outdoor use that have a primary winding (high-voltage) with highest voltage fo highest voltage for equipment of 1,1 kV.	pled transformers for rated power 50 kVA to 1 000 kVA for indoor or r equipment up to 24 kV, and a secondary winding (low-voltage) with
SANS 60076-14:2009 / IEC/TS 60076-14:2009	
Power transformers Part 14: Design and application of liquid-immersed materials	power transformers using high-temperature insulation
Ed 2.00 A4 45p EN	Gr 12
PDF 45p EN	29.180
Provides specification, design, testing and loading information for use by both employing either high-temperature insulation or combinations of high-tempera	the manufacturer and user of liquid-immersed power transformers ture and conventional insulation.
SANS 60076-15:2008 / IEC 60076-15:2008	
Power transformers Part 15: Gas-filled power transformers	
Ed 1.00 A4 25p EN	Gr 10
PDF 25p EN	29.180
Applies to gas-filled power transformers (including auto-transformers). Applies	to all construction technologies.
SANS 60076-16:2012 / IEC 60076-16:2011	
Ed 1 00 A4 20p EN	Cr 11
PDF 39p EN	20.190
Applies to dry-type and liquid-immersed transformers for rated power 100 kVA highest voltage for equipment up to and including 36 kV and at least one wind	up to 10 000 kVA for wind turbine applications having a winding with ing operating at a voltage greater than 1,1 kV.
SANS 60076-21:2013 / IEC 60076-21:2011	
Power transformers - Part 21: Standard requirements, terminology, and t	est code for step-voltage regulators
Ed 1.00 A4 105p EN	Gr 16
PDF 105p EN	01.040.29: 29.180: 29.200
Describes electrical and mechanical requirements of liquid immersed, single- of 3000 kVA (for three-phase units) or 1000 kVA (for single-phase units).	and three-phase, step-voltage regulators, not exceeding a regulation
SANS 60079-0:2012 / IEC 60079-0:2011 (SABS IEC 60079-0)	
Explosive atmospheres Part 0: Equipment - General requirements	
Ed 5.00 A4 100p EN	Gr 15
PDF 100p EN	29.260.20
Specifies the general requirements for construction, testing and marking of ele atmospheres.	ectrical equipment and Ex Components intended for use in explosive
SANS 60079-1:2009 / IEC 60079-1:2007 (SABS IEC 60079-1)	
Explosive atmospheres Part 1: Equipment protection by flameproof encl	osures "d"
Ed 4.00 A4 74p EN	Gr 14
PDF 74p EN	29.260.20
Contains specific requirements for the construction and testing of electrical ec intended for use in explosive gas atmospheres. Cor 1(International), 2009-11-06	uipment with the type of protection flameproof enclosure "d",

29.180

SANS 60076-12:2009 / IEC 60076-12:2008 **n**.

CANO 00070 12:2000 / 120 00070 12:2000	
Power transformers Part 12: Loading guide for dry-type power transformers	
Ed 1.00 A4 36p EN	Gr 12

Ed 1.00 A4 36p EN PDF 36p EN

Applicable to dry-type transformers according to the scope of IEC 60076-11 (published in South Africa as an identical adoption under the o o ti d

Contains the specific requirements for the construction and testing of electrical apparatus with pressurized enclosures, of type of protection "p",

PDF 59p EN

SANS 60079-2:2007 / IEC 60079-2:2007

intended for use in explosive gas atmospheres. It specifies requirements for pressurized enclosures containing a limited release of flammable substances. This standard supplements and modifies the general requirements of IEC 60079-0.

Explosive atmospheres Part 2: Equipment protection by pressurized enclosures <<p>>>

SANS 60079-5:2009 / IEC 60079-5:2007

(SABS IEC 60079-5)

(SABS IEC 60079-2)

Ed 3.00 A4 59p EN

Explosive atmospheres Part 5: Equipment protection by powder filling "q"

Ed 3.00 A4 23p EN PDF 23p EN

Contains specific requirements for the construction, testing and marking of electrical equipment, parts of electrical equipment and Ex components in the type of protection powder filling "q", intended for use in explosive gas atmospheres.

SANS 00079-0.2009 / IEC 00079-0.200	SANS	60079-6:2009	/ IEC 60079-6:2007
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(SABS IE	C 60079-6)	
Explosiv	e atmospheres Part 6: Equipment protection by oil-immersion "o"	
Ed 3.00	A4 17p EN PDF 17p EN	Gr 8 29.260.20

Specifies the requirements for the construction and testing of oil- immersed electrical equipment, oil-immersed parts of electrical equipment and Ex components in the type of protection oil immersion "o", intended for use in explosive gas atmospheres.

SANS 60	079-7:2007 / IEC 60079-7:2006 (2012-11-23)	
(SABS IE	EC 60079-7)	
Explosiv	e atmospheres Part 7: Equipment protection by increased safety "e"	
Ed 3.00	A4 81p EN	Gr 15
	PDF 81p EN	29.260.20

Specifies the requirements for the design, construction, testing and marking of electrical apparatus with type of protection increased safety "e" intended for use in explosive gas atmospheres. Applies to electrical apparatus where the rated voltage does not exceed 11kV r.m.s. a.c or d.c. Applies additional measures to ensure that the apparatus does not produce arcs, sparks, or excessive temperatures in normal operation or under specified abnormal conditions.

SANS 60079-10-1:2010 / IEC 60079-10-1:2008

Explosive atmospheres Part 10-1: Classification of areas - Explosive gas atmospheres

Ed 1.00 A4 66p EN PDF 66p EN

Classifies areas where flammable gas or vapour or mist hazards may arise and may then be used as a basis to support the proper selection and installation of equipment for use in a hazardous area. Does not apply to mines susceptible to firedamp; the processing and manufacture of explosives; areas where a hazard may arise due to the presence of combustible dusts or fibres; catastrophic failures which are beyond the concept of abnormality dealt with in this standard; rooms used for medical purposes; and domestic premises.

SANS 60079-10-2:2009 / JEC 60079-10-2:2009

Explosive autospheres i are to E. olassinoation of areas - combastione austratioopheres

Ed 1.00	A4 31p EN	Gr 11
	PDF 31p EN	29.260.20

Is concerned with the identification and classification of areas where explosive dust atmospheres and combustible dust layers are present, in order to permit the proper assessment of ignition sources in such areas. It does not apply to underground mining areas, areas where a risk can arise due to the presence of hybrid mixtures, dusts of explosives that do not require atmospheric oxygen for combustion, or to pyrophoric substances, catastrophic failures which are beyond the concept of abnormality dealt with in this standard any risk arising from an emission of flammable or toxic gas from the dust.

SANS 60079-11:2012 / IEC 60079-11:2011

(SABS IEC 60079-11)

Explosive atmospheres Part 11: Equipment protection by intrinsic safety "i"

Ed 4.00	A4 142p EN	Gr 17
	PDF 142p EN	29.260.20

Specifies the construction and testing of intrinsically safe apparatus intended for use in an explosive atmosphere and for associated apparatus, which is intended for connection to intrinsically safe circuits which enter such atmospheres.

Cor 1(International), 2012-06-08

NUMERICAL LIST OF STANDARDS

29 260 20

Gr 13 29.260.20

Gr 14

29.260.20

Gr 10

Gr 11

29.260.20

Gr 11 29.260.20

SANS 60079-13:2011 / IEC 60079-13:2010 (SABS IEC 60079-13)

Explosive atmospheres Part 13: Equipment protection by pressurized room "p"

Ed 2.00 A4 38p EN PDF 38p EN

Gives requirements for the design, construction, assessment andtesting and marking of rooms protected by pressurization in: a room located in an explosive gas atmosphere or explosive dust atmosphere; hazardous area that does not include an internal source of a flammable substance; a room located in an explosive gas atmosphere or explosive dust atmosphere hazardous area that includes an internal source of a flammable substance; a room located in a non-hazardous area that includes an internal source of a flammable substance.

SANS 60079-14:2009 / IEC 60079-14:2007

(SABS IEC 60079-14)

Explosive atmospheres Part 14: Electrical installations design, selection and erection

Ed 4.00	A4 95p EN	Gr 15
	PDF 95p EN	29.260.20

Contains the specific requirements for the design, selection and erection of electrical installations in hazardous areas associated with explosive atmospheres.

SANS 60079-15:2010 / IEC 60079-15:2010

(SABS IEC 60079-15)

Explosive atmospheres Part 15: Equipment protection by type of protection "n"

Ed 4.00	A4 72p EN	Gr	14
	PDF 72p EN	29.	.260.20

Specifies requirements for the construction, testing and marking for Group II electrical equipment with type of protection "n", intended for use in explosive gas atmospheres. Applies to electrical equipment where the rated voltage does not exceed 15 kV r.m.s. a.c. or d.c. Applicable to nonsparking electrical equipment and also to electrical equipment with parts or circuits producing arcs or sparks or having hot surfaces which, if not protected in one of the ways specified, could be capable of igniting a surrounding explosive gas atmosphere.

SANS 60079-16:1990 / IEC 60079-16:1990 (2006-10-06)

(SABS IEC 60079-16)

Electrical apparatus for explosive gas atmospheres Part 16: Artificial ventilation for the protection of analyzer(s) houses

		•	0		
Ed 1.00	A4 23p EN			Gr 10	
	PDF 23p EN			29.260.20)

Provides the general principles of protection, by artificial ventilation, of analyser(s) houses against the explosion hazards caused by internal release of flammable substances and, if applicable, against the hazards caused by an external explosive gas atmosphere. Gives the conditions in which electrical apparatus liable to cause ignition may be used in these analyser(s) houses. Analyser(s) houses may be situated in a hazardous area or in a non-hazardous area.

Am 1(National), 2006-10-06

SANS 60079-17:2009 / IEC 60079-17:2007

(SABS IEC 60079-17)

Explosive atmospheres Part 17: Electrical installations inspection and maintenance

Ed 4.00	A4 37p EN		
	PDF 37p EN		

Applies to users and covers factors directly related to the inspection and maintenance of electrical installations within hazardous areas only, where the hazard may be caused by flammable gases, vapours, mists, dusts, fibres or flyings.

SANS 60079-18:2009 / IEC 60079-18:2009

(SABS IEC 60079-18)

Explosive atmospheres Part 18: Equipment protection by encapsulation "m"

Ed 3.00	A4 32p EN PDF 32p EN	Gr 11 29.260.20

Gives the specific requirements for the construction, testing and marking of electrical apparatus, parts of electrical equipment and Ex components with the type of protection encapsulation "m" intended for use in explosive gas atmospheres or explosive dust atmospheres. Applies only to encapsulated electrical equipment, encapsulated parts of electrical equipment and encapsulated Ex components (referred to as "m" equipment) where the rated voltage does not exceed 11 kV.

SANS 60079-19:2011 / IEC 60079-19:2010

(CADC		60070 10)
(SADS	IEC	00079-19)

Explosive atmospheres - Part 19: Equipment repair, overhaul and reclamation	1	
Ed 3.00 A4 66p EN	Gr	1

20 3.00 A4 66p EN	GI 14
PDF 66p EN	29.260.20

Gives instructions, principally of a technical nature, on the repair, overhaul, reclamation and modification of equipment designed for use in explosive atmospheres; it is not applicable to maintenance, other than when repair and overhaul cannot be disassociated from maintenance, neither does it give advice on cable entry systems which may require renewal when the equipment is re-installed; it is not applicable to type of protection 'm', 'o' and 'q'; Assumes that good egineering practices are adopted throughout.

Gr 14

Provides guidance on classification of gases and vapours. Describes a test method intended for the measurement of the maximum experimental safe gaps (MESG) for gas- or vapour-air mixtures under normal conditions of temperature and pressure so as to permit the selection of an

29.260.20

Gr 14

29.260.20

Contains specific requirements for the construction and assessment of intrinsically safe electrical systems, type of protection "i", intended for use, as a whole or in part, in locations in which the use of Group I, II or III apparatus is required.

SANS 60079-26:2007 / IEC 60079-26:2006 (2011-07-15)

Explosive atmospheres Part 25: Intrinsically safe electrical systems

SANS 60079-20-1:2010 / IEC 60079-20-1:2010

SANS 60079-25:2010 / IEC 60079-25:2010

Ed 1.00 A4 78p EN

Ed 2.00 A4 75p EN

PDF 78p EN

PDF 75p EN

Explosive atmospheres Part 26: Equipment with equipment protection level (EPL) Ga			
Ed 2.00	A4 24p EN	Gr 10	
	PDF 24p EN	29.260.20	

Specifies the particular requirements for construction, test and marking for electrical equipment that provides equipment protection leve (EPL) Ga. This electrical equipment, within the operational parameters specified by the manufacturer, ensures a very high level of protection that includes rare faults related to the equipment or two faults occuring independently of each other. Cor 1(International), 2011-07-15

SANS 60079-27:2009 / IEC 60079-27:2008

Explosive atmospheres Part 27: Fieldbus intrinsically safe concept (FISCO)		
Ed 2.00	A4 15p EN	Gr 8
	PDF 15p EN	20.26

Contains the details of apparatus, systems and installation practice for use with the Fieldbus Intrinsically Safe Concept (FISCO).

SANS 60079-28:2009 / IEC 60079-28:2006

Explosive atmospheres Part 28: Protection of equipment and transmission systems using optical radiation

Ed 1.00	A4 37p EN	Gr 11
	PDF 37p EN	29.260.20

Explains the potential ignition hazard from equipment using optical radiation intended for use in explosive gas atmospheres. Also covers equipment, which itself is located outside but where the emitted optical radiation enters explosive atmospheres. Describes precautions and requirements to be taken when using optical radiation transmitting equipment in explosive gas atmospheres. Outlines a test method, which can be used to verify that a beam is not ignition capable under selected test conditions, if the optical limit values cannot be guaranteed by assessment or beam strength measurement.

SANS 60079-29-1:2012 / IEC 60079-29-1:2007

Explosiv	e atmospheres Part 29-1: Gas detectors	- Performance requirements of detectors for flammable gases
Ed 1.00	A4 55p EN	Gr 13
	PDF 55p EN	29,260,20

Specifies general requirements for construction, testing and performance, and describes the test methods that apply to portable, transportable and fixed apparatus for the detection and measurement of flammable gas or vapour concentrations with air. The apparatus, or parts thereof, are intended for use in potentially explosive atmospheres and in mines susceptible to firedamp.

SANS 60079-29-2:2012 / IEC 60079-29-2:2007

Explosive atmospheres Part 29-2: Gas detectors - Selection, installation, use and maintenance of detectors for flammable gases and oxygen

Ed 1.00	A4 105p EN	Gr 16
	PDF 105p EN	29.260.20

Gives guidance on the selection, installation, safe use and maintenance of electrically operated group II apparatus intended for use in industrial and commercial safety applications for the detection and measurement of flammable gases complying with the requirements of IEC 60079-29-1 (published in South Africa as an identical adoption under the designation SANS 60079-29-1)

SANS 60079-29-4:2012 / IEC 60079-29-4:2009

Explosive atmospheres - Part 29-4: Gas detectors	- Performance requirements of open path detectors for flammable gases
Ed 1.00 A4 34p EN	Gr 11

PDF 34p EN	

Specifies performance requirements of equipment for the detection and measuring of flammable gases or vapours in ambient air by measuring the spectral absorption by the gases or vapours over extended optical paths, ranging typically from one metre to a few kilometres. Cor 1(International), 2012-03-16

NUMERICAL LIST OF STANDARDS

Explosive atmospheres Part 20-1: Material characteristics for gas and vapour classification - Test methods and data

appropriate group of equipment. Does not take into account the possible effects of obstacles on the safe gaps.

29.260.20

29.260.20

13.320; 29.260.20

Standards South Africa Catalogue 2013 NUM - 716

Explosive atmospheres Part 35-1: Caplights for use in mines susceptible to firedamp - General requirements - Construction and

Specifies requirements for the construction, testing and marking of caplights, including caplights with a point of connection for other equipment, for use in mines susceptible to firedamp (Group I - electrical equipment for explosive gas atmospheres as defined in IEC 60079-0). Deals only with the

SANS 60079-35-2:2013 / IEC 60079-35-2:2011

Explosiv	e atmospheres Part 35-2: Caplights for use in mines susceptible to f	iredamp - Performance and other safety-related matters
Ed 1.00	A4 15p EN	Gr 8
	PDF 15p EN	20 260 20: 72 100 20

Details those performance and other safety features of caplights, including those with a point of connection for another equipment, not covered in

SANS 60081:2006 (2012-07-05)

(SABS IEC 60081)		
Double-capped fluorescent lamps	- Performance specifications	
Ed 2.03 A4 185p EN		Gr 18
PDF 185p EN		29.140.30
IEC 60081:2005, MOD		
Specifies the performance requirement	ents for double-capped fluorescent lamps	for general lighting service.
Am 1(International), 2003-11-07	Am 2(International), 2006-05-05	Am 3(International), 2006-05-05
Am 1(National), 2012-06-29	Am 4(International), 2012-06-29	
SANS 60086-1:2011 / IEC 60086-1:2	2011	
(SABS IEC 60086-1)		
Primary batteries Part 1: General		
Ed 5.00 A4 50p EN		Gr 12
PDF 50p EN		29.220.10
Specifies the standardization of prima typical performance, safety and envir	ary batteries with respect to dimensions, r ronmental aspects.	nomenclature, terminal configurations, markings, test methods,
SANS 60086-2:2012 / IEC 60086-2:2	2011	

Primary batteries Part 2: Physical and electrical specifications

Ed 6.00	A4 60p EN	Gr 13
	PDF 60p EN	29.220.10

Applies to primary batteries based on standardized electrochemical systems and specifies the physical dimensions and the discharge test conditions and discharge performance requirements.

Gr 11

29,260,20

29.260.20; 73.100.20

SANS 60079-30-1:2007 / IEC 60079-30-1:2007 (2012-11-09) Explosive atmospheres Part 30-1: Electrical resistance trace heating - General and testing requirements

Ed 1.00 A4 38p EN PDF 38p EN

Provides a comprehensive overview of the essential requirements and testing appropriate to electric surface heating equipment used in explosive gas atmospheres.

SANS 60079-30-2:2007 / IEC 60079-30-2:2007 (2012-12-14) Explosive atmospheres Part 30-2: Electrical resistance trace heating - Application guide for design, installation and maintenance Ed 1.00 A4 550 EN

d 1.00	A4 55p EN	1				Gr 13	
	PDF 55p E	EN				29.260.20)

Provides guidance for the application of electrical resistance trace heating systems in areas where explosive gas atmospheres may be present, with the exception of those classified as zone 0.

SANS 60079-31:2009 / IEC 60079-31:2008

Explosive atmos	pheres Part 31: Equ	ipment dust ign	ition protection by	enclosure "t

Ed 1.00	A4 12p EN	Gr 7
	PDF 12p EN	29.260.20

Applicable to electrical equipment protected by enclosure and surface temperature limitation for use in explosive dust atmospheres. Specifies requirements for design, construction and testing of electrical equipment. Does not apply to dusts of explosives, which do not require atmospheric oxygen for combustion, pyrophoric substances, electrical equipment intended for use in underground parts of mines and those parts of surface installations of such mines endangered by firedamp and/or combustible dust. Does not take account of any risk due to an emission of flammable or toxic gas from the dust.

Cor 1(International), 2009-10-02

SANS 60079-35-1:2013 / IEC 60079-35-1:2011

testing i	n relation to the risk	of explosion	•	
Ed 1.00	A4 22p EN			Gr 9

Fd ⁻ PDF 22p EN

risk of the caplight becoming a source of ignition.

Explosive atmospheres Pa	art 35-2: Caplights for use in mines	s susceptible to firedamp	 Performance and other safety-r
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1.00	A4 15p EN					Gr 8			
	PDF 15p EN					29.260).20;	73.100.	20

IEC 60079-35-1, but which are important for the safety and working conditions of the user. May also be applied to caplights for use in mines not likely to be endangered by firedamp.

(SABS IEC 60086-2)

		29.140.30
IEC 60081:2005, MOD		
Specifies the performance requireme	nts for double-capped fluorescent lamps	for general lighting service.
Am 1(International), 2003-11-07	Am 2(International), 2006-05-05	Am 3(International), 2006
Am 1(National), 2012-06-29	Am 4(International), 2012-06-29	
SANS 60086-1:2011 / IEC 60086-1:2	2011	
(SABS IEC 60086-1)		
Primary batteries Part 1: General		
Ed 5.00 A4 50p EN		Gr 12
PDF 50p EN		29.220.10

SANS 60086-3:2005 / IEC 60086-3:2004 (2010-06-25) (SABS IEC/ISO 60086-3)	
Primary batteries Part 3: Watch batteries	
Ed 2.00 A4 25p EN	Gr 10
PDF 25p EN	29.220.10; 39.040.10
Specifies dimensions, designation, methods of test and requirements for primary b	patteries for watches.
SANS 60086-4:2008 / IEC 60086-4:2007 (SABS IEC 60086-4)	
Primary batteries Part 4: Safety of lithium batteries	
Ed 3.00 A4 33p EN	Gr 11
PDF 33p EN	29.220.10
Specifies tests and requirements for primary lithium batteries to ensure their safe misuse.	operation under intended use and reasonably foreseeable
SANS 60086-5:2012 / IEC 60086-5:2011 (SABS IEC 60086-5)	
Primary batteries Part 5: Safety of batteries with aqueous electrolyte	
Ed 3.00 A4 37p EN	Gr 11
PDF 3/p EN	29.220.10
Specifies tests and requirements for primary batteries with aqueous electrolyte to foreseeable misuse.	ensure their safe operation under intended use and reasonably
SANS 60095-1:2007 / IEC 60095-1:2006 (2012-08-24) (SABS IEC 60095-1)	
Lead-acid starter batteries Part 1: General requirements and methods of test	
Ed 3.00 A4 28p EN PDF 28p EN	Gr 10
Applicable to lead-acid batteries with a nominal voltage of 12 V, used primarily as	a power source for the starting of internal combustion engines,
SANS 60095-2:2010 / IEC 60095-2:2009	ballenes are commonly called starter ballenes.
(SADS IEC 00093-2)	nd marking of terminals
Ed 2.00 A4.425 EN	Gr 12
PDF 42p EN	29 220 20
Applicable to lead-acid batteries used for starting, lighting and ignition of passenge can be fastened to the vehicle by means of ledges around the container or by mea	er cars and light vehicles with a nominal voltage of 12 V, which ans of a hold-down device engaging with the lid.
SANS 60095-4:2008 / IEC 60095-4:2008	
(SABS IEC 60095-4)	
Ed 2.00. A4 175 EN	Gr 9
PDF 17p EN	29 220 20
Applicable to lead-acid batteries used for starting, lighting and ignition of heavy tru	cks, commercial vehicles, buses and agricultural trucks.
SANS 60099-1:1999 / IEC 60099-1:1999 (2013-02-22) (SABS IEC 60099-1)	
Surge arresters Part 1: Non-linear resistor type gapped surge arresters for a.	c systems
Ed 1.01 A4 48p EN	Gr 12
PDF 48p EN	29.240.10; 31.040.01
Applies to surge protective devices designed for repeated operation to limit voltage current. Applies particularly to surge arresters consisting of single or multiple spart Am 1(International), 2001-10-05 Am 1(National), 2007-08-31	e surges on a.c. power circuits and to interrupt power-follow k gaps in series with one or more non-linear resistors.
SANS 60099-4:2009 / IEC 60099-4:2009 (SABS IEC 60099-4)	
Surge arresters Part 4: Metal-oxide surge arresters without gaps for a.c. syst	lems
Ed 2.02 A4 155p EN	Gr 18
PDF 155p EN	29.240.10
Applies to non-linear metal-oxide resistor type surge arresters without spark gaps	designed to limit voltage surges on a.c. power circuits.

Am 1(International), 2007-02-16 Am 2(International), 2009-09-11

SANS 60099-5:2007 / IEC 60099-5:2000 (2011-02-04) (SABS IEC 60099-5)	
Surge arresters Part 5: Selection and application recommendations	
Ed 1.01 A4 57p EN PDF 57p EN	Gr 13 29.240.10
Provides recommendations for the selection and application of surge arresters to be kV. Applies to non-linear resistor type gapped surge arresters and to gapless metal Cor 1(International), 1997-05-26 Am 1(International), 2007-10-19	e used in three-phase systems with nominal voltages above 1 I-oxide surge arresters.
SANS 60099-6:2005 / IEC 60099-6:2002 (2010-05-21) Surge arresters Part 6: Surge arresters containing both series and parallel ga	pped structures - Rated 52 kV and less
Ed 1 00 A4 47 ₀ EN	Gr 12
PDF 47p EN	29.240.10
Specifies requirements and tests for metal-oxide surge arresters with internal series linear metal-oxide resistor type surge arresters with spark gaps designed to limit vo	s gaps, with rated voltages 52kV and below. Applies to non- Itage surges on a.c. power circuits.
SANS 60099-7:2005 / IEC/PAS 60099-7:2004 (2010-06-25)	
Surge arresters Part 7: Glossary of terms and definitions from IEC publication 21, 61643-311, 61643-321, 61643-331 and 61643-341	ns 60099-1, 60099-4, 60099-6, 61643-1, 61643-12, 61643-
Ed 1.00 A4 55p EN	Gr 13
PDF 55p EN	01.040.29; 29.240.10
Compiles a list of terms and definitions relative to IEC publications from IEC technic Surge protective devices and 37B: Surge protective components, current at the date	cal committee 37: Surge arresters and subcommittees 37A: e of this publication.
SANS 60099-8:2011 / IEC 60099-8:2011 Surge arresters Part 8: Metal-oxide surge arresters with external series gap (E of a.c. systems above 1 kV	EGLA) for overhead transmission and distribution lines
Ed 1.00 A4 61p EN PDF 61p EN	Gr 14
Covers metal-oxide surge arresters with external series gap gap (externally gapped transmission and distribution lines, only to protect insulator assemblies from lightnir	l line arresters (EGLA)) that are applied on overhead ng-caused flashovers.
SANS 60107-1:1997 / IEC 60107-1:1997 (2012-12-14) (SABS IEC 60107-1)	
Methods of measurement on receivers for television broadcast transmissions radio and video frequencies	s Part 1: General considerations - Measurements at
Ed 1.00 A4 199p EN	Gr 19
PDF 199p EN	17.220.20; 33.160.25
Deals with the standard conditions and methods of measurement on television receives standards specified by the ITU-R. Such receivers may be used for direct off-air receivers prerecorded video, home movies and games among other applications. Am 1(National), 2007-07-20	eivers that conform to the terrestrial broadcast television eption, reception via cabled networks or as a monitor for
SANS 60107-2:1997 / IEC 60107-2:1997 (2012-12-14)	
Methods of measurement on receivers for television broadcast transmissions methods for monophonic channels	s Part 2: Audio channels - General methods and
Ed 1 00 A4 27p EN	Gr 10
PDF 27p EN	17.140.50: 33.160.25
Deals with the general methods of measurement of the audio channels of receivers Deals with the determination of performance and permits the comparison of equipm specifications and by laying down uniform methods of measurement for these chara Am 1(National), 2007-07-20	s for monophonic systems and multichannel sound systems. nent by listing the characteristics which are useful for acteristics.
SANS 60107-5:1999 / IEC 60107-5:1999 (2007-03-30)	
(SABS IEC 60107-5)	
Recommended methods of measurements on receivers for television broadca multichannel sound television receivers using the NICAM two-channel digital	ast transmissions Part 5: Electrical measurements on sound-system
Ed 1.01 A4 22p EN	Gr 10
PDF 22p EN	33 160 25

Applies to television receivers designed for the reception of television broadcasts using the two-channel digital sound system. The sound coding-system is based in NICAM 728 and is transmitted by a quadrature phase-shift keying (QPSK) modulated digital subcarrier. Am 1(International), 2000-01-20 Am 1(National), 2007-03-30

33.160.25

SANS 60120:1984 / IEC 60120:1984 (2011-12-15) (SABS IEC 60120) Dimensions of ball and socket couplings of string insulator units	
Ed 1.00 A4 29p EN	Gr 10
	29.080.10
Applies to string insulator units of the cap and pin and long rod types and their ass Am 1(National), 2007-05-25	ociated metal fittings.
SANS 60136:1986 / IEC 60136:1986 (2012-04-20) (SABS IEC 60136)	
Dimensions of brushes and brush-holders for electrical machinery	
Ed 1.00 A4 39p EN PDF 39p EN	Gr 11 29 100 20
Applies to brushes and brush-holders for electrical machinery. It applies only to brurings.	ushes and brush-holders for cylindrical commutators and slip
Am 1(International), 1995-06-01 Am 1(National), 2007-03-30	
SANS 60137:2010 / IEC 60137:2008 (SABS IEC 60137)	
Insulated bushings for alternating voltages above 1 000 V	
Ed 3.00 A4 58p EN	Gr 13
FUF Sop EN	29.080.20
current systems, having highest voltage for equipment above 1 000 V and power fr	requencies of 15 Hz up to and including 60 Hz.
SANS 60146-1-1:1991 / IEC 60146-1-1:1991 (2013-02-01) (SABS IEC 60146-1-1)	
Semiconductor convertors - General requirements and line commutated con-	vertors Part 1-1: Specification of basic requirements
Ed 1.00 A4 69p EN PDF 69p EN	Gr 14
Specifies the requirements for the performance of all electronic power convertors a controllable electronic valves. Primarily intended to specify the requirements applic to d.c. power or vice versa.	and electronic power switches using controllable and/or non- cable to line commutated convertors for conversion of a.c. power
Cor 1(International), 1993-08-01 Am 1(International), 1996-07-01	Am 1(National), 2007-11-09
SANS 60146-1-2:1991 / IEC 60146-1-2:1991 (2013-02-01) (SABS IEC 60146-1-2)	
Semiconductor convertors - General requirements and line commutated con	vertors Part 1-2: Application guide
Ed 1.00 A4 95p EN PDE 95p EN	Gr 15
Gives guidance on variations to the specifications in IEC 60146 1.1 (published in S	29.200; 31.080.01
SANS 61046-1-1) to enable the specific publications in LC of the 1-1 (published in a controlled i technical points. Covers line commutated convertors and is not in itself a specifical Am 1(National), 2007-11-02	form for special cases. Also gives background information on tion, except as regards certain auxiliary components.
SANS 60146-1-3:1991 / IEC 60146-1-3:1991 (2013-02-01) (SABS IEC 60146-1-3)	
Semiconductor convertors - General requirements and line commutated con-	vertors Part 1-3: Transformers and reactors
Ed 1.00 A4 14p EN PDF 14p EN	Gr 7 29.180; 29.200
Relates to those characteristics wherein convertor transformers differ from ordinary IEC 60076 (different parts of IEC 60076 have been published in South Africa as ide to convertor transformers also, as far as they are not in contradiction with this stan Am 1(National) . 2007-11-02	y power transformers. In all other respects, the rules specified in entical adoptions under the designation SANS 60076) will apply dard.
SANS 60146-2:1999 / IEC 60146-2:1999 (2013-03-15)	
(SABS IEU 60146-2) Semiconductor converters Part 2: Self-commutated semiconductor converter	rs including direct d.c. converters
Ed 2.00 A4 47p EN PDF 47p EN	Gr 12 31 080 99
Applies to all types of semiconductor converters of the self-commutated type includ commutated type, for example a.c. converters, indirect d.c. converters, and direct of Am 1(National), 2007-11-02	ding power converters that contain at least one part of a self- d.c. converters.

SANS 60146-6:1992 / IEC 60146-6:1992 (2013-02-01) (SABS IEC 60146-6) Semiconductor convertors Part 6: Application guide for the protection of semiconductor convertors against overcurrent by fuses Ed 1.00 A4 18p EN Gr 8 PDF 18p EN 29.200; 31.080.01 Applies to semiconductor convertors with fuses for the protection of the semiconductors forming the principal arms of these convertors. Limited to line commutated convertors in single-way and double-way connections; and to fuses complying with IEC 60269-1 and IEC 60269-4 (IEC 60269-1 and IEC 60269-4 have been published in South Africa as identical adoptions under the designations SANS 60269-1 and SANS 60269-4). Am 1(National), 2007-11-02 SANS 60155:2007 / IEC 60155:1993 (2013-03-01) Glow-starters for fluorescent lamps Ed 1.00 A4 30p EN Gr 10 PDF 30p EN 29.140.99 Specifies interchangeable glow-starters used with pre-heat type fluorescent lamps. Am 1(International), 2007-09-07 Am 2(International), 2007-09-07 SANS 60168:2001 / IEC 60168:2001 (2012-06-29) (SABS IEC 60168) Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1 000 V Ed 1.02 A4 47p EN Gr 12 PDF 47p EN 29.080.10 Is applicable to post insulators and post insulator units of ceramic material or glass, for indoor and outdoor use in electrical installations or equipment, operating on alternating current with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz. Am 1(International), 1998-01-12 Am 2(International), 2001-10-18 Am 1(National), 2007-06-01 SANS 60188:2001 / IEC 60188:2001 (2012-02-10) (SABS IEC 60188) High-pressure mercury vapour lamps - Performance specifications Ed 1.00 A4 38p EN Gr 11 PDF 38p EN 29.140.30 Specifies the performance requirements for high-pressure mercury vapour lamps for general lighting purposes, with or without a red correcting fluorescent coating. Am 1(National), 2007-02-02 SANS 60192:2001 / IEC 60192:2001 (2012-02-10) (SABS IEC 60192) Low-pressure sodium vapour lamps - Performance specifications Ed 2.00 A4 29p EN Gr 10 PDF 29p EN 29.140.30 Specifies the performance requirements for low-pressure sodium vapour lamps for general lighting purposes. Am 1(National), 2007-02-02 SANS 60204-1:2009 / IEC 60204-1:2009 (SABS IEC 60204-1) Safety of machinery - Electrical equipment of machines Part 1: General requirements Ed 3.01 A4 123p EN Gr 16 PDF 123p EN 29.020 Applies to the application of electrical, electronic and programmable electronic equipment and systems to machines not portable by hand while working, including a group of machines working together in a co-ordinated manner. Am 1(International), 2009-10-09 SANS 60204-11:2000 / IEC 60204-11:2000 (2012-04-20) (SABS IEC 60204-11) Safety of machinery - Electrical equipment of machines Part 11: Requirements for HV equipment for voltages above 1 000 V a.c or 1 500 V d.c and not exceeding 36 kV Ed 1.00 A4 57p EN Gr 13 PDF 57p EN 13.110; 29.020 Applies to the electrical and electronic equipment and systems of machines, including a group of machines working together in a coordinated manner, but excluding higher level system aspects (i.e. communications between systems).

NUMERICAL LIST OF STANDARDS

Am 1(National), 2007-03-16

SANS 60204-32:2009 / IEC 60204-32:2008

Safety of machinery - Electrical equipment of machines Part 32: Requirements for hoisting machines

Ed 1.00 A4 128p EN PDF 128p EN

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53.	020.01	

Cr 17

Gr 7

17,220,20

Applies to the application of electrical and electronic equipment and systems to hoisting machines and related equipment. Is applicable to equipment or parts of equipment not exceeding 1 000 V a.c. or 1 500 V d.c. between lines and with nominal frequencies not exceeding 200 Hz. Covers hoisting machines including cranes, winches, and storage and retrieval machines. Does not cover individual items of electrical equipment other than their selection for use and erection.

SANS 60211:1966 / IEC 60211:1966 (2012-04-26) (SABS IEC 60211)

Maximum demand indicators, class I.0

Ed 1.00 A4 12p EN PDF 12p EN

Applies to newly manufactured maximum demand indicators, class 1.0, intended to operate as attachments to watthour meters, or varhour meters, coupled mechanically thereto and to indicate the maximum of average power, active or reactive, measured during successive equal intervals of time and to their type tests. Applies to the meters only as regards mutual effects between the maximum demand indicators and the meter. Maximum demand indicators of the same class may be attached to watthour meters or varhour meters of different accuracy class. Excludes maximum demand indicators based on thermal effects, those operated by impulses, and cumulative indicators, intended only for control purposes. Am 1(National), 2007-03-16

SANS 60227-1:2006 / IEC 60227-1:1998 Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V Part 1: General requirements Ed 1.02 A4 21p EN Gr 9 PDF 21p EN 29.060.20 Covers rigid and flexible cables with insulation, and sheath if any, based on polyvinyl chloride, of rated voltages Uo/U up to and including 450/750 V used in power installations of nominal voltage not exceeding 450/750 V a.c. Am 1(International), 2006-03-24 Am 2(International), 2006-03-24 SANS 60227-2:2006 / IEC 60227-2:2003 (2012-06-08) Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V Part 2: Test methods Ed 1.01 A4 14p EN Gr 7 PDF 14p EN 29.060.20 Covers the methods of carrying out the tests specified in the different parts of IEC 60227. Am 1(International), 2006-03-03 Cor 1(International), 2006-03-03

SANS 60227-5:2006 / IEC 60227-5:2003

Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V Part 5: Flexible cables (cords)

Ed 1.02	A4 23 PDF	3p EN 23p E	N									

Covers the particular requirements for polyvinyl chloride insulated flexible cords, of rated voltages up to and including 300/500 V. Am 1(International), 2006-03-03 Am 2(International), 2006-03-03

SANS 60238:2012 / IEC 60238:2011

(SABS IEC 60238)

Edison screw lampholders

Ed 4.02	A4 77p EN	Gr 14
	PDF 77p EN	29.140.10

Applies to lampholders with Edison thread E14, E27 and E40, designed for connection to the supply of lamps and semi-luminaires only. Also applies to switched lampholders for use in a.c. circuits only, where the working voltage does not exceed 250 V r.m.s. Am 1(International), 2009-03-13 Am 2(International), 2012-03-23

SANS 60252-1:2011 / IEC 60252-1:2010

(SABS IEC 60252-1)

AC motor capacitors Part 1: General - Performance, testing and rating - Safety requirements - Guidance for installation and operation Ed 2.00 A4 31p EN Gr 11

PDF 31p EN

Applies to motor capacitors intended for connection to windings of asynchronous motors supplied from a single-phase system having a frequency up to and including 100 Hz, and to capacitors to be connected to three-phase asynchronous motors so that these motors may be supplied from a single-phase system.

SANS 60252-2:2012 / IEC 60252-2:2010

AC moto	or capacitors Part 2: Motor start capacitors	
Ed 2.00	A4 43p EN	Gr 12
	PDF 43p EN	31.060.70

Applies to motor start capacitors intended for connection to windings of asynchronous motors supplied from a single-phase system having the frequency of the mains.

> Standards South Africa Catalogue 2013 NUM - 721

Gr 10 29.060.20

31.060.70

SANS 60254-1:2005 / IEC 60254-1:2005 (2010-06-25) (SABS IEC 60254-1)	
Lead-acid traction batteries Part 1: General requirements and methods of te	st
Ed 3.00 A4 14p EN	Gr 7
PDF 14p EN	29.220.20
Applies to lead-acid traction batteries used as power sources for electric propulsic batteries or cells, together with the relevant test methods of those characteristics.	on. Intends to specify certain essential characteristics of traction
SANS 60254-2:2008 / IEC 60254-2:2008 (SABS IEC 60254-2)	
Lead-acid traction batteries Part 2: Dimensions of cells and terminals and m	arking of polarity on cells
Ed 3.00 A4 12p EN	Gr 7
	29.220.20
Applicable to lead-acid traction batteries used as power sources for electric propu traction battery cells, the form of the marking of traction battery cell polarity and d commonly used traction battery terminals designed to connect output cables to th and North America.	Ision. Specifies the maximum external (overall) dimensions of imensions of corresponding symbols, the basic dimensions of e battery, and the dimensions of cells commonly used in Asia
SANS 60269-1:2010 / IEC 60269-1:2009 (SABS IEC 60269-1)	
Low-voltage fuses Part 1: General requirements	
Ed 3.01 A4 69p EN	Gr 14
PDF 69p EN	29.120.50
Applicable to fuses incorporating enclosed current-limiting fuse-links with rated brower-frequency a.c. circuits of nominal voltages not exceeding 1 000 V or d.c. ci Am 1(International), 2010-03-26	eaking capacities of not less than 6 kA, intended for protecting rcuits of nominal voltages not exceeding 1 500 V.
SANS 60269-2:2010 / IEC 60269-2:2010	
Low-voltage fuses Part 2: Supplementary requirements for fuses for use by application) - Examples of standardized systems of fuses A to J	authorized persons (fuses mainly for industrial
Ed 3.00 A4 182p EN	Gr 19
PDF 182p EN	29.120.50
Covers supplementary requirements for fuses in installations where fuse-links are	accessible to, and may be replaced by authorized persons only
SANS 60269-3:2010 / IEC 60269-3:2010	
(SABS IEC 60269-3) Low-voltage fuses Part 3: Supplementary requirements for fuses for use by similar applications) - Examples of standardized systems of fuses A to E	unskilled persons (fuses mainly for household and
Ed 3.00 A4 154p EN	Gr 18
PDF 154p EN	29.120.50
Covers six fuse systems, each dealing with a specific example of standardized fus (published in South Africa as an identical adoption under the designation SANS 6	ses that comply with the requirements given in IEC 60269-1 0269-1), for unskilled persons.
SANS 60269-4:2012 / IEC 60269-4:2012 (SABS IEC 60269-4)	
Low-voltage fuses Part 4: Supplementary requirements for fuse-links for the	protection of semiconductor devices
Ed 3.01 A4 56p EN	Gr 13
PDF 56p EN	29.120.50
Applies to fuse-links for application in equipment containing semiconductor device d.c. and also, in so far as they are applicable, for circuits of higher nominal voltage Am 1(International), 2012-12-07	es for circuits of nominal voltages up to 1 000 V a.c. or 1 500 V es.
SATR 60269-5:2012 / IEC TR 60269-5:2010	
Low-voltage fuses Part 5: Guidance for the application of low-voltage fuses	
Ed 1.00 A4 49p EN	Gr 13
PDF 49p EN	29.120.50
Shows how current-limiting fuses are easy to apply to protect today's complex and voltage fuses up to 1 000 V a.c. and 1 500 V d.c. (Serves as an application guide	d sensitive electrical and electronic equipment. Covers low- for low-voltage fuses.)
SANS 60269-6:2011 / IEC 60269-6:2010	
Low-voltage fuses Part 6: Supplementary requirements for fuse-links for the	protection of solar photovoltaic energy systems
Ed 1.00 A4 29p EN PDE 29p EN	Gr 10
Applicable to fuse links for protecting wheteveltais strings and shots all the	23.120.30
Cor 1(International), 2011-03-31	in equipment for circuits of nominal voltages up to 1 500 V d.c.

Standards South Africa Catalogue 2013 NUM - 722

SANS 60270:2000 / IEC 60270:2000 (2007-12-07) (SABS IEC 60270) High-voltage test techniques - Partial discharge measurements Ed 1.00 A4 53p EN Gr 14 PDF 53p EN 17.220.20; 19.080 Applies to the measurement of partial discharges which occur in electrical apparatus, components or systems when tested with alternating voltages up to 400 Hz or with direct voltage. Cor 1(International), 2002-09-04 Am 1(National), 2007-12-07 SANS 60273:1990 / IEC 60273:1990 (2012-06-29) (SABS IEC 60273) Characteristics of indoor and outdoor post insulators for systems with nominal voltages greater than 1 000 V Ed 1.00 A4 43p EN Gr 12 PDF 43p EN 29.080.10 Applies to post insulators and post insulator units of ceramic material or glass intended for indoor or outdoor service, and to post insulators of organic material intended for indoor service in electrical installations or equipment operating on alternating current systems with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz. May also be regarded as a provisional standard for insulators for use on direct current systems. Am 1(National), 2007-05-25 SANS 60282-1:2010 / IEC 60282-1:2009 (SABS IEC 60282-1) High-voltage fuses Part 1: Current-limiting fuses Ed 4.00 A4 84p EN Gr 15 PDF 84p EN 29.120.50 Applies to all types of high-voltage current-limiting fuses designed for use outdoors or indoors on alternating current systems of 50 Hz and 60 Hz and of rated voltages exceeding 1 000 V. SANS 60282-2:2008 / IEC 60282-2:2008 (SABS IEC 60282-2) High-voltage fuses Part 2: Expulsion fuses Ed 2.00 A4 54p EN Gr 13 PDF 54p EN 29.120.50 Specifies requirements for expulsion fuses designed for use outdoors or indoors on alternating current systems of 50 Hz and 60 Hz, and of rated voltages exceeding 1 000 V. SANS 60287-1-1:2010 / IEC 60287-1-1:2006 Electric cables - Calculation of the current rating Part 1-1: Current rating equations (100 % load factor) and calculation of losses -General Ed 1.00 A4 34p EN Gr 11 PDF 34p EN 29.060.20 Applicable to the conditions of steady-state operation of cables at all alternating voltages, and direct voltages up to 5 kV, buried directly in the ground, in ducts, troughs or in steel pipes, both with and without partial drying-out of the soil, as well as cables in air. SANS 60287-1-2:2010 / IEC 60287-1-2:1993 Electric cables - Calculation of the current rating Part 1-2: Current rating equations (100% load factor) and calculation of losses -Sheath eddy current loss factors for two circuits in flat formation Ed 1.00 A4 31p EN Gr 11 PDF 31p EN 29.060.20 Provides a method for calculating the eddy current losses in the metallic sheaths of single-core cables arranged as a three-phase double circuit in flat formation SANS 60287-1-3:2010 / IEC 60287-1-3:2002 Electric cables - Calculation of the current rating Part 1-3: Current rating equations (100% load factor) and calculation of losses -Current sharing between parallel single-core cables and calculation of circulating current losses Ed 1.00 A4 21p EN Gr 9 PDF 21p EN 29,060.20 Provides a method for calculating the phase currents and circulating current losses in single-core cables arranged in parallel. The method described in this standard can be used for any number of cables per phase in parallel in any physical layout. SANS 60287-2-1:2010 / IEC 60287-2-1:2006 Electric cables - Calculation of the current rating Part 2-1: Thermal resistance - Calculation of the thermal resistance Ed 1.02 A4 41p EN Gr 12 PDF 41p EN 29.060.20 Contains methods for calculating the internal thermal resistance of cables and the external thermal resistance for cables laid in free air, ducts and buried Am 1(International), 2010-11-19 Am 2(International), 2010-11-19

NUMERICAL LIST OF STANDARDS

Standards South Africa Catalogue 2013 NUM - 723

Electric cables - Calculation of the current rating Part 2-2: of cables in free air, protected from solar radiation	Thermal resistance - A method for calculating reduction factors for groups
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	29.060.20
Applies to any type of cable and group running horizontally, pro	ovided that the cables are of equal diameter and emit equal losses.
SANS 60287-3-1:2010 / IEC 60287-3-1:1999 Electric cables - Calculation of the current rating Part 3-1: selection of cable type	Sections on operating conditions - Reference operating conditions and
Ed 1.01 A4 17p EN	Gr 8
PDF 17p EN	29.060.20
Applies to the conditions of steady-state operation of cables at in ducts, troughs or in steel pipes, both with and without partial Am 1(International), 2010-11-19	all alternating voltages, and direct voltages up to 5 kV, buried directly in the ground, drying-out of the soil, as well as cables in air.
SANS 60287-3-2:2010 / IEC 60287-3-2:1995	
Electric cables - Calculation of the current rating Part 3-2: size	Sections on operating conditions - Economic optimization of power cable
Ed 1.00 A4 32p EN	Gr 11
PDF 32p EN	29.060.20
Sets out a method for the selection of a cable size taking into a economic life of the cable.	account the initial investment costs and the future costs of energy losses during the
Am 1(International), 2010-11-19	
SANS 60287-3-3:2010 / IEC 60287-3-3:2007 Electric cables - Calculation of the current rating Part 3-3: Ed 1.00 A4 18p EN PDF 18p EN	Sections on operating conditions - Cables crossing external heat sources Gr 8 29.060.20
Describes a method for calculating the continuous current ratin involved.	g factor for cables of all voltages where crossings of external heat sources are
SANS 60300-3-16:2010 / IEC 60300-3-16:2008	
Dependability management Part 3-16: Application guide - 0	Buidelines for specification of maintenance support services
Ed 1.00 A4 25p EN	Gr 10
PDF 25p EN	03.120.10; 29.020
Describes a framework for the specification of services related during the operation and maintenace phase. The purpose of th maintenance support services as well as guidelines for the ma provider.	to the maintenance support of products, systems and equipment that are carried out is standard is to outline, in a generic manner, the development of agreements for nagement and monitoring of these agreements by both the company and the service
SANS 60305:1995 / IEC 60305:1995 (2011-09-16) (SABS IEC 60305)	
Insulators for overhead lines with a nominal voltage above Characteristics of insulator units of the cap and pin type	> 1 000 V - Ceramic or glass insulator units for a.c. systems -
Ed 2.00 A4 8p EN	Gr 6
PDF 8p EN	29.080.10
Applies to string insulator units of the cap and pin type with ins nominal voltage greater than 1 000 V and a frequency not greater Am 1(National), 2007-05-25	ulating parts of ceramic material or glass, intended for a.c. overhead lines with a ter than 100 Hz. Also applies to insulators of similar design used in substations.

SANS 60309-1:2012 / IEC 60309-1:2012

SANS 60287-2-2:2010 / IEC 60287-2-2:1995

(SABS IEC 60309-1)

Plugs, socket-outlets and couplers for industrial purposes Part 1: General requirements

Ed 3.02 A4 88p EN PDF 88p EN

Applies to plugs and socket-outlets, cable couplers and appliance couplers, with a rated operating voltage not exceeding 1 000 V d.c. or a.c. and 500 Hz a.c., and a rated current not exceeding 800 A, primarily intended for industrial use, either indoors or outdoors. Am 2(International), 2012-11-30 Am 1(International), 2006-11-10

Gr 15

29.120.30

SANS 60309-2:2012 / IEC 60309-2:2012 (SABS IEC 60309-2) Plugs, socket-outlets and couplers for industrial purposes Part 2: Dimension	nal interchangeability requirements for pin and contact-		
Ed 3.02 A4 29p EN PDF 29p EN	Gr 10 29.120.30		
Applies to plugs and socket-outlets, cable couplers and appliance couplers with a rated current not exceeding 125 A, primarily intended for industrial use, either indo Am 1(International), 2006-11-10 Am 2(International), 2012-11-30	rated operating voltage not exceeding 1 000 V, 500 Hz and a pors or outdoors.		
SANS 60309-4:2012 / IEC 60309-4:2012 Plugs, socket-outlets and couplers for industrial purposes Part 4: Switched	socket-outlets and connectors with or without interlock		
Ed 1.01 A4 25p EN PDF 25p EN	Gr 10 29.120.30		
Applies to self-contained products that combine within a single enclosure, a socket-outlet or connector according to IEC 60309-1 or IEC 60309-2 and aswitching device, with a rated operating voltage not exceeding 690 1 000 V d.c. or a.c. and 500 Hz , and a rated current not exceeding 250 800 A, primarily intended for industrial use, either indoors or outdoors. Am 1(International), 2012-11-30			
SANS 60311:2003 / IEC 60311:2002 (SABS IEC 60311)			
Electric irons for household or similar use - Methods for measuring perform Ed 3.00 A4 49p EN PDF 49p EN	ance Gr 12 97 060		
Applies to electric irons for household or similar use. The purpose of this standard of electric irons for household or similar use which are of interest to the user and to characteristics. Electric irons covered by this standard include dry irons; steam iro boiler/generator having a capacity not exceeding 5 L.	is to state and define the principal performance characteristics o describe the standard methods for measuring these ns; spray irons; steam irons with separate water reservoir or		
SANS 60317-0-1:2009 / IEC 60317-0-1:2008 (SABS IEC 60317-0-1) Specifications for particular types of winding wires Part 0-1: General require	ments - Enamelled round copper wire		
PDF 29p EN	Gr 10 29.060.10		
Specifies the general requirements of enamelled round copper winding wires with	or without a bonding layer.		
SANS 60317-0-2:2009 / IEC 60317-0-2:2005 Specifications for particular types of winding wires Part 0-2: General require	ments - Enamelled rectangular copper wire		
Ed 1.02 A4 25p EN PDF 25p EN	Gr 10		
Specifies the general requirements of enamelled rectangular copper winding wires Am 1(International), 2009-08-28 Am 2(International), 2009-08-28	5.		
SANS 60317-0-3:2008 / IEC 60317-0-3:2008 Specifications for particular types of winding wires Part 0-3: General require	ments - Enamelled round aluminium wire		
Ed 1.00 A4 22p EN	Gr 9		
PDF 22p EN	29.060.10		
Specifies the general requirements of enamelled round aluminium winding wires w	vith or without a bonding layer.		
SANS 60317-4:2007 / IEC 60317-4:2000 (2012-04-20) (SABS IEC 60317-4) Specifications for particular types of winding wires Part 4: Solderable polyur	rethane enamelled round copper wires, class 130		
Ed 1.02 A4 9p EN PDF 9p EN	Gr 6 29.060.10		
Specifies the requirements of solderable enamelled round copper winding wire of Am 1(International), 1999-03-26 Am 2(International), 2000-01-28	class 130 with a sole coating based on polyurethane resin.		
SANS 60317-8:2010 / IEC 60317-8:2010 (SABS IEC 60317-8)			
Specifications for particular types of winding wires Part 8: Polyesterimide er Ed 2.00 A4 10p EN PDE 10p EN	namelled round copper wire, class 180 Gr 6		
Specifies the requirements of enamelled round copper winding wires of class 180 modified provided it retains the chemical identity of the original resin and meets all	29.000.10 with a sole coating based on polyesterimide resin, which may be I specified wire requirements.		

NOMERICAL LIST OF S	TANDARDS
SANS 60317-12:2012 / IEC 60317-12:2010 (SABS IEC 60317-12)	
Specifications for particular types of winding wires Part 12: Polyvinyl acetal of Ed 2.00 A4 10p EN PDF 10p EN	enamelled round copper wire, class 120 Gr 6 29.060.10
Specifies the requirements of enamelled round copper winding wire of class 120 w modified providing it retains the chemical identity of the original resin and meets al	ith a sole coating based on polyvinyl acetal resin, which may be Il specified wire requirements.
SANS 60317-13:2012 / IEC 60317-13:2010 (SABS IEC 60317-13) Specifications for particular types of winding wires Part 13: Polyester or poly round copper wire, class 200 Ed 2.00 A4 10p EN	vesterimide overcoated with polyamide-imide enamelled
PDF 10p EN Specifies the requirements of enamelled round copper winding wire of class 200 w or polyesterimide resin, which may be modified providing it retains the chemical id requirements. The superimposed coating is based on polyamide-imide resin.	29.060.10 vith a dual coating. The underlying coating is based on polyester entity of the original resin and meets all specified wire
SANS 60317-18:2011 / IEC 60317-18:2010 Specifications for particular types of winding wires - Part 18: Polyvinyl aceta Ed 1.01 A4 10p EN PDF 10p EN	I enamelled rectangular copper wire, class 120 Gr 6 29.060.10
be modified provided that it retains the chemical identity of the original resin and m Am 1(International), 2011-04-08	with a sole coating based on polyvinyl acetal resin, which may neets all specified wire requirements.
SANS 60317-28:2011 / IEC 60317-28:1990 Specifications for particular types of winding wires Part 28: Polyesterimide e	namelled rectangular copper wire, class 180
Ed 1.00 A4 8p EN PDF 8p EN	Gr 6 29.060.10
Specifies the requirements of enamelled rectangular copper winding wire of class may be modified provided that it retains the chemical identity of the original resin a Am 1(International), 2011-04-08 Am 2(International), 2011-04-08	180 with a sole coating based on polyesterimide resin, which and meets all specified wire requirements.
SANS 60317-29:2011 / IEC 60317-29:1990 Specifications for particular types of winding wires Part 29: Polyester or poly rectangular copper wire, class 200	esterimide overcoated with polyamide-imide enamelled
Ed 1.00 A4 8p EN PDF 8p EN	Gr 6 29.060.10
Specifies requirements of enamelled rectangular copper winding wire of class 200 polyester or polyesterimide resin, which may be modified providing it retains the characteristic requirements. The superimposed coating is based on polyamide-imide resin. Am 1(International), 2011-03-11 Am 2(International), 2011-03-11	with a dual coating. The underlying coating is based on nemical identity of the original resin and meets all specified wire
SANS 60317-100:2003 (2010-07-23) Specifications for particular types of winding wires Part 100: Enamelled rour	nd copper wire, class 220
Ed 1.00 A4 6p EN PDF 6p EN	Gr 4 29.060.10
IEC 60317-7:1997, MOD	
of polyesterimide-based enamel, and a double coating that consists of a polyester	with a single coating of polyimide-based enamel, a single coating imide-based first coating plus a polyamide imide top coating.
SANS 60320-1:2008 / IEC 60320-1:2007 (2011-12-15) (SABS IEC 60320-1)	
Appliance couplers for household and similar general purposes Part 1: General Ed. 3.01 A4 114p EN	eral requirements Gr 16

Ed 3.01 A4 114p EN PDF 114p EN

Applicable to two-pole appliance couplers for a.c. only, with or without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A, for household and similar general purposes and intended for the connection of a supply cord to electrical appliances or other electrical equipment for 50 Hz or 60 Hz supply.

29.120.30

Am 1(National), 2008-06-27

SANS 60320-2-1:2000 / IEC 60320-2-1:2000 (2011-09-16) (SABS IEC 60320-2-1)

Appliance couplers for household and similar general purposes Part 2-1: Sewing machine couplers

Ed 1.00 A4 12p EN PDF 12p EN

Is applicable to special purpose appliance couplers for household sewing machines. Sewing machine couplers are for a.c. only and have a rated voltage not exceeding 250 V and a rated current not exceeding 2,5 A.

Am 1(National), 2007-05-25

SANS 60320-2-2:2012 / IEC 60320-2-2:1998

Appliance couplers for household and similar general purposes Part 2-2: Interconnection couplers for household and similar equipment Gr 11

Ed 1.00 A4 40p EN PDF 40p EN

Applicable to two-pole interconnection couplers for a.c. only, with and without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A, for household and similar appliances and equipment and intended for the interconnection of electrical supply to electrical appliances or equipment for 50 Hz or 60 Hz supply.

SANS 60320-2-3:2005 / IEC 60320-2-3:2005 (2011-02-04)

(SABS IEC 60320-2-3)

Appliance couplers for household and similar general purposes Part 2-3: Appliance couplers with a degree of protection higher than IPX0

Ed 1.01	A4 36p EN	Gr 11
	PDF 36p EN	29.120.

Applies to two-pole non-reversible appliance couplers for cold conditions for a.c. only, with a degree of protection against ingress of water higher than IPXO, with a rated voltage not exceeding 250 V and a rated current not exceeding 10 A for a 50 Hz or 60 Hz supply. Intended for the connection of the circular supply cord to electrical appliances of class II for household, commercial and light industrial use. Am 1(National), 2000-07-21 Am 1(International), 2005-10-14

SANS 60320-2-4:2012 / IEC 60320-2-4:2009

Applianc	e couplers for household and similar gene	ral purposes Part 2-4: Couplers dependent on appliance weight for engageme	nt
Ed 1.01	A4 31p EN	Gr 11	
	PDF 31p EN	29 120 30	

Applicable to two-pole appliance couplers for a.c. only, with or without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A, for household and similar general purposes and intended for incorporation or integration in electric appliances or other electric equipment of multi-part construction for 50 Hz or 60 Hz supply which depend on the weight of the appliance to ensure correct engagement.

SANS 60331-1:2009 / IEC 60331-1:2009

Tests for electric cables under fire conditions - Circuit integrity Part 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0.6/1.0 kV and with an overall diameter exceeding 20 mm

Ed 1.00 A4 25p EN PDF 25p EN

Specifies the test apparatus and procedure and gives the performance requirements, including recommended flame application times, for lowvoltage power cables of rated voltage up to and including 0,6/1,0 kV and control cables with a rated voltage which are required to maintain circuit integrity when subject to fire and mechanical shock under specified conditions. Intended for use when testing cables of overall diameter exceeding 20 mm.

SANS 60331-2:2009 / IEC 60331-2:2009

Tests for electric cables under fire conditions - Circuit integrity Part 2: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20 mm

Ed 1.00 A4 25p EN PDF 25p EN

Specifies the test apparatus and procedure and gives the performance requirements, including recommended flame application times, for lowvoltage power cables of rated voltage up to and including 0,6/1,0 kV and control cables with a rated voltage which are required to maintain circuit integrity when subject to fire and mechanical shock under specified conditions. Intended for use when testing cables of overall diameter not exceeding 20 mm.

SANS 60331-3:2009 / IEC 60331-3:2009

Tests for electric cables under fire conditions - Circuit integrity Part 3: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure

Ed 1.00 A4 26p EN PDF 26p EN

Specifies the test apparatus and procedure and gives the performance requirements, including recommended flame application times, for lowvoltage power cables of rated voltage up to and including 0,6/1,0 kV, and control cables with a rated voltage which are required to maintain circuit integrity when tested in a metal enclosure and when subject to fire and mechanical shock under specified conditions.

Gr 10 13.220.40; 29.020; 29.060.20

13.220.40: 29.020: 29.060.20

29.120.30

Gr 7

29.120.30

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30

29.120.30

Gr 10

Gr 10 13.220.40: 29.020: 29.060.20

Gr 9

Tests for electric cables under fire conditions - Circuit integrity Part 11: Apparatus - Fire alone at a flame temperature of at least 750

SANS 60331-11:2009 / IEC 60331-11:2009 (SABS IEC 60331-11)

°C

Ed 1.01 A4 19p EN

PDF 19p EN 13.220.40; 29.060.20 Specifies the test apparatus to be used for testing cables required to maintain circuit integrity when subject to fire alone where the test condition is based upon a flame with a controlled heat output corresponding to a temperature of at least 750 °C. Also provides the method of verification of the burner and control system used for the test. Am 1(National), 2007-11-30 Am 1(International), 2009-09-04 SANS 60331-21:1999 / IEC 60331-21:1999 (2008-12-05) (SABS IEC 60331-21) Tests for electric cables under fire conditions - Circuit integrity Part 21: Procedures and requirements - Cables of rated voltage up to and including 0,6/1,0 kV Ed 1.00 A4 14p EN Gr 8 PDF 14p EN 13.220.40; 29.060.20 Specifies the test procedure and gives the performance requirement, including a recommended flame application time, for cables of rated voltage up to and including 0,6/1,0 kV required to maintain circuit integrity when subjected to fire under specified conditions. Describes the means of sample preparation, continuity checking arrangements, electrical testing procedure, method of burning the cables and gives requirements for evaluating test results. Is intended to cover low voltage power cables, and control cables with a rated voltage. Am 1(National), 2008-12-05 SANS 60331-23:1999 / IEC 60331-23:1999 (2007-11-30) (SABS IEC 60331-23) Tests for electric cables under fire conditions - Circuit integrity Part 23: Procedures and requirements - Electric data cables Ed 1.00 A4 14p EN Gr 8 PDF 14p EN 13,220,40:29,060,20 Specifies the test procedure and gives the performance requirement, including a recommended flame application time, for electric data cables required to maintain circuit integrity when subjected to fire under specified conditions. Describes the means of sample preparation, continuity checking arrangements, electrical testing procedure, method of burning the cables and gives requirements for evaluating test results. Covers electric data cables that have no rated voltage and are used for extra low voltage circuits. Am 1(National), 2007-11-30 SANS 60331-25:1999 / IEC 60331-25:1999 (2007-11-02) (SABS IEC 60331-25) Tests for electric cables under fire conditions - Circuit integrity Part 25: Procedures and requirements - Optical fibre cables Ed 1.00 A4 10p EN Gr 7 PDF 10p EN 13.220.40: 29.060.20 Specifies the test procedure, and gives the performance requirement, including a recommended flame application time, for optical fibre cables required to maintain circuit integrity when subjected to fire under specified conditions. Describes the means of sample preparation, continuity checking arrangements, optical testing procedures, the method of burning the cables and gives requirements for evaluating test results. Am 1(National), 2007-11-02 SANS 60332-1-1:2005 / IEC 60332-1-1:2004 (2010-09-23) Tests on electric and optical fibre cables under fire conditions Part 1-1: Test for vertical flame propagation for a single insulated wire or cable - Apparatus Ed 1.00 A4 9p EN Gr 6 PDF 9p EN 13.220.40: 29.060.20: 33.180.10 Specifies the test apparatus that determines the resistance to vertical flame propagation for a single insulated conductor or cable or optical fibre cable, under fire conditions. Not applicable for small cables <0.5 mm2. SANS 60332-1-2:2005 / IEC 60332-1-2:2004 (2010-09-23) Tests on electric and optical fibre cables under fire conditions Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame Ed 1.00 A4 12p EN Gr 7 PDF 12p EN 13.220.40; 29.060.20; 33.180.10 Specifies the procedure for testing the resistance to vertical flame propagation of a single vertical insulated conductor or cable, or optical fibre cable, under fire conditions, using 1 kW pre-mixed flame. Not applicable for small cables < 0,5 mm2. SANS 60332-1-3:2005 / IEC 60332-1-3:2004 (2010-09-23) Tests on electric and optical fibre cables under fire conditions Part 1-3: Test for vertical flame propagation for a single insulated wire or cable - Procedure for determination of flaming droplets/particles Ed 1.00 A4 12p EN Gr 7 PDF 12p EN 13.220.40; 29.060.20; 33.180.10 Specifies the test procedure for assessment of falling flaming droplets when a single vertical insulated electric conductor or cable, or optical fibre cable, is subjected to fire conditions, using 1 kW pre-mixed flame.

> Standards South Africa Catalogue 2013 NUM - 728

SANS 60332-2-1:2005 / IEC 60332-2-1:2004 (2010-09-23) Tests on electric and optical fibre cables under fire conditions Part 2-1: Test for vertical flame propagation for a single small insulated wire or cable - Apparatus Ed 1.00 A4 11p EN Gr 7 PDF 11p EN 13.220.40; 29.060.20; 33.180.10 Specifies the test apparatus that determines the resistance to vertical flame propagation of small single insulated conductors or cables, or optical fibre cables, under fire conditions. SANS 60332-2-2:2005 / IEC 60332-2-2:2004 (2010-09-23) Tests on electric and optical fibre cables under fire conditions Part 2-2: Test for vertical flame propagation for a single small insulated wire or cable - Procedure for diffusion flame Ed 1.00 A4 15p EN Gr 8 PDF 15p EN 13.220.40; 29.060.20; 33.180.10 Specifies the procedure for testing the resistance to vertical flame propagation for a single small insulated electric conductor or cable, or optical cable, under fire conditions, using diffusion flame. SANS 60332-3-10:2009 / IEC 60332-3-10:2009 (SABS IEC 60332-3-10) Tests on electric and optical fibre cables under fire conditions Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables - Apparatus Ed 1.01 A4 22p EN Gr 9 PDF 22p EN 13.220.40; 29.060.20 Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions. Details the apparatus and its arrangement and calibration. Am 1(National), 2007-11-02 Am 1(International), 2009-05-22 SANS 60332-3-21:2000 / IEC 60332-3-21:2000 (2007-11-30) (SABS IEC 60332-3-21) Tests on electric cables under fire conditions Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables -Category A F/R Ed 1.00 A4 16p EN Gr 9 PDF 16p EN 13.220.40: 29.060.20 Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions. Relates to power cables of conductor cross-sectional area greater than 35 mm2 installed on the test ladder in a spaced configuration on the front and rear to achieve a nominal total volume of non-metallic material of 7 L/m of test sample. Category A F/R cables are not intended for general use. Am 1(National), 2007-11-30 SANS 60332-3-22:2009 / IEC 60332-3-22:2009 (SABS IEC 60332-3-22) Tests on electric and optical fibre cables under fire conditions Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A Ed 1.01 A4 15p EN Gr 8 PDF 15p EN 13.220.40: 29.060.20 Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions. Relates to cables installed on the test ladder to achieve a nominal total volume of non-metallic material of 7 l/m of test sample. Category A cables are intended for general use where high volumes of non-metallic material are required to be evaluated. Am 1(National), 2007-11-02 Am 1(International), 2009-05-22 SANS 60332-3-23:2009 / IEC 60332-3-23:2009 (SABS IEC 60332-3-23) Tests on electric and optical fibre cables under fire conditions Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category B Ed 1.01 A4 14p EN Gr 7 PDF 14p EN 13.220.40; 29.060.20 Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions. Relates to cables installed on the test ladder to achieve a nominal total volume of non-metallic material of 3,5 l/m of test sample. Category B cables are intended for general use where medium volumes of non-metallic material are required to be evaluated. Am 1(National), 2007-11-02 Am 1(International), 2009-05-22

SANS 60332-3-24:2009 / IEC 60332-3-24:2009 (SABS IEC 60332-3-24)

Tests on electric and optical fibre cables under fire conditions Part 3-24: Test wires or cables - Category C	for vertical flame spread of vertically-mounted bunched
Ed 1.01 A4 14p EN	Gr 7
PDF 14p EN	13.220.40; 29.060.20
Specifies methods of test for the assessment of vertical flame spread of vertically- defined conditions. Relates to cables installed on the test ladder to achieve a nomin sample and is intended for general use where low volumes of non-metallic material Am 1(National), 2007-11-02 Am 1(International), 2009-05-22	nounted bunched wires or cables, electrical or optical, under nal total volume of non-metallic material of 1,5 l/m of test are required to be evaluated.
SANS 60332-3-25:2009 / IEC 60332-3-25:2009 (SABS IEC 60332-3-25)	
Tests on electric and optical fibre cables under fire conditions Part 3-25: Test wires or cables - Category D	for vertical flame spread of vertically-mounted bunched
Ed 1.01 A4 13p EN	Gr 7
PDF 13p EN	13.220.40; 29.060.20
Specifies methods of test for the assessment of vertical flame spread of vertically-r defined conditions. Relates to small cables of overall diameter 12 mm or smaller in non-metallic material of 0,5 l/m of test sample. Intended for use with small cables v be evaluated.	nounted bunched wires or cables, electrical or optical, under stalled on the test ladder to achieve a nominal total volume of where very low volumes of non-metallic material are required to
Am 1(National), 2007-11-30 Am 1(International), 2009-05-22	
SANS 60335-1:2011 / IEC 60335-1:2010 (SABS IEC 60335-1)	
Household and similar electrical appliances - Safety Part 1: General requirem	ents
Ed 3.00 A4 165p EN	Gr 18
PDF 165P EN	97.020
Deals with the safety of electrical appliances for household and similar purposes, the phase appliances and 480 V for others.	neir rated voltage being not more than 250 V for single phase-
SANS 60335-2-2:2010 / IEC 60335-2-2:2009 (SABS IEC 60335-2-2)	
Household and similar electrical appliances - Safety Part 2-2: Particular requi cleaning appliances	rements for vacuum cleaners and water-suction
Ed 4.00 A4 28p EN	Gr 10
PDF 28p EN	97.080
Deals with the safety of electric vacuum cleaners and water-suction cleaning applia cleaners for animal grooming, their rated voltage being not more than 250 V. Also a battery-powered cleaners.	ances for household and similar purposes, including vacuum applies to centrally-sited vacuum cleaners and automatic
SANS 60335-2-3:2006 / IEC 60335-2-3:2005 (SABS IEC 60335-2-3)	
Household and similar electrical appliances - Safety Part 2-3: Particular requi	rements for electric irons
Ed 3.01 A4 19p EN	Gr 9
PDF 19p EN	97.060
Deals with the safety of electric dry irons and steam irons, including those with a se exceeding 5 L, for household and similar purposes, their rated voltage being not me Cor 1(International) 2003-06-27 Am 1(International) 2006-08-25	eparate water reservoir or boiler that have a capacity not bre than 250 V.
SANS 60335-2-4:2009 / IEC 60335-2-4:2008 (SABS IEC 60335-2-4)	
Household and similar electrical appliances - Safety Part 2-4: Particular requi	rements for spin extractors
Ed 3.00 A4 18p EN	Gr 8

Ed 3.00 A4 18p EN PDF 18p EN

Deals with the safety of electric spin extractors for household and similar purposes that have a capacity not exceeding 10 kg of dry cloth and a drum peripheral speed not exceeding 50 m/s, their rated voltages being not more than 250 V for single-phase appliances and 480 V for other appliances.

97.060

SANS 60335-2-5:2009 / IEC 60335-2-5:2008

(SABS IEC 60335-2-5) Household and similar electrical appliances - Safety Part 2-5: Particular requirements for dishwashers Ed 2.02 A4 20p EN Gr 9 PDF 20p EN 97.040.40

Deals with the safety of electric dishwashers for household use that are intended for washing and rinsing dishes, cutlery and other utensils, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Am 1(International), 2006-07-28 Am 2(International), 2009-04-09

SANS 60335-2-6:2008 / IEC 60335-2-6:2008 (2009-04-03) (SABS IEC 60335-2-6)	uiusmente feu etationem cooking venace habe avene and
similar appliances similar appliances	Gr 11
PDF 40p EN	97.040.20
Deals with the safety of stationary electric cooking ranges, hobs, ovens and simil more than 250 V for single-phase appliances connected between one phase and Am 1(International), 2006-07-28 Am 2(International), 2008-08-15	ar appliances for household use, their rated voltage being not neutral, and 480 V for other appliances. Cor 1(International), 2009-04-03
SANS 60335-2-7:2009 / IEC 60335-2-7:2008 (SABS IEC 60335-2-7)	
Household and similar electrical appliances - Safety Part 2-7: Particular req	uirements for washing machines
Ed 5.00 A4 34p EN PDF 34p EN	Gr 11 13.120; 97.060
Deals with the safety of electric washing machines for household and similar use voltage being not more than 250 V for single-phase appliances and 480 V for oth machines for household and similar use employing an electrolyte instead of dete	 that are intended for washing clothes and textiles, their rated ier appliances. Also deals with the safety of electric washing rgent.
SANS 60335-2-8:2009 / IEC 60335-2-8:2005	
(SABS IEC 60335-2-8) Household and similar electrical appliances - Safety Part 2-8: Particular req	uirements for shavers, hair clippers and similar
Ed 2.01 A4 16p EN	Gr 8
PDF 16p EN	97.170
Deals with the safety of electric shavers, hair clippers and similar appliances inte not more than 250 V. Am 1(International), 2009-02-20	nded for household and similar purposes, their rated voltage being
SANS 60335-2-9:2004 / IEC 60335-2-9:2004 (2008-12-12) (SABS IEC 60335-2-9)	
Household and similar electrical appliances - Safety Part 2-9: Particular req appliances	uirements for grills, toasters and similar portable cooking
Ed 3.01 A4 31p EN	Gr 11
Deals with the safety of electric portable appliances for household purposes that rated voltage being not more than 250 V. Am 1(National). 2004-08-13	97.040.20 have a cooking function such as baking, roasting and grilling, their
SANS 60335-2-10:2009 / IEC 60335-2-10:2008 (SABS IEC 60335-2-10)	
Household and similar electrical appliances - Safety Part 2-10: Particular re scrubbing machines	quirements for floor treatment machines and wet
Ed 2.01 A4 13p EN	Gr 7
Deals with the safety of electric floor treatment and wet scrubbing machines inter	97.080 nded for household and similar purposes, their rated voltage being
not more than 250 V. Am 1(International), 2009-04-09	
SANS 60335-2-11:2003 / IEC 60335-2-11:2003 (2008-12-12)	
(SABS IEC 60335-2-11)	entiremente fer tumble durave
Ed 3.01 A4 18p EN	Gr 8
PDF 18p EN	13.120; 97.060
Deals with the safety of electric tumble dryers intended for household and similar single phase appliances and 480 V for other appliances. Am 1(International), 2003-08-15	purposes and having a rated voltage of not more than 250 V for
SANS 60335-2-12:2009 / IEC 60335-2-12:2008 (SABS IEC 60335-2-12)	
HOUSENDIG and SIMILAR Electrical appliances - Safety Part 2-12: Particular re	quirements for warming plates and similar appliances
PDF 14p EN	13.120; 97.040.50
Deals with the safety of electric warming plates, warming trays and similar applia and similar purposes, their rated voltage being not more than 250 V. Am 1(International), 2009-04-03	nces intended for keeping food or vessels warm, for household
	0010
Standards South Africa Catalogue	2013

SANS 60335-2-13:2011 / IEC 60335-2-13:2009 (SABS IEC 60335-2-13) Household and similar electrical appliances - Safety Part 2-13: Particular re	equirements for deep fat fryers, frying pans and similar
appliances	
Ed 3.00 A4 17p EN PDF 17p EN	Gr 8 97 040 20
Deals with the safety of electric deep fat fryers having a recommended maximum appliances in which oil is used for cooking and intended for household use and s	n quality of oil not exceeding 5 l, frying pans, woks and other similar use, their rated voltage being not more than 250 V.
SANS 60335-2-14:2009 / IEC 60335-2-14:2008 (SABS IEC 60335-2-14)	
Household and similar electrical appliances - Safety Part 2-14: Particular re	equirements for kitchen machines
Ed 4.01 A4 35p EN PDF 35p EN	Gr 11 97.040.50
Deals with the safety of electric kitchen machines for household and similar purp Am 1(International), 2009-03-20	poses, their rated voltage being not more than 250 V.
SANS 60335-2-15:2009 / IEC 60335-2-15:2005 (SABS IEC 60335-2-15)	
Household and similar electrical appliances - Safety Part 2-15: Particular re	equirements for appliances for heating liquids
Ed 3.01 A4 26p EN PDF 26p EN	Gr 10
$\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i$	97.040.00
Applies, inter alia, to kettles, coffee-makers, egg boilers, milk heaters, feeding k yoghurt-makers, steam cookers, and wash boilers. Cor 1(International), 2004-08-06 Am 1(International), 2009-07-10	bottle heaters, pressure cookers, cooking pans, slow cookers,
SANS 60335-2-16:2009 / IEC 60335-2-16:2008	
(SABS IEC 60335-2-16)	anning and the fact for a superstanding a superstanding and the superstanding an
Figure 1 and similar electrical appliances - Safety Part 2-10: Particular re	Gr 7
PDF 14p EN	97.040.50
Deals with the safety of electric food waste disposers for household and similar Am 1(International), 2009-10-23	purposes, their rated voltage being not more than 250 V.
SANS 60335-2-17:2008 / IEC 60335-2-17:2006	
Household and similar electrical appliances - Safety Part 2-17: Particular re appliances	equirements for blankets, pads and similar flexible heating
Ed 2.01 A4 57p EN	Gr 13
PDF 5/p EN	13.120; 97.030
Deals with the safety of electric blankets, pads and other flexible appliances that their rated voltage being not more than 250 V. Also applies to control units supp Am 1(International), 2008-11-28	heat the bed or human body, for household and similar purposes, lied with the appliance.
SANS 60335-2-21:2000	
Safety of household and similar electrical appliances Part 2-21: Particular	requirements for storage water heaters
Ed 1.00 A4 28p EN	Gr 10
PDF 28p EN	91.140.65
IEC 60335-2-21:1997, MOD	en en en en el l'altre el el face la cella en contra la clara la d'una
Deals with the safety of electric storage water heaters for household and similar temperature, their rated voltage being not more than 250 V for single-phase app intended to be used by laymen in shops, in light industry and on farms. Deals we encountered by all persons in and around the home.	purposes and intended for neating water below boiling liances and 480 V for other appliances. Covers appliances ith the common hazards presented by appliances which are
SANS 60335-2-23:2008 / IEC 60335-2-23:2008 (SABS IEC 60335-2-23)	
Household and similar electrical appliances - Safety Part 2-23: Particular re	equirements for appliances for skin or hair care
Ed 3.01 A4 23p EN	Gr 10
Deals with the safety of electric appliances for the care of skin or hair of persons	or animals and intended for household and similar purposes, their
Cor 1(International), 2005-03-18 Am 1(International), 2008-06-27	Cor 2(International), 2008-06-27

SANS 60335-2-24:2010 / IEC 60335-2-24:2010	
(SABS IEC 60335-2-24)	wiroments for refrigerating appliances ice-program
appliances and ice-makers	function of reingerating appliances, ice-cream
Ed 5.00 A4 57p EN PDF 57p EN	Gr 13
Deals with the safety of refrigerating appliances, ice-cream appliances and ice-ma phase appliances, 480 V for other appliances and 24 V d.c for appliances when b	akers, their rated voltage being not more than 250 V for single- attery operated.
SANS 60335-2-25:2011 / IEC 60335-2-25:2010	
Household and similar electrical appliances - Safety Part 2-25: Particular rec microwave overs	uirements for microwave ovens, including combination
Ed 4.00 A4 32p EN PDE 32p EN	Gr 11
Deals with the safety of microwave ovens for household and similar use, their rate combination microwave ovens and microwave ovens intended to be used on boar	ed voltage being not more than 250 V. Also deals with d ships.
SANS 60335-2-26:2009 / IEC 60335-2-26:2008	
Household and similar electrical appliances - Safety Part 2-26: Particular rec	uirements for clocks
Ed 3.01 A4 12p EN	Gr 7
PDF 12p EN	39.040.20
Deals with the safety of electric clocks that have a rated voltage of not more than Am 1(International), 2009-05-15	250 V.
SANS 60335-2-27:2010 / IEC 60335-2-27:2009	
(SABS IEC 60335-2-27)	
Household and similar electrical appliances - Safety Part 2-27: Particular rec and infrared radiation	uirements for appliances for skin exposure to ultraviolet
Ed 4.00 A4 34p EN	Gr 11
PDF 34p EN	13.120; 97.170
Deals with the safety of electrical appliances incorporating emitters for exposing the similar use, their rated voltage being not more than 250 V for single-phase appliances appliances.	he skin to ultraviolet or infrared radiation, for household and nces and 480 V for other appliances.
SANS 60335-2-28:2009 / IEC 60335-2-28:2008 (SABS IEC 60335-2-28)	
Household and similar electrical appliances - Safety Part 2-28: Particular rec	uirements for sewing machines
Ed 3.01 A4 13p EN	Gr 7
	61.080; 97.180
Deals with the safety of electric sewing machines for household and similar use, t appliances and 480 V for other appliances. Overlock machines and electrical sets Am 1(International), 2009-08-14	heir rated voltage being not more than 250 V for single-phase are within the scope of the standard.
SANS 60335-2-29:2010 / IEC 60335-2-29:2010	
(SABS IEC 60335-2-29) Household and similar electrical appliances - Safety Part 2-29: Particular rec	wirements for hattery chargers
Ed 3.02 A4 22p EN	Gr 9
PDF 22p EN	29.200; 97.180
Deals with the safety of electric battery chargers for household and similar use habeing not more than 250 V.	ving an output at safety extra-low voltage, their rated voltage
Am 1(International), 2005-04-08 Am 2(International), 2010-12-03	
SANS 60335-2-30:2008 / IEC 60335-2-30:2004 (SABS IEC 60335-2-30)	
Household and similar electrical appliances - Safety Part 2-30: Particular rec	uirements for room heaters
Ed 3.02 A4 30p EN	Gr 10
Deals with the safety of electric room heaters for household and similar purposes	97.100.10 their rated voltage being not more than 250 V for single-phase.
appliances and 480 V for other appliances. Am 1(International), 2005-02-18 Am 2(International), 2008-04-11	

SANS 60335-2-31:2009 / IEC 60335-2-31:2009 (SABS IEC 60335-2-31) Household and similar electrical appliances - Safety Part 2-31: Particular reg	uirements for range boods and other cooking fume	
extractors	unements for range hoods and other cooking fume	
Ed 3.02 A4 16p EN PDF 16p EN	Gr 8 97.040.20	
Deals with the safety of electric range hoods and other cooking fume extractors in cooking ranges, hobs and similar cooking appliances, their rated voltage being mot Am 1(International), 2009-10-09 Am 2(International), 2009-10-09	tended for installing above, beside, behind or under household bre than 250 V.	
SANS 60335-2-32:2008 / IEC 60335-2-32:2008		
(SABS IEC 60335-2-32) Household and similar electrical appliances - Safety Part 2-32: Particular reg	uiraments for massage annliances	
Fd 3.01 A4 14p EN	Gr 7	
PDF 14p EN	97.170	
Deals with the safety of electric massage appliances for household and similar puphase appliances and 480 V for other appliances. Am 1(International), 2008-06-27	rposes, their rated voltage being not more than 250 V for single-	
SANS 60335-2-34:2009 / IEC 60335-2-34:2009 (SARS IEC 60335-2-34)		
Household and similar electrical appliances - Safety Part 2-34: Particular reg	uirements for motor-compressors	
Ed 4.02 A4 30p EN PDF 30p EN	Gr 10 23.140	
Deals with the safety of sealed (hermetic and semi-hermetic type) motor-compressors, their protection and control systems, if any, which are intended for use in equipment for household and similar purposes and which conform with the standards applicable to such equipment. Applies to motor-compressors tested separately, under the most severe conditions that may be expected to occur in normal use, their rated voltage being not more than 250 V for single-phase motor-compressors and 480 V for other motor-compressors.		
SANS 60335-2-35:2011 / IEC 60335-2-35:2010		
(SABS IEC 60335-2-35)		
Household and similar electrical appliances - Safety Part 2-35: Particular req	uirements for instantaneous water heaters	
Ed 3.02 A4 25p EN	Gr 10	
PDF 25p EN 91.140.65 Deals with the safety of electric instantaneous water heaters for household and similar purposes and intended for heating water below boiling temperature, their rated voltage being not more 250 V for single-phase appliances and 480 V for other appliances.		
Am 1(International), 2007-04-13 Cor 1(International), 2011-02-24	Am 2(International), 2011-02-24	
SANS 60335-2-36:2010 / IEC 60335-2-36:2008 (SABS IEC 60335-2-36)		
Household and similar electrical appliances - Safety Part 2-36: Particular req ovens, hobs and hob elements	uirements for commercial electric cooking ranges,	
Ed 4.02 A4 29p EN	Gr 10	
PDF 29p EN	97.040.20	
Deals with the safety of electrically operated commercial cooking and baking rang intended for household use, their rated voltage being not more than 250 V for sing and 480 V for other appliances.	es, ovens, hobs, hob elements and similar appliances not le-phase appliances connected between one phase and neutral	
Am 1(International), 2006-09-01 Am 2(International), 2010-02-12		
SANS 60335-2-37:2009 / IEC 60335-2-37:2008 (SABS IEC 60335-2-37)		
Household and similar electrical appliances - Safety Part 2-37: Particular req	Cr. 10	
PDF 24p EN	97 040 20: 97 040 50	
Deals with the safety of electrically operated commercial deep fat fryers including voltage being not more than 250 V for single-phase appliances connected betwee Am 1(International), 2009-02-27	pressurized types not intended for household use, their rated n one phase and neutral and 480 V for other appliances.	
SANS 60335-2-38:2009 / IEC 60335-2-38:2008		
Household and similar electrical appliances - Safety Part 2-38: Particular requirements for commercial electric griddles and griddle arille		
Ed 4.01 A4 23p EN	Gr 10	
PDF 23p EN	97.040.20	
Deals with the safety of electrically operated commercial griddles and griddle grills more than 250 V for single-phase appliances connected between one phase and	not intended for household use, their rated voltage being not neutral and 480 V for other appliances.	

Am 1(International), 2009-07-10

Standards South Africa Catalogue 2013

SANS 60335-2-39:2009 / IEC 60335-2-39:2008	
Household and similar electrical appliances - Safety Part 2-39: Particular req	uirements for commercial electric multi-purpose cooking
	Cr 0
PDF 21p EN	97.040.20
Deals with the safety of electrically operated commercial multi-purpose cooking parameter than 250 V for single-phase appliances connected between one phase and Am 1(International), 2006-08-25 Am 2(International), 2009-07-17	ans not intended for household use, their rated voltage being not neutral and 480 V for other appliances.
SANS 60335-2-40:2006 / IEC 60335-2-40:2005	
(SABS IEC 60335-2-40)	
Household and similar electrical appliances - Safety Part 2-40: Particular req	uirements for electrical heat pumps, air conditioners and
Ed 3.02 A4 67p EN	Gr 14
PDF 67p EN	23.120; 27.080
Applies to the safety of electric heat pumps, including sanitary hot water heat pum compressors and hydronic room fan coils, their maximum rated voltages being no other appliances. Also applies to electric heat pumps, air conditioners and dehum Am 1(International), 2006-09-01 Cor 1 on Am 1(International), 2006-09-09-01	nps, air conditioners, and dehumidifiers incorporating motor- t more than 250 V for single-phase appliances and 600 V for all idifiers that contain flammable refrigerant. 01 Am 2(International), 2006-09-01
SANS 60335-2-41:2010 / IEC 60335-2-41:2010	
(SABS IEC 60335-2-41)	
Household and similar electrical appliances - Safety Part 2-41: Particular req	uirements for pumps
PDF 18p EN	Gr 8 23.080
Deals with safety of electric pumps for liquids having a temperature not exceeding purposes, their rated voltage being not more than 250 V for single-phase applianc	90 degrees celcius, intended for household and similar es and 480 V for other appliances.
SANS 60335-2-42:2010 / IEC 60335-2-42:2009 (SABS IEC 60335-2-42) Household and similar electrical appliances - Safety Part 2-42: Particular reg	uirements for commercial electric forced convection
ovens, steam cookers and steam-convection ovens	
Ed 4.01 A4 26p EN PDF 26p EN	Gr 10 97.040.20
Deals with the safety of electrically operated commercial forced convection ovens other use, steam generators, not intended for household use, their rated voltage b between one phase and neutral and 480 V for other appliances. Am 1(International), 2010-04-16	, steam cookers, steam-convection ovens and, exclusive of any being not more than 250 V for single-phase appliances connected
SANS 60335-2-43:2009 / IEC 60335-2-43:2008 (SABS IEC 60335-2-43)	
Household and similar electrical appliances - Safety Part 2-43: Particular req	uirements for clothes dryers and towel rails
Ed 3.02 A4 14p EN	Gr 7
PDF 14p EN	97.060
Deals with the safety of electric clothes dryers for drying textiles on racks located similar purposes, their rated voltage being not more than 250 V.	in a warm airflow and to electric towel rails, for household and
Am 1(International), 2008-11-07 Am 2(International), 2009-07-24	
SANS 60335-2-44:2009 / IEC 60335-2-44:2009 (SABS IEC 60335-2-44)	
Household and similar electrical appliances - Safety Part 2-44: Particular req	uirements for ironers
Ed 3.01 A4 16p EN PDF 16p EN	Gr 8 97.060
Deals with the safety of electric ironers for household and similar purposes, their r appliances and 480 V for other appliances. Am 1(International), 2009-10-09	ated voltage being not more than 250 V for single-phase
SANS 60335-2-45:2009 / IEC 60335-2-45:2008	
(SABS IEC 60335-2-45) Household and similar electrical appliances - Safety Part 2-45: Particular req	uirements for portable heating tools and similar
appliances	
Ed 3.01 A4 21p EN PDF 21p EN	Gr 9 13 120: 25 140 20
Deals with the safety of portable electric heating tools and similar appliances, thei Am 1(International), 2009-11-06	r rated voltage being not more that 250 V.

Standards South Africa Catalogue 2013 NUM - 735

Deals with the safety of electrically operated commercial boiling pans not intended for household use, their rated voltage being not more that 250 V

Gr 9

97.040.20

SANS 60335-2-47:2009 / IEC 60335-2-47:2008 (SABS IEC 60335-2-47)

for single-phase appliances connected between one phas canteens, hospitals and commercial enterprises such as l	e and neutral, and 480 V for other appliances. Used, for example, in restaurants, bakeries, butcheries, etc.
Am 1(International), 2009-10-23	
SANS 60335-2-48:2009 / IEC 60335-2-48:2008	
(SABS IEC 60335-2-48)	
Household and similar electrical appliances - Safety F	Part 2-48: Particular requirements for commercial electric grillers and toasters
Ed 4.01 A4 20p EN	Gr 9
PDF 20p EN	97.040.20; 97.040.50
Deals with the safety of electrically operated commercial	grillers and toasters not intended for household use, their rated voltage being not m

Household and similar electrical appliances - Safety Part 2-47: Particular requirements for commercial electric boiling pans

more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances. Applies to rotary or continuous grillers and toasters and similar appliances intended for grilling by radiant heat such as rotisseries and salamanders. Am 1(International), 2009-02-13

SANS 60335-2-49:2009 / IEC 60335-2-49:2008

(SABS IEC 60335-2-49)

Ed 4.01 A4 22p EN

PDF 22p EN

Household and similar electrical appliances - Safety Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm

Ed 4.01 A4 26p EN PDF 26p EN

Deals with the safety of electrically operated commercial appliances for keeping food and crockery warm not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 840 V for other appliances. Applies to hot cupboards, with or without heated tops, heated tops, heated display cases, heated crockery dispensers, heated tables and radiant heaters.

Am 1(International), 2009-02-13

SANS 60335-2-50:2008 / IEC 60335-2-50:2008

(SABS IEC 60335-2-50) Household and similar electrical appliances - Safety Part 2-50: Particular requirements for commercial electric bains-marie Ed 4.01 A4 21p EN Gr 9 PDF 21p EN

Deals with the safety of electrically operated commercial bains-marie not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances. Also covers the electrical part of appliances making use of other forms of energy.

Am 1(International), 2008-07-04

SANS 60335-2-51:2009 / IEC 60335-2-51:2008

(SABS IEC 60335-2-51)

Household and similar electrical appliances - Safety Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations

Ed 3.01	A4 13p EN	Gr 7
	PDF 13p EN	23.080; 91.140.10

Deals with the safety of electric stationary circulation pumps intended for use in heating systems or in service water systems, having a rated power input not exceeding 300 W, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Deals with the common hazards presented by appliances that are encountered by all persons in and around the home.

Am 1(International), 2009-03-20

SANS 60335-2-52:2009 / IEC 60335-2-52:2008

(SABS IEC 60335-2-52)

Household and similar electrical appliances - Safety Part 2-52: Particular requirements for oral hygiene appliances

Ed 3.01 A4 12p EN PDF 12p EN

Deals with the safety of electric oral hygiene appliances for household and similar purposes, their rated voltage being not more than 250 V. Am 1(International), 2009-04-03

SANS 60335-2-53:2012 / IEC 60335-2-53:2011

(SABS IEC 60335-2-53)

Household and similar electrical appliances - Safety Part 2-53: Particular requirements for sauna heating appliances and infrared cabins Gr 11

Ed 4.00 A4 31p EN PDF 31p EN

Deals with the safety of electric sauna heating appliances and infrared emitting units having a rated power input not exceeding 20 kW, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.

Standards South Africa Catalogue 2013

97.040.50

Gr 7

97.170

97.100.01

Gr 10

97.040.50

PDF 22p EN	97.100.10	
Deals with the safety of electric thermal-storage room are located, their rated voltage being not more than 25 Am 1(International), 2007-03-30 Am 2(Intern	heaters for household and similar purposes that are intended to heat the room 50 V for single-phase appliances and 480 V for other appliances. ational), 2010-02-05	in which they
Standar	ds South Africa Catalogue 2013	

Gr 10

97.020: 97.080

13.120; 97.180

SANS 60335-2-54:2009 / IEC 60335-2-54:2008 (SABS IEC 60335-2-54) Household and similar electrical appliances - Safety Part 2-54: Particular requirements for surface-cleaning appliances for household

Deals with the safety of electric appliances for use with aquariums and garden ponds for household and similar purposes, their rated voltage being not more than 250 V. Also covers appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops and in light industry and farms. Am 1(International), 2009-03-20 SANS 60335-2-56:2009 / IEC 60335-2-56:2008 (SABS IEC 60335-2-56) Household and similar electrical appliances - Safety Part 2-56: Particular requirements for projectors and similar appliances Ed 3.01 A4 21p EN Gr 9 PDF 21p EN 37.040.10; 37.060.10 Deals with the safety of electric projectors and similar appliances for household and similar purposes, their rated voltage being not more than 250 V. Covers appliances not intended for normal household use, but which nevertheless may be a source of danger to the public, such as appliances intended for use by laymen in schools, offices, shops and similar locations. Am 1(International), 2009-07-17 SANS 60335-2-58:2009 / IEC 60335-2-58:2008 (SABS IEC 60335-2-58) Household and similar electrical appliances - Safety Part 2-58: Particular requirements for commercial electric dishwashing machines Ed 3.01 A4 34p EN Gr 11 PDF 34p EN 97.040.40 Deals with the safety of electrically operated dishwashing machines for washing plates, dishes, glassware, cutlery and similar articles, with or without means for water heating or drying, not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances. Am 1(International), 2009-02-20 SANS 60335-2-59:2003 / IEC 60335-2-59:2002 (2008-12-12) (SABS IEC 60335-2-59) Household and similar electrical appliances - Safety Part 2-59: Particular requirements for insect killers Ed 3.00 A4 15p EN Gr 8 PDF 15p EN 97.030 Deals with the safety of electric insect killers for household and similar purposes, their rated voltage being not more than 250 V. SANS 60335-2-60:2009 / IEC 60335-2-60:2008 (SABS IEC 60335-2-60) Household and similar electrical appliances - Safety Part 2-60: Particular requirements for whirlpool baths and whirlpool spas Ed 3.02 A4 16p EN Gr 8 PDF 16p EN 97,170 Deals with the safety of electric whirlpool baths for indoor use and whirlpool spas, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Also applies to appliances for circulating air or water in conventional baths. Am 1(International), 2006-09-01 Am 2(International), 2009-07-24 SANS 60335-2-61:2010 / IEC 60335-2-61:2009 (SABS IEC 60335-2-61) Household and similar electrical appliances - Safety Part 2-61: Particular requirements for thermal storage room heaters Ed 2.02 A4 22p EN Gr Q

Deals with the safety of electric cleaning appliances for household use that are intended for cleaning surfaces such as windows, walls and empty swimming pools by using liquid cleansing agents or steam, their rated voltage being not more than 250 V. Also covers wallpaper strippers.

SANS 60335-2-55:2009 / IEC 60335-2-55:2008

(SABS IEC 60335-2-55)

Ed 4.00 A4 23p EN

use employing liquids or steam

PDF 23p EN

Household and similar electrical appliances - Safety Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds Gr 8

Ed 3.01 A4 15p EN PDF 15p EN

PDF 22p EN

NUM - 737

SANS 60335-2-62:2008 / IEC 60335-2-62:2008 (SABS IEC 60335-2-62)

Household and similar electrical appliances - Safety Part 2-62: Particular requ	irements for commercial electric rinsing sinks
Ed 3.01 A4 19p EN	Gr 9
PDF 19p EN	97.040.40
Deals with the safety of electrically operated commercial rinsing sinks not intended V for single-phase appliances connected between one phase and neutral, and 480 Am 1(International), 2008-10-24	for household use, their rated voltage being not more than 250 V for other appliances.
SANS 60335-2-64:2008 / IEC 60335-2-64:2008 (SABS IEC 60335-2-64)	
Household and similar electrical appliances - Safety Part 2-64: Particular requ	irements for commercial electric kitchen machines
Ed 3.01 A4 29p EN PDF 29p EN	Gr 10 97.040.50
Deals with the safety of electrically operated commercial kitchen machines not inte 250 V for single phase appliances connected between one phase and neutral, and appliances that make use of other forms of energy. Am 1(International), 2008-08-29	nded for household use, their rated voltage being not more than 480 V for other appliances. Includes the electrical part of
SANS 60335-2-65:2009 / IEC 60335-2-65:2008 (SABS IEC 60335-2-65)	
Household and similar electrical appliances - Safety Part 2-65: Particular requ	irements for air-cleaning appliances
Ed 2.01 A4 13p EN	Gr 7
PDF 13p EN	23.120
Deals with the safety of electric air-cleaning appliances for household and similar p single-phase appliances and 480 V for other appliances. Cor 1(International), 2005-03-18 Am 1(International), 2009-07-24	urposes, their rated voltage being not more than 250 V for
CANC 60225 2 66:0000 / IEC 60225 2 66:0000	
(SABS IEC 60335-2-66)	
Household and similar electrical appliances - Safety Part 2-66: Particular requ	irements for water-bed heaters
Ed 2.01 A4 17p EN	Gr 8
PDF 17p EN	97.030
Deals with the safety of electric water-bed heaters and their associated control unit not more than 250 V.	s, for household and similar purposes, their rated voltage being
Cor 1(International), 2005-03-18 Am 1(International), 2009-10-09	
SANS 60335-2-67:2003 / IEC 60335-2-67:2002 (2008-12-12) (SABS IEC 60335-2-67)	
Household and similar electrical appliances - Safety Part 2-67: Particular required machines, for industrial and commercial use	irements for floor treatment and floor cleaning
Ed 3.00 A4 49p EN	Gr 12
PDF 49p EN	97.080
Deals with the safety of electric motor-operated appliances primarily designed for in including appliances incorporating wet and/or dry suction, their rated voltage being other appliances. Such appliances may be used for floor polishing (including waxin shampooing. Appliances incorporating wet and/or dry suction shall also meet the a	ndustrial and commercial use, with or without attachments, not more than 250 V for single-phase appliances and 480 V for g and buffing), scrubbing and grinding, scarifying and carpet ppropriate requirements for industrial vacuum cleaners.
SANS 60335-2-68:2007 / IEC 60335-2-68:2007 (SABS IEC 60335-2-68)	
Household and similar electrical appliances - Safety Part 2-68: Particular requ	irements for spray extraction appliances, for industrial

and commercial use Ed 3.02 A4 27p EN PDF 27p EN

Gr 10 97.080

Deals with the safety of electrical portable, motor-operated spray extraction appliances and electrical attachments intended for industrial and commercial use, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. These appliances employ water-based cleaning agents and are used for cleaning fabrics, upholstery, carpets, floor coverings or hard surfaces. Am 2(International), 2007-06-08

Am 1(International), 2007-06-08

(SABS IEC 60335-2-70) Household and similar electrical appliances - Safety Part 2-70: Particular requirements for milking machines Ed 2.01 A4 18p EN Gr 8 PDF 18p EN 65.040.10 Deals with the safety of milking machines to be used in stalls and in the open, that are designed for milking farm animals, such as cows, the rated voltage of the milking machine being not more than 250 V for single-phase operation and 480 V for other operations. Am 1(International), 2007-08-24 SANS 60335-2-71:2007 / IEC 60335-2-71:2007 (SABS IEC 60335-2-71) Household and similar electrical appliances - Safety Part 2-71: Particular requirements for electrical heating appliances for breeding and rearing animals Ed 2.01 A4 18p EN Gr 8 PDF 18p EN 29.020; 65.020.30 Deals with the safety of all kinds of electrical heating appliances used for livestock rearing and breeding, such as heat-radiating appliances, electrical sitting-hens, incubators, chicken breeding units and heating plates for animals, the rated voltage of the appliances being not more than 250 V for single-phase appliances and 480 V for other appliances. Am 1(International), 2007-08-24 SANS 60335-2-72:2003 / IEC 60335-2-72:2002 (2008-12-12) (SABS IEC 60335-2-72) Household and similar electrical appliances - Safety Part 2-72: Particular requirements for automatic machines for floor treatment for commercial and industrial use Ed 2.00 A4 23p EN Gr 9 PDF 23p EN 97.080 Deals with the safety of mains or battery-supplied portable combined machines, with or without a built-in battery charger, having a chassis with or without traction drive, intended for commercial and industrial use indoors or outdoors for dry or wet treatment of hard floors or of floors with carpeting. SANS 60335-2-73:2003 / IEC 60335-2-73:2002 (2008-12-12) (SABS IEC 60335-2-73) Household and similar electrical appliances - Safety Part 2-73: Particular requirements for fixed immersion heaters Ed 2.00 A4 11p EN Gr 7 PDF 11p EN 91.140.65 Deals with the safety of fixed electric immersion heaters for household and similar purposes that are intended for installation in a water tank for heating water to a temperature below its boiling point. The rated voltage is not more than 250 V for single-phase appliances and 480 V for other appliances. SANS 60335-2-74:2003 / IEC 60335-2-74:2002 (2008-12-12) (SABS IEC 60335-2-74) Household and similar electrical appliances - Safety Part 2-74: Particular requirements for portable immersion heaters Ed 2.00 A4 11p EN Gr 7 PDF 11p EN 97.040.50 Deals with the safety of portable electric immersion heaters for household and similar purposes, their rated voltage being not more than 250 V. SANS 60335-2-75:2009 / IEC 60335-2-75:2009 (SABS IEC 60335-2-75) Household and similar electrical appliances - Safety Part 2-75: Particular requirements for commercial dispensing appliances and vending machines Ed 2.02 A4 31p EN Gr 11 PDF 31p EN 55.230: 97.130.20 Deals with the safety of electric commercial dispensing appliances and vending machines for preparation or delivery of food, drinks and consumer products, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Am 1(International), 2006-07-21 Am 2(International), 2009-10-09

other appliances. Also applies to machines handling hazardous dust and appliances that make use of other forms of energy. Am 1(International), 2006-09-15 Am 2(International), 2008-07-18

SANS 60335-2-70:2007 / IEC 60335-2-70:2007

SANS 60335-2-69:2008 / IEC 60335-2-69:2008

power brush, for industrial and commercial use

(SABS IEC 60335-2-69)

Ed 3.02 A4 60p EN

PDF 60p EN

NUMERICAL LIST OF STANDARDS

Household and similar electrical appliances - Safety Part 2-69: Particular requirements for wet and dry vacuum cleaners, including

Gr 14 97.080

Deals with the safety of electrical motor-operated vacuum cleaners and includes appliances and stationary equipment specifically designed for wet suction, dry suction, or wet and dry suction for industrial and commercial use with or without attachments, for example for suction to withdraw dust or the like from work benches and production machines, their rated voltage being not more than 250 V for single-phase appliances and 480 V for

SANS 60335-2-76:2006 / IEC 60335-2-76:2006 (SABS IEC 60335-2-76) Household and similar electrical appliances - Safety Part 2-76: Particular required 2.01 A4 47p EN	uirements for electric fence energizers Gr 12	
PDF 47p EN Deals with the safety of electric fence energizers, the rated voltage of which is not agricultural, domestic or feral animal control fences and security fences may be ele	65.040.99 more than 250 V and by means of which fence wires in ectrified or monitored.	
Am 1(International), 2006-09-08		
SANS 60335-2-77:2006 (SABS 60335-2-77) Safety of household and similar electrical appliances Part 2-77: Particular red	quirements for pedestrian controlled mains-operated	
lawnmowers Ed. 1.01 A4 54p EN	Gr 13	
PDF 54p EN	65.060.70	
IEC 60335-2-77:1996, MOD Deals with the safety of pedestrian controlled mains-operated electrical, cylinder or or for similar purposes, their rated voltage being not more than 250 V single phase Am 1(National), 2006-11-24	r rotary lawnmowers designed primarily for use around the home	
SANS 60335-2-78:2009 / IEC 60335-2-78:2008 (SABS IEC 60335-2-78)		
Household and similar electrical appliances - Safety Part 2-78: Particular required 2.01 A4 14p EN PDF 14p EN	uirements for outdoor barbecues Gr 7 97.040.20	
Deals with the safety of outdoor barbecues for household and similar use, their rat Am 1(International), 2009-11-06	ed voltage being not more than 250 V.	
SANS 60335-2-79:2008 / IEC 60335-2-79:2007 (SABS IEC 60335-2-79) Household and similar electrical appliances - Safety Part 2-79: Particular required 2.02 A4 45p EN	uirements for high pressure cleaners and steam cleaners Gr 12	
Deals with the safety of high pressure cleaners for household, industrial and comm more than 25 MPa and with an input to the drive for the high pressure pump not ex- single-phase appliances and 480V for other appliances. Also applies to cleaners the other forms of energy for the motor. Am 1(International), 2006-07-21 Am 2(International), 2008-02-29	97.080 nercial use that have a pressure not less than 2,5 MPa and not cceeding 10 kW their rated voltage being not more that 250 V for nat have a water container and to appliances that make use of	
SANS 60335-2-80:2009 / IEC 60335-2-80:2008 (SABS IEC 60335-2-80)		
Household and similar electrical appliances - Safety Part 2-80: Particular req	uirements for fans	
PDF 16p EN	23.120	
Deals with the safety of electric fans for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Includes ceiling fans, duct fans, partition fans, pedestal fans and table fans. Also includes appliances not intended for normal household use that may pose a danger to the public, e.g. appliances used in shops, the lighting industry and in agriculture. Does not cover fans incorporated in other appliances, appliances used for industrial purposes or used in locations were special conditions prevail, e.g. corrosive or explosive atmospheres. Am 1(International), 2004-08-20 Am 2(International), 2009-08-14		
SANS 60335-2-81:2007 / IEC 60335-2-81:2007		
(SABS IEC 60335-2-81) Household and similar electrical appliances - Safety Part 2-81: Particular req	uirements for foot warmers and heating mats	
Ed 2.01 A4 22p EN PDF 22p EN	Gr 9 97 030	
Deals with the safety of electric foot warmers and heating mats for household and Am 1(International), 2007-06-08	similar purposes, their rated voltage being not more than 250 V.	
SANS 60335-2-82:2009 / IEC 60335-2-82:2008 (SABS IEC 60335-2-82) Household and similar electrical appliances - Safety Part 2-82: Particular requestrice machines	uirements for amusement machines and personal	
Ed 2.01 A4 20p EN PDF 20p EN	Gr 9 97.200.99	
Deals with the safety of electric commercial amusement machines and personal so for single-phase appliances and 480 V for other appliances. Am 1(International), 2009-08-07	ervice machines, their rated voltage being not more than 250 V	
Standards South Africa Catalogue 2	2013	

SANS 60335-2-83:2009 / IEC 60335-2-83:2008

Household and similar electrical appliances - Safety Part 2-83: Particular requirements for heated gullies for roof drainage Ed 1.01 A4 12p EN Gr 7

PDF 12p EN

Deals with the safety of electrically heated gullies for de-icing the inlet of the drainage system of flat roofs, balconies, and similar structures, their rated voltage being not more than 250 V. Am 1(International), 2009-07-24

SANS 60335-2-84:2009 / IEC 60335-2-84:2008

(SABS IEC 60335-2-84)

Household and similar electrical appliances - Safety Part 2-84: Particular requirements for toilets

Ed 2.01 A4 21p EN PDF 21p EN

Deals with the safety of electric toilets in which excrement is stored, dried or destructed, their rated voltage being not more than 250 V. Cor 1(International), 2004-05-28 Am 1(International), 2009-08-07

SANS 60335-2-85:2009 / IEC 60335-2-85:2008 (SABS IEC 60335-2-85)

Household and similar electrical appliances - Safety Part 2-85: Particular requirements for fabric steamers

Ed	2.01	A4 14p EN
		PDF 14p EN

Deals with the safety of electric fabric steamers intended for household and similar purposes, their rated voltage being not more than 250 V. Am 1(International), 2009-08-07

SANS 60335-2-86:2003 / IEC 60335-2-86:2002 (2008-12-12) (SABS IEC 60335-2-86)

Household and similar electrical appliances - Safety Part 2-86: Particular requirements for electric fishing machines

Ed 2.00 A4 19p EN PDF 19p EN

Deals with the safety of electric fishing machines by means of which water may be electrified for the purpose of catching fish or for providing barriers to all animals living in water. The rated voltage of portable electric fishing machines is not more than 250 V and the rated voltage of fixed electric fishing machines for permanent connection to fixed wiring is not more than 1 000 V.

SANS 60335-2-87:2008 / IEC 60335-2-87:2007

(SABS IEC 60335-2-87)

Household and similar electrical appliances - Safety Part 2-87: Particular requirements for electrical animal-stunning equipment Ed 2.01 A4 22p EN Gr 9

PDF 22p EN

Deals with the safety of electric animal-stunning equipment of rated voltage not exceeding 250 V for single-phase appliances and 480 V for other appliances. Applicable to electric animal-stunning equipment for industrial or commercial use, for use on farms or in areas where they may be a source of danger to the public.

Am 1(International), 2008-04-11

SANS 60335-2-88:2003 / IEC 60335-2-88:2002 (2008-12-12)

(SABS IEC 60335-2-88)

Household and similar electrical appliances - Safety Part 2-88: Particular requirements for humidifiers intended for use with heating, ventilation, or air-conditioning systems

Ed 2.00 A4 18p EN PDF 18p EN

Deals with the safety of electric humidifiers intended for use with heating, ventilation, or air-conditioning systems in household, commercial, and light industrial applications (and may include large stand-alone commercial equipment) which operate according to the evaporative or atomization system, water-injection, steam and the like, their maximum rated voltage being not more than 250 V for single-phase appliances and 600 V for all other appliances.

SANS 60335-2-89:2010 / IEC 60335-2-89:2010

Household and similar electrical appliances - Safety Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor

Ed 2.00 A4 43p EN PDF 43p EN

Specifies safety requirements for electrically operated commercial refrigerating appliances that have an incorporated commpressor or that are supplied in two units for assembly as a single appliance in accordance with the manufacturer's instructions (split system).

65.060.99

Gr 8

91.140.70

Gr 7 97.060

Gr 9 65.150

91.140.30; 97.030

Gr 12

97.130.20

91.060.20; 97.030

Gr 9

SANS 60335-2-90:2004 / IEC 60335-2- (SABS IEC 60335-2-90) Household and similar electrical app	90:2003 (2008-12-12) liances - Safety Part 2-90: Particular req	uirements for commercial microwave ovens	
Ed 2.00 A4 26p EN PDF 26p EN		Gr 10 97.040.20	
Deals with the safety of microwave over connected between one phase and neu to the cavity. Am 1(International) 2004-03-05	eals with the safety of microwave ovens intended for commercial use, the rated voltage being not more than 250 V for single-phase appliances onnected between one phase and neutral and 480 V for other appliances. Appliances covered by this standard incorporate a door for user access of the cavity.		
(SABS IEC 60335-2-91) Household and similar electrical app	liances - Safety Part 2-91: Particular req	uirements for walk-behind and hand-held lawn trimmers	
and lawn edge trimmers Ed 3.00 A4 45p EN		Gr 12	
PDF 45p EN		65.060.70	
Deals with the safety of electric powered filament line or freely pivoting non-meta their rated voltage being not more than	Deals with the safety of electric powered walk-behind and hand-held lawn trimmers and lawn edge trimmers, with cutting element(s) of non-metallic filament line or freely pivoting non-metallic cutter(s), with a kinetic energy of not more than 10 J each, used by a standing operator for cutting grass, their rated voltage being not more than 250 V for a.c. or 50 V d.c.		
SANS 60335-2-92:2003 / IEC 60335-2- (SABS IEC 60335-2-92)	92:2002 (2008-12-12)		
Household and similar electrical app scarifiers and aerators	liances - Safety Part 2-92: Particular req	uirements for pedestrian-controlled mains-operated lawn	
Ed 2.00 A4 44p EN PDF 44p EN		Gr 12 65.060.70	
Deals with the safety of pedestrian-controlled mains-operated electrical lawn scarifiers and aerators with rotating cutters for regenerating lawns by, for instance, combing out grass thatch and moss, or by cutting vertically into the lawn face. Designed primarily for use at and around the home or for similar purposes, their rated voltage being not more than 250 V single phase.			
SANS 60335-2-94:2008 / IEC 60335-2-	94:2008		
(SABS IEC 60335-2-94) Household and similar electrical app	liances - Safety Part 2-94: Particular req	uirements for scissors type grass shears	
Ed 3.00 A4 43p EN PDF 43p EN		Gr 12 65 060 70	
Deals with electric powered hand-held scissors type grass shears with a maximum cutting width of 200 mm designed primarily for cutting grass, their rated voltage being not more than 250 V for a.c. or 50 V d.c.			
SANS 60335-2-95:2012 / IEC 60335-2- (SABS IEC 60335-2-95)	95:2011		
Household and similar electrical app for residential use	liances - Safety Part 2-95: Particular req	uirements for drives for vertically moving garage doors	
Ed 3.00 A4 24p EN PDF 24p EN		Gr 10 29.120.01; 91.090	
Covers the safety of electric drives for garage doors for residential use that open and close in a vertical direction, the rated voltage of the drives being not more than 250 V for single-phase appliances and 480 V for other appliances. Also covers the hazards associated with the movement of these electrically driven garage doors.			
SANS 60335-2-96:2009 / IEC 60335-2-	96:2008		
Household and similar electrical app heating	liances - Safety Part 2-96: Particular req	uirements for flexible sheet heating elements for room	
Ed 1.02 A4 40p EN PDF 40p EN		Gr 11 97.030; 97.100.10	
Deals with the safety of flexible sheet he their rated voltage being not more than Cor 1(International) 2004.02.06	eating elements intended to be incorporate 250 V for single-phase installations and 48 Am 1/(International) 2006-11-10	d into the building to heat the room in which they are located, 0 V for other installations. Am 2(International), 2009-08-07	
SANS 60335-2-97:2009 / IEC 60335-2-	97:2009	Am 2(mematonal), 2003-00-07	
(SABS IEC 60335-2-97) Household and similar electrical appliances - Safety Part 2-97: Particular requirements for drives for rolling shutters, awaines, blinds			
and similar equipment			
Ed 2.02 A4 19p EN PDF 19p EN		Gr 9 29.120.01; 91.060.50	
Deals with the safety of elecrtic drives for their rated voltage being not more than Am 1(International), 2006-07-21	or rolling equipment such as shutters, blinc 250 V for single-phase appliances and 480	ls and awnings, intended for household and similar purposes, V for other appliances.	
	/ L(momatonal), 2003-00-07		

Standards South Africa Catalogue 2013 NUM - 742
SANS 60335-2-98:2010 / IEC 60335-2-98:2008 (SABS IEC 60335-2-98) Household and similar electrical appliances - Safety Part 2-98: Particular requ	uirements for humidifiers
Ed 2.02 A4 14p EN	Gr 7
PDF 14p EN	97.030
Deals with the safety of electric humidifiers for household and similar use, their rate appliances and 480 V for other appliances. Am 1(International), 2005-06-03 Am 2(International), 2010-02-05	ed voltage being not more than 250 V for single-phase
SANS 60225-2-00-2002 / IEC 60225-2-00-2002 (2008-12-12)	
Household and similar electrical appliances - Safety Part 2-99: Particular regi	uirements for commercial electric hoods
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	97.040.20
Deals with the safety of electrically operated commercial hoods intended for install griddles, griddle grills and deep fat fryers, and not intended for household use, their hoods connected between one phase and neutral, and 480 V for other hoods.	ation above commercial cooking appliances such as ranges, r rated voltage being not more than 250 V for single phase
SANS 60335-2-100:2003 / IEC 60335-2-100:2002 (2008-12-12) Household and similar electrical appliances - Safety Part 2-100: Particular red blowers, vacuums and blower vacuums	quirements for hand-held mains-operated garden
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	65.060.70
Deals with the safety of hand-held mains-operated electrical garden vacuums and garden blowers for use at and around the home or for similar purposes.	garden blower/vacuums with or without shredding means and
SANS 60335-2-101:2009 / IEC 60335-2-101:2008	
Household and similar electrical appliances - Safety Part 2-101: Particular red	quirements for vaporizers
Ed 1.01 A4 14p EN	Gr 7
PDF 14p EN	97.030
Deals with the safety of electric vaporizers for household and similar purposes, the Am 1(International), 2009-07-17	ir rated voltage being not more than 250 V.
SANS 60335-2-102:2009 / IEC 60335-2-102:2008 Household and similar electrical appliances - Safety Part 2-102: Particular red having electrical connections	quirements for gas, oil and solid-fuel burning appliances
Ed 1.01 A4 16p EN	Gr 8
PDF 16p EN	97.100.01
Deals with the safety of gas, oil and solid-fuel burning appliances that have electric voltage being not more than 250 V for single-phase appliances and 480 V for other Am 1(International), 2009-09-11	al connections, for household and similar purposes, their rated r appliances.
SANS 60335-2-103:2003 / IEC 60335-2-103:2002 (2008-12-12)	
Household and similar electrical appliances - Safety Part 2-103: Particular red	quirements for drives for gates, doors and windows
Ed 1.00 A4 23p EN	Gr 10
PDF 23p EN	91.060.50
Deals with the safety of electric drives for horizontally and vertically moving gates, covers the hazards associated with the movement of the driven part.	doors and windows for household and similar purposes. It also
SANS 60335-2-104:2003 / IEC 60335-2-104:2003 (2008-12-12) Household and similar electrical appliances - Safety Part 2-104: Particular rec refrigerant from air conditioning and refrigeration equipment	quirements for appliances to recover and/or recycle
Ed 1.00 A4 43p EN	Gr 12
PDF 43p EN	13.030.50; 23.120
Deals with the safety of electrical appliances to recover and/or recycle refrigerant for open drive or motor compressors.	rom air conditioning and refrigeration equipment incorporating
SANS 60335-2-105:2008 / IEC 60335-2-105:2008 Household and similar electrical appliances - Safety Part 2-105: Particular rec	quirements for multifunctional shower cabinets
Ed 1.01 A4 18p EN	Gr 8
	91.140.70
Deals with the safety of electric multifunctional shower cabinets and electric separa purposes, their rated voltage being not more than 250 V for single-phase appliance Am 1(International), 2008-06-27	ate multifunctional shower units for household and similar es and 480 V for other appliances.

	NUMERICAL LIST OF S	STANDARDS				
SANS 60335-2-106:2007 / IEC 60335-2 Household and similar electrical appl room heating installed under removal	-106:2007 iances - Safety Part 2-106: Particular re ble floor coverings	quirements for heated carpets and for heating units for				
Ed 1.00 A4 39p EN PDE 39p EN		Gr 11				
Deals with the safety of heated carpets a be installed directly under a floor coverin installations and 480 V for other installat	and similar devices, and heating units to h Ig that is itself intended to be removable; t ions.	eat the room in which they are located and that are intended to heir rated voltage being not more than 250 V for single-phase				
SANS 60335-2-109:2011 / IEC 60335-2 Household and similar electrical appl	-109:2010 iances - Safety Part 2-109: Particular re	quirements for UV radiation water treatment appliances				
Ed 1.00 A4 18p EN PDF 18p EN		Gr 8 13.060.20; 13.120; 91.140.60; 97.030				
Deals with the safety of UV radiation wa V.	ter treatment appliances for household an	d similar purposes, their rated voltage not being more than 250				
SANS 60350:2010 / IEC 60350:2009 (SABS IEC 60350) Electric cooking ranges, hobs, ovens Ed 1.02 A4 63p EN	and grills for household use - Methods	s for measuring performance Gr 14				
PDF 63p EN		97.040.20				
Defines methods for measuring the performance of th	ormance of electric cooking ranges, hobs, ng, grilling and similar functions. Am 2(International), 2010-03-05	ovens and grills for household use. Does not apply to microwave				
SANS 60357:2012 Tungsten halogen lamps (non-vehicle	e) - Performance requirements					
Ed 1.00 A4 179p EN		Gr 19				
		31.060.70				
Specifies performance requirements for Am 1(International), 2012-05-18	single-capped and double-capped tungste Am 2(International), 2012-05-18	en halogen lamps that have rated voltages of up to 250 V. Am 3(International), 2012-05-18				
SANS 60372:1984 / IEC 60372:1984 (SABS IEC 60372)						
Locking devices for ball and socket c	ouplings of string insulator units - Dim	ensions and tests				
Ed 1.00 A4 18p EN		Gr 8				
Applicable to locking devices used with l standardized in IEC 60120. Defines the	ball and socket couplings of string insulato shapes and some standard dimensions fo	21.060.30 or units and used with the corresponding metal fittings r locking devices and also the test methods for locking devices,				
states the acceptance conditions for sup Am 1(International), 1995-01-16	pply, and gives other dimensions for guida Am 2(International), 2003-10-31	nce of manufacturing only.				
SANS 60383-1:1993 / IEC 60383-1:199 (SABS IEC 60383-1)	3 (2012-06-29)					
Insulators for overhead lines with a n Definitions, test methods and accepta	ominal voltage above 1 000 V Part 1: Co ance criteria	eramic or glass insulator units for a.c. systems -				
Ed 1.00 A4 58p EN PDF 58p EN		Gr 13 29.080.10				
Applies to insulators of ceramic material exceeding 1 000 V and a frequency not	or glass for use on a.c. overhead power li exceeding 100 Hz.	nes and overhead traction lines with a nominal voltage				
Am 1(National), 1997-01-13	Am 2(National), 2001-01-26	Am 3(National), 2007-05-25				
SANS 60383-2:1993 / IEC 60383-2:199 (SABS IEC 60383-2)	3 (2012-06-29)	ouldter strings and insulator acts for a subtoms				
Definitions, test methods and accepta	ance criteria	sulator strings and insulator sets for a.c. systems -				
Ed 1.00 A4 13p EN		Gr 7				
PDF 13p EN		29.080.10				
Applies to insulator strings and insulator with a nominal voltage exceeding 1 000 Am 1(National), 2007-06-22	pplies to insulator strings and insulator sets comprising string insulator units of ceramic material or glass for use on a.c. overhead power lines ith a nominal voltage exceeding 1 000 V and a frequency not exceeding 100 Hz. Im 1(National), 2007-06-22					

Ed 2.00 A4 71p EN	Gr 15
PDF 71p EN	31.060.10
Is applicable to fixed capacitors for use in electronic equipment. Establishes star sectional and detail specifications of electronic components for quality assessme Am 1(National), 2007-06-01	ndard terms, inspection procedures and methods of test for use in ent or any other purpose.
SANS 60384-2:2007 / IEC 60384-2:2005 (SABS IEC 60384-2)	
Fixed capacitors for use in electronic equipment Part 2: Sectional specifica dielectric d.c. capacitors	ation: Fixed metallized polyethylene-terephthalate film
Ed 2.00 A4 29p EN PDF 29p EN	Gr 10 31.060.30
Applies to fixed capacitors for direct current, with metallized electrodes and poly These capacitors may have "self-healing properties" depending on conditions of component is small with respect to the rated voltage.	ethylene-terephthalate dielectric for use in electronic equipment. use. They are primarily intended for applications where the a.c.
SANS 60384-2-1:2007 / IEC 60384-2-1:2005 (SABS IEC 60384-2-1)	
Fixed capacitors for use in electronic equipment Part 2-1: Blank detail specielectric d.c. capacitors - Assessment levels E and EZ	cification: Fixed metallized polyethylene-terephthalate film
Ed 2.00 A4 14p EN PDF 14p EN	Gr 7 31.060.30
Contains requirements for style and layout and minimum content of detail specif characteristics, marking and ordering information. Describes the inspection requirements.	ications. Specifies requirements for dimensions, ratings, irements including sampling, periodicity, severities and
SANS 60384-4:2007 / IEC 60384-4:2007 (SABS IEC 60384-4) Fixed capacitors for use in electronic equipment Part 4: Sectional specifica	ation - Aluminium electrolytic capacitors with solid (Mn02)
and non-solid electrolyte	······································
Ed 2.00 A4 37p EN PDF 37p EN	Gr 11 31.060.50
Applies to aluminium electrolytic capacitors with solid and non-solid electrolyte p equipment. Covers capacitors for long-life applications and capacitors for genera Cor 1(International), 2007-08-03	rimarily intended for d.c. applications for use in electronic al-purpose applications.
SANS 60384-6:2007 / IEC 60384-6:2005 (SABS IEC 60384-6)	
Fixed capacitors for use in electronic equipment Part 6: Sectional specifica capacitors	ation: Fixed metallized polycarbonate film dielectric d.c.
Ed 2.00 A4 29p EN	Gr 10
PDF 29p EN	31.060.30
Applies to fixed capacitors for direct current, with metallized electrodes and poly capacitors may have "self-healing properties" depending on conditions for use. T component is small with respect to the rated voltage.	carbonate dielectric for use in electronic equipment. These They are primarily intended for applications where the a.c.
SANS 60384-6-1:2007 / IEC 60384-6-1:2005 (SABS IEC 60384-6-1)	
Fixed capacitors for use in electronic equipment Part 6-1: Blank detail speed.c. capacitors - Assessment level E	cification: Fixed metallized polycarbonate film dielectric
Ed 2.00 A4 13p EN PDF 13p EN	Gr 7 31.060.30
Contains requirements for style and layout and minimum content of detail specif characteristics, marking and ordering information. Describes the inspection requirements.	ications. Specifies requirements for dimensions, ratings, irements including sampling, periodicity, severities and
SANS 60384-14:2007 / IEC 60384-14:2005 (SABS IEC 60384-14)	
Fixed capacitors for use in electronic equipment Part 14: Sectional specific suppression and connection to the supply mains	cation - Fixed capacitors for electromagnetic interference
Ed 2.00 A4 58p EN PDF 58p EN	Gr 13 31.060.10
Applies to capacitors and resistor-capacitor combinations, which will be connect exceeding 1 000 V a.c. (r.m.s.) or 1 000 V d.c. and with a nominal frequency not	ed to an a.c. mains or other supply with nominal voltage not exceeding 100 Hz.

SANS 60384-1:1999 / IEC 60384-1:1999 (2007-06-01)

Fixed capacitors for use in electronic equipment Part 1: Generic specification

(SABS IEC 60384-1)

Standards South Africa Catalogue 2013 NUM - 745

SANS 60384-14-1:2007 / IEC 60384-14-1:2005 (SABS IEC 60384-14-1)	
Fixed capacitors for use in electronic equipment Part 14-1: Blank detail specinterference suppression and connection to the supply mains - Assessment	ification: Fixed capacitors for electromagnetic level D
Ed 2.00 A4 13p EN PDF 13p EN	Gr 7 31.060.10
Covers requirements for fixed capacitors for electromagnetic interference suppres requirements for style, layout and minimum content of the detail specification.	sion and connection to the supply mains. It contains
SANS 60399:2010 / IEC 60399:2008 Barrel thread for lampholders with shade holder ring	
Ed 1.01 A4 11p EN PDF 11p EN	Gr 7 29 140 10
Applies to lampholders designed with a barrel thread for shade holder rings design Am 1(International), 2010-02-05	ned to keep attachments to lampholders in place.
SANS 60400:2013 / IEC 60400:2011 (SABS IEC 60400)	
Lampholders for tubular fluorescent lamps and starterholders	
Ed 4.01 A4 93p EN PDF 93p EN	Gr 15 29.140.10
States the technical and dimensional requirements for lampholders for tubular fluc be used in determining the safety and the fit of the lamps in the lampholders and t Am 1(International), 2013-02-22	prescent lamps and for starterholders, and the methods of test to he starters in the starterholders.
SANS 60423:2008 / IEC 60423:2007 (SABS IEC 60423)	
Conduit systems for cable management - Outside diameters of conduits for fittings	electrical installations and threads for conduits and
Ed 2.00 A4 14p EN PDF 14p EN	Gr 7 29.120.10
Specifies outside diameters for conduits used in electrical installations or in comm Also specifies the dimensional requirements for threads used in associated fittings	unication systems and the dimensional requirements for threads.
SANS 60432-1:2006 / IEC 60432-1:2005 (2011-12-01) (SABS IEC 60432-1)	
Incandescent lamps - Safety specifications Part 1: Tungsten filament lamps	for domestic and similar general lighting purposes
Ed 1.01 A4 46p EN PDF 46p EN	Gr 12
Applies to safety and interchangeability requirements of tungsten filament incanded filament incandescent lamps having rated wattage up to and including 200 W, rate PS, PAR or R shapes, or other bulb shapes where the lamps are intended to serve bulbs with all kinds of finishes, and caps B15d, B22d, E12, E14, E17, E26, E26d, Am 1(International), 2006-03-03	escent lamps for general lighting service. Covers those tungsten ad voltage of 50 V to 250 V inclusive, bulbs of A, B, C, G, M, P, e the same purpose as lamps with the foregoing bulb shapes, E26/50×39, E27 or E27/51×39.
SANS 60432-2:2006 / IEC 60432-2:2005 (2011-12-01) (SABS IEC 60432-2)	
Incandescent lamps - Safety specifications Part 2: Tungsten halogen lamps	for domestic and similar general lighting purposes
Ed 1.01 A4 14p EN PDF 14p EN	Gr 7 29.140.20
Applies to the safety and the related interchangeability requirements of tungsten h halogen lamps that are used as direct replacements for conventional tungsten filar no correspondence in SANS 60432-1, but for which the safety and interchangeabi SANS 60432-1. Covers tungsten halogen lamps having rated wattage up to and ir caps B15d, B22d, E12, E14, E17, E26, E26d, E26/50x39, E27 or E27/51x39. Am 1(International), 2006-03-10	alogen lamps for general lighting service. Covers those tungsten ment lamps as well as new tungsten halogen lamps which have lity requirements are treated by this standard in conjunction with including 250 W, rated voltage of 50 V to 250 V inclusive, and

Incande	scent lamps -	Safety specifications Part 3: Tungsten-halogen lamps (non-vehicle)
Ed 1.02	A4 30p EN	Gr 10
	PDF 30p EN	0
		29.140.20

SANS 60432-3:2010 / IEC 60432-3:2008

Specifies the safety requirements for single-capped and double-capped tungsten halogen lamps, having rated voltages of up to 250 V, used for the following applications: projection, photographic, floodlighting, special purpose, general purpose and stage lighting. Does not apply to general purpose, single-capped tungsten halogen lamps, covered by IEC 60432-2, that are used as replacement for conventional tungsten filament lamps. **Am 1(International), 2005-09-30 Am 2(International), 2010-02-05**

Standards South Africa Catalogue 2013 NUM - 747

SANS 60471:1977 / IEC 60471:1977 (2012-07-13) (SABS IEC 60471)

Am 1(National), 2010-04-23

Dimensions of clevis and tongue couplings of string insulator units

(called washer-dryers) with respect to their washing performance.

Simensi	site of otevits and tongue ocupinings of string insulator and	
Ed 1.00	A4 7p EN	Gr 6
	PDF 7p EN	29.080.10

Applies to string insulator units of the cap and pin type and also of the long rod type as well as the fittings used with such insulators. Am 1(International), 1993-06-07 Am 1(National), 2007-06-22

NUMERICAL LIST OF STANDARDS

SANS 60439-1:2004 / IEC 60439-1:2004 (2012-06-15) (SABS IEC 60439-1)

Low-voltage switchgear and controlgear assemblies Part 1: Type-tested and partially type-tested assemblies

Ed 3.01 A4 103p EN PDF 103p EN

Applies to low-voltage switchgear and controlgear assemblies, the rated voltage of which does not exceed 1 000 V a.c. at frequencies not exceeding 1 000 Hz, or 1 500 V d.c. Applies to stationary or movable assemblies with or without enclosure. Am 1(International), 2004-12-15 Cor 1 on Am 1(International), 2004-12-15

SANS 60439-2:2006 / IEC 60439-2:2005 (2011-10-07)

(SABS IEC 60439-2)

Low-voltage switchgear and controlgear assemblies Part 2: Particular requirements for busbar trunking systems (busways)

Ed 2.01 A4 36p EN PDF 36p EN

Applies to busbar trunking systems (BTS) and their accessories for feeding and distributing electrical power in residential, retail, public, agricultural and industrial premises. Also applies to busbar trunking systems that are designed to incorporate communication or control systems (or both) or intended to supply luminaires through tap-off units.

Am 1(International), 2006-11-10

SANS 60439-3:2007 / IEC 60439-3:2001 (2010-11-02)

(SABS IEC 60439-3)

Low-voltage switchgear and controlgear assemblies Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use - Distribution boards Gr 9

Ed 1.02 A4 21p EN PDF 21p EN

Gives supplementary requirements for enclosed distribution boards (DBU) that are stationary, type-tested assemblies (TTA) for indoor use, containing protective devices and intended for use either in domestic (household) applications or in other places where unskilled persons have access for their use. Control and/or signalling devices may also be included. They are for use on a.c., with a nominal voltage to earth not exceeding 300 V. The outgoing circuits contain short-circuit protective devices, each having a rated current not exceeding 125 A with a total incoming load current not exceeding 250 A.

Am 1(International), 2007-11-02 Am 2(International), 2007-11-02

SANS 60439-4:2005 / IEC 60439-4:2004 (2010-10-01) (SABS IEC 60439-4)

Low-voltage switchgear and controlgear assemblies Part 4: Particular requirements for assemblies for construction sites (ACS)

Ed 2.00	A4 21p EN	Gr 9
	PDF 21p EN	29.130.20

Applies to type-tested assemblies (TTA) intended for use on construction sites, i.e. temporary places of work to which the public do not generally have access and where building construction, installation, repairs, alteration or demolition of property (buildings) or civil engineering (public works) or excavation or any other similar operations are carried out. These assemblies may be transportable (semi-fixed) or mobile.

SANS 60439-5:2006 / IEC 60439-5:2006 (2011-10-07)

(SABS IEC 60439-5)

Low-voltage switchgear and controlgear assemblies Part 5: Particular requirements for assemblies for power distribution in public networks

Ed 2.00 A4 30p EN PDF 30p EN

29.130.20: 29.240.30

Gives supplementary requirements for substation cable distribution boards and cable distribution cabinets, which are stationary, type-tested assemblies (TTA) for outdoor installation in places which are exposed to the public, but where only skilled persons have access for their use.

Deals with methods for measuring the performance of clothes washing machines for household use, with or without heating devices and for cold or hot water supply, or both. Also deals with appliances for water extraction by centrifugal force and appliances for both washing and drying textiles

SANS 60456:2007 / IEC 60456:2003 (2010-04-23)

(SABS IEC 60456)

Clothes washing machines for household use - Methods for measuring the performance

Ed 2.00 A4 94p EN PDF 94p EN

Cor 1(International), 2007-01-26

Gr 11 29.130.20

Gr 16

29.130.20

29.130.20

Gr 10

97.060

Gr 18

SANS 60478-4:1976 / IEC 60478-4:1976 (2008-08-29) (SABS IEC 60478-4)

Stabilized power supplies, d.c. output Part 4: Tests other than radio-frequency interference

Ed	1.00	A4 44p EN
		PDF 44p EN

Gr 12 29.200

Sets forth suggested procedures by which certain performance characteristics associated with voltage-stabilized or current-stabilized power supplies can be measured. Methods outlined are not the only way of conducting each measurement, but represent a reliable means of obtaining data against which other test procedures may be judged. An attempt has been made to minimize the need for specialized equipment, and no specific instruments are recommended.

Am 1(National), 2008-08-29

SANS 60479-1:2006 / IEC TS 60479-1:2005 (2013-01-25) (SABS IEC 60479-1) Effects of current on human beings and livestock Part 1: General aspects

Ed 2.00	A4 61p EN	Gr 14
	PDF 61p EN	13.260

Provides basic guidance on the effects of shock current on human beings and livestock, for use in the establishment of electrical safety requirements in order to prevent death or injury. Cor 1(International), 2007-02-02

SANS 60479-2:2007 / IEC TS 60479-2:2007 (2013-01-25)

(SABS IEC 60479-2)

Effects of current on human beings and livestock Part 2: Special aspects

		-		-	-	
Ed 2.00	A4 41p EN					Gr 13
	PDF 41p EN					13.260

Describes the effects on the human body when a sinusoidal alternating current in the frequency range above 100 Hz passes through it. The effects of current passing through the human body for alternating sinusoidal current with d.c. components, alternating sinusoidal current with phase control, alternating sinusoidal current with multicycle control, are given but are only deemed applicable for alternating current frequencies from 15 Hz up to 100 Hz.

SANS 60479-4:2005 / IEC TR 60479-4:2004 (2010-07-23)

Effects of current on human beings and livestock Part 4: Effects of lightning strokes on human beings and livestock

Ed	1.00	A4 19p EN	Gr 9
		PDF 19p EN	13.260

Summarizes the basic parameters for lightning and their variability insofar as they apply to human beings and livestock. It indicates the possible direct and indirect interactions of strikes with bodies of living beings and describes the resulting effects caused by lightning currents. It is intended to show the differences between effects on human beings and livestock due to lightning strokes and those effects of electric shocks derived from electrical systems.

SANS 60479-3:1998 / IEC 60479-3:1998 (2013-01-25)

(SABS IEC 60479-3)

Effects of current on human beings and livestock Part 3: Effects of currents passing through the body of livestock

Ed 1.00	A4 16p EN	Gr 8
	PDF 16p EN	13.200

Indicates values for the electrical impedance of the body of livestock as a function of the touch voltage, the degree of moisture of the hide or skin and the current path. At this time values are only available for cattle. Describes the effects of sinusoidal alternating current within the frequency range from 15 Hz to 100 Hz passing through the body of livestock.

Am 1(National), 2007-08-17

SANS 60496:1975 / IEC 60496:1975	(2012-10-05)	
(SABS IEC 60496)		
Methods for measuring the perform	nance of electric warming plates for ho	usehold and similar purposes
Ed 1.00 A4 12p EN PDF 12p EN		Gr 7
		97.040.20
Applies to electric warming plates for	household and similar purposes.	
Am 1(International), 1995-11-27	Am 2(International), 1995-11-27	Am 1(National), 2006-10-06
SANS 60502-4:2006 / IEC 60502-4:2	2005	
(SABS IEC 60502-4)		
Power cables with extruded insula 4: Test requirements on accessorie	tion and their accessories for rated vol es for cables with rated voltages from 6	tages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) Part 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)
Ed 2.00 A4 32p EN PDF 32p EN		Gr 11
		29.060.20
Specifies the test requirements for tw	pe testing of accessories for power cables	with rated voltages from 3.6/6 (7.2) kV up to 18/30 (36) kV.

, for type testing of accessories for power cables with rated voltages from 3,6/6 (7,2) kV up to 18/30 (36) kV, complying with IEC 60502-2.

SANS 60529:2001 / IEC 60529:2001 (2 (SABS IEC 60529)	2006-11-17)	
Degrees of protection provided by en	nclosures (IP Code)	
Ed 1.01 A4 51p EN PDF 51p EN		Gr 13 13.260; 29.020
Applies to the classification of degrees Am 1(National), 1997-01-13 Am 3(National), 2006-11-17	of protection provided by enclosures for e Am 1(International), 2000-07-21	electrical equipment with a rated voltage not exceeding 72,5 kV. Am 2(National), 2001-06-25
SANS 60530:1975 / IEC 60530:1975 (2	2012-10-05)	
Methods for measuring the performa	nce of electric kettles and jugs for hou	usehold and similar use
Ed 1.00 A4 11p EN		Gr 7
PDF 11p EN		97.040.50
Applies to electric kettles and jugs for h Am 1(International), 1994-03-21	ousehold and similar use with a capacity Am 1(National), 2006-10-06	up to 2,5 L. Am 2(International), 2006-10-06
SANS 60570:2003 / IEC 60570:2003 (2	2008-12-12)	
Electrical supply track systems for lu	uminaires	
Ed 2.00 A4 21p EN		Gr 9
PDF 21p EN		29.140.50
Applies to track systems with two or moveling not exceeding 440 V between p conductor, or a SELV system with a rat A per conductor, or a combination of th SELV supplied luminaires (class III) sin	pre poles for the connection of luminaires poles (live conductors) with provision for e red voltage not exceeding 25 V without pri- e two systems (mixed supply system) for nultaneously, but in different sector openi	to the electrical supply consisting of either a system with a rated arthing (class I) and a rated current not exceeding 16 A per ovision for earthing (class III) and a rated current not exceeding 25 the connection of both mains voltage luminaires (class I or II) and ngs (mains or SELV).
SANS 60598-1:2009 / IEC 60598-1:200 (SABS IEC 60598-1) Luminaires Part 1: General requirem	08 (2011-01-28) ents and tests	
Ed 5.00 A4 192p EN		Gr 19
PDF 192p EN		29.140.40
Specifies general requirements for lumi classification, marking, mechanical con Am 1(National), 2011-01-28	inaires, incorporating electric light sources struction and electrical construction.	s for operation from supply voltages up to 1 000 V. Also covers
SANS 60598-2-1:1979 / IEC 60598-2-1 (SABS IEC 60598-2-1)	:1979 (2012-05-18)	
Luminaires Part 2: Particular require	ments Section 1: Fixed general purpos	se luminaires
Ed 1.00 A4 6p EN		Gr 5
PDF 6p EN		29.140.40
Specifies requirements for fixed general supply voltages not exceeding 1 000 V.	I purpose luminaires for use with tungster	n filament, tubular fluorescent and other discharge lamps on
Am I(International), 2000-03-10	Am 1(National), 2006-09-15	
SANS 60598-2-2:1997 / IEC 60598-2-2 (SABS IEC 60598-2-2)	2:1997 (2006-09-08)	
Luminaires Part 2: Particular require	ments Section 2: Recessed luminaires	
Ed 1.00 A4 11p EN PDF 11p EN		Gr 8
Specifies requirements for recessed lur	ninaires for use with tungsten filament, tu	bular fluorescent and other discharge lamps on supply voltage not
Am 1(International), 1998-06-05	Am 1(National), 2002-03-25	Am 2(National), 2006-09-08
SANS 60598-2-3:2003 / IEC 60598-2-3 (SABS IEC 60598-2-3)	:2002 (2008-12-12)	
Luminaires Part 2-3: Particular requi	rements - Luminaires for road and stru	eet lighting
Ed 2.00 A4 16p EN PDF 16p EN		Gr 8
		23.140.40, 33.000.40

Specifies requirements for luminaires for road, street lighting and other public outdoor lighting applications, tunnel lighting, column-integrated luminaires with a minimum total height above normal ground level of 2,5 m, and for use with electrical lighting sources on supply voltages not exceeding 1 000 V.

SANS 60598-2-4:1997 / IEC 60598-2-4 (SABS IEC 60598-2-4)	:1997 (2007-05-25)	
Luminaires Part 2: Particular require	ments Section 4: Portable general purp	oose luminaires
Ed 1.00 A4 10p EN PDF 10p FN		Gr /
Specifies requirements for portable gen discharge lamps on supply voltages not Am 1(National), 2002-03-25	eral purpose luminaires, other than handl exceeding 250 V. Am 2(National), 2007-05-25	amps, for use with tungsten filament, tubular fluorescent and other
SANS 60598-2-5:1998 / IEC 60598-2-5 (SABS IEC 60598-2-5)	:1998 (2007-06-01)	
Luminaires Part 2-5: Particular require	rements - Floodlights	
Ed 1.00 A4 11p EN		Gr 8
Specifies requirements for floodlights fo	r use with tungsten filament, tubular fluor	29.140.40 escent and other discharge lamps on supply voltages not
Am 1(National), 2002-03-25	IS 1(International), 2007-06-01	Am 2(National), 2007-06-01
SANS 60509 2 6:1004 / IEC 60509 2 6	1004 (2012 05 19)	
(SABS IEC 60598-2-6)	.1994 (2012-05-18)	
Luminaires Part 2: Particular require	ments Section 6: Luminaires with built	-in transformers or convertors for filament lamps
Ed 1.00 A4 13p EN PDF 13p EN		Gr 7 29.140.40
Specifies requirements for luminaires w exceeding 1 000 V for class I and class	ith built-in transformers or convertors for II luminaires and 250 V for class 0 lumina Am 1(Netional) 2006 00 15	ilament lamps, with supply voltages and output voltages not aires.
Am T(international), 2000-04-07	Am 1(National), 2006-09-15	
SANS 60598-2-7:1982 / IEC 60598-2-7 (SABS IEC 60598-2-7)	:1982 (2007-05-25)	
Ed 1 00 A4 16p EN	ments Section 7: Portable luminaires f	or garden use
PDF 16p EN		GI 9 29 140 40
Specifies requirements for portable ped flower beds, for use with tungsten filame Am 1(International), 2000-03-10	estal luminaires for use in places such as ent, tubular fluorescent and other discharg Am 2(International), 2000-03-10	gardens and for portable luminaires for use in places such as ge lamps on supply voltages not exceeding 250 V. Am 1(National), 2007-05-25
SANS 60598-2-8:2008 / IEC 60598-2-8 (SABS IEC 60598-2-8)	:2007	
Luminaires Part 2-8: Particular requir	rements - Handlamps	
Ed 1.02 A4 15p EN		Gr 8
PDF 15p EN		29.140.40
Specifies requirements for handlamps a electric light sources on supply voltages Am 1(International), 2000-07-14	and similar portable luminaires that are he not exceeding 250 V. Am 2(International), 2008-02-29	ld in the hand, hooked up or resting on a surface for use with
SANS 60598-2-9:1987 / IEC 60598-2-9 (SABS IEC 60598-2-9)	:1987 (2012-05-18)	
Luminaires Part 2: Particular require	ments Section 9: Photo and film lumin	aires (non-professional)
Ed 1.00 A4 14p EN		Gr 7
PDF 14p EN		29.140.40; 37.040.10; 37.060.10
Specifies requirements for photo and fil V, including low-pressure tungsten halo Am 1(International), 2000-04-07	m luminaires (non-professional) for use w gen lamps. Am 1(National), 2006-09-15	ith tungsten filament lamps on supply voltages not exceeding 250
SANS 60598-2-10:2003 / IEC 60598-2- (SABS IEC 60598-2-10)	10:2003 (2008-12-12)	
Luminaires Part 2-10: Particular requ	irements - Portable luminaires for child	dren
Ed 2.00 A4 9p EN		Gr 6
PDF 9p EN		29.140.40
Specifies requirements for portable lum voltage not exceeding 250 V.	inaires for children and for use with tungs	ten filament lamps or single capped fluorescent lamps on a supply
SANS 60598-2-11:2006 / IEC 60598-2-	11:2005 (2012-05-18) irements - Aquarium luminairos	
Ed 1 00 A4 12n EN	nomento - Aquanum funnillaneo	Gr 7
PDF 12p EN		29.140.40
Specifies requirements for household a voltages not exceeding 1 000 V.	quarium luminaries for use with tungsten	filament, tubular fluorescent or other discharge lamps on supply

Standards South Africa Catalogue 2013

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ventilated space (plenum), for use with tubular ects of air-handling luminaires; no requirements are
ational), 2006-09-15
.40
d or a combination of series/parallel-connected 50 V.

tubular fluorescent and other discharge lamps on supply voltages not exceeding 1 000 V. Am 1(International), 2000-04-07 Am 2(International), 2000-04-07 Am 1(National), 2007-03-02

Luminaires Part 2: Particular requirements Section 17: Luminaires for stage lighting, television, film and photographic studios (outdoor and indoor) Ed 1.00 A4 9p EN Gr 6 PDF 9p EN 29.140.40; 97.200.10

Applies to luminaires for cold cathode tubular discharge lamps and similar equipment, operating on a no-load rated output voltage over 1 000 V but

Specifies requirements for stage, television and film studio luminaires (including spot and floodlighting projectors), for use with tungsten filament,

SANS 60598-2-18:1993 / IEC 60598-2-18:1993 (2012-04-26)

(SABS IEC 60598-2-18)

Luminaires Part 2: Particular requirements Section 18: Luminaires for swimming pools and similar applications

Ed 1.00 A4 8p EN Gr 6 PDF 8p EN 29.140.40

Specifies requirements for fixed luminaires intended for use in the water, or in contact with the water, in, for example, the basins of swimming pools, fountains, paddling pools, and garden pools, and for use with tungsten filament lamps. Am 1(National), 2007-02-02

Luminai	res Part 2: Particular requirements Section 19: Air-handling luminaire	es (safety requirements)
Ed 1.00	A4 11p EN	Gr 7
	PDF 11p EN	29.140.40

SANS 60598-2-19:1981 / IEC 60598-2-19:1981 (2012-04-26)

(SABS IEC 60598-2-19)

SANS 60598-2-13:2007 / IEC 60598-2-13:2006 Luminaires Part 2-13: Particular requirements - Ground recessed luminaires

Ed 1.00 A4 13p EN PDF 13p EN

SANS 60598-2-17:1984 / IEC 60598-2-17:1984 (2012-04-26)

SANS 60598-2-12:2006 / IEC 60598-2-12:2006 (2012-04-26)

Luminaires Part 2-12: Particular requirements - Mains socket-outlet mounted nightlights

Specifies requirements for ground recessed luminaires incorporating electric light sources for operation from supply voltages up to 1 000 V, for indoor or outdoor use, for example, in gardens, yards, carriageways, parking lots, cycleways, footways, pedestrian areas, swimming pools areas outside zones for safety extra-low voltage, and nurseries.

SANS 60508-2-14-2000 / IEC 60508-2-14-2000

SANS 60598-2-14:2009 / IEC 60598-2-14:2009	
Luminaires Part 2-14: Particular requirements - Lu	iminaires for cold cathode tubular discharge lamps (neon tubes) and similar
equipment	
Ed 1.00 A4 26p EN	Gr 10

not exceeding 10 000 V, mainly used for general lighting, for indoor or outdoor applications and for supply voltages up to 1 000 V.

equipme	ent	•
Ed 1.00	A4 26p EN	
	PDF 26p EN	

(SABS IEC 60598-2-17)

Specifies requirements for mains socket-outlet mounted nightlights for use with electric light sources, on supply voltages not exceeding 250 V a.c. 50/60 Hz. It is to be read in conjunction with those sections of Part 1 to which reference is made.

PDF 11p EN

Ed 1.00 A4 11p EN

NUMERICAL LIST OF STANDARDS

Gr 7

Gr 7

29.140.40

29.140.40

29,140,40

NUMERICAL LIST OF STANDARDS			
SANS 60598-2-23:2001 / IEC 60598-2-23:2001 (2012-04-26) (SABS IEC 60598-2-23) Luminaires Part 2-23: Particular requirements - Extra low voltage lighting sy Ed 1.01 A4 12p EN	stems for filament lamps		
PDF 12p EN	29.140.40		
Specifies requirements for extra low voltage lighting systems for filament lamps in 1 000 V. The luminaires, being connected in parallel, are supplied via freely susp in the output circuit of the system is limited to 25 A. Am 1(International), 2001-02-02 Am 1(National), 2007-02-02	tended for ordinary interior use on supply voltages not exceeding bended continuous supporting conductors or profiles. The current		
SANS 60598-2-24:1997 / IEC 60598-2-24:1997 (2012-10-26) (SABS IEC 60598-2-24)			
Luminaires Part 2: Particular requirements Section 24: Luminaires with limit	ted surface temperatures		
Ed 1.00 A4 8p EN PDE 8p EN	Gr 6		
Specifies requirements for luminaires intended for use where the necessity of limited temperature on the outer surface exists, due to the risk of combustible dust accumulating on the luminaires, but where the risk of explosion in the atmosphere does not exist. The luminaires are for use with electric light sources on supply voltages not exceeding 1 000 V. Am 1(National), 2002-03-25 Am 2(National), 2007-02-09			
SANS 60598-2-25:1994 / IEC 60598-2-25:1994 (2008-12-12)			
(SABS IEC 60598-2-25)			
Luminaires Part 2-25: Particular requirements - Luminaires for use in clinica	I areas of hospitals and health care buildings		
Ed 1.00 A4 21p EN PDE 21p EN	Gr 10		
	11.140; 29.140.40		
Details specific requirements for luminaires for use with fungsten filament, fluores 1 000 V for use in clinical areas in which medical treatment, examination and med Cor 1(International), 2000-02-11 Am 1(International), 2005-03-18	cent and other discharge lamps on supply voltages not exceeding lical care takes place in hospitals and health care buildings.		
SANS 60601-1:2007 / IEC 60601-1:2005 (SABS IEC 60601-1) Medical electrical equipment Bart 1: General requirements for basic safety a	nd essential performance		
Ed 2.00 A4 390n EN	Gr 24		
PDF 390p EN	11.040.01		
Applies to the basic safety and essential performance of medical electrical equipn Cor 1(International), 2007-03-23	nent and medical electrical systems.		
SANS 60601-1-2:2005 / IEC 60601-1-2:2004 (SABS IEC 60601-1-2)			
Medical electrical equipment Part 1-2: General requirements for safety - Coll Bequirements and tests	ateral standard: Electromagnetic compatibility -		
Ed 2.01 A4 102p EN	Gr 16		
PDF 102p EN	11.040.01; 33.100.01		
Applies to electromagnetic compatibility of medical electrical equipment and medi systems, respectively. Specifies requirements and tests for electromagnetic compatibility requirements and tests in particular standards. Am 1(International), 2005-05-12	cal electrical systems, hereinafter referred to as equipment and batibility of equipment and systems and serves as the basis of		
SANS 60601-1-10:2009 / IEC 60601-1-10:2007 Medical electrical equipment Part 1-10: General requirements for basic safet Requirements for the development of physiologic closed-loop controllers	ty and essential performance - Collateral Standard:		
Ed 1.00 A4 40p EN	Gr 11		
PDF 40p EN	11.040.10		
Applies to the basic safety and essential performance of medical electrical equipn the development (analysis, design, verification and validation) of a physiologic clo	nent and medical electrical systems. Specifies requirements for sed-loop controller (PCLC).		
SANS 60601-1-11:2012 / IEC 60601-1-11:2010 Medical electrical equipment Part 1-11: General requirements for basic safet Requirements for medical electrical equipment and medical electrical system	ty and essential performance - Collateral Standard: ns used in the home healthcare environment		
Ea 1.00 A4 58p EN PDF 58p EN	Gr 13 11 040 10		
Specifies the basic safety and essential performance of medical electrical equipm manufacturer for use in the home healthcare environment, regardless of whether intended for use by a lay operator or by trained healthcare personnel.	ent and medical electrical systems which are intended by their the medical electrical equipment or medical electrical system is		

SANS 60601-2-2:2009 / IEC 60601-2-2:2009 Medical electrical equipment Part 2-2: Particular requirements for the basic sa surgical equipment and high frequency surgical accessories	afety and essential performance of high frequency
Ed 1.00 A4 80p EN	Gr 14
Applies to the basic safety and essential performance of high frequency surgical of	11.040.30
Applies to the basic salety and essential performance of high frequency surgical ec	upment.
SANS 60601-2-10:2011 / IEC 60601-2-10:1987	of nonice and muscale atimulators
Ed 1.00 A4.21p EN	Gr 9
PDF 21p EN	11.040.60
Specifies the requirements for the safety of nerve and muscle stimulators for use in Am 1(International), 2011-02-24 Cor 1 on Am 1(International), 2011-02-24	the practice of physical medicine. 4
SANS 60601-2-13:2010 / IEC 60601-2-13:2009	
Medical electrical equipment Part 2-13: Particular requirements for the safety	and essential performance of anaesthetic systems
PDF 46p EN	Gr 12 11 040 10
Specifies safety and essential performance requirements for an anaesthetic system anaesthetic system.	n as well as individual devices designed for use in an
SANS 60601-2-19:2009 / IEC 60601-2-19:2009 (2013-03-15) Medical electrical equipment Part 2-19: Particular requirements for the basic s	safety and essential performance of infant incubators
Ed 1.00 A4 37p EN	Gr 11
PDF 37p EN	11.040.01; 11.040.10
Applies to the basic safety and essential performance of infant incubators. Does no of medical electrical equipment or medical electrical systems. Cor 1(International), 2013-03-15	t cover hazards inherent in the intended physiological function
SANS 60601-2-20:2009 / IEC 60601-2-20:2009 (2013-03-15)	
Medical electrical equipment Part 2-20: Particular requirements for the basic s incubators	safety and essential performance of infant transport
Ed 1.00 A4 41p EN PDE 41p EN	Gr 12
Applies to the basic sofety and essential performance of infant transport insubator	11.040.01; 11.040.10
physiological function of medical electrical equipment or medical electrical systems Cor 1(International), 2013-03-15	
SANS 60601-2-21:2009 / IEC 60601-2-21:2009 Medical electrical equipment Part 2-21: Particular requirements for the basic s	safety and essential performance of infant radiant
warmers	
Ed 1.00 A4 36p EN PDE 36p EN	Gr 11
Applies to the basic safety and essential performance of infant radiant warmers. Do	pes not cover hazards inherent in the intended physiological
function of medical electrical equipment or medical electrical systems.	
SANS 60601-2-28:2011 / IEC 60601-2-28:2010 Medical electrical equipment Part 2-28: Particular requirements for the basic s assemblies for medical diagnosis	safety and essential performance of X-ray tube
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	11.040.50; 11.040.55
Covers basic safety and essential performance requirements for X-ray tube assemble	olies for medical diagnosis.
SANS 60601-2-33:2011 / IEC 60601-2-33:2010 Medical electrical equipment Part 2-33: Particular requirements for the basic s equipment for medical diagnosis	safety and essential performance of magnetic resonance
Ed 1.00 A4 106p EN	Gr 18
PDF 106p EN	11.040.55
Applies to the basic safety and essential performance of medical resonance equipr	nent and medical resonance systems.
SANS 60601-2-34:2012 / IEC 60601-2-34:2011 Medical electrical equipment Part 2-34: Particular requirements for the basic s pressure monitoring equipment	safety and essential performance of invasive blood
Ed 1.00 A4 65p EN	Gr 14
	11.040.55
Applies to basic safety and essential performance of invasive blood pressure monit	oring equipment.

Standards South Africa Catalogue 2013 NUM - 753

SANS 60601-2-43:2011 / IEC 60601-2-43:2010 Medical electrical equipment Part 2-43: Particular requirements for the basic interventional procedures	c safety and essential performance of X-ray equipment for
Ed 1.00 A4 54p EN PDF 54p EN	Gr 13 11.040.50: 37.040.25
Applies to the basic safety and essential performance of X-ray equipment declare interventional procedures (interventional X-ray equipment).	d by the manufacturer to be suitable for radioscopically guided
SANS 60601-2-50:2010 / IEC 60601-2-50:2009 Medical electrical equipment Part 2-50: Particular requirements for the basic equipment	c safety and essential performance of infant phototherapy
Ed 1.00 A4 30p EN PDF 30p EN	Gr 10 11.040.60; 11.040.99
Applies to the basic safety and essential performance of infant phototherapy equip	pment.
SANS 60601-2-52:2011 / IEC 60601-2-52:2009 Medical electrical equipment Part 2-52: Particular requirements for the basic	staty and assential performance of medical bade
Ed 1.00 A4 84p EN	Gr 15
PDF 84p EN	11.140
Applies to the basic safety and essential performance of medical beds intended for	or adults.
SANS 60614-1:1994 / IEC 60614-1:1994 (2007-02-02) (SABS IEC 60614-1)	
Conduits for electrical installations - Specification Part 1: General requirement	ents
Ed 1.00 A4 30p EN	Gr 11
	29.120.10
Specifies requirements for conduits of circular cross-section for the protection of tAm 1(National), 2000-08-25Am 1(International), 2001-01-26	he conductors and/or cables in electrical installations. Am 2(National), 2007-02-02
SANS 60614-2-1:1982 / IEC 60614-2-1:1982 (2007-02-09) (SABS IEC 60614-2-1)	
Specification for conduits for electrical installations Part 2: Particular specif	fications for conduits Section 1: Metal conduits
Ed 1.00 A4 16p EN PDF 16p EN	Gr 9 29.120.10
Specifies requirements for threadable and non-threadable plain rigid metal conduit Am 1(International), 1999-12-17 Am 1(National), 2007-02-09	its.
SANS 60614-2-2:1980 / IEC 60614-2-2:1980 (2007-02-09) (SABS IEC 60614-2-2)	
Specification for conduits for electrical installations Part 2: Particular specifinsulating materials	ication for conduits Section 2: Rigid plain conduits of
Ed 1.00 A4 17p EN	Gr 9
	29.120.10
Am 1(International), 1999-12-17 Am 1(National), 2007-02-09	g materials.
SANS 60614-2-3:1990 / IEC 60614-2-3:1990 (2007-02-09) (SABS IEC 60614-2-3)	
Specification for conduits for electrical installations Part 2: Particular specifinsulating material	fications for conduits Section 3: Pliable conduits of
Ed 1.00 A4 20p EN PDF 20p EN	Gr 10 29.120.10
Specifies requirements for pliable non-flame propagating plain and corrugated corwith a smooth exterior surface. Am 1(National), 2007-02-09	nduits of insulating material. Also applies to corrugated conduits
SANS 60614-2-4:1985 / IEC 60614-2-4:1985 (2007-02-09)	
(SABS IEC 60614-2-4) Specification for conduits for electrical installations Part 2: Particular specification and the second state of the second s	fications for conduits Section 4: Pliable self-recovering
Ed 1.00 A4 21p EN	Gr 10
PDF 21p EN	29.120.10
	f he and a the sum of a large

Specifies requirements for pliable self-recovering plain and corrugated conduits of insulating materials. Am 1(International), 1999-12-17 Am 1(National), 2007-02-09

SANS 60614-2-5:1992 / IEC 60614-2-5:199 (SABS IEC 60614-2-5)	2 (2007-02-09)
Specification for conduits for electrical in	stallations Part 2: Particular specifications for conduits Section 5: Flexible conduits
Ed 1.00 A4 20p EN PDF 20p EN	Gr 10 29.120.10
Specifies requirements for flexible conduits of installations.	of metal, insulating or composite materials for the protection of conductors and cables in electrical
Am 1(National), 2000-09-22 An	າ 2(National), 2007-02-09
SANS 60614-2-6:1992 / IEC 60614-2-6:199 (SABS IEC 60614-2-6)	2 (2007-02-09)
Specification for conduits for electrical in or composite materials	stallations Part 2: Particular specifications for conduits Section 6: Pliable conduits of metal
Ed 1.00 A4 22p EN	Gr 10
PDF 22p EN	29.120.10
Specifies requirements for pliable conduits c Am 1(National), 2007-02-09	of metal or composite materials for the protection of conductors and cables in electrical installations.
SANS 60614-2-7:1995 / IEC 60614-2-7:199 (SABS IEC 60614-2-7)	5 (2007-02-16)
Conduits for electrical installations - Spe conduits of aluminium alloy	cification Part 2: Particular specifications for conduits Section 7: Rigid non-threadable
Ed 1.00 A4 17p EN	Gr 9
PDF 17p EN	29.120.10
Specifies requirements for plain rigid condui Am 1(National), 2007-02-16	ts of aluminium alloy.
SANS 60623:2001 / IEC 60623:2001 (2012- (SABS IEC 60623)	08-24)
Secondary cells and batteries containing single cells	alkaline or other non-acid electrolytes - Vented nickel-cadmium prismatic rechargeable
Ed 1.00 A4 18p EN PDF 18p EN	Gr 8 29 220 30
Specifies marking, designation, dimensions, Am 1(National), 2007-08-17	tests and requirements for vented nickel-cadium prismatic secondary single cells.
SANS 60660:1999 / IEC 60660:1999 (2012- (SABS IEC 60660)	06-22)
Insulators - Tests on indoor post insulato including 300 kV	rs of organic material for systems with nominal voltages greater than 1 000 V up to but not
Ed 1.00 A4 27p EN PDF 27p EN	Gr 10 29.080.10
Applicable to post insulators of organic mate on alternating current with a nominal voltage frequency not greater than 100 Hz. Am 1(National), 2007-06-22	rial for indoor service in electrical installations or equipment operating in air at atmospheric pressure greater than 1 000 V up to, but not including, 300 kV, as defined by range I of IEC 60071-1, and a
SANS 60662:2003 / IEC 60662:2002 (2008-	.12-12)
High-pressure sodium vapour lamps	
Ed 1.10 A4 144p EN	Gr 17
PDF 144p EN	29.140.30
Specifies the characteristics of high-pressur and procedures. The recommendations rela operation together with information for ballas associated information for ballast/ignitor des developed.	e sodium vapour lamps necessary to ensure interchangeability and safety together with test conditions te only to type testing. Specifies the lamp dimensions, electrical characteristics for lamp starting and st, ignitor and luminaire design purposes. The requirements dealing with the lamp starting test and ign are different depending on the practice of the country in which the lamp type was originally

Am 1(International), 1986-01-01	Am 2(International), 1987-01-01	Am 3(International), 1990-01-01
Am 4(International), 1992-01-01	Am 5(International), 1993-01-01	Am 6(International), 1995-03-01
Am 7(International), 1996-03-25	Am 8(International), 1996-03-25	Am 9(International), 1997-08-25
Am 10(International), 1998-02-09		

SANS 60669-1:2007 / IEC 60669-1:2007 (2012-03-30) (SABS IEC 60669-1)

Switches for household and similar fixed-electrical installations Part 1: General requirements

Ed 2.02 A4 96p EN PDF 96p EN

Applies to manually operated general purpose switches, for a.c. only with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A, intended for household and similar fixed-electrical installations, either indoors or outdoors. Am 2(International), 2007-10-19

Am 1(International), 2000-04-07 Am 1(National), 2000-07-21

SANS 60669-2-1:2009 / IEC 60669-2-1:2009

(SABS IEC 60669-2-1)

Switches for household and similar fixed electrical installations Part 2-1: Particular requirements - Electronic switches Gr 12

Ed 3.01 A4 48p EN PDF 48p EN

Applies to electronic switches and to associated extension units for household and similar fixed electrical installations either indoors or outdoors. Applies to electronic switches for the operation of lamp circuits and the control of the brightness of lamps (dimmers) as well as the control of the speed of motors (e.g. in ventilating fans) and for other purposes (e.g. heating controls).

Am 1(International), 2009-06-12

SANS 60669-2-2:2007 / IEC 60669-2-2:2006 (2011-03-04)

(SABS IEC 60669-2-2)

Switches for household and similar fixed electrical installations Part 2-2: Particular requirements - Electromagnetic remote-control switches (RCS)

Ed	2.00	A4 17p EN
		PDF 17p EN

Applies to electromagnetic remote-control switches (RCS) with rated voltage not exc 440 V and rated current not exceeding 63 A, and to electronic RCS with a rated voltage not exceeding 250 V and rated current not exceeding 16 A, intended for household and similar fixed electrical installations, either indoors or outdoors.

SANS 60669-2-3:2007 / IEC 60669-2-3:2006 (2012-02-10) (SABS IEC 60669-2-3)

Switches	s for household and similar fixed electrical installations Part 2-3: Par	ticular requirements - Time-delay switches (TDS)
Ed 2.00	A4 17p EN	Gr 8
	PDF 17p EN	29 120 40

Applies to time-delay switches (TDS), with rated voltage not exceeding 440 V and a rated current not exceeding 63 A, intended for household and similar fixed electrical installations, either indoors or outdoors, operated by hand and/or by remote control and which are provided with a mechanical, thermal, pneumatic, hydraulic or electrical operated time-delay device or with a device which combines any of them.

SANS 60669-2-4:2005 / IEC 60669-2-4:2004 (2011-04-20)

Switches for household and similar fixed electrical installations Part 2-4: Particular requirements - Isolating switches Gr 11

Ed 1.00	A4 36p EN		
	PDF 36p EN		

Applies to manually operated general purpose isolating switches with a rated voltage not exceeding 440 V and a rated current not exceeding 125 A, intended for household and similar fixed electrical installations, either indoors or outdoors.

SANS 60670-1:2012 / IEC 60670-1:2011

Boxes and enclosures	for electrical accessorie	s for household and	d similar fixed electrica	al installations Part 1	: General requirements

Ed 1.01 A4 71p EN PDF 71p EN

Applies to boxes, enclosures and parts of enclosures (called "boxes" and "enclosures") for electrical accessories with a rated voltage not exceeding 1 000 V a.c. and 1 500 V d.c. intended for household or similar fixed electrical installations, either indoors or outdoors.

Cor 1(International), 2003-07-25 Am 1(International), 2012-05-10

SANS 60670-21:2005 / IEC 60670-21:2004 (2011-04-20)

Boxes and enclosures for electrical accessories for household and similar fixed electrical installations Part 21: Particular requirements for boxes and enclosures with provision for suspension means Gr 7

Ed 1.00 A4 12p EN PDF 12p EN 29,120,99

Applies to boxes and enclosures with provision for suspension means for electrical accessories with a rated voltage not exceeding 1 000 V a.c. and 1 500 V d.c., intended for household or similar fixed electrical installations, either indoors or outdoors.

29.120.4	40
xceedina	44

Gr 8

Gr 15

29.120.40

29,120,40

29.120.40

29.120.40

Gr 14

29.120.10

PDF 14p EN	29.100.99
Applies to connecting boxes for junctions or tappings (or both), and enclosures and voltage not exceeding 1 000 V a.c. and 1 500 V d.c. intended for household or similar Boxes and enclosures that comply with this standard are suitable for use at ambient reaching 35 $^{\circ}$ C.	parts of enclosures for electrical accessories with a rated ar fixed electrical installations, either indoors or outdoors. t temperature not normally exceeding 25 $^{\circ}$ C but occasionally
SANS 60670-23:2006 / IEC 60670-23:2006 (2011-12-01)	
Boxes and enclosures for electrical accessories for household and similar fixe requirements for floor boxes and enclosures	ed electrical installations Part 23: Particular
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	29.120.10
Applies to boxes and enclosures for electrical accessories with a rated voltage not e installed in any kind of floor, and to protect accessories against load up to and include	exceeding 1 000 V a.c. and 1 500 V d.c. intended to be ding 1 000 N.
SANS 60670-24:2011 / IEC 60670-24:2011	
Boxes and enclosures for electrical accessories for household and similar fixe	ed electrical installations Part 24: Particular
requirements for enclosures for housing protective devices and other power d	dissipating electrical equipment
Ed 2.00 A4 33p EN	Gr 11
FDF 35p EN	29.120.10
Applies to enclosures and parts of them for housing protective devices and other por rated voltage not exceeding 400 V and a total incoming load current not exceeding 1	ower dissipating electrical equipment intended to be used with a 125 A for household and similar fixed electrical installations.
SANS 60675:2006 / IEC 60675:1998 (2012-10-05) (SABS IEC 60675)	
Household electric direct-acting room heaters - Methods for measuring perform	rmance
Ed 1.01 A4 23p EN	Gr 10
PDF 23p EN	97.100.10
A sufficient a state allocations and the structure of the	ed or built-in. Defines the main performance characteristics of
Applies to electric direct-acting room neaters. They may be portable, stationary, fixe direct-acting room heaters and specifies methods for measuring these characteristic Am 1(International), 2006-09-15	CS.
Applies to electric direct-acting room neaters. They may be portable, stationary, fixe direct-acting room heaters and specifies methods for measuring these characteristic Am 1(International), 2006-09-15 SANS 60695-11-10:2004 / IEC 60695-11-10:2003 (2009-04-09)	cs.
Applies to electric direct-acting room neaters. They may be portable, stationary, fixe direct-acting room heaters and specifies methods for measuring these characteristic Am 1(International), 2006-09-15 SANS 60695-11-10:2004 / IEC 60695-11-10:2003 (2009-04-09) Fire hazard testing Part 11-10: Test flames - 50 W horizontal and vertical flame	e test methods
Applies to electric direct-acting room neaters. They may be portable, stationary, fixe direct-acting room heaters and specifies methods for measuring these characteristic Am 1(International), 2006-09-15 SANS 60695-11-10:2004 / IEC 60695-11-10:2003 (2009-04-09) Fire hazard testing Part 11-10: Test flames - 50 W horizontal and vertical flame Ed 1.01 A4 27p EN	e test methods Gr 10
Applies to electric direct-acting room heaters. They may be portable, stationary, fixe direct-acting room heaters and specifies methods for measuring these characteristic Am 1(International), 2006-09-15 SANS 60695-11-10:2004 / IEC 60695-11-10:2003 (2009-04-09) Fire hazard testing Part 11-10: Test flames - 50 W horizontal and vertical flame Ed 1.01 A4 27p EN PDF 27p EN	e test methods Gr 10 13.220.40; 29.020
Applies to electric direct-acting room neaters. They may be portable, stationary, fixe direct-acting room heaters and specifies methods for measuring these characteristic Am 1(International), 2006-09-15 SANS 60695-11-10:2004 / IEC 60695-11-10:2003 (2009-04-09) Fire hazard testing Part 11-10: Test flames - 50 W horizontal and vertical flame Ed 1.01 A4 27p EN PDF 27p EN Specifies a small-scale laboratory screening procedure for comparing the relative bu made from plastic and other non-metallic materials, exposed to a small-flame ignitio Am 1(International), 2004-11-25	e test methods Gr 10 13.220.40; 29.020 urning behaviour of vertically or horizontally oriented specimens on source of 50 W nominal power.
Applies to electric direct-acting room neaters. They may be portable, stationary, fixe direct-acting room heaters and specifies methods for measuring these characteristic Am 1(International), 2006-09-15 SANS 60695-11-10:2004 / IEC 60695-11-10:2003 (2009-04-09) Fire hazard testing Part 11-10: Test flames - 50 W horizontal and vertical flame Ed 1.01 A4 27p EN PDF 27p EN Specifies a small-scale laboratory screening procedure for comparing the relative bu made from plastic and other non-metallic materials, exposed to a small-flame ignitio Am 1(International), 2004-11-25 SANS 60704-1:2010 / IEC 60704-1:2010	e test methods Gr 10 13.220.40; 29.020 urning behaviour of vertically or horizontally oriented specimens on source of 50 W nominal power.
Applies to electric direct-acting room neaters. They may be portable, stationary, fixe direct-acting room heaters and specifies methods for measuring these characteristic Am 1(International), 2006-09-15 SANS 60695-11-10:2004 / IEC 60695-11-10:2003 (2009-04-09) Fire hazard testing Part 11-10: Test flames - 50 W horizontal and vertical flame Ed 1.01 A4 27p EN PDF 27p EN Specifies a small-scale laboratory screening procedure for comparing the relative bu made from plastic and other non-metallic materials, exposed to a small-flame ignitio Am 1(International), 2004-11-25 SANS 60704-1:2010 / IEC 60704-1:2010 Household and similar electrical appliances - Test code for the determination of requirements	e test methods Gr 10 13.220.40; 29.020 urning behaviour of vertically or horizontally oriented specimens on source of 50 W nominal power. of airborne acoustical noise Part 1: General
Applies to electric direct-acting room neaters. They may be portable, stationary, fixe direct-acting room heaters and specifies methods for measuring these characteristic Am 1(International), 2006-09-15 SANS 60695-11-10:2004 / IEC 60695-11-10:2003 (2009-04-09) Fire hazard testing Part 11-10: Test flames - 50 W horizontal and vertical flame Ed 1.01 A4 27p EN PDF 27p EN Specifies a small-scale laboratory screening procedure for comparing the relative bu made from plastic and other non-metallic materials, exposed to a small-flame ignitio Am 1(International), 2004-11-25 SANS 60704-1:2010 / IEC 60704-1:2010 Household and similar electrical appliances - Test code for the determination of requirements Ed 1.00 A4 35p EN	e test methods Gr 10 13.220.40; 29.020 urning behaviour of vertically or horizontally oriented specimens on source of 50 W nominal power. of airborne acoustical noise Part 1: General Gr 11
Applies to electric direct-acting room neaters. They may be portable, stationary, fixe direct-acting room heaters and specifies methods for measuring these characteristic Am 1(International), 2006-09-15 SANS 60695-11-10:2004 / IEC 60695-11-10:2003 (2009-04-09) Fire hazard testing Part 11-10: Test flames - 50 W horizontal and vertical flame Ed 1.01 A4 27p EN PDF 27p EN Specifies a small-scale laboratory screening procedure for comparing the relative bu made from plastic and other non-metallic materials, exposed to a small-flame ignitio Am 1(International), 2004-11-25 SANS 60704-1:2010 / IEC 60704-1:2010 Household and similar electrical appliances - Test code for the determination of requirements Ed 1.00 A4 35p EN PDF 35p EN	e test methods Gr 10 13.220.40; 29.020 urning behaviour of vertically or horizontally oriented specimens on source of 50 W nominal power. of airborne acoustical noise Part 1: General Gr 11 17.140.20; 97.030
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Applies to electric direct-acting room neaters. They may be portable, stationary, fixe direct-acting room heaters and specifies methods for measuring these characteristic Am 1(International), 2006-09-15 SANS 60695-11-10:2004 / IEC 60695-11-10:2003 (2009-04-09) Fire hazard testing Part 11-10: Test flames - 50 W horizontal and vertical flame Ed 1.01 A4 27p EN PDF 27p EN Specifies a small-scale laboratory screening procedure for comparing the relative bu made from plastic and other non-metallic materials, exposed to a small-flame ignitio Am 1(International), 2004-11-25 SANS 60704-1:2010 / IEC 60704-1:2010 Household and similar electrical appliances - Test code for the determination of requirements Ed 1.00 A4 35p EN PDF 35p EN Applies to electric appliances (including their accessories or components) for house SANS 60704-2-14:2011 / IEC 60704-2-14:2007	e test methods Gr 10 13.220.40; 29.020 urning behaviour of vertically or horizontally oriented specimens on source of 50 W nominal power. of airborne acoustical noise Part 1: General Gr 11 17.140.20; 97.030 shold and similar use, supplied from mains or from batteries.
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Gr 7

Boxes and enclosures for electrical accessories for household and similar fixed electrical installations Part 22: Particular

SANS 60670-22:2003 / IEC 60670-22:2003 (2008-11-28)

requirements for connecting boxes and enclosures

Ed 1.00 A4 14p EN

Applies to microwave ovens for household use. Also applies to combination microwave ovens. Defines the main performance characteristics of household microwave ovens which are of interest to the user and specifies methods for measuring these characteristics. **Am 1(International), 2006-09-15 Am 2(International), 2006-09-15**

Applies to line post insulators with insulating parts of ceramic material intended for a.c. overhead lines with a nominal voltage higher than 1 000 V

Applies to the radiation characteristics and immunity to electromagnetic disturbance of EM-active equipment (active and passive equipment) for the reception, processing and distribution of television, sound and interactive multimedia signals. Specifies requirements for maximum allowed radiation, minimum immunity and minimum screening effectiveness and describes test methods for conformance testing.

Cable networks for television signals, sound signals and interactive services Part 2: Electromagnetic compatibility for equipment

SANS 60730-1:2010 / IEC 60730-1:2010

SANS 60720:1981 / IEC 60720:1981 (2012-06-22)

Characteristics of line post insulators

and a frequency not higher than 100 Hz.

SANS 60728-2:2010 / IEC 60728-2:2010

PDF 12p EN

Am 1(National), 2007-06-22

PDF 54p EN

(SABS IEC 60720)

Ed 1.00 A4 12p EN

Ed 2.00 A4 54p EN

(SABS IE	EC 60730-1)	
Automat	ic electrical controls for household and sim	ilar use Part 1: General requirements
Ed 3.00	A4 261p EN	Gr 21
	PDF 261p EN	97.120

Applies to automatic electrical control for use in, on, or in association with equipment for household and similar use, including controls for heating, air-conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solid thermal energy, etc., or a combination thereof.

SANS 60730-2-2:2007 / IEC 60730-2-2:2005

Automatic electrical controls for house	hold and similar use Part 2-2: Particular requirements for thermal motor protectors
Ed 1.01 A4 24p EN	Gr 10

 		0	
	PDF 24p EN	97.	120

Applies to the partial evaluation of thermal motor protectors for household and similar use, including heating, air conditioning and similar applications.

Am 1(International), 2007-08-03

SANS 60730-2-3:2007 / IEC 60730-2-3:2006

Automatic electrical controls for hou	sehold and similar use Part 2-3: Particular requirements for thermal protectors for ball	asts for
tubular fluorescent lamps		
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Lu	1.00		u u
		PDF 16p EN	97.120

Applies to the evaluation of thermal protectors for ballasts for tubular fluorescent lamps. Also applies to thermal protectors using negative temperature coefficient (NTC) or positive temperature coefficient (PTC) thermistors.

SANS 60730-2-4:2007 / IEC 60730-2-4:2006

Automatic electrical controls for household and similar use Part 2-4: Pa	articular requirements for thermal motor protectors for motor-
compressors of hermetic and semi-hermetic type	
Ed 1.00 A4 22p EN	Gr 9

1.00	A4 ZZP EN	G	9
	PDF 22p EN	97.	120

Applies to the partial evaluation of thermal motor protectors for sealed (hermetic and semi-hermetic type) motor-compressors. Also applies to thermal motor protectors for motor compressors using negative temperature coefficient (NTC) or positive temperature coefficent (PTC) thermistors.

SANS 60730-2-5:2009 / IEC 60730-2-5:2008

Automatic electrical controls for household and sin	nilar use Part 2-5: Particular requirements for automatic electrical burner control
systems	
Ed 1.02 A4 52p EN	Gr 13
PDF 52p EN	97.120
Applies to automatic electrical burner control systems f	for the automatic control of burners for oil, gas, coal or other combustibles for household an

١d ners for oil, gas, coal or similar use including heating, air conditioning and similar use.

Am 1(International), 2007-08-03 Am 2(International), 2009-08-07

SANS 60730-2-6:2007 / IEC 60730-2-6:2007

Automatic electrical controls for household and similar use Part 2-6: Particular requirements for automatic electrical pressure		
sensing controls including mecha	nical requirements	
Ed 1.00 A4 26p EN	Gr 10	
PDF 26p EN	97.120	

Applies to automatic electrical pressure sensing controls with a minimum gauge pressure rating of -60 kPa and a maximum gauge pressure rating of 4,2 MPa, for use in, on or in association with, equipment for household and similar use that may use electricity, gas, oil, solid fuel, solar thermal energy, etc. or a combination thereof, including heating, air-conditioning and similar applications.

Gr 7

Gr 13

33.060.40; 33.100.01

29.080.10

Standards South Africa Catalogue 2013 NUM - 758

SANS 60730-2-7:2008 / IEC 60730-2-7:2008 Automatic electrical controls for household and similar use Part 2-7: Particular requirements for timers and time switches

PDF 27p EN 39.040.99 Applies to timers and time switches for household and similar use that may use electricity, gas, oil, solid fuel, solar thermal energy, etc. or a combination thereof, including heating, air conditioning and similar applications.

SANS 60730-2-8:2003 / IEC 60730-2-8:2003 (200	8-12-12)
Automatic electrical controls for household and	d similar use Part 2-8: Particular requirements for electrically operated water valves,
including mechanical requirements	
Ed 1.01 A4 39p EN	Gr 11

Applies to electrically operated water valves for use in, on or in association with equipment for household and similar use that may use electricity. gas, oil, solid fuel, solar thermal energy, etc. or a combination thereof, including heating, air-conditioning and similar applications. Am 1(International), 2003-10-03

SANS 60730-2-9:2013 / IEC 60730-2-9:2011

(SABS IEC 60730-2-9)

PDF 39p EN

Ed 2.00 A4 27p EN

Automat	ic electrical controls for household and similar use P	Part 2-9: Particular requirements for temperature sensing control	ols
Ed 2.01	A4 61p EN	Gr 14	
	PDF 61p EN	97 120	

Applies to automatic electrical temperature sensing controls for use in, on or in association with equipment for household and similar use, including electrical controls for heating, air-conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination thereof.

Am 1(International), 2013-02-01

SANS 60730-2-10:2007 / IEC 60730-2-10:2006

Automatic electrical controls for household and similar use Part 2-10: Particular requirements for motor-starting relays Ed 1.00 A4 12p EN Gr 7

PDF 12p EN	

Applies to controls for automatically controlling the starting windings of single-phase motors associated with equipment for household and similar use. Also applies to motor-starting relays using negative temperature coefficient (NTC) or positive temperature coefficient (PTC) thermistors, starting relays incorporating electronic devices and starting relays using thermistor elements, thermal elements and magnetic elements.

SANS 60730-2-11:2007 / IEC 60730-2-11:2006

(SABS IEC 60730-2-11)

Automatic electrical controls for household and similar use Part 2-11: Particular requirements for energy regulators

Ed 2.00	A4 14p EN	
	PDF 14p EN	97.12

Applies to energy regulators for use in, on, or in association with equipment for household and similar use, including energy regulators for heating, air conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc. or a combination thereof.

SANS 60730-2-12:2007 / IEC 60730-2-12:2005

Automati	ic electrical controls for household and similar use Part 2-12: Par	ticular requirements for electrically operated door locks
Ed 1.00	A4 17p EN	Gr 8
	PDF 17p EN	97 120

Applies to electrically operated door locks intended to prevent the opening of doors in equipment for household and similar use. Applies to door locks with electrical circuits and control circuits such as locks operated by bimetals, magnet coils, memory metals, pressure elements, temperature-sensitive expansion elements or electronic elements.

SANS 60730-2-13:2007 / IEC 60730-2-13:2006

Automatic electrical controls for household and similar use Part 2-13: Particular requirements for humidity sensing controls Gr 8

Ed 1.00 A4 16p EN PDF 16p EN

Applies to automatic electrical humidity sensing controls for use in, on or in association with equipment for household and similar use, including controls for heating, air-conditioning and similar application. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc. or a combination thereof.

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SANS 60730-2-14:2008 / IEC 60730-2-14:2008

Automat	ic electrical	controls for nousehold and similar use Part 2-14: Particular requirements for electric actuators
Ed 1.02	A4 19p EN	Gr 9
	PDF 19p EN	97.120
Applies to	o electric actu	uators for use in, on, or in association with equipment for household and similar use for heating, air-conditioning and

ventilation. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination thereof.

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Am 2(International), 2008-08-15 Am 1(International), 2007-08-03

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Gr 10

0745-1:2010 / IEC 60745-1:2006	
eld motor-operated electric tools - Safety Part 1	: General requirements
A4 142p EN PDF 142p EN	Gr 17 25.140.20
th the safety of hand-held motor-operated or magr hase a.c. or d.c. tools, and 440 V for three-phase a	netically driven electric tools, the rated voltage of the tools being nate. tools.
Standards So	outh Africa Catalogue 2013 NUM - 760

SANS 60730-2-15:2008 / IEC 60730-2-15:2008

Automatic electrical controls for household and similar use Part 2-15: Particular requirements for automatic electrical air flow, water flow and water level sensing controls Ed 2.00 A4 28p EN Gr 10 PDF 28p EN 91.140.65

Applies to automatic electrical air flow, water flow and water level sensing controls for use in, or in association with, boilers with a maximum pressure rating of 2 000 kPA (20 bar) and equipment for general household and similar use including controls for heating, air-conditioning and similar applications. Applies to the inherent safety, operating values, operating sequences where such are associated with equipment protection, and the testing of automatic electrical air flow, water flow and water level sensing controls used in, or in association with, household and similar equipment.

SANS 60730-2-16:2007 / IEC 60730-2-16:2001

Automatic electrical controls for household and similar use Part 2-16: Particular requirements for automatic electrical water level controls of the float type for household and similar applications Gr 8

Ed	1.02	A4 16p EN	
		PDF 16p EN	

Applies to automatic electrical water level operating controls of float type for use in, on or in association with equipment for general household and similar use.

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Am 1(International), 2007-08-03 Am 2(International), 2007-08-03

SANS 60730-2-17:2008 / IEC 60730-2-17:2007

Automatic electrical controls for household and s	similar use Part 2-17: Particular requirements for electrically operated gas valves
including mechanical requirements	
Ed 1.02 A4 33p EN	Gr 11

_d	1.02	A4 33p EN	Gr 11
		PDF 33p EN	97.120

Applies to electrically operated gas valves for use in, on or in association with, equipment for household and similar use that use electricity, in combination with fuel in the gaseous state such as manufactured gas, natural gas or liquefied petroleum gas intended to be used for gas burning equipment. Am 2(International), 2008-08-01

Am 1(International), 2007-08-03

SANS 60730-2-18:2007 / IEC 60730-2-18:1997

Automatic electrical controls for household and similar use P	Part 2-18: Particular requirements for automatic electrical water and air
flow sensing controls, including mechanical requirements	

Ed 1.00	A4 21p EN	Gr 9
	PDF 21p EN	97.120

Applies to automatic electrical water and air flow sensing controls for use in, on or in association with equipment for household and similar use including controls for heating, air-conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy etc., or a combination thereof.

SANS 60730-2-19:2008 / IEC 60730-2-19:2007

Automatic electrical controls for household and similar use Part 2-19: Par	ticular requirements for electrically operated oil valves,
including mechanical requirements	
Ed 1.02 A4 31p EN	Gr 11

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		DDE 21n EN		
		-		

Applies to electrically operated oil valves for use in, on or in association with equipment for household and similar use that use electricity, in combination with fuel in the liquid state such as distillates, residual fuels, etc. Am 1(International), 2007-08-03 Am 2(International), 2008-08-01

SANS 60734:2006 / IEC 60734:2001

(SABS IEC 60734)

Household electrical appliances - Performance - Hard water for testing Ed 2.00 A4 16p EN Gr 8 PDF 16p EN 97.020

Describes the preparation of three types of water of different hardness intended to be used for testing the performance of household appliances such as washing machines, dishwashers, dryers, steam irons, etc. Defines the characteristics of these waters and establishes various methods to be used for obtaining them.

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Ed 4.00	A4 142p EN	Gr 17	7
	PDF 142p EN	25.140	0.20

Deals wi ot more than 250 V for sinale-ph

SANS 60745-2-1:2009 / IEC 60745-2-1:2008 (SABS IEC 60745-2-1) Hand-held motor-operated electric tools - Safety Part 2-1: Particular requirem	nents for drills and impact drills
Ed 2.01 A4 15p EN PDF 15p EN	Gr 8
Applies to drills and impact drills specifically designed to bore holes in various mat Am 1(International), 2009-10-30	erials such as metal, plastics, wood, etc.
SANS 60745-2-2:2008 / IEC 60745-2-2:2008 (SABS IEC 60745-2-2) Hand-held motor-operated electric tools - Safety Part 2-2: Particular requirem Ed 2.01 A4 11p EN PDF 11p EN	nents for screwdrivers and impact wrenches Gr 7 25.140.20
Deals with the safety of hand-held motor-operated or magnetically driven electric to single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools. Applies to scree Am 1(International), 2008-11-28	ools, the rated voltage of the tools being not more than 250 V for ewdrivers and impact wrenches.
SANS 60745-2-3:2007 / IEC 60745-2-3:2006 (SABS IEC 60745-2-3)	
Hand-held motor-operated electric tools - Safety Part 2-3: Particular requirem Ed 2.00 A4 37p EN PDF 37p EN	nents for grinders, polishers and disk-type sanders Gr 11 25.140.20
Applies to grinders, with a rated speed not exceeding a peripheral speed of the accession of the accession of the sanders, including angle, straight and vertical. It also applies to tools with a rated of polishers and random-orbit sanders.	cessory of 80 m/s at rated capacity; polishers and disk-type capacity not exceeding 230 mm. It does not apply to random-orbit
SANS 60745-2-4:2007 / IEC 60745-2-4:2006 (SABS IEC 60745-2-4)	
Ed 2.00 A4 10p EN PDF 10p EN	Gr 6 25.140.20
Applies to sanders with the exception of all types of disc-type sanders, which are or identical adoption under the designation SANS 60745-2-3).	overed by IEC 60745-2-3 (published in South Africa as an
SANS 60745-2-5:2011 / IEC 60745-2-5:2010 (SABS IEC 60745-2-5)	
Hand-held motor-operated electric tools - Safety Part 2-5: Particular requirem Ed 4.00 A4 50p EN PDF 50p EN	nents for circular saws Gr 12 13.110; 25.140.20
Deals with the safety of hand-held motor-operated or magnetically driven circular s for single-phase a.c. or d.c. saws, and 440 V for three-phase a.c. saws. Applies to abrasive wheels.	aws, the rated voltage of the saws being not more than 250 V all types of circular saws except for saws designed for use with
SANS 60745-2-6:2007 / IEC 60745-2-6:2006 (SABS IEC 60745-2-6)	
Hand-held motor-operated electric tools - Safety Part 2-6: Particular requirem	nents for hammers
Ed 2.01 A4 16p EN PDF 16p EN	Gr 8 25.140.20
Deals with the safety of hand-held motor-operated or magnetically driven hammers for single-phase a.c. or d.c. hammers, and 440 V for three-phase a.c. hammers. In Am 1(International), 2007-04-13	s, the rated voltage of the hammers being not more than 250 V ncludes, but are not limited to, percussion and rotary hammers.
SANS 60745-2-7:1989 / IEC 60745-2-7:1989 (2007-04-13) (SABS IEC 60745-2-7) Safety of hand-held motor-operated electric tools Part 2-7: Particular required	ments for spray guns for non-flammable liquids
Ed 1.00 A4 11p EN PDF 11p EN	Gr 8 25.140.20; 87.100
Applies to spray guns used for spraying non-flammable liquids which incorporate tAm 1(National), 1998-05-18Am 2(National), 2007-04-13	he motor in the hand-held unit.
SANS 60745-2-8:2010 / IEC 60745-2-8:2008 (SABS IEC 60745-2-8)	
Hand-held motor-operated electric tools - Safety Part 2-8: Particular requirem	nents for shears and nibblers
Ed 2.01 A4 10p EN PDF 10p EN	Gr 6 25 140 20
Deals with the safety of hand-held motor-operated or magnetically driven shears a	nd nibblers, the rated voltage of the shears and nibblers being

Deals with the safety of hand-held motor-operated or magnetically driven shears and nibblers, the rated voltage of the shears and nibblers being not more than 250 V for single-phase a.c. or d.c. shears and nibblers, and 440 V for three-phase a.c. shears and nibblers. Am 1(International), 2010-09-17

Standards South Africa Catalogue 2013

SANS 60745-2-9:2009 / IEC 60745-2-9:2008 (SABS IEC 60745-2-9) Hand-held motor-operated electric tools - Safety Part 2-9: Particular requirements for tappers Ed 2.01 A4 10p EN Gr 6 PDF 10p EN 25,140,20 Deals with the safety of hand-held motor-operated or magnetically driven electric tools, the rated voltage of the tools being not more than 250 V for single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools. Applies to tappers. Am 1(International), 2009-07-10 SANS 60745-2-11:2009 / IEC 60745-2-11:2008 (SABS IEC 60745-2-11) Hand-held motor-operated electric tools - Safety Part 2-11: Particular requirements for reciprocating saws (jig and sabre saws) Gr 7 Ed 2.01 A4 12p EN PDF 12p EN 25,140,20 Applies to reciprocating saws used by a single person for cutting various materials with a blade or blades. Also covers tools including, but not limited to, jig saws and reciprocating saws (sabre saws). Am 1(International), 2009-11-27 SANS 60745-2-12:2009 / IEC 60745-2-12:2008 (SABS IEC 60745-2-12) Hand-held motor-operated electric tools - Safety Part 2-12: Particular requirements for concrete vibrators Ed 2.01 A4 12p EN Gr 7 PDF 12p EN 25.140.20 Applies to concrete vibrators for compacting concrete, designed for use by one person. Am 1(International), 2009-11-06 SANS 60745-2-13:2012 / IEC 60745-2-13:2011 (SABS IEC 60745-2-13) Hand-held motor-operated electric tools - Safety Part 2-13: Particular requirements for chain saws Ed 2.01 A4 35p EN Gr 11 PDF 35p EN 25.140.20; 29.020 Deals with the safety of hand-held motor-operated or magnetically driven electric tools, the rated voltage of the tools being not more than 250 V for single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools. Applies to chain saws for cutting wood and designed for use by one person. Does not cover chain saws designed for use in conjunction with a guide plate and riving knife or in any other way such as with a support or as a stationary or transportable machine. Am 1(International), 2012-06-22 SANS 60745-2-14:2012 / IEC 60745-2-14:2010 (SABS IEC 60745-2-14) Hand-held motor-operated electric tools - Safety Part 2-14: Particular requirements for planers Ed 2.02 A4 16p EN Gr 8 PDF 16p EN 25.140.20; 29.020 Deals with the safety of hand-held motor-operated or magnetically driven electric tools, the rated voltage of the tools being not more than 250 V for single phase a.c. or d.c. tools, 440 V for three-phase a.c. tools. Applies to planners. Am 1(International), 2010-06-25 Am 2(International), 2012-06-22 SANS 60745-2-15:2010 / IEC 60745-2-15:2009 (SABS IEC 60745-2-15) Hand-held motor-operated electric tools - Safety Part 2-15: Particular requirements for hedge trimmers Ed 2.01 A4 26p EN Gr 10 PDF 26p EN 25.140.20; 65.060.80 Applies to hedge trimmers which are designed for use by one operator for trimming hedges and bushes, ultilizing one or more linear reciprocating cutter blades. Does not apply to hedge trimmers with a rotating blade. Am 1(International), 2010-01-22 SANS 60745-2-16:2008 / IEC 60745-2-16:2008 (SABS IEC 60745-2-16) Hand-held motor-operated electric tools - Safety Part 2-16: Particular requirements for tackers Ed 2.00 A4 15p EN Gr 8 PDF 15p EN 25.140.20 Deals with the safety of hand-held motor-operated tackers intended for general use, with a rated voltage of not more than 250 V for single-phase a.c. or d.c. tackers and 440 V for three-phase a.c. tackers. Does not apply to tackers intended for industrial production applications.

SANS 60745-2-17:2003 / IEC 60745-2-17:2003 (2008-12-12)	
Hand-held motor-operated electric tools - Safety Part 2-17: Particular require	ments for routers and trimmers
Ed 2.00 A4 11p EN	Gr 7
PDF 11p EN	25.140.20
Deals with the safety of hand-held motor-operated or magnetically driven electric to singe-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools. Applies to rout	pols, the rated voltage of the tools being not more than 250 V for ers and trimmers.
SANS 60745-2-18:2008 / IEC 60745-2-18:2008	
Hand-held motor-operated electric tools - Safety Part 2-18: Particular required	Gr 6
PDF 10p EN	25.140.20
Deals with the safety of hand-held motor-operated or magnetically driven strapping for single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools. Am 1(International), 2008-09-05	tools, the rated voltage of the tools being not more than 250 V
SANS 60745-2-19:2012 / IEC 60745-2-19:2010	
Hand-held motor-operated electric tools - Safety Part 2-19: Particular required	ments for jointers
Ed 1.01 A4 13p EN PDF 13p EN	Gr 8 25 140 20
Deals with the safety of hand-held motor-operated or magnetically driven electric to single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools. Applies to join Am 1(International), 2012-06-22	pols, the rated voltage of the tools being not more than 250 V for ters for cutting into wood or similar material.
SANS 60745-2-20:2009 / IEC 60745-2-20:2008	
Hand-held motor-operated electric tools - Safety Part 2-20: Particular required	ments for band saws
Ed 1.01 A4 8p EN	Gr 6
	25.140.20
single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools. Am 1(International), 2009-07-17	vs, the rated voltage of the saws being not more than 250 V for
SANS 60745-2-21:2010 / IEC 60745-2-21:2008	
Hand-held motor-operated electric tools - Safety Part 2-21: Particular require	ments for drain cleaners
Ed 1.01 A4 9p EN PDF 9p EN	Gr 6
Deals with the safety of hand-held motor-operated or magnetically driven electric d than 250 V for single-phase a.c. or d.c. cleaners, and 440 V for three-phase a.c. cl	Irain cleaners, the rated voltage of the cleaners being not more eaners.
Am 1(International), 2010-04-16	
SANS 60751:1983 / IEC 60751:1983 (2007-03-30) (SABS IEC 60751)	
Ed 1 00 A4 330 EN	Gr 12
PDF 33p EN	17.200.20
Specifies requirements for industrial platinum resistance thermometer sensors who Covers thermometers suitable for all or part of the temperature range -200 degrees concerned with sheathed elements suitable for immersion in the medium whose te Am 1(International), 1999-09-23 Am 2(International), 1999-09-23	ose electrical resistance is a defined function of temperature. s C to +850 degrees C with two tolerance classes. Is primarily mperature is to be measured. Am 1(National), 2007-03-30
SANS 60754-1-1994 / JEC 60754-1-1994 (2008-04-25)	
(SABS IEC 60754-1)	
Test on gases evolved during combustion of materials from cables Part 1: De	etermination of the amount of halogen acid gas
Ed 1.00 A4 15p EN	Gr 9
	29.060.20
compounds based on halogenated polymers, and compounds containing halogenated Am 1(National) , 2008-04-25	ated additives taken from cable constructions.
SANS 60754-2:1991 / IEC 60754-2:1991 (2008-07-04) (SABS IEC 60754-2)	
Test on gases evolved during combustion of materials from cables Part 2: De	etermination of degree of acidity of gases by measuring
Ed 1.00 A4 16p EN	Gr 9
PDF 16p EN	13.220.40; 29.060.20
Specifies a method for the determination of the degree of acidity of gases evolved	during the combustion of compounds taken from cable
components.Am 1(International), 1997-09-01Am 1(National), 2008-07-04	

Standards South Africa Catalogue 2013

NUM - 763

Lists and gives an overview of the documents giving the uniform requirements for measuring and testing optical fibres, thereby assisting in the inspection of fibres and cables for commercial (mostly telecommunications) purposes.

Gr 7

33.180.10

SANS 60793-1-20:2002 / IEC 60793-1-20:2001 (2009-03-27)

SANS 60793-1-1:2008 / IEC 60793-1-1:2008

Optical fibres Part 1-20: Measurement methods and test procedures - Fibre geometry

Ed 1.00	A4 28p EN	Gr 10
	PDF 28p EN	33.180.10

Optical fibres Part 1-1: Measurement methods and test procedures - General and guidance

Establishes uniform requirements for measuring the geometrical characteristics of uncoated optical fibres. The geometrical characteristics of uncoated optical fibres are fundamental values and are necessary for carrying out subsequent procedures such as handling, splicing, connectorization, cabling and measurements.

SANS 60793-1-21:2001 / IEC 60793-1-21:2001 (2013-02-01)	SANS 60793-1-21:2001	/ IEC 60793-1-21:2001	(2013-02-01)
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(SABS IEC 60793-1-21)

(SABS IEC 60793-1-1)

Ed 3.00 A4 11p EN

PDF 11p EN

Optical fibres Part 1-21: Measurement methods and test procedures - Coatin	g geometry
Ed 1.00 A4 17p EN	Gr 8

d 1.00 A4 17p EN	Gr 8
PDF 17p EN	33.180.01

Establishes uniform requirements for measuring the coating geometry of optical fibre. Coating geometry measurements are fundamental values that need to be known for subsequent procedures such as cabling, connectorization, splicing, handling and for making other measurements. Am 1(National), 2007-07-27

SANS 60793-1-22:2001 / IEC 60793-1-22:2001 (2013-02-01)

(SABS IEC 60793-1-22)

Optical fibres Part 1-22: Measurement methods and test procedures - Length measurement Ed 1 00 A4 325 EN

Еα	1.00	A4 320 EN	Grii
		PDF 32p EN	33.180.01

Establishes uniform requirements for measuring the length and elongation of optical fibre (typically within cable). The length of an optical fibre is one of the most fundamental values and shall be known for the evaluation of transmission characteristics such as losses and bandwiths. Am 1(National), 2007-07-27

SANS 60793-1-30:2010 / IEC 60793-1-30:2010

(SABS IEC 60793-1-30)

Optical fibres Part 1-30: Measurement methods and test procedures - Fibre proof test

Ed	2.00	A4 13p EN
		PDF 13p EN

Describes procedures for briefly applying a specified tensile load as a proof test to continuous lengths of optical fibre. The tensile load is applied for as short a time as possible, yet sufficiently long to ensure the glass experiences the proof stress, typically much less than one second. This method is applicable to types A1, A2, A3 and B optical fibres.

SANS 60793-1-31:2010 / IEC 60793-1-31:2010

(SABS IEC 60793-1-31)

Ed 2.00	A4 23p EN	Gr 10
	PDF 23p EN	33.180.10

Provides values of the tensile strength of optical fibre samples and establishes uniform requirements for the mechanical characteristic - tensile strength. The method tests individual lengths of uncabled and unbundled glass optical fibre. Sections of fibre are broken with controlled increasing stress or strain that is uniform over the entire fibre length and cross section. The stress or strain is increased at a nominally constant rate until breakage occurs.

SANS 60793-1-32:2010 / IEC 60793-1-32:2010

(SABS IEC 60793-1-32)

Optical fibres Part 1-32: Measurement methods and test procedures - Coating strippability

Ed 2.00 A4 11p EN PDF 11p EN

Covers primarily the testing of either fibres as produced by a fibre manufacturer or subsequently overcoated (tight buffered) using various polymers. The test can be performed either on fibres as produced or after exposure to various environments. This test applies to A1, A2, A3, B and C fibres

NUMERICAL LIST OF STANDARDS

Gr 7

Gr 8

33.180.10

33.180.10

SANS 60793-1-33:2001 / IEC 60793-1-33:2001 (2013-03-01) (SABS IEC 60793-1-33)	
Optical fibres Part 1-33: Measurement methods and test procedures - Stress	corrosion susceptibility
Ed 1.00 A4 40p EN	Gr 11
PDF 40p EN	33.180.01
Contains descriptions of the five main test methods concerning the determination of Am 1(National), 2007-08-31	of stress corrosion susceptibility parameters.
SANS 60793-1-34:2006 / IEC 60793-1-34:2006 (2012-09-21) (SABS IEC 60793-1-34)	
Optical fibres Part 1-34: Measurement methods and test procedures - Fibre c	url
Ed 2.00 A4 18p EN	Gr 8
PDF 18p EN	33.180.10
Establishes uniform requirements for the mechanical characteristic: fibre curl or lat	ent curvature, in uncoated optical fibres.
SANS 60793-1-40:2001 / IEC 60793-1-40:2001 (2013-02-22) (SABS IEC 60793-1-40)	
Optical fibres Part 1-40: Measurement methods and test procedures - Attenua	ation
Ed 1.00 A4 30p EN	Gr 10
	33.180.10
Establishes uniform requirements for measuring the attenuation of optical fibre, the commercial purposes. Four methods are described: cut-back, insertion loss, backs Am 1(National), 2007-08-31	ereby assisting in the inspection of fibres and cables for scattering, and modelling spectral attenuation.
SANS 60793-1-41:2006 / IEC 60793-1-41:2003 (SABS IEC 60793-1-41)	
Optical fibres Part 1-41: Measurement methods and test procedures - Bandw	idth
Ed 2.00 A4 63p EN	Gr 14
PDF 63p EN	33.180.10
Describes two methods for determining and measuring the modal bandwidth of mu	Ilti-mode optical fibres.
SANS 60793-1-42:2008 / IEC 60793-1-42:2007 (SABS IEC 60793-1-42)	
Optical fibres Part 1-42: Measurement methods and test procedures - Chrome	atic dispersion
Ed 2.00 A4 33p EN	Gr 11
PDF 33p EN	33.180.10
Establishes uniform requirements for measuring the chromatic dispersion of optical commercial purposes. Four methods are described: phase shift, spectral group de interferometry.	I fibre, thereby assisting in the inspection of fibres and cables for lay in the time domain, differential phase shift, and
SANS 60793-1-43:2001 / IEC 60793-1-43:2001 (2013-02-22) (SABS IEC 60793-1-43)	
Optical fibres Part 1-43: Measurement methods and test procedures - Numer	ical aperture
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	33.180.10
Establishes uniform requirements for measuring the numerical aperture of optical f commercial purposes. Numerical aperture is used to predict launching efficiency, je Am 1(National), 2007-09-14	ibre, thereby assisting in the inspection of fibres and cables for oint loss at splices, and micro/macrobending performance.
SANS 60793-1-44:2001 / IEC 60793-1-44:2001 (2007-09-14) (SABS IEC 60793-1-44)	
Optical fibres Part 1-44: Measurement methods and test procedures - Cut-off	wavelength
Ed 1.00 A4 25p EN PDF 25p EN	Gr 10 33.180.10
Establishes uniform requirements for measuring the cut-off wavelength of single-m cables for commercial purposes. Two methods are provided: using uncabled fibre; Am 1(National), 2007-09-14	ode optical fibre, thereby assisting in the inspection of fibres and using cabled fibre.
SANS 60793-1-45:2001 / IEC 60793-1-45:2001 (2009-03-27) (SABS IEC 60793-1-45)	
Optical fibres Part 1-45: Measurement methods and test procedures - Mode f	ield diameter
Ed 1.00 A4 30p EN	Gr 10
PDF 30p EN	33.180.10
Establishes uniform requirements for measuring the mode field diameter(MFD)of or cables for commercial purposes. Four methods are described :direct far-field scan backscatter using an optical time domain reflectometer (OTDR).	ptical fibre, thereby assisting in the inspection of fibres and variable aperture in the far field; near-field scan;bi-directional

Cor 1(International), 2003-08-08

Standards South Africa Catalogue 2013

33,180,10 Establishes uniform requirements for the monitoring of changes in optical transmittance, thereby assisting in the inspection of fibres and cables for commercial purposes. Two methods are given: change in transmittance by transmitted power; change in transmittance by backscattering. Am 1(National), 2007-09-14 SANS 60793-1-47:2009 / IEC 60793-1-47:2009 (SABS IEC 60793-1-47) Optical fibres Part 1-47: Measurement methods and test procedures - Macrobending loss Ed 3.00 A4 17p EN Gr 8 PDF 17p EN 33,180,10 Establishes uniform requirements for measuring the macrobending loss of single-mode fibres (category B) at 1 550 nm or 1 625 nm, category A1 multimode fibres at 850 nm or 1 300 nm, and categories A3 and A4 multimode fibres at 650 nm, 850 nm or 1 300 nm. This assists in the inspection of fibres and cables for commercial purposes. SANS 60793-1-48:2007 / IEC 60793-1-48:2007 (2013-02-22) Optical fibres Part 1-48: Measurement methods and test procedures - Polarization mode dispersion Ed 2.00 A4 48p EN Gr 12 PDF 48p EN 33.180.10 Applies to three methods of measuring polarization mode dispersion (PMD). Establishes uniform requirements for measuring the PMD of singlemode optical fibre, thereby assisting in the inspection of fibres and cables for commercial purposes. SANS 60793-1-49:2006 / IEC 60793-1-49:2006 (2012-09-21) Optical fibres Part 1-49: Measurement methods and test procedures - Differential mode delay Ed 2.00 A4 30p EN Gr 10 PDF 30p EN 33.180.10

Optical fibres Part 1-46: Measurement methods and test procedures - Monitoring of changes in optical transmittance

Describes a method for characterizing the modal structure of a graded-index multimode glass-core fibre.

SANS 60793-1-50:2001 / IEC 60793-1-50:2001 (2013-02-22)

SANS 60793-1-46:2001 / IEC 60793-1-46:2001 (2007-09-14)

(SABS IEC 60793-1-46)

PDF 15p EN

Ed 1.00 A4 15p EN

(SABS IEC 60793-1-50)	
Optical fibres Part 1-50: Measurement methods and test procedures	- Damp heat (steady state)
Ed 1.00 A4.11n EN	Gr 7

PDF 11p EN 33.180.10 Provides a practical method for evaluating fibre performance in a defined environment. The test is primarily intended to permit the observation of effects of high humidity at constant temperature over a given period.

Am 1(National), 2007-09-14

SANS 60793-1-51:2001 / IEC 60793-1-51:2001 (2013-02-22)

(SABS IEC 60793-1-51)

Optical fibres Part 1-51: Measurement methods and test procedures - Dry heat

Ed 1.00 A4 11p EN PDF 11p EN

Provides a practical method for evaluating fibre performance in a defined environment. Determines the suitability of optical fibre to withstand the high temperature that may occur in actual use, storage and transport. The test is primarily intended to permit the observation of effects of high temperature over a given period.

Am 1(National), 2007-09-14

SANS 60793-1-52:2001 / IEC 60793-1-52:2001 (2013-02-22)

(SABS IEC 60793-1-52)

Optical fibres Part 1-52: Measurement methods and test procedures - Change of temperature

Ed 1.00 A4 11p EN PDF 11p EN

Provides a practical method for evaluating fibre performance in a defined environment. The test is primarily intended to permit the observation of the effects of temperature changes over a given period.

Am 1(National), 2007-09-14

SANS 60793-1-53:2001 / IEC 60793-1-53:2001 (2013-02-22)

(SABS IEC 60793-1-53)

Optical fibres Part 1-53: Measurement methods and test procedures - Water immersion

Ed 1.00	A4 10p EN	Gr	6
	PDF 10p EN	33.	180.1

Provides a practical method for evaluating fibre performance in a defined environment such as the environmental condition of immersion in distilled or demineralized water, which may occur in actual use, storage or transport (or a combination of these). Am 1(National), 2007-09-14

> Standards South Africa Catalogue 2013 NUM - 766

NUMERICAL LIST OF STANDARDS

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Gr 7

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SANS 60793-1-54:2004 / IEC 60793-1-54:2003 (2009-08-28)

Optical fibres Part 1-54: Measurement methods and test procedures - Gamma irradiation

Ed 1.00 A4 13p EN PDF 13p EN

This standard outlines a method for measuring the steady state response of optical fibres and optical cables exposed to gamma radiation. It can be employed to determine the level of radiation-induced attenuation produced in single-mode or multimode optical fibres, in either cabled or uncabled form, due to exposure to gamma radiation. It should be noted that this test is not a material test for the non-optical material components of a fibre optic cable - if the degradation of cable materials exposed to irradiation is to be studied, other test methods will be required.

SANS 60793-2:2008 / IEC 60793-2:2007

(SABS IEC 60793-2) **Optical fibres Part 2: Product specifications - General**

Ed 4.00 A4 10p EN Gr 6 PDF 10p EN 33.180.10

Contains the general specifications for both multimode and single-mode optical fibres. Sectional specifications for each of the four multimode categories: A1, A2, A3 and A4 contain requirements specific to each category.

SANS 60793-2-10:2008 / IEC 60793-2-10:2007

Optical fibres Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres

Ed 3.00	A4 34p EN	
	PDF 34p EN	

Applicable to optical fibre types A1a, A1b, and A1d. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables.

SANS 60793-2-20:2008 / IEC 60793-2-20:2007

Optical fibres Part 2-20: Product specifications - Sectional specification for category A2 multimode fibres

Ed 2.00 A4 16p EN PDF 16p EN

Applicable to optical fibre types A2a, A2b and A2c. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables (typically up to 2 km).

SANS 60793-2-30:2008 / IEC 60793-2-30:2007

Optical fibres Part 2-30: Product specifications	- Sectional specification for	or category A3 multimode fibres
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Ed	2.00	A4 16p EN
		PDF 16p EN

Applicable to optical fibre types A3a, A3b, A3c, and A3d. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables (typically up to 2 km).

SANS 60793-2-40:2009 / IEC 60793-2-40:2009

Optical fibres Part 2-40: Product specifications - Sectional specification for category A4 multimode fibres Ed 3.00 A4 10p EN Gr 6

PDF 10p EN

Covers the optical fibre categories A4a, A4b, A4c, A4d, A4e, A4f, A4g and A4h with plastic core and plastic cladding that may have step-index, multi-step index, or graded-index profiles used in information transmission equipment and optical fibre cables.

SANS 60793-2-50:2008 / IEC 60793-2-50:2008

Optical fibres Part 2-50: Product specifications - Sectional specification for class B single-mode fibres

Ed 3.00	A4 25p EN	Gr 11
	PDF 25p EN	33.180.10

Applicable to optical fibre types B1.1, B1.2, B1.3, and categories B2, B4, B5 and B6. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables.

SANS 60794-1-1:2001 / IEC 60794-1-1:2001 (2007-07-27)

(SABS IEC 60794-1-1)

Optical fibre cables Part 1-1: Generic specification - General Ed 2.00 A4 35p EN PDF 35p EN

Applies to optical fibre cables for use with telecommunications equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors. Am 1(National), 2007-07-27

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SANS 60 (SABS IE	794-1-2:2003 / IEC 60794-1-2:2003 (2009-03-27) C 60794-1-2)	
Optical f	ibre cables Part 1-2: Generic specification - Basic optical cable test	procedures
Ed 2.00	A4 100p EN	Gr 15
	PDF 100p EN	33.180.10
Applies to combinat for the ge electrical	o optical fibre cables for use with telecommunication equipment and devic ion of both optical fibres and electrical conductors. The object is to define cometrical, transmission, material, mechanical, ageing (environmental exp requirements where appropriate.	es employing similar techniques, and to cables having a test procedures to be used in establishing uniform requirements posure) and climatic properties of optical fibre cables, and
SANS 60	794-2-10:2006 / IEC 60794-2-10:2003	
Optical f	ibre cables Part 2-10: Indoor cables - Family specification for simple	x and duplex cables
Ed 1.00	A4 14p EN	Gr 7
	PDF 14p EN	33.180.10
Covers si	mplex and duplex optical fibre cables for indoor use.	
SANS 60	794-2-11:2006 / IEC 60794-2-11:2005	
Optical f	ibre cables Part 2-11: Indoor cables - Detailed specification for simp	lex and duplex cables for use in premises cabling
Ed 1.00	A4 9p EN	Gr 6
	PDF 9p EN	33.180.10
Presents	the detailed requirements specific to simplex and duplex cables for use in	n premises cabling, to ensure compatibility with SANS 11801.
SANS 60	794-2-20:2009 / IEC 60794-2-20:2008	
Optical f	ibre cables Part 2-20: Indoor cables - Family specification for multi-f	bre optical distribution cables
Ed 2.00	A4 25p EN	Gr 10
	PDF 25p EN	33.180.10
Covers m	ulti-fibre optical distribution cables for indoor use.	
SANS 60 Optical f	794-2-21:2006 / IEC 60794-2-21:2005 ibre cables Part 2-21: Indoor cables - Detailed specification for multi	fibre optical distribution cables for use in premises
Ed 1 00	A4 9n FN	Gr 6
	PDF 9p EN	33 180 10
Presents 11801.	the detailed requirements specific to multi-fibre optical distribution cables	for use in premises cabling, to ensure compatibility with SANS
SANS 60	794-2-30·2009 / IEC 60794-2-30·2008	
Ontical f	ibre cables Part 2-30: Indoor cables - Family specification for ribbon	cables
Ed 2.00	A4 23n EN	Gr 10
Lu 2.00	PDF 23p EN	33 180 10
Covers o	ptical fibre ribbon cables for indoor use.	00.100.10
	704.2-21-2006 / IEC 60704.2-21-2005	
Ontical f	ibre cables Part 2-31: Indoor cables - Detailed energication for ontic	al fibre ribbon cables for use in premises cabling
	A4 10n EN	
Eu 1.00	PDF 10p EN	GI 6 22 190 10
Presents	the detailed requirements specific to optical fibre ribbon cables for use in	premises cabling, to ensure compatibility with SANS 11801.
SANS 60	794-2-40:2009 / IEC 60794-2-40:2008	
Optical f	ibre cables Part 2-40: Indoor optical fibre cables - Family specification	on for A4 fibre cables
Ed 2.00	A4 10n FN	Gr 6
Lu 2.00	PDF 10p EN	33 180 10
Covers th	e family specification of buffered A4 fibres and cabled A4 fibres for indoo	r use.
0.010		
SANS 60 Optical f assembl	794-2-50:2008 / IEC 60794-2-50:2008 ibre cables Part 2-50: Indoor cables - Family specification for simple ies	x and duplex cables for use in terminated cable
Ed 1.00	A4 32p EN	Gr 11
	PDF 32p EN	33.180.10
Covers re compone	equirements for simplex and duplex optical fibre cables for use in terminal nts.	ed cable assemblies or for termination with optical fibre passive

SANS 60794-2:2003 / IEC 60794-2:2002 (2009-03-27)	
Optical fibre cables Part 2: Indoor cables - Sectional specification	
Ed 2.00 A4 9p EN	Gr 6
PDF 9p EN	33.180.10
Gives requirements that apply to optical fibre cables for indoor use with application equipment and communication and transmission networks. Shall be read in conjur 2/IEC 60794-1-2.	ns such as transmission, telephone and data processing inction with SANS 60794-1-1/IEC 60794-1-1 and SANS 60794-1-
SANS 60794-3-10:2009 / IEC 60794-3-10:2009 Optical fibre cables Part 3-10: Outdoor cables - Family specification for duct, telecommunication cables	directly buried and lashed aerial optical
Ed 2.00 A4 27p EN PDF 27p EN	Gr 10 33.180.10
Covers optical telecommunication cables to be used in ducts, direct buried or lash specification SANS 60794-3/IEC 60794-3 for duct, buried and aerial cables are ap	ed aerial applications. Requirements of the sectional plicable.
SANS 60794-3-11:2008 / IEC 60794-3-11:2007 Optical fibre cables Part 3-11: Outdoor cables - Detailed specification for duc telecommunication cables	t and directly buried single-mode optical fibre
Ed 1.00 A4 29p EN	Gr 10
PDF 29p EN	33.180.10
Sets forth technical requirements and characteristics of single-mode optical fibre c mechanical, environmental and optical requirements, recommended features and requirements.	ables for duct and direct buried installation. Includes functional test methods for assessing the product against the stated
SANS 60794-3-12:2006 / IEC 60794-3-12:2005 (2013-03-15) Optical fibre cables Part 3-12: Outdoor cables - Detailed specification for duc for use in premises cabling	t and directly buried optical telecommunication cables
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	33.180.10
Presents the detailed requirements specific to duct and directly buried optical telec	communication cables for use in premises cabling.
SANS 60794-3-20:2010 Optical fibre cables Part 3-20: Outdoor cables - Family specification for self-s	supporting aerial telecommunication cables
PDF 24p EN	33 180 10
IEC 60794-3-20:2008, MOD Covers optical self-supporting aerial telecommunication cables.	
SANS 60794-3-21-2006 / IEC 60794-3-21-2005 (2013-03-15)	
Optical fibre cables Part 3-21: Outdoor cables - Detailed specification for opt use in premises cabling	ical self-supporting aerial telecommunication cables for
Ed 1.00 A4 9p EN	Gr 6
	33.180.10
Presents the detailed requirements specific to optical self-supporting telecommuni	cation cables for use in premises cabling.
SANS 60794-4:2004 / IEC 60794-4:2003 (2009-08-28)	
Ed 1 00. A4 19p EN	
PDF 19p EN	33.180.10
Specifies the electrical, mechanical and optical requirements and test methods for OPPC (optical phase conductor), MASS (metallic aerial self-supported cable), ADS attached cable).	aerial optical cables including OPGW (optical ground wire), SS (all-dielectric self-supporting cable) and OPAC (optical
SANS 60794-4-10:2011 / IEC 60794-4-10:2006 Optical fibre cables Part 4-10: Aerial optical cables along electrical power line Wires)	es - Family specification for OPGW (Optical Ground
Ed 1.00 A4 15p EN PDF 15p EN	Gr 8 33.180.10
Specifies the electrical, mechanical and optical requirements, and test methods fo	r OPGW (Optical Ground Wire).
SANS 60794-5:2007 / IEC 60794-5:2006 (2013-02-22)	
Optical fibre cables Part 5: Sectional specification - Microduct cabling for ins	stallation by blowing
Ed 1.00 A4 13p EN	Gr 7
	33.180.10
Specifies the requirements of microduct optical fibre cables, microduct fibre units, for outdoor or indoor use (or both).	microducts and protected microducts for installation by blowing

Standards South Africa Catalogue 2013

Gr 7

29.060.20

SANS 60799:2007 / IEC 60799:1998 (2011-10-07)

Electrical accessories - Cord sets and interconnection cord sets

Ed 1.00 A4 11p EN PDF 11p EN

Specifies requirements for cord sets and interconnection cord sets for household and similar general purpose equipment. Does not apply to cord sets for industrial purposes nor to cord extension sets.

SANS 60811-1-1:2001 / IEC 60811-1-1:2001 (2008-04-04)

(SABS IEC 60811-1-1)

Common test methods for insulating and sheathing materials of electric cables and optical cables Part 1-1: Methods for general application - Measurement of thickness and overall dimensions - Tests for determining the mechanical properties Gr 11

Ed 1.01 A4 26p EN PDF 26p EN

Specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications, including cables used on ships and in off-shore applications. Gives the methods for measuring thicknesses and overall dimensions and for determining the mechanical properties, which apply to the most common types of insulating and sheathing compounds. Am 1(International), 2001-09-17 Am 1(National), 2008-04-04

SANS 60811-1-2:1985 / IEC 60811-1-2:1985 (2008-06-06)

(SABS IEC 60811-1-2)

Common test methods for insulating and sheathing materials of electric and optical cables Part 1: Methods for general application Section 2: Thermal ageing methods

Ed 1.00 A4 19p EN PDF 19p EN

Specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications, including cables used on ships. Gives the thermal ageing methods which apply to the most common types of insulating and sheathing compounds.

Am 1(International), 1993-08-09	
Cor 1(International), 2008-06-06	

SANS 60811-1-3:2001 / IEC 60811-1-3:2001 (2008-04-04) (SABS IEC 60811-1-3)

Common test methods for insulating and sheathing materials of electric and optical cables Part 1-3: General application - Methods for determining the density - Water absorption tests - Shrinkage test

Am 2(International), 2001-01-26

Ed 2.01 A4 17p EN PDF 17p EN

Specifies test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications including cables used on ships and in offshore applications. Gives the methods for determining the density, water absorption and shrinkage, which apply to the most common types of insulating and sheathing compounds (elastomeric, PVC, PE, PP, etc.). Am 1(International), 2002-01-31 Am 1(National), 2008-04-04

SANS 60811-1-4:1985 / IEC 60811-1-4:1985 (2008-06-27)

(SABS IEC 60811-1-4)

Common test methods for insulating and sheathing materials of electric and optical cables Part 1-4: Methods for general application - Test at low temperature

Ed	1.00	A4 17p EN
		PDF 17p EN

Specifies the test method to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications, including cables used on ships. Gives the methods for tests at low temperature, which apply to PVC and PE compounds. Am 1(International), 1993-08-09 Am 2(International), 2002-03-15 Am 1(National), 2008-06-27 Cor 1(International), 2008-06-27

SANS 60811-2-1:2003 / IEC 60811-2-1:2001 (2008-11-28)

(SABS IEC 60811-2-1)

Common test methods for insulating and sheathing materials of electric and optical cables Part 2-1: Methods specific to elastomeric compounds - Ozone resistance, hot set and mineral oil immersion tests

Ed 2.01 A4 13p EN PDF 13p EN

Specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric and optical cables for power distribution and telecommunications, including cables used on ships and in offshore applications. Gives the methods for the ozone resistance test, hot set test and mineral oil immersion test, which apply to elastomeric compounds.

Am 1(International), 2002-03-15

Gr 10 29.035.01; 29.060.20

Am 1(National), 2008-06-06

29.035.01; 29.060.20

Gr 9

29.035.01; 29.060.20

Gr 9 29.035.01; 29.060.20

Gr 7 29.035.20: 29.060.20

SANS 60811-3-1:1985 / IEC 60811-3-1:1985 (2008-06-06) (SABS IEC 60811-3-1) Common test methods for insulating and sheathing materials of electric cables Part 3: Methods specific to PVC compounds Section 1 - Pressure test at high temperature - Tests for resistance to cracking Ed 1.00 A4 17p EN Gr 9 PDF 17p EN 29.035.01; 29.060.20 Specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications, including cables used on ships. Gives the methods for a pressure test at high temperature and for tests for resistance to cracking, which apply to PVC compounds. Am 1(International), 1995-05-01 Am 2(International), 2001-11-01 Am 1(National), 2008-06-06 Cor 1(International), 2008-06-06 SANS 60811-3-2:1985 / IEC 60811-3-2:1985 (2008-11-28) (SABS IEC 60811-3-2) Common test methods for insulating and sheathing materials of electric cables Part 3-2: Methods specific to PVC compounds - Loss of mass test - Thermal stability test Ed 1.00 A4 15p EN Gr 9 PDF 15p EN 29.035.01; 29.060.20 Specifies the methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications, including cables used on ships. Gives the methods for loss of mass test and thermal stability test, which apply to PVC compounds Am 1(International), 1993-08-09 Cor 1(International), 2004-09-17 Am 2(International), 2004-09-17 SANS 60811-4-1:2004 / IEC 60811-4-1:2004 (2008-11-28) (SABS IEC 60811-4-1) Insulating and sheathing materials of electric and optical cables - Common test methods Part 4-1: Methods specific to polyethylene and polypropylene compounds - Resistance to environmental stress cracking - Measurement of the melt flow index - Carbon black and/or mineral filler content measurement in polyethylene by direct combustion - Measurement of carbon black content by thermogravimetric analysis (TGA) - Assessment of carbon black dispersion in polyethylene using a microscope Ed 2.00 A4 27p EN Gr 10 PDF 27p EN 29.035.20; 29.060.20 Specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric and optical fibre cables for power distribution and telecommunications, including cables used on ships. Gives the methods for measurement of the resistance to environmental stress cracking, for wrapping test after thermal ageing in air, for measurement of melt flow index and for measurement of carbon black and/or mineral filler content, which apply to PE and PP compounds, including cellular compounds and foam skin for insulation. SANS 60811-4-2:2004 / IEC 60811-4-2:2004 (2008-11-28) (SABS IEC 60811-4-2) Insulating and sheathing materials of electric and optical cables - Common test methods Part 4-2: Methods specific to polyethylene and polypropylene compounds - Tensile strength and elongation at break after conditioning at elevated temperature - Wrapping test after conditioning at elevated temperature - Wrapping test after thermal ageing in air - Measurement of mass increase - Long-term stability test - Test method for copper-catalyzed oxidative degradation Ed 2.00 A4 18p EN Gr 8 PDF 18p EN 29.035.20; 29.060.20 Specifies the test methods for testing polymeric insulating and sheathing materials of electric and optical fibre cables for power distribution and telecommunications, including cables used on ships. Gives the methods for measurement of elongation at break after pre-conditioning, for wrapping test after pre-conditioning, for wrapping test after thermal ageing in air, for measurement of mass increase, for long-term stability test and for measurement of copper-catalyzed oxidative degradation, which apply to polyolefin insulations. SANS 60811-5-1:2004 / IEC 60811-5-1:2004 (2009-05-22) (SABS IEC 60811-5-1) Insulating and sheathing materials of electric and optical cables - Common test methods Part 5-1: Methods specific to filling compounds - Drop-point - Separation of oil - Lower temperature brittleness - Total acid number - Absence of corrosive components -Permittivity at 23 °C - DC resistivity at 23 °C and 100 °C Ed 1.01 A4 18p EN Gr 8 PDF 18p EN 29.060.20 Specifies the test methods for filling compounds of electric and optical cables used with telecommunication equipment, including cables used in ships and in offshore applications. Gives the methods for drop-point, separation of oil, lower temperature brittleness, total acid number, absence of corrosive components, permittivity at 23 ℃, d.c. resistivity at 23 ℃ and 100 ℃. Am 1(National), 2004-09-10 SANS 60811-100:2012 / IEC 60811-100:2012 Electric and optical fibre cables - Test methods for non-metallic materials Part 100: General Ed 1.00 A4 12p EN Gr 7 PDF 12p EN 29.035.01; 29.035.20 Describes general requirements and considerations that are applicable to all the test methods given in the particular parts, unless otherwise specified.

SANS 60811-201:2012 / IEC 60811-201:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pathickness	rt 201: General tests - Measurement of insulation
Ed 1.00 A4 12p EN PDF 12p EN	Gr 7 29.035.01; 29.035.20
Gives the methods for measuring the insulation thicknesses which apply to the more PE, PP, etc.).	ost common types of insulating compounds (cross-linked, PVC,
SANS 60811-202:2012 / IEC 60811-202:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa metallic sheath	rt 202: General tests - Measurement of thickness of non-
Ed 1.00 A4 13p EN PDF 13p EN	Gr 7 29.035.01; 29.035.20
Gives the methods for measuring thicknesses of non-metallic sheath which apply linked, PVC, PE, PP, etc.).	to the most common types of sheathing compounds (cross-
SANS 60811-203:2012 / IEC 60811-203:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa	rt 203: General tests - Measurement of overall
	Gr 6
PDF 9p EN	29.035.01:29.035.20
Gives the methods for measuring overall dimensions and is applicable to all types	of cable, circular and flat.
SANS 60811-301:2012 / IEC 60811-301:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa at 23 °C of filling compounds	rt 301: Electrical tests - Measurement of the permittivity
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	29.035.01; 29.035.20
Gives the procedure to determine the permittivity at 23 $^\circ\!C$, which typically applies cables and optical fibre cables.	to filling compounds used for optical cables, communication
SANS 60811-302:2012 / IEC 60811-302:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa resistivity at 23° celcius and 100° celcius of filling compounds	art 302: Electrical tests - Measurement of the d.c.
Ed 1.00 A4 9p EN PDF 9p EN	Gr 6 29.035.01: 29.035.20
Gives the procedure to examine the d.c. resistivity at 23 $^{\circ}\!C$ and 100 $^{\circ}\!C$, which type and optical fibre cables.	cally applies to filling compounds used for communication cables
SANS 60811-401:2012 / IEC 60811-401:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa	nt 401: Miscellaneous tests - Thermal ageing methods -
Ageing in an air oven	
Ed 1.00 A4 20p EN PDF 20p EN	Gr 9 29.035.01; 29.035.20
Specifies the procedure for ageing in an air oven, which typically applies to crossli sheathing materials.	nked and thermoplastic compounds used for insulating and
SANS 60811-402:2012 / IEC 60811-402:2012	
Electric and optical fibre cables - Test methods for non-metallic materials Pa	rt 402: Miscellaneous tests - Water absorption tests
Ed 1.00 A4 11p EN	Gr 7
Describes water absorption tests, which typically apply to cross-linked and thermo	29.035.01; 29.035.20 plastic compounds used for insulating and sheathing materials.
SANS 60911_402-2012 / IEC 60911_402-2012	
Electric and optical fibre cables - Test methods for non-metallic materials Pa cross-linked compounds	rt 403: Miscellaneous tests - Ozone resistance test on
Ed 1.00 A4 13p EN PDF 13p EN	Gr 7 29.035.01; 29.035.20
Specifies the method for the ozone resistance test, which typically applies to cross	s-linked compounds.
SANS 60811-404:2012 / IEC 60811-404:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa for sheaths	rt 404: Miscellaneous tests - Mineral oil immersion tests
Ed 1.00 A4 9p EN PDF 9p EN	Gr 6
Specifies the method for a mineral oil immersion test, which twoically applies to cr	ze.uou.ut, ze.uou.zu
eposition the method for a minioral on immersion test, which typically applies to of	see milled compounde cool for sheathing matchais.

Standards South Africa Catalogue 2013 NUM - 772

SANS 60811-405:2012 / IEC 60811-405:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa	art 405: Miscellaneous tests - Thermal stability test for
Ed 1.00 A4 9p EN	Gr 6
Specifies the procedure for the thermal stability test which applies to PVC compo	29.035.01; 29.035.20 unds.
SANS 60811-406:2012 / IEC 60811-406:2012	
Electric and optical fibre cables - Test methods for non-metallic materials Pa cracking of polyethylene and polypropylene compounds	art 406: Miscellaneous tests - Resistance to stress
Ed 1.00 A4 17p EN	Gr 8
Gives the procedure for evaluating the resistance to stress cracking of polyethyler	29.035.01; 29.035.20 ne and polypropylene compounds that are typically used for
communication and optical fibre cables.	
SANS 60811-407:2012 / IEC 60811-407:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa increase of polyethylene and polypropylene compounds	art 407: Miscellaneous tests - Measurement of mass
Ed 1.00 A4 9p EN	Gr 6
Cives the presedure to even include interaction between includein metavial a	29.035.01; 29.035.20
Gives the procedure to examine possible interaction between insulation material a	and filling compound of filled cable.
SANS 60811-408:2012 / IEC 60811-408:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa	art 408: Miscellaneous tests - Long-term stability test of
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	29.035.01; 29.035.20
Gives the procedure to establish whether or not the quality of a cable's componen cable.	ts will be satisfactory over the proposed life of a communication
SANS 60811-409:2012 / IEC 60811-409:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa thermoplastic insulations and sheaths	art 409: Miscellaneous tests - Loss of mass test for
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	29.035.01; 29.035.20
Gives the procedure for measuring the loss of mass that normally applies to PVC	insulations and sheaths.
SANS 60811-410:2012 / IEC 60811-410:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa catalyzed oxidative degradation of polyolefin insulated conductors	art 410: Miscellaneous tests - Test method for copper-
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	29.035.01; 29.035.20
Gives the procedure for copper-catalyzed oxidative degradation of a polyolenin, wi	
SANS 60811-411:2012 / IEC 60811-411:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa of filling compounds	art 411: Miscellaneous tests - Low-temperature brittleness
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	29.035.01; 29.035.20
Gives the procedure to evaluate lower temperature brittleness that typically applie cables.	s to filling compounds used for communication and optical fibre
SANS 60811-412:2012 / IEC 60811-412:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa Ageing in an air bomb	art 412: Miscellaneous tests -Thermal ageing methods -
Ed 1.00 A4 10p EN	Gr 6
PDF 10p EN	29.035.01; 29.035.20
Gives the procedure for ageing in an air bomb, which typically applies to crosslink sheathing materials.	ed and thermoplastic compounds used for insulating and
SANS 60811-501:2012 / IEC 60811-501:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa mechanical properties of insulating and sheathing compounds	art 501: Mechanical tests - Tests for determining the
Ed 1.00 A4 18p EN	Gr 8
	29.035.01; 29.035.20
Gives the procedure for determining mechanical properties, and which typically ap insulating and sheathing materials.	oplies to cross-linked and thermoplastic compounds used for

Standards South Africa Catalogue 2013

SANS 60811-502-2012 / JEC 60811-502-2012	
Electric and optical fibre cables - Test methods for non-metallic materials Pa	art 502: Mechanical tests - Shrinkage test for insulations
Ed 1.00 A4 9p EN PDF 9p EN	Gr 6 29.035.01:29.035.20
Gives the test method for the shrinkage for insulations.	
SANS 60811-503:2012 / IEC 60811-503:2012	
Electric and optical fibre cables - Test methods for non-metallic materials Pa	art 503: Mechanical tests - Shrinkage test for sheaths
PDF 9p EN	GF 6 29 035 01: 29 035 20
Gives the test method for the shrinkage for sheaths.	
SANS 60811-504:2012 / IEC 60811-504:2012 Electric and optical fibre cables - Test methods for non-metallic materials Patemperature for insulation and sheaths	art 504: Mechanical tests - Bending tests at low
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	29.035.01; 29.035.20
Gives the procedure for performing bending tests at low temperature on extruded	insulations and sheaths.
SANS 60811-505:2012 / IEC 60811-505:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pater for inculations and chectba	art 505: Mechanical tests - Elongation at low temperature
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	29.035.01; 29.035.20
Gives the procedure for performing elongation tests at low temperature on extrude	ed insulations and sheaths.
SANS 60811-506:2012 / IEC 60811-506:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa for insulations and sheaths	art 506: Mechanical tests - Impact test at low temperature
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	29.035.01; 29.035.20
Gives the procedure for performing impact tests at low temperature on extruded in	nsulations and sheaths.
SANS 60811-507:2012 / IEC 60811-507:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa materials	art 507: Mechanical tests - Hot set test for cross-linked
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	29.035.01; 29.035.20
Gives the procedure for the hot set test, which typically applies to cross-linkable c	ompounds used for insulating and sheathing materials.
SANS 60811-508:2012 / IEC 60811-508:2012 Electric and optical fibre cables - Test methods for non-metallic materials Patemperature for insulation and sheaths	art 508: Mechanical tests - Pressure test at high
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	29.035.01; 29.035.20
Gives the procedure for a pressure test at high temperature, which typically applie materials.	es to thermoplastic compounds used for insulating and sheathing
SANS 60811-509:2012 / IEC 60811-509:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa insulations and sheaths to cracking (heat shock test)	art 509: Mechanical tests - Test for resistance of
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	29.035.01; 29.035.20
Gives the procedure for the test for resistance of insulations and sheaths to crack	ing at an elevated temperature.
SANS 60811-510:2012 / IEC 60811-510:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa polyethylene and polypropylene compounds - Wrapping test after thermal ac	art 510: Mechanical tests - Methods specific to geing in air
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	29.035.01; 29.035.20
Specifies the test method for a wrapping test after thermal ageing in air. It applies	specifically to polyolefin insulation in communication cables.

SANS 60811-511:2012 / IEC 60811-511:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa index of polyethylene compounds	rt 511: Mechanical tests - Measurement of the melt flow
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	29.035.01; 29.035.20
Describes the procedure for the measurement of the melt flow index for polyethyle	ne compounds.
SANS 60811-512:2012 / IEC 60811-512:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pal polyethylene and polypropylene compounds - Tensile strength and elongatio	rt 512: Mechanical tests - Methods specific to n at break after conditioning at elevated temperature
PDF 9p EN	Gr 6 29 035 01: 29 035 20
Describes the procedure for testing tensile strength and elongation at break after c and polypropylene compounds.	onditioning at elevated temperature. It is specific to polyethylene
SANS 60811-513:2012 / IEC 60811-513:2012 Electric and optical fibre cables - Test methods for non-metallic materials Par polyethylene and polypropylene compounds - Wrapping test after conditionin Ed 1.00 A4 9p EN PDF 9p EN	rt 513: Mechanical tests - Methods specific to ng Gr 6 -29.035.01: 29.035.20
Gives procedures for a wrapping test after conditioning at elevated temperature. It	applies specifically to polyethylene and polypropylene insulation
SANS 60811-601:2013 / IEC 60811-601:2012 Electric and optical fibre cables - Test methods for non-metallic materials Par filling compounds	rt 601: Physical tests - Measurement of the drop point of
Ed 1.00 A4 14p EN	Gr 7
Specifies the test procedure for measuring the drop point of filling compounds.	29.035.01; 29.035.20
SANS 60811-602:2013 / IEC 60811-602:2012 Electric and optical fibre cables - Test methods for non-metallic materials Par compounds	rt 602: Physical tests - Separation of oil in filling
Ed 1.00 A4 10p EN	Gr 6
PDF 10p EN	29.035.01; 29.035.20
Gives the test methods for separation of oil in filling compounds.	
SANS 60811-603:2013 / IEC 60811-603:2012 Electric and optical fibre cables -Test methods for non-metallic materials Par of filling compounds	t 603: Physical tests - Measurement of total acid number
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	29.035.01; 29.035.20
Gives test methods to examine the filling compound for corrosive elements.	
SANS 60811-604:2013 / IEC 60811-604:2012 Electrical and fibre optical cables -Test methods for non-metallic materials Pa corrosive components in filling compounds	art 604: Physical tests - Measurement of absence of
Ed 1.00 A4 9p EN	Gr 6
	29.035.01; 29.035.20
Indicates the effect of the filling compound when in contact with the metallic parts of	of the cable.
SANS 60811-605:2012 / IEC 60811-605:2012 Electrical and optical fibre cables - Test methods for non-metallic materials P and/or mineral filler in polyethylene compounds	Part 605: Physical tests - Measurement of carbon black
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	29.035.01; 29.035.20
Describes test methods for measuring the content of carbon black added for UV st suitable for halogenated compounds.	abilization of polyethylene and polyolefin compounds. Not
SANS 60811-606:2013 / IEC 60811-606:2012 Electric and optical fibre cables - Test methods for non-metallic materials Pa density	rt 606: Physical tests - Methods of determining the
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	29.035.01; 29.035.20
Describes the methods for determining the density for the most common types of i PP, etc.).	nsulating and sheathing compounds (cross-linked, PVC, PE,

CANC 60211 607-2012 / IEC 60211 607-2012	
Electrical and optical fibre cables - Test methods for non-metal carbon black dispersion in polyethylene and polypropylene	lic materials Part 607: Physical tests - Test for the assessment of
Ed 1.00 A4 9p EN PDF 9p EN	Gr 6 29.035.01: 29.035.20
Specifies test methods for carbon black dispersion that are applicat foam skin for insulation.	ble specifically to PE and PP compounds, including cellular compounds and
SANS 60815-1:2009 / IEC/TS 60815-1:2008 Selection and dimensioning of high-voltage insulators intended	d for use in polluted conditions Part 1: Definitions, information and
Ed 1.00 A4 54p EN PDE 54p EN	Gr 13
Applicable to the selection of insulators, and the determination of th pollution.	eir relevant dimensions, to be used in high-voltage systems with respect to
SANS 60815-2:2009 / IEC/TS 60815-2:2008	
Selection and dimensioning of high-voltage insulators intender for a.c. systems	d for use in polluted conditions Part 2: Ceramic and glass insulators
Ed 1.00 A4 23p EN PDE 23p EN	Gr 10
Applicable to the selection of ceramic and glass insulators for a.c. s voltage systems with respect to pollution.	ystems, and the determination of their relevant dimensions, to be used in high-
SANS 60815-3:2009 / IEC/TS 60815-3:2008 Selection and dimensioning of high-voltage insulators intended	d for use in polluted conditions Part 3: Polymer insulators for a.c.
systems	Cr. 10
PDF 21p EN	29.080.10; 29.260.99
Applicable to the selection of polymer insulators for a.c. systems, an systems with respect to pollution.	nd the determination of their relevant dimensions, to be used in high-voltage
SANS 60832:2006 / IEC 60832:1988 (2011-03-31)	ents (fittings) for live working
Ed 1.00 A4 52p EN	Gr 13
PDF 52p EN Covers insulating poles (insulating sticks) and tool attachments (fitti	13.260 nas) for live working
Cor 1(International), 2006-07-14	
SANS 60832-1:2012 / IEC 60832-1:2010	Insulating sticks
Ed 1.00 A4 47p EN	Gr 12
PDF 47p EN	13.260
Gives the essential requirements for insulating sticks for live working	g for use on a.c. electrical installations.
SANS 60832-2:2012 / IEC 60832-2:2010	Attachable devices
Enve working - insulating sticks and attachable devices Part 2: . Ed 1.00 A4 62p EN	Gr 14
PDF 62p EN	13.260
Gives the essential requirements for devices that can be attached o on a.c. electrical installations.	nto and removed from the fitting of the insulating sticks for live working, for use
SANS 60838-1:2012 / IEC 60838-1:2011 Miscellaneous lampholders Part 1: General requirements and t	ests
Ed 1.02 A4 33p EN	Gr 11
PDF 33p EN Applies to lampholders of miscellaneous types intended for building	29.140.10
Applies to lamp holders of miscellaricous types interface for building floodlighting lamps and street-lighting lamps with caps) and the met Am 1(International), 2008-12-05 Am 2(International), 2008-12-05	hods of test to be used in determining the safe use of lamps in lampholders. 2-03-02
SANS 60838-2-2:2013 / IEC 60838-2-2:2012	Connectors for LED modulo-
Ed 1.01 A4 10p EN	Gr 6
PDF 10p EN	29.140.10; 31.220.10
Applies to connectors for building-in (including those used for interc based LED modules. Am 1(National), 2013-03-01	onnection between LED modules) of miscellaneous types to be used with PCB-

Standards South Africa Catalogue 2013 NUM - 776

SANS 60839-1-1:2007 / IEC 60839-1-1:1988 (2013-01-25)
Alarm systems Part 1: General requirements Section One: Genera

Specifies general requirements for the design, installation, commissioning, operation, maintenance test and records of manual and automatic alarm systems employed for the protection of persons, property and the environment.

SANS 60839-1-2:2007 / IEC 60839-1-2:1987 (2013-01-25)

Alarm systems Part 1: General requirements Section Two: Power units, test methods and performance criteria

Ed	1.00	A4 10p EN
		PDF 10p EN

Ed 1.00 A4 14p EN

PDF 14p EN

Specifies the requirements, test methods and performance criteria for power supply units for alarm systems. The specific requirements for particular system components are specified in separate standards.

SANS 60839-1-3:2007 / IEC 60839-1-3:1988 (2013-01-25)

Alarm sy	stems Part 1: General requirement	s Section Three: Environmental testing
Ed 1.00	A4 45p EN	Gr 12
	PDF 45p EN	13.310: 13.32

Specifies environmental test methods to be used for testing system components of an alarm system.

SANS 60839-2-2:2007 / IEC 60839-2-2:1987 (2013-01-25)

Alarm systems Part 2: Requirements for intruder alarm systems Section Two: Requirements for detectors - General

Ed 1.00	A4 10p EN	Gr 6
	PDF 10p EN	13.3

Specifies the general requirements for detectors for use in intruder alarm systems installed in buildings.

SANS 60839-2-3:2010 / IEC 60839-2-3:1987

Alarm systems Part 2: Requirements	for intruder alarm systems Section	Three: Requirements for infrared-beam interruption	on
detectors in buildings			
		Gr 6	

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		PDF 10p EN				13	.320
Eu	1.00	A4 TUP EN				G	0

Specifies the specific requirements and test procedures for infrared-beam interruption detectors to be used in intruder alarm systems installed in buildings.

SANS 60839-2-4:2010 / IEC 60839-2-4:1990

Alarm systems Part 2: Requirements for intruder alarm systems Section 4: Ultrasonic Doppler detectors for use in buildings Ed 1.00 A4 11p EN Gr 7 PDF 11p EN 13.320

Gives the specific requirements and test procedures for ultrasonic Doppler detectors for use in intruder alarm systems installed in buildings.

SANS 60839-2-5:2010 / IEC 60839-2-5:1990

Alarm sy	stems Part 2: Requirements for intruder alarm systems Section 5: M	icrowave Doppler detectors for use in buildings
Ed 1.00	A4 11p EN	Gr 7
	PDF 11p EN	13.320

Gives the specific requirements and test procedures for microwave Doppler detectors for use in intruder alarm systems installed in buildings.

SANS 60839-2-6:2010 / IEC 60839-2-6:1990

Alarm systems Part 2: Requirements for intruder alarm systems Section 6: Passive infra-red detectors for use in buildings Ed 1.00 A4 13p EN Gr 7 PDF 13p EN 13.320

Gives the specific requirements and test procedures for passive infra-red detectors for use in intruder alarm systems installed in buildings.

SANS 60839-2-7:1994 / IEC 60839-2-7:1994 (2013-01-25)

(SABS IEC 60839-2-7)

Alarm systems Part 2: Requirements for intruder alarm system	s Section 7: Passive glass-break detectors for use in buildings
Ed 1.00 A4 19p EN	Gr 9

PDF 19p EN

Gives the specific requirements and test methods for passive glass-break detectors using piezoelectric sensors for use in intruder alarm systems installed in buildings. Is an addition to the general requirements for detectors for use in intruder alarm systems as specified in IEC 60839-2-2 (published in South Africa as an identical adoption under the designation SANS 60839-2-2). **Am 1(National), 2007-12-07**

13.310

Gr 6

Gr 7

13.320

13.310; 13.320

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SANS 60	0840:2006 / IEC 60840:2004	
Power c	ables with extruded insulation and their accessories for rated voltag	es above 30 kV (Um = 36 kV) up to 150 kV (Um = 170 kV) -
Ed 1.00	A4 57p EN PDF 57p EN	Gr 13 29.060.20
Covers te	est methods and requirements for power cable systems for fixed installati 150 kV (Um = 170 kV). Also covers cables and accessories for usual co	ons, for rated voltages above 30 kV (Um = 36 kV) up to and nditions of installation and operation.
SANS 60 (SABS IE	0851-1:1996 / IEC 60851-1:1996 (2009-03-13) EC 60851-1)	
Winding	wires - Test methods Part 1: General	
Ed 1.00	A4 13p EN PDF 13p EN	Gr 8 29.060.10
Specifies Am 1(Int	the general notes on methods of test for winding wires. It also gives the ternational), 2004-07-30	definitions for terms used in IEC 60851.
SANS 60 (SABS IE	0851-2:2010 / IEC 60851-2:2009 EC 60851-2)	
Winding	wires - Test methods Part 2: Determination of dimensions	
Ed 2.00	A4 11p EN PDF 11p EN	Gr 7 29.060.10
Specifies	s the method of "Test 4: Dimensions" for insulated winding wires used for	windings in electrical equipment.
SANS 60 (SABS IE	0851-3:2009 / IEC 60851-3:2009 EC 60851-3)	
Winding	wires - Test methods Part 3: Mechanical properties	
Ed 2.00	A4 44p EN PDF 44p EN	Gr 12 29.060.10
Specifies Resistan	the following methods of test for winding wires: Test 6: Elongation, Test ce to abrasion, and Test 18: Heat bonding.	7: Springiness, Test 8: Flexibility and adherence, Test 11:
SANS 60 (SABS IE	0851-4:2006 / IEC 60851-4:2005 (2009-03-13) EC 60851-4)	
Winding	wires - Test methods Part 4: Chemical properties	
Ed 2.02	A4 18p EN PDF 18p EN	Gr 8 29.060.10
Specifies Am 1(Int	s tests for resistance to solvents, resistance to refrigerants, solderability, a ternational), 1998-09-03 Am 2(International), 2006-08-18	and resistance to transformer oil.
SANS 60 (SABS IE)851-5:2012 / IEC 60851-5:2011 EC 60851-5)	
Winding	wires - Test methods Part 5: Electrical properties	
Ed 2.01	A4 34p EN	Gr 11
	PDF 34p EN	29.060.10
Deals wit voltage, Am 1(Int	th insulated wires used for windings in electrical equipment. Specifies the Test 14: Continuity of insulation, Test 19: Dielectric dissipation factor, and ternational), 2012-04-26	following tests: Test 5: Electrical resistance, Test 13: Breakdown I Test 23: Pin hole.
SANS 60 (SABS IE)851-6:2013 / IEC 60851-6:2012 EC 60851-6)	
Winding	wires - Test methods Part 6: Thermal properties	
Ed 2.00	A4 14p EN PDF 14p EN	Gr 7 29.060.10
Specifies	s test 9: Heat shock, test 10: cut-through, test 15: temperature index and	test 21: loss of mass.
SANS 60 Calculat kV	0853-1:2011 / IEC 60853-1:1985 ion of the cyclic and emergency current rating of cables Part 1: Cycl	ic rating factor for cables up to and including 18/30 (36)
Ed 1.00	A4 22p EN PDF 22p EN	Gr 9 29.060.20
Gives me applied to error is n	ethods for calculating the cyclic rating factor for cables where the internal o all sizes and types of cable for nominal voltages up to and including 18/ iot expected to exceed 5 % on the safe side.	thermal capacitance can be neglected. The methods can be 30 (36) kV, with any shape of load cycle, when the margin of

Am 1(International), 2011-02-11 Am 2(International), 2011-02-11
Calculation of the cyclic and emergency current rating of cables Part 2: Cyclic rating of cables greater than 18/30 (36) kV and emergency ratings for cables of all voltages Ed 1.00 A4 56p EN Gr 13 PDF 56p EN 29.060.20 Gives manual methods for calculating cyclic rating factors for cables whose internal thermal capacitance cannot be neglected. Applies to cables for voltages greater than 18/30 (36) kV. Also gives a method for calculating the emergency rating for cables of any voltage. Am 1(International), 2011-02-11 SANS 60853-3:2011 / IEC 60853-3:2002 Calculation of the cyclic and emergency current rating of cables Part 3: Cyclic rating factor for cables of all voltages, with partial drying of the soil Ed 1.00 A4 16p EN Gr 8 PDF 16p EN 29.060.20 Gives a method for calculating the cyclic rating factor, for cables of all voltages, where partial drying out of the surrounding soil is anticipated. SANS 60864-1:1986 / IEC 60864-1:1986 (2012-12-14) (SABS IEC 60864-1) Standardization of interconnections between broadcasting transmitters or transmitter systems and supervisory equipment Part 1: Interface standards for systems using dedicated interconnections Ed 1.00 A4 23p EN Gr 9 PDF 23p EN 33.060.20; 33.200 Deals with the interface between a transmitter (or system of transmitters) and the supervisory equipment which is intended to remotely monitor or control (or both) the transmitter(s). Details the interconnections and facilities to be provided with a view to achieving compatibility between different types and makes of transmitters and supervisory equipment. Am 1(International), 1998-10-30 Am 1(National), 2007-07-27 SANS 60864-2:1997 / IEC 60864-2:1997 (2012-12-14) (SABS IEC 60864-2) Standardization of interconnections between broadcasting transmitters or transmitter systems and supervisory equipment Part 2: Interface standards for systems using data bus type interconnections Ed 1.00 A4 41p EN Gr 12 PDF 41p EN 33.060.20; 33.200 Deals with the interface between a transmitter (or system of transmitters) and the supervisory equipment which is intended to remotely monitor and/or control the transmitter(s). It details the interconnections and facilities to be provided with a view to achieving compatibility between different types and makes of transmitters and supervisory equipment. Am 1(National), 2007-09-07 SANS 60865-1:2012 / IEC 60865-1:2011 Short-circuit currents - Calculation of effects Part 1: Definitions and calculation methods Ed 2.00 A4 54p EN Gr 13 PDF 54p EN 17.220.01 Applicable to the mechanical and thermal effects of short-circuit currents. Contains procedures for the calculation of the electromagnetic effect on rigid conductors and flexible conductors and the thermal effect on bare conductors. SANS 60865-2:2008 / IEC/TR 60865-2:1994 Short-circuit currents - Calculation of effects Part 2: Examples of calculation Ed 1.00 A4 43p EN Gr 12 PDF 43p EN 17.220.01 Covers the application of procedures for the calculation of mechanical and thermal effects due to short circuits as presented in IEC 60865-1 (published in South Africa as an identical adoption under the designation SANS 60865-1) and is an addition to IEC 60865-1. SANS 60869-1:1999 / IEC 60869-1:1999 (2007-09-21) (SABS IEC 60869-1)

 Fibre optic attenuators Part 1: Generic specification

 Ed 1.00 A4 27p EN
 Gr 11

 PDF 27p EN
 33.180.20

Applies to fibre optic attenuators that have all of the following general features: they are passive in that they contain no opto-electronic or other transducing elements; they have two ports for the transmission of optical power and attenuate the transmitted power in a fixed or variable fashion; and the ports are optical fibres or optical fibre connectors. Establishes attenuator requirements and quality assessment procedures.

Am 1(National), 2007-09-21

SANS 60853-2:2011 / IEC 60853-2:1989

SANS 60874-1:2007 / IEC 60874-1:2006 (SABS IEC 60874-1)	
Connectors for optical fibres and cables Part 1: Generic specification	
Ed 3.00 A4 31p EN PDF 31p EN	Gr 11 33.180.20
Applies to fibre optic connector sets and individual components (i.e. adaptors, plug cables. Includes connector set requirements and quality assessment procedures.	s, sockets) for all types, sizes and structures of fibres and
SANS 60874-1-1:2007 / IEC 60874-1-1:2006 (SABS IEC 60874-1-1)	
Connectors for optical fibres and cables Part 1-1: Blank detail specification	
Ed 2.00 A4 13p EN	Gr 7
PDF 13p EN	33.180.20
Is not, by itself, a specification. Is part of the generic specification IEC 60874-1 (pul designation SANS 60874-1), and includes a blank worksheet with instructions for p	blished in South Africa as an identical adoption under the reparing detail specifications.
SANS 60874-14-1:1997 / IEC 60874-14-1:1997 (2007-08-31) (SABS IEC 60874-14-1)	
Connectors for optical fibres and cables Part 14-1: Detail specification for fibre multimode fibre type A1a, A1b	re optic connector type SC-PC standard terminated to
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	33.180.20
Specifies detail specification for fibre optic connector type SC-PC standard termina Am 1(National), 2007-08-31	ted to multimode fibre type A1a, A1b.
SANS 60874-14-2:1997 / IEC 60874-14-2:1997 (2007-09-14) (SABS IEC 60874-14-2)	
Connectors for optical fibres and cables Part 14-2: Detail specification for fibr single-mode fibre type B1	re optic connector type SC-PC tuned terminated to
Ed 1.00 A4 19p EN PDF 19p EN	Gr 9 33.180.20
Specifies detail specification for fibre optic connector type SC-PC tuned terminated Am 1(National), 2007-09-14	to single-mode fibre type B1.
SANS 60874-19-2:1999 / IEC 60874-19-2:1999 (2007-09-14) (SABS IEC 60874-19-2)	
Connectors for optical fibres and cables Part 19-2: Fibre optic adaptor (duple specification	x) type SC for single-mode fibre connectors - Detail
Ed 1.00 A4 20p EN PDF 20p EN	Gr 11 33.180.20
Applies to fibre optic adaptor (duplex) type SC for single-mode fibre connectors. Am 1(National), 2007-09-14	
SANS 60884-1:2006 / IEC 60884-1:2006 (2011-10-07) (SABS IEC 60884-1)	
Plugs and socket-outlets for household and similar purposes Part 1: General	requirements
Ed 2.01 A4 134p EN PDF 134p EN	Gr 17 29.120.30
Applies to plugs and fixed or portable socket-outlets for a.c. only, with or without ea exceeding 440 V and a rated current not exceeding 32 A, intended for household a plugs incorporated in cord sets, to plugs and portable socket-outlets incorporated ir a component of an appliance.	In thing contact, with a rated voltage above 50 V but not nd similar purposes, either indoors or outdoors. Also applies to n cord extension sets, and to plugs and socket-outlets which are
SANS 60884-2-2:2007 / IEC 60884-2-2:2006 (2011-09-16)	
(SABS IEC 60884-2-2)	
Plugs and socket-outlets for household and similar purposes Part 2-2: Partic	ular requirements for socket-outlets for appliances
Ed 2.00 A4 12p EN PDF 12p EN	Gr 7 29.120.30

Applies to socket-outlets for a.c. only, with or without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A, which are integrated or intended to be incorporated in or fixed to appliances.

SANS 60884-2-3:2007 / IEC 60884-2-3:2006 (2011-10-07) (SABS IEC 60884-2-3) Plugs and socket-outlets for household and similar purposes Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations Ed 2.00 A4 16p EN Gr 8 PDF 16p EN 29.120.30 Applies to switched socket-outlets without interlock, for fixed installation, for a.c. only with or without earthing contact, with rated voltage not exceeding 440 V and rated current not exceeding 32 A, intended for household and similar purposes, either indoors or outdoors. SANS 60884-2-4:2008 / IEC 60884-2-4:2007 (2013-03-01) (SABS IEC 60884-2-4) Plugs and socket-outlets for household and similar purposes Part 2-4: Particular requirements for plugs and socket-outlets for SELV Ed 3.00 A4 25p EN Gr 10 PDF 25p EN 29.120.30 Applies to plugs, fixed or portable socket-outlets, and to socket-outlets for appliances from 6 V up to and including 48 V d.c. or a.c. (50/60 Hz) SELV with rated current of 16 A, intended for household and similar purposes, either indoors or outdoors. SANS 60884-2-5:1995 / IEC 60884-2-5:1995 (2012-02-10) (SABS IEC 60884-2-5) Plugs and socket-outlets for household and similar purposes Part 2-5: Particular requirements for adaptors Ed 1.00 A4 20p EN Gr 9 PDF 20p EN 29.120.30 Applies to shuttered and non-shuttered, fused and non-fused adaptors for a.c. only. Fuses of fused adaptors are not intended to protect appliance or parts thereof against overload. Am 1(National), 2007-02-23 SANS 60884-2-6:1997 / IEC 60884-2-6:1997 (2012-02-10) (SABS IEC 60884-2-6) Plugs and socket-outlets for household and similar purposes Part 2-6: Particular requirements for switched socket-outlets with interlock for fixed electrical installations Ed 1.00 A4 15p EN Gr 8 PDF 15p EN 29.120.30 Applies to switched socket-outlets with interlock for a.c. only, for fixed electrical installations, with or without earthing contact, with rated voltage above 50 V but not exceeding 440 V and a rated current not exceeding 32 A, intended for household and similar purposes, either indoors or oudoors. Am 1(National), 2007-02-23 SANS 60884-2-7:2012 / IEC 60884-2-7:2011 Plugs and socket-outlets for household and similar purposes Part 2-7: Particular requirements for cord extension sets Ed 1.00 A4 14p EN Gr 7 PDF 14p EN 29.120.30 Applies to cord extension sets, rewirable and non-rewirable, with or without earthing contact, with a rated voltage greater than 50 V but not exceeding 440 V and a rated current not exceeding 16 A, intended for household and similar purposes, either indoors or outdoors. SANS 60890:2007 / IEC 60890:1987 (2012-06-15) A method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and controlgear Ed 1.00 A4 27p EN Gr 10 PDF 27p EN 29.130.20

Provides method of calculation of temperature rise in the form of extrapolation from data found by tests on other assemblies. Applies to enclosed partially type-tested assemblies (PTTA) or partitioned sections of PTTA without forced ventilation. **Am 1(International), 2007-04-20 Cor 1(International), 2007-04-20**

SANS 60896-11:2003 / IEC 60896-11:2002 (2009-04-09) Stationary lead-acid batteries Part 11: Vented types - General requirements and methods of test Ed 1.00 A4 20p EN Gr 9 PDF 20p EN 29.220.20

Applies to lead-acid cells and batteries which are designed for service in fixed locations (i.e. not habitually to be moved from place to place) and which are permanently connected to the load and to the d.c. power supply.

SANS 60896-21:2004 / IEC 60896-21:2004 (2009-04-09)

Stationary lead-acid batteries Part 21: Valve regulated types - Methods of testEd 1.00A4 41p ENGr 12PDF 41p EN29.220.20

Specifies the methods of test for all stationary lead-acid cells and monobloc batteries of the valve regulated type for float charge applications (i.e. permanently connected to a load and to a d.c. power supply), in a static location and incorporated into stationary equipment or installed in battery rooms for use in telecom, uninterruptible power supply, utility switching, emergency power or similar applications.

SANS 60896-22:2004 / IEC 60896-22:20 Stationary lead-acid batteries Part 22:	04 (2009-04-09) Valve regulated types - Reguirements			
Ed 1.00 A4 30p EN PDF 30p EN		Gr 10		
Specifies the requirements for stationary permanently connected to a load and to a rooms for use in telecom, uninterruptible	Specifies the requirements for stationary lead-acid cells and monobloc batteries of the valve regulated type for float charge applications, (i.e. permanently connected to a load and to a d.c. power supply), in a static location and incorporated into stationary equipment or installed in battery rooms for use in telecom, uninterruptible power supply, utility switching, emergency power or similar applications.			
SANS 60900:2006 / IEC 60900:2004 (20 Live working - Hand tools for use up to	10-05-21) o 1 000 V a.c. and 1 500 V d.c.			
Ed 1.00 A4 47p EN PDF 47p EN		Gr 12 13.260		
Applies to insulated and insulating hand t	tools used for working live or close to live	parts at nominal voltages up to 1 000 V a.c. and 1 500 V d.c.		
SANS 60901:2008 (SABS IEC 60901)				
Single-capped fluorescent lamps - Per	formance specifications			
Ed 2.04 A4 240p EN PDF 240p EN		Gr 20 29.140.30		
IEC 60901:2008, MOD				
Specifies the performance requirements i Am 1(International), 1997-10-06 Am 1(National), 2008-07-11	for single-capped fluorescent lamps for ge Am 2(International), 2005-04-22 Am 4(International), 2008-07-11	eneral lighting service. Am 3(International), 2005-04-22		
SANS 60903:2005 / IEC 60903:2002 (20 (SABS IEC 60903)	11-05-27)			
Live working - Gloves of insulating ma	aterial			
Ed 2.00 A4 66p EN		Gr 14		
PDF 66p EN 13.260; 13.340.40 Applicable to insulating gloves and mitts. Six classes of gloves, differing in electrical characteristics, and six categories of gloves, differing in properties related to acid, oil, ozone, mechanical strength (higher level) and a combination of all, and also for extremely low temperatures are				
Cor 1(International), 2005-12-02	Cor 2(International), 2005-12-02			
SANS 60906-3:1994 / IEC 60906-3:1994	(2012-02-10)			
IEC system of plugs and socket-outlets V. 48 V. a.c and d.c	s for household and similar purposes	Part 3: SELV plugs and socket-outlets, 16 A 6 V, 12 V, 24		
Ed 1.00 A4 10p EN PDF 10p EN		Gr 7 29.120.30		
Applies to the IEC SELV system of plugs a.c. and d.c., intended for household and Am 1(National), 2007-02-23	, fixed and portable socket-outlets and to similar purposes, either indoors or outdo	socket-outlets for appliances rated 16 A 6 V, 12 V, 24 V, 48 V ors.		
SANS 60909-0:2010 / IEC 60909-0:2001 Short-circuit currents in three-phase a	.c. systems Part 0: Calculation of curre	ents		
Ed 1.00 A4 70p EN	-	Gr 14		
PDF 70p EN		17.220.01		
Applicable to the calculation of short-circuit currents in low-voltage three-phase a.c. systems and in high-voltage three-phase a.c. systems operating at a nominal frequency of 50 Hz or 60 Hz.				
SANS 60909-1:2010 / IEC/TR 60909-1:2002 Short-circuit currents in three-phase a.c. systems Part 1: Factors for the calculation of short-circuit currents according to IEC 60909-0				
Ed 1.00 A4 82p EN PDF 82p EN		Gr 15		
Applicable to short-circuit currents in thre used to meet the demands of technical p South Africa as an identical adoption und	e-phase a.c. systems. Aims at showing th recision and simplicity when calculating s ler the designation SANS 60909-0).	ne origin and the application, as far as necessary, of the factors hort-circuit currents according to IEC 60909-0 (published in		
SANS 60909-2:2010 / IEC/TR 60909-2:2008				
Ed 1.00 A4 44p EN	a. Systems Fart 2. Data UI Electrical et	Gr 14		
PDF 44p EN		17.220.01; 29.240.20		
Gives data of electrical equipment collected from different countries to be used when necessary for the calculation of short-circuit currents in accordance with IEC 60909-0 (published in South Africa as an identical adoption under the designation SANS 60909-0). Generally, electrical equipment data are given by the manufacturers on the name plate or by the electricity supplier.				

SANS 60909-3:2010 / IEC 60909-3:2009

Short-circuit currents in three-phase a.c. systems Part 3: Currents during two separate simultaneous line-to-earth short circuits and partial short-circuit currents flowing through earth

Ed 1.00 A4 57p EN PDF 57p EN Gr 14 17.220.01; 29.240.20

Gr 14

17.220.01

Specifies procedures for calculation of the prospective short-circuit currents with an unbalanced short circuit in high-voltage three-phase a.c. systems operating at nominal frequency 50 Hz or 60 Hz, i. e. currents during two separate simultaneous line-to-earth short circuits in isolated neutral or resonant earthed neutral systems; partial short-circuit currents flowing through earth in case of single line-to-earth short circuit in solidly earthed or low-impedance earthed neutral systems.

SANS 60909-4:2010 / IEC/TR 60909-4:2000

Short-circuit currents in three-phase a.c. systems Part 4: Examples for the calculation of short-circuit currents

Ed 1.00 A4 67p EN PDF 67p EN

Gives help for the application of IEC 60909-0 (published in South Africa as an identical adoption under the designation SANS 60909-0), for the calculation of short-circuit currents in 50 Hz or 60 Hz three-phase a.c. systems. Gives support for the modelling of electrical equipment in the positive-sequence, the negative-sequence and the zero-sequence system and the practical execution of calculations in a low-voltage system, a medium-voltage system with asynchronous motors and a power-station unit with its auxiliary network feeding a large number of medium-voltage asynchronous motors and low-voltage motor groups.

SANS 60921:2006 / IEC 60921:2006 (2011-12-01)

(SABS IEC 60921) Ballasts for tubular fluorescent lamps - Performance requirements Ed 2.01 A4 33p EN

Ed 2.01	A4 33p EN	-	-	Gr 11
	PDF 33p EN			29.140.30

Specifies performance requirements for ballasts, excluding resistance types, for use on a.c. supplies up to 1 000 V at 50 Hz or 60 Hz, associated with tubular fluorescent lamps with pre-heated cathodes operated with or without a starter or starting device and having rated wattages, dimensions and characteristics as specified in SANS 60081 and SANS 60901. Applies to complete ballasts and their component parts such as resistors, transformers and capacitors.

Am 1(International), 2006-08-25

SANS 60923:2007 / IEC 60923:2006 (2012-03-30) (SABS IEC 60923) Auxiliaries for lamps - Ballasts for discharge lamps (excluding tubular fluorescent lamps) - Performance requirements Ed 3.01 A4 28p EN Gr 10 PDF 28p EN 29.140.30

Covers performance requirements for ballasts for discharge lamps such as high-pressure mercury vapour, low-pressure sodium vapour, highpressure sodium vapour and metal halide lamps. Also covers inductive type ballasts for use on a.c. supplies up to 1 000 V at 50 Hz to 60 Hz associated with discharge lamps, having rated wattage, dimensions and characteristics as specified in the relevant lamp standards. **Am 1(International), 2007-03-02**

SANS 60925:2001 / IEC 60925:2001 (2013-03-01)

(SABS IEC 60925) DC supplied electronic ballasts for tubular fluorescent lamps - Performance requirements

Ed 1.02 A4 20p EN	Gr 9
PDF 20p EN	29.140.30

Specifies general performance requirements for electronic ballasts for use on d.c. supplies having rated voltages not exceeding 250 V, associated with tubular fluorescent lamps.

Am 2(International), 2001-11-19

Am 1(International), 1996-04-01 Am 1(National), 1997-01-13 Am 2(National), 2007-03-02

SANS 60927:2007 / IEC 60927:2007 (2013-03-01)

(SABS IEC 60927)

Auxiliaries for lamps - Starting devices (other than glow starters) - Performance requirements Ed 3.00 A4 32p EN Gr 11 PDF 32p EN 29 140 30

Specifies performance requirements for starting devices (starters and ignitors) for tubular fluorescent and other discharge lamps for use on a.c. supplies up to 1 000 V at 50 Hz or 60 Hz, which produce starting pulses not greater than 5 kV.

SANS 60929:2012 / IEC 60929:2011 (SABS IEC 60929)

AC and/or DC-supplied electronic control gear for tubular fluorescent lamp	s - Performance requirements
Ed 4.00 A4 43p EN	Gr 12
PDF 43p EN	29.140.30
On a literation of the second se	

Specifies performance requirements for electronic control gear for use on a.c at 50 Hz or 60 Hz and/or d.c supplies, both up to 1 000 V, with operating frequencies deviating from the supply frequency, associated with fluorescent lamps as specified in IEC 60081 (published in South Africa as an identical adoption under the designation SANS 60081) and IEC 60901 (published in South Africa under the designation SANS 60901), and other fluorescent lamps for high-frequency operation.

Applies to circuit-breakers, the main contacts of which are intended to be connected to circuits, the rated voltage of which does not exceed 1 000 V a.c. or 1 500 V d.c. Also contains additional requirements for integrally fused circuit-breakers. Am 1(International), 2009-12-11 0047 0-0010 / IEO 00047 0-0010 the rated voltage does not exceed 1 000 V a.c. or 1 500 V d.c. Cor 1(International), 2012-11-30

Ed 3 tor circuits of which Appli

Am 1(International), 2012-11-30

Low-voltage switchgear and controlgear Part 2: Circuit-breakers

SANS 60947-4-1:2011 / IEC 60947-4-1:2009

a.c. or 1 500 V d.c.

(SABS IEC 60947-4-1)	
Low-voltage switchgear and controlgear P	art 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters
Ed 3.00 A4 123p EN	Gr 16

Applies to types of equipment whose main contacts are intended to be connected to circuits the rated voltage of which does not exceed 1 000 V

PDF 123p EN

SANS 60947-3:2012 / IEC 60947-3:2012	
(SABS IEC 60947-3)	
Low-voltage switchgear and controlgear Part 3: Switc	ches, disconnectors, switch-disconnectors and fuse-combination units
Ed 3.01 A4 66p EN	Gr 14
PDF 66p EN	29.120.40; 29.130.20
Applies to switches, disconnectors, switch-disconnectors	and fuse-combination units to be used in distribution circuits and motor circuits

Specifies the performance requirements for three classes of sound calibrator: laboratory standard (class LS) sound calibrators which are normally

SANS 60947-1:2012 / IEC 60947-1:2011
(SABS IEC 60947-1)
Low-voltage switchgear and controlgear Part 1: General rules

SANS 60947-1:2012 / IEC 60947-1:2011
(SABS IEC 60947-1)
Low-voltage switchgear and controlgear Part 1: General rules

used only in the laboratory, and class 1 and class 2 calibrators that are considered as sound calibrators for field use.

SANS 60947-1:2012 / IEC 60947-1:2011
(SABS IEC 60947-1)
Low-voltage switchgear and controlgear Part 1: General rules

Low-vol	tage switchgear and controlgear Part 1: General rules	
Ed 5.01	A4 253p EN	Gr 21
	PDF 253n EN	

20

Applies, when required by the relevant product standard, to switchgear and controlgear referred to as "equipment" and intended to be connected to

LOW-VOI	age switchgear and controlgear Part 1: General rules	
Ed 5.01	A4 253p EN	Gr 21
	PDF 253p EN	29.120.40; 29.130.

circuits, the rated voltage of which does not exceed 1 000 V a.c. or 1 500 V d.c. Am 1(International), 2012-03-30

Am 1(International), 2007-09-28

SANS 60939-1:2007 / IEC 60939-1:2005

(SABS IEC 60939-1)

machines.

(SABS IEC 60942)

Ed 2.00 A4 90p EN

Ed 4.01 A4 227p EN

ectromagnetic interference suppression Part 1: Generic specification

	_0 00	555 1	,	
Passive	filter	units	for	ele

Ed 2.00 A4 34p EN PDF 34p EN

Cor 1(International), 2007-09-14

PDF 90p EN

Electroacoustics - Sound calibrators

SANS 60947-2:2009 / IEC 60947-2:2009

PDF 227p EN

SANS 60942:2003 / IEC 60942:2003 (2009-02-20)

PDF 118p EN

SANS 60934:2007 / IEC 60934:2007 (2012-12-14) (SABS IEC 60934) Circuit-breakers for equipment (CBE)

Ed 2.01 A4 118p EN Gr 16 29,120,50

Applies to mechanical switching devices designed as "circuit-breakers for equipment" (CBE) intended to provide protection to circuits within electrical equipment. Is also applicable to switching devices for protection of electrical equipment in case of undervoltage and/or overvoltage. Is applicable for a.c. not exceeding 440 V and/or d.c. not exceeding 250 V, a rated current not exceeding 125 A and a rated short-cicuit capacity not exceeding 3 000 A.

Relates to passive filter units for electromagnetic interference suppression for use within, or associated with, electronic or electrical equipment and

NUMERICAL LIST OF STANDARDS

Gr 11

Gr 15

Gr 20

29.130.20

29.130.20

17.140.50

- 31.160; 33.100.10

SANS 60947-4-2:2012 / IEC 60947-4-2:2011 (SABS IEC 60947-4-2)	
Low-voltage switchgear and controlgear Part 4-2: Contactors and motor-sta	arters - AC semiconductor motor controllers and starters
Ed 3.00 A4 95p EN	Gr 15
Applies to a company ductor motor controllars and startors, which may include	29.130.20
circuits, the rated voltage of which does not exceed 1000 V a.c. Cor 1(International), 2012-12-14	a series mechanical switching device, intended to be connected to
SANS 60947-4-3:2012 / IEC 60947-4-3:2011	
(SABS IEC 60947-4-3)	where AQ complementary controllers and controllers for
non-motor loads	arters - AC semiconductor controllers and contactors for
Ed 1.02 A4 85p EN	Gr 15
	29.130.20; 31.180
electric circuits between the ON-state and the OFF-state.	a for performing electrical operations by changing the state of a.c.
Cor 1(International), 2000-08-01 Am 1(International), 2007-07-13	Am 2(International), 2012-03-30
SANS 60947-5-1:2010 / IEC 60947-5-1:2009 (SABS IEC 60947-5-1)	
Low-voltage switchgear and controlgear Part 5-1: Control circuit devices an devices	nd switching elements - Electromechanical control circuit
Ed 3.01 A4 93p EN	Gr 15
PDF 93p EN	29.130.20
Applies to control circuit devices and switching elements intended for controlling, control circuit devices with a rated voltage not exceeding 1 000 V a.c. or 600 V d Am 1(International), 2010-03-26	signalling and interlocking of switchgear and controlgear. Covers .c.
SANS 60947-5-2:2008 / IEC 60947-5-2:2007	
(SABS IEC 60947-5-2)	
Low-voltage switchgear and controlgear Part 5-2: Control circuit devices an	or 16
PDF 103p EN	29.120.40; 29.130.20
Applies to inductive and capacitive proximity switches that sense the presence of that sense the presence of sound reflecting objects, photoelectric proximity switch sense the presence of objects with a magnetic	f metallic and/or non-metallic objects, ultrasonic proximity switches thes that sense the presence of objects and non-mechanical field.
SANS 60947-5-3:2005 / IEC 60947-5-3:2005 (2010-07-02) (SABS IEC 60947-5-3)	
Low-voltage switchgear and controlgear Part 5-3: Control circuit devices and devices with defined behaviour under fault conditions (PDF)	nd switching elements - Requirements for proximity
Ed 1.01 A4 37p EN PDF 37p EN	Gr 11
Applies to provimity devices with an enhanced resistance to failure (PDE). Speci	29.120.99, 29.130.20
Am 1(International), 2005-10-28	
SANS 60947-5-4:2003 / IEC 60947-5-4:2002 (2008-11-28) (SABS IEC 60947-5-4)	
Low-voltage switchgear and controlgear Part 5-4: Control circuit devices an performance of low-energy contacts - Special tests	nd switching elements - Method of assessing the
Ed 2.00 A4 26p EN PDF 26p EN	Gr 10 29 130 20
Applies to separable contacts used in the utilization area considered, such as sw to propose a method of assessing the performances of low energy contacts.	vitching elements for control circuits. The object of this standard is
SANS 60947-5-5:2005 / IEC 60947-5-5:2005 (2010-07-02)	
(SABS IEC 60947-5-5)	
Low-voltage switchgear and controlgear Part 5-5: Control circuit devices an with mechanical latching function	nd switching elements - Electrical emergency stop device
Ed 1.01 A4 19p EN	Gr 9
PDF 19p EN	29.120.99; 29.130.20
Provides detailed specifications relating to the electrical and mechanical constru- and to their testing. Is applicable to electrical control circuit devices and switching Such devices may be either provided with their own enclosure, or installed accor Am 1(International), 2005-11-21 Cor 1(International), 2005-11-21	ction of emergency stop devices with mechanical latching function g elements which are used to initiate an emergency stop signal. ding to the manufacturer's instructions.

Standards South Africa Catalogue 2013 NUM - 785

Ed 1.00 A4 15p EN PDF 15p EN	Gr 8 29 130 20
States the requirements for proximity devices with analogue output.	20.100.20
SANS 60947-5-8:2007 / IEC 60947-5-8:2006 (2012-06-22) Low-voltage switchgear and controlgear Part 5-8: Control circuit Ed 1.00 A4 22p EN	devices and switching elements - Three-position enabling switches Gr 9
PDF 22p EN	29.130.20
Specifies requirements for three-position enabling switches. These sw when activated, allow machine operation to be initiated by a separate initiation of machine operation.	witches are used as components of enabling devices to provide signals that, start control, and when de-activated, initiate a stop function, and prevent
SANS 60947-5-9:2007 / IEC 60947-5-9:2006 (2013-02-22) Low-voltage switchgear and controlgear Part 5-9: Control circuit	devices and switching elements - Flow rate switches
PDF 36p EN	29.130.20
Applies to flow rate switches that sense the rate of flow of a gas, a liq value for the speed of flow is exceeded.	uid or a granular solid. These switches change their output state if a pre-set
SANS 60947-6-1:2006 / IEC 60947-6-1:2005 (2011-10-07) (SABS IEC 60947-6-1)	on equipment - Transfer switching equipment
Ed 2.00 A4 44p EN PDF 44p EN	Gr 12 29.130.20
Applies to transfer switching equipment (TSE) to be used in power sy voltage of which does not exceed 1 000 V a.c. or 1 500 V d.c.	stems with interruption of the supply to the load during transfer, the rated
SANS 60947-6-2:2007 / IEC 60947-6-2:2007 (2013-02-08) (SABS IEC 60947-6-2)	
Low-voltage switchgear and controlgear Part 6-2: Multiple functi	on equipment - Control and protective switching devices (or
Ed 2.01 A4 127p EN PDF 127p EN	Gr 17 29.120.40; 29.130.20
Applies to control and protective switching devices (or equipment) (Cl rated voltage not exceeding 1 000 V a.c. or 1 500 V d.c. CPSs are int Am 1(International) , 2007-10-05	PS), the main contacts of which are intended to be connected to circuits of ended to provide both protective and control functions for circuits.
SANS 60947-7-1:2009 / IEC 60947-7-1:2009 (SABS IEC 60947-7-1)	
Low-voltage switchgear and controlgear Part 7-1: Ancillary equip	oment - Terminal blocks for copper conductors
Ed 3.00 A4 35p EN PDF 35p EN	Gr 11
Specifies requirements for terminal blocks with screw-type or screwle be fixed to a support to provide electrical and mechanical connection	ess-type clamping units primarily intended for industrial or similar use and to between copper conductors.
SANS 60947-7-2:2009 / IEC 60947-7-2:2009 (SABS IEC 60947-7-2)	
Low-voltage switchgear and controlgear Part 7-2: Ancillary equip	oment - Protective conductor terminal blocks for copper conductors
Ed 3.00 A4 19p EN	Gr 9

SANS 60947-5-9:2007 / IEC 60947-5-9:2006 (2013-02-22)	
Low-voltage switchgear and controlgear Part 5-9: Control circuit devices and switching elements - Flow ra	ite

LOW-VOI	age switchgear and controlgear Part 5-9: Co	introl circuit devices and switching elements
Ed 1.00	A4 36p EN	Gr 11
	PDF 36p EN	29.130.20

SAN (SAE

PDI 44PLN					
Applies to transfer switching	equipment	(TSE)	to be	used in	power s

SAN

Ed 2.01	A4 127p EN				Gr 17
	PDF 127p EN				29.120.40; 29.130.20

SAN

Low-volt	age switchgear and controlgear Part 7-2: Ancillary equipment - Prote	ective conductor terminal blocks for copper conductors
Ed 3.00	A4 19p EN	Gr 9
	PDF 19p EN	29.130.20

Specifies requirements for protective conductor terminal blocks with PE function up to 120 mm² (250 kcmil) and for protective conductor terminal blocks with PEN function equal to and above 10 mm² (AWG 8) with screw-type or screwless-type clamping units, primarily intended for industrial applications.

Standards South Africa Catalogue 2013

NUMERICAL LIST OF STANDARDS

Low-voltage switchgear and controlgear Part 5-6: Control circuit devices and switching elements - DC interface for proximity sensors

devices can be used in an explosive atmosphere if they also comply with IEC 60079-11 (published in South Africa as an identical adoption under

Low-voltage switchgear and controlgear Part 5-7: Control circuit devices and switching elements - Requirements for proximity

Gr 6 29.130.20

Applies to proximity sensors connected for operation by a two-wire connecting cable to the control input of a switching amplifier. The switching amplifier contains a d.c. source to supply the control circuit and is controlled by the variable internal resistance of the proximity sensor. These

PDF 15p EN

SANS 60947-5-7:2003 / IEC 60947-5-7:2003 (2008-11-28)

(SABS IEC 60947-5-6)

Ed 1.00 A4 15p EN

and switching amplifiers (NAMUR)

the designation SANS 60079-11). Am 1(National), 2007-08-31

devices with analogue output

SANS 60947-5-6:1999 / IEC 60947-5-6:1999 (2010-10-01)

Standards South Africa Catalogue 2013 NUM - 787

PDF 35p EN		29.130.20
Specifies rules for control units, which machines according to IEC 60034-11 application.	n perform the switching functions in r (published in South Africa as an ide	response to the thermal detectors incorporated in rotating electrical entical adoption under the designation SANS 60034-11), and the industrial
Am 1(International), 2007-07-06	Am 2(International), 2012-04-2	0
SANS 60950-1:2010 / IEC 60950-1:2	2005	
Information technology equipment	- Safety Part 1: General requirement	ents
Ed 2.00 A4 306p EN		Gr 22
PDF 306p EN		35.020; 35.260
Applicable to mains-powered or batte equipment, with a rated voltage not e Cor 1(International), 2010-02-12	ry-powered information technology e xceeding 600 V.	equipment, including electrial business equipment and associated
SANS 60968:2006 / IEC 60968:1999 Self-ballasted lamps for general lig	(2011-12-15) hting services - Safety requireme	nts
Ed 1.02 A4 17p EN	· · ·	Gr 8
PDF 17p EN		29.140.30
Specifies the safety and interchangea fluorescent and other gas-discharge I domestic and similar general lighting caps.	ability requirements, together with the amps with integrated means for com purposes, having a rated wattage up	e test methods and conditions, required to show compliance of tubular trolling starting and stable operation (self-ballasted lamps), intended for o to 60 W, a rated voltage of 100 V to 250 V, and Edison screw or bayoned
Am 1(International), 2006-03-10	Am 2(International), 2006-03-1	0
SANS 60969:2010 Self-ballasted lamps for general lig Ed 1.00 A4 16p EN PDF 16p EN	hting services - Performance requ	uirements Gr 8
		29.140.30
Specifies the performance requireme other gas-discharge lamps with integr similar general lighting purposes havi Am 1(International), 2010-03-26	nts together with the test methods a rated means for controlling starting a ng a rated wattage up to 60 W, a rat Am 2(International), 2010-03-2	nd conditions required to show compliance of tubular fluorescent and and stable operation (self-ballasted lamps) intended for domestic and ted voltage of 100 V to 250 V, and Edison screw or bayonet caps. 6
CANC 60074 1:0002 / IEC 60074 1:0	000 (2008 12 12)	
(SABS IEC 60974-1)	.000 (2000-12-12)	
Arc welding equipment Part 1: Wel	ding power sources	
Ed 1.01 A4 76p EN		Gr 14
PDF 76p EN		25.160.30
Applicable to power sources for arc w specified, or driven by mechanical me and plasma cutting systems. Am 1(International), 2000-11-10	relding and allied processes designe eans. Specifies safety requirements	ed for industrial and professional use, and supplied by a voltage as for construction and performance requirements of welding power sources
SANS 60974-2:2009 / IEC 60974-2:2	2007	
Arc welding equipment Part 2: Liqu	uid cooling systems	
Ed 1.00 A4 18p EN		Gr 8
PDF 18p EN		25.160.30
Specifies safety and construction req cool torches. Is applicable to stand-a welding power source enclosure.	uirements for industrial and profession in the second strain in the second strain in the second strain second stra	onal liquid cooling systems used in arc welding and allied processes to either connected to a separate welding power source or built into the

SANS 60947-8:2012 / IEC 60947-8:2011

SANS 60947-7-3:2009 / IEC 60947-7-3:2009

Low-voltage switchgear and controlgear Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines Gr 11

Ed 1.02 A4 35p EN PDF 35p EN

Ed 2.00 A4 38p EN

Low-voltage switchgear and controlgear Part 7-3: Ancillary equipment - Safety requirements for fuse terminal blocks Gr 11

PDF 38p EN 29.130.20 Applies to fuse terminal blocks with screw-type or screwless-type clamping units for the connection of rigid (solid or stranded) or flexible copper conductors for the reception of cartridge fuse-links in accordance with IEC 60127-2, intended primarily for industrial or similar use in circuits not

NUMERICAL LIST OF STANDARDS

exceeding 1 000 V a.c., up to 1 000 Hz or 1 500 V d.c., and having a maximum short-circuit breaking capacity of 1 500 A.

SANS 60974-3:2009 / IEC 60974-3:2007 Arc welding equipment Part 3: Arc striking and stabilizing devices Ed 1.00 A4 20p EN Gr 9 PDF 20p EN 25.160.30 Specifies safety requirements for industrial and professional arc striking and arc stabilizing devices used in arc welding and allied processes. Applies to stand-alone arc striking and arc stabilizing devices that are either connected to a separate welding power source or built into the welding power source enclosure. Does not include electromagnetic compatibility (EMC) requirements. SANS 60974-5:2009 / IEC 60974-5:2007 Arc welding equipment Part 5: Wire feeders Ed 1.00 A4 21p EN Gr 9 PDF 21p EN 25.160: 25.160.30 Specifies safety and performance requirements for industrial and professional equipment used in arc welding and allied processes to feed filler wire SANS 60974-6:2012 / IEC 60974-6:2010 Arc welding equipment Part 6: Limited duty equipment Ed 2.00 A4 38p EN Gr 11 PDF 38p EN 25.160.30 Specifies safety and performance requirements applicable to limited duty arc welding and cutting power sources, and auxiliaries designed for use by laymen. SANS 60974-7:2006 / IEC 60974-7:2005 (2012-10-05) (SABS IEC 60974-7) Arc welding equipment Part 7: Torches Ed 2.00 A4 32p EN Gr 11 PDF 32p EN 25.160.30 Specifies safety and construction requirements for torches for arc welding and allied processes. SANS 60974-9:2011 / IEC 60974-9:2010 Arc welding equipment Part 9: Installation and use Ed 1.00 A4 28p EN Gr 10 PDF 28p EN 25.160.30 Applicable to the installation and use of equipment for arc welding and allied processes designed in accordance with safety requirements of IEC 60974-1, IEC 60974-6 or equivalent (IEC 60974-1 and IEC 60974-6 have been published in South Africa as identical adoptions under the designations SANS 60974-1 and SANS 60974-6). SANS 60974-11:2005 / IEC 60974-11:2004 (SABS IEC 60974-11) Arc welding equipment Part 11: Electrode holders Ed 2.00 A4 14p EN Gr 7 PDF 14p EN 25,160,30 Applicable to electrode holders for manual metal arc welding with electrodes up to 10 mm in diameter. SANS 60974-12:2012 / IEC 60974-12:2011 (SABS IEC 60974-12) Arc welding equipment Part 12: Coupling devices for welding cables Ed 3.00 A4 14p EN Gr 7 PDF 14p EN 25.160.30 Applies to coupling devices for cables used in arc welding and allied processes, designed for connection and disconnection without using tools. Specifies safety and performance requirements of coupling devices. Does not apply to coupling devices for underwater welding SANS 60998-1:2006 / IEC 60998-1:2002 (2010-12-09)

NUMERICAL LIST OF STANDARDS

Connecting devices for low-voltage circuits for household and similar purposes Part 1: General requirements

Ed 1.00 A4 26p EN PDF 26p EN

Applies to connecting devices as separate entities for the connection of two or more electrical copper conductors rigid (solid or stranded) or flexible, having a cross-sectional area of 0,2 square millimetres up to and including 35 square millimetres and equivalent AWG conductors with a rated voltage not exceeding 1 000 V a.c. up to and including 1 000 Hz and 1 500 V d.c. where electrical energy is used for household and similar purposes.

Gr 10

29.120.20

Applies to connecting devices with screw-type clamping units primarily suitable for with a rated current not exceeding 1 000 V a.c. up to and including 1 000 Hz and 1 similar purposes.	connecting unprepared conductors. Covers low-voltage circuits 500 V d.c. where electrical energy is used for household and
SANS 60998-2-2:2006 / IEC 60998-2-2:2002 (2010-12-09)	
Connecting devices for low-voltage circuits for household and similar purport devices as separate entities with screwless-type clamping units	ses Part 2-2: Particular requirements for connecting
Ed 1.00 A4 24p EN PDF 24p EN	Gr 10 29.120.20
Applies to connecting devices with screwless-type clamping units primarily suitable circuits with a rated voltage not exceeding 1 000 V a.c. up to and including 1 000 H and similar purposes.	e for connecting unprepared conductors. Covers low-voltage Iz and 1 500 V d.c. where electrical energy is used for household
SANS 60998-2-3:2006 / IEC 60998-2-3:2002 (2010-12-09) Connecting devices for low-voltage circuits for household and similar purpor devices as separate entities with insulation-niercing clamping units	ses Part 2-3: Particular requirements for connecting
Ed 1.00 A4 23p EN PDF 23p EN	Gr 10 29.120.20
Applies to connecting devices with insulation-piercing clamping units primarily suita low-voltage circuits with a rated voltage not exceeding 1 000 V a.c. up to and inclus for household and similar purposes.	able for connecting insulated unprepared conductors. Covers ding 1 000 Hz and 1 500 V d.c. where electrical energy is used
SANS 60998-2-4:2006 / IEC 60998-2-4:2004 (2010-12-09) Connecting devices for low-voltage circuits for household and similar purpor connecting devices	ses Part 2-4: Particular requirements for twist-on
Ed 1.00 A4 25p EN PDF 25p EN	Gr 10 29.120.20
Applies to twist-on connecting devices for connecting two or more unprepared rigic of 0,5 square millimetres up to and including 16 square millimetres, the total cross-square millimetres. Covers low-voltage circuits up to 1 000 V a.c. and 1 500 V d.c. purposes.	I and/or flexible copper conductors having a cross-sectional area sectional area of the connected conductors not exceeding 35 where electrical energy is used for household and similar
SANS 61000-1-1:1992 / IEC 61000-1-1:1992 (2011-11-11) (SABS IEC 61000-1-1)	
Electromagnetic compatibility (EMC) Part 1: General Section 1: Application a	nd interpretation of fundamental definitions and terms
Ed 1.00 A4 31p EN PDF 31p EN	Gr 11 29.020
Describes and interprets various terms considered to be of basic importance to con- electromagnetically compatible systems. Am 1(National), 2007-05-25	ncepts and practical application in the design and evaluation of
SANS 61000-1-2:2009 / IEC TS 61000-1-2:2008 Electromagnetic compatibility (EMC) Part 1-2: General - Methodology for the electronic systems including equipment with regard to electromagnetic phen	achievement of functional safety of electrical and omena
Ed 2.00 A4 85p EN PDF 85p EN	Gr 15 33.100.01
Establishes a methodology for the achievement of functional safety only with regar systems and installations, as installed and used under operational conditions. This in such systems and installations. May also be used as a guide for considering EM safety.	d to the electromagnetic phenomena of electrical and electronic methodology includes the implication it has on equipment used IC requirements for other systems having a direct contribution to
SANS 61000-1-3:2006 / IEC/TR 61000-1-3:2002 (2011-03-04) Electromagnetic compatibility (EMC) Part 1-3: General - The effects of high-al	Ititude EMP (HEMP) on civil equipment and systems
Ed 1.00 A4 47p EN PDF 47p EN	Gr 12 33.100.99
Describes the effects that have occurred during actual and simulated electromagne effects of HEMP on modern electronic systems.	etic pulse testing to illustrate the seriousness of the possible
SANS 61000-1-5:2006 / IE/TR 61000-1-5:2004 (2011-03-04) Electromagnetic compatibility (EMC) Part 1-5: General - High power electrom	agnetic (HPFM) effects on civil evetoms
Ed 1.00 A4 44p EN PDF 44p EN	Gr 12 22 100 01
Provides background material describing the motivation for developing IEC standa currents and voltages on civil systems.	rds on the effects of high power electromagnetic (HPEM) fields,

Gr 10 29.120.20

Connecting devices for low-voltage circuits for household and similar purposes Part 2-1: Particular requirements for connecting

SANS 60998-2-1:2006 / IEC 60998-2-1:2002 (2010-12-09)

Ed 1.00 A4 30p EN PDF 30p EN

devices as separate entities with screw-type clamping units

Standards South Africa Catalogue 2013

(SABS IEC 61000-2-6)	
Electromagnetic compatibility (EMC) Part 2: Environme industrial plants as regards low-frequency conducted of	ent Section 6: Assessment of the emission levels in the power supply of disturbances
Ed 1.00 A4 60p EN PDF 60p EN	Gr 13 33.100.10
Recommends the procedures to assess the disturbances le public networks in industrial environment as far as the low- relevant emission limits can be derived. Am 1(National), 2007-04-13	evels produced by the emission of the devices, equipment and systems installed in non- frequency conducted disturbances in the power supply are concerned; on this basis, the
SANS 61000-2-7:1998 / IEC 61000-2-7:1998 (2011-11-11) (SABS IEC 61000-2-7) Electromagnetic compatibility (EMC) Part 2: Environme	ent Section 7: Low frequency magnetic fields in various environments
Ed 1.00 A4 36p EN PDF 36p EN	Gr 11 33.100.01
Covers magnetic fields and the concern over the physiolog on the performance of some electrical equipment, particula report as reference values. Am 1(National), 2007-04-13	lical effects they may have on humans and animals and the deleterious effects they have arly video display units. Investigations have yielded results which are presented in this

Deals with conducted disturbances in the frequency range from 0 kHz to 9 kHz. Gives numerical compatibility levels for industrial and non-public power distribution systems at nominal voltages up to 35 kV and a nominal frequency of 50 Hz or 60 Hz.

SANS 61000-2-5:2012 / IEC/TR 61000-2-5:2011

(SABS IEC 61000-2-5)

Ed 1.00 A4 28p EN

(SABS IEC 61000-2-2)

Ed 2.00 A4 31p EN

Ed 1.00 A4 69p EN

disturbances Ed 1.00 A4 39p EN

PDF 28p EN

PDF 31p EN

PDF 69p EN

PDF 39p EN

signalling in public low-voltage power supply systems

three-phase and a nominal frequency of 50 Hz or 60 Hz SANS 61000-2-3:2007 / IEC 61000-2-3:1992 (2011-11-11)

SANS 61000-2-4:2003 / IEC 61000-2-4:2002 (2013-03-01)

frequency-related conducted phenomena

fication of electromagnetic environments

Electron	agnetic compatibility (EMC) Part 2-5: Environment - Description an	d classi
Ed 2.00	A4 126p EN	Gr 17
	DDE 1060 EN	

PDF 126p EN 33.100.01 Guides those who are in charge of writing immunity standards for equipment or a system. Classifies electromagnetic environments and helps to improve the specification of the immunity requirements of an item that contains electrical or electronic parts, and consequently obtains electromagnetic compatibility.

SANS 61000-2-6:1995 / IEC 61000-2-6:1995 (2011-11-11)

muusuna	ii piants as regalus iu	w-nequency conducted disturbances	
Ed 1.00	A4 60p EN	Gr 13	3
	PDF 60p EN	33,100)

Am 1(Natio

SANS 610

Describes the electromagnetic environment, and is intended as a basis to achieve electromagnetic compatibility in system and equipment design.

Electromagnetic compatibility (EMC) Part 2-4: Environment - Compatibility levels in industrial plants for low-frequency conducted

Electromagnetic compatibility (EMC) Part 2: Environment Section 3: Description of the environment - Radiated and non-network-

Gr 11 33.100.10 Deals with conducted disturbances in the frequency range from 0 kHz to 9 kHz, with an extension up to 148,5 kHz specifically for mains signalling

Gr 14

33.100

Gr 11

33.100.10

Gr 10 33.100

Is concerned with conducted disturbances in the frequency range up to 10 kHz with an extension for mains signalling systems. Object is to give

systems. Gives compatibility levels for public low voltage a.c. distribution systems having a nominal voltage up to 420 V, single-phase or 690 V,

information on the various types of disturbances that can be expected on public power supply systems.

Electromagnetic compatibility (EMC) Part 2-2: Environment - Compatibility levels for low-frequency conducted disturbances and

SANS 61000-2-2:2002 / IEC 61000-2-2:2002 (2013-03-01)

for low-frequency conducted disturbances and signalling in public power supply systems

SANS 61000-2-1:2006 / IEC 61000-2-1:1990 (2011-03-04) Electromagnetic compatibility (EMC) Part 2: Environment Section 1: Description of the environment - Electromagnetic environment

Electromagnetic compatibility (EMC) Part 2: Environment Section 9: Description of HEMP environment - Radiated disturbance - Basic **EMC** publication Ed 1.00 A4 26p EN Gr 10 PDF 26p EN 33.100.10 Defines the high-altitude electromagnetic pulse (HEMP) environment that is one of the consequences of a high-altitude nuclear explosion. Object is to establish a common reference for the HEMP environment in order to select realistic stresses to apply to victim equipment for evaluating their performance SANS 61000-2-10:2007 / IEC 61000-2-10:1998 (2011-11-11)

Electromagnetic compatibility (EMC) Part 2-10: Environment - Description of HEMP environment - Conducted disturbance Ed 1.00 A4 44p EN Gr 12 PDF 44p EN 33,100,10 Defines the high-altitude electromagnetic pulse (HEMP) conducted environment that is one of the consequences of a high-altitude nuclear

explosion. Object is to establish a common reference for the conducted HEMP environment in order to select realistic stresses to apply to victim equipment for evaluating their performance.

SANS 61000-2-11:2006 / IEC 61000-2-11:1999 (2011-03-04) Electromagnetic compatibility (EMC) Part 2-11: Environment - Classification of HEMP environments Ed 1.00 A4 17p EN Gr 8 PDF 17p EN 33.100; 33.100.01; 33.100.20

Applicable to the classification of high-altitude EMP (HEMP) electromagnetic environments. Purpose is to help specify the immunity requirements of an item (e.g. equipment or subsystem) containing electrical or electronic parts to ensure that it will operate during and/or after exposure to a HEMP waveform.

SANS 61000-2-12:2005 / IEC 61000-2-12:2003 (2010-04-16)

SANS 61000-2-9:2007 / IEC 61000-2-9:1996 (2011-11-11)

Electromagnetic compatibility (EMC) Part 2-12: Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public medium-voltage power supply systems Gr 10

Ed 1.00 A4 29p EN PDF 29p EN

Is concerned with conducted disturbances in the frequency range from 0 kHz to 9 kHz, with an extension up to 148,5 kHz specifically for mains signalling systems. Gives compatibility levels for public medium voltage a.c. distribution systems having a nominal voltage between 1 kV and 35 kV and a nominal frequency of 50 Hz or 60 Hz.

SANS 61000-2-13:2007 / IEC 61000-2-13:2005 (2011-11-11) Electromagnetic compatibility (EMC) Part 2-13: Environment - High-power electromagnetic (HPEM) environments - Radiated and

conducted

Ed 1.00 A4 41p EN PDF 41p EN

Defines a set of typical radiated and conducted HPEM environment waveforms that may be encountered in civil facilities. Such threat environments can produce damaging effects on electrical and electronic equipment in the civilian sector as described in IEC/TR 61000-1-5 (adopted as SANS 61000-1-5)

SANS 61000-3-2:2009 / IEC 61000-3-2:2009

(SABS IEC 61000-3-2)

Electromagnetic compatibility (EMC) Part 3-2: Limits - Limits for harmonic current emissions (equipment input current <= 16 A per phase)

Ed 3.02	A4 33p EN	Gr 11	
	PDF 33p EN	33.100.1	0

Deals with the limitation of harmonic currents injected into the public supply system. Specifies limits of harmonic components of the input current which may be produced by equipment tested under specified conditions.

Am 1(International), 2008-07-18 Am 2(International), 2009-06-12

SANS 61000-3-3:2009 / IEC 61000-3-3:2008

(SABS IEC 61000-3-3)

Electromagnetic compatibility (EMC) Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public lowvoltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection Gr 10

Ed 2.00 A4 28p EN PDF 28p EN

Applies to the limitation of voltage fluctuations and flicker impressed on the public low-voltage system. Specifies limits of voltage changes that may be produced by equipment tested under specified conditions and gives guidance on methods of assessment.

33.100.20

Gr 12 33.100; 33.100.01

33.100.10

NUMERICAL L	IST OF	STAND	ARDS
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Electromagnetic compatibility (EMC) Part 3-4: Limits - Limitation of emission of harmonic currents in low-voltage power supply systems for equipment with rated current greater than 16 A Ed 1.00 A4 17p EN Gr 8 PDF 170 EN 33.100.10 Deals with the emission of disturbances due to harmonics. Applies to electrical and electronic equipment with a rated input current exceeding 16 A per phase and intended to be connected to public low-voltage a.c. distribution systems of nominal voltage up to 240 V, single-phase, two or three wires, nominal voltage up to 600 V, three-phase, three or four wires and nominal frequency 50 Hz or 60 Hz. Am 1(National), 2007-04-13 SANS 61000-3-5:2009 / IEC/TS 61000-3-5:2009 Electromagnetic compatibility (EMC) Part 3-5: Limits - Limitation of voltage fluctuations and flicker in low-voltage power supply systems for equipment with rated current greater than 75 A Ed 2.00 A4 12p EN Gr 7 PDF 12p EN 33.100.01 Applies to the emission of disturbances due to voltage fluctuations and flicker. Applicable to electrical and electronic equipment intended to be connected to a public low-voltage a.c. distribution system. SANS 61000-3-11:2003 / IEC 61000-3-11:2000 (2009-03-13) Electromagnetic compatibility (EMC) Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public lowvoltage supply systems - Equipment with rated current <= 75 A and subject to conditional connection Gr 8 PDF 16p EN 33.100.10 Concerned with the emission of voltage changes, voltage fluctuations and flicker produced by equipment and impressed on the public low-voltage supply system. It specifies the limits of voltage changes produced by equipment tested under specified conditions. SANS 61000-3-12:2012 / IEC 61000-3-12:2011 Electromagnetic compatibility (EMC) Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and <=75 A per phase Ed 2.00 A4 27p EN Gr 10 PDF 27p EN 33.100.01

Deals with the limitation of harmonic currents injected into the public supply system. The limits given are applicable to electrical and electronic equipment with a rated input current exceeding 16 A and up to and including 75 A per phase, intended to be connected to public low-voltage a.c. distribution systems.

SANS 61000-3-15:2012 / IEC/TR 61000-3-15:2011

SANS 61000-3-4:1998 / IEC 61000-3-4:1998 (2013-03-01)

Electromagnetic compatibility (EMC) Part 3-15: Limits - Assessment of low frequency electromagnetic immunity and emission requirements for dispersed generation systems in LV network Ed 1.00 A4 52p EN

PDF 52p FN

Is concerned with the critical assessment of existing and emerging national and international standards for single and multi-phase dispersed generation systems up to 75 A per phase, particularly converters connected to the public supply low voltage network, to serve as a starting point and to ultimately pave the way for the definition of appropriate EMC requirements and test conditions. Is limited to EMC issues (immunity and emission) up to 9 kHz and does not include other aspects of connection of generators to the grid.

SANS 61000-4-1:2007 / IEC 61000-4-1:2006 (2013-03-01)

(SABS IE	EC 61000-4-1)	
Electron	nagnetic compatibility (EMC) Part 4-1: Testing and measurement tec	hniques - Overview of IEC 61000-4 series
Ed 3.00	A4 18p EN	Gr 8
	PDF 18p EN	29 020: 33 100 20

Covers testing and measuring techniques for electric and electronic equipment (apparatus and systems) in its electromagnetic environment.

SANS 61000-4-2:2009 / IEC 61000-4-2:2008

(SABS IEC 61000-4-2)

Electromagnetic compatibility (EMC) Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test

Ed 2.00 A4 64p EN PDF 64p EN

Applies to the immunity requirements and test methods for electrical and electronic equipment subjected to static electricity discharges, from operators directly, and to adjacent objects. Additionally defines ranges of test levels which relate to different environmental and installation conditions and establishes test procedures.

Gr 14

17.220.20; 33.100.20

Ed 1.00 A4 16p EN

(SABS IEC 61000-3-4)

Gr 13 33 100 01

SANS 61000-4-3:2008 / IEC 61000-4-3: (SABS IEC 61000-4-3)	2008 (2010-07-23)	
Electromagnetic compatibility (EMC) field immunity test	Part 4-3: Testing and measurement tecl	nniques - Radiated, radio-frequency, electromagnetic
Ed 3.01 A4 72p EN		Gr 14
PDF 72p EN		17.220.20; 33.100.20
Applicable to the immunity requirements required test procedures.	s of electrical and electronic equipment to	adiated electromagnetic energy. Establishes test levels and the
Am 1(International), 2008-05-23	IS 1(International), 2009-05-15	Am 2(International), 2010-07-23
SANS 61000-4-4:2011 / IEC 61000-4-4:	2011	
Electromagnetic compatibility (EMC)	Part 4-4: Testing and measurement tecl	nniques - Electrical fast transient/burst immunity test
Ed 2.01 A4 33p EN	-	Gr 11
PDF 33p EN		17.220.20; 33.100.20
Relates to the immunity of electrical and procedures related to electrical fast trans	l electronic equipment to repetitive electric sients/bursts. Additionally defines ranges of	al fast transients. Gives immunity requirements and test of test levels and establishes test procedures.
Cor 1(International), 2007-04-13	Cor 2(International), 2007-09-14	Am 1(International), 2011-04-20
SANS 61000-4-5:2006 / IEC 61000-4-5: (SABS IEC 61000-4-5)	2005 (2011-03-18)	
Electromagnetic compatibility (EMC)	Part 4-5: Testing and measurement tecl	nniques - Surge immunity test
Ed 2.00 A4 49p EN	-	Gr 12
PDF 49p EN		17.220.20; 33.100.20
Relates to the immunity requirements, te overvoltages from switching and lightnin conditions.	est methods and range of recommended to g transients. Several test levels are define	est levels for equipment to unidirectional surges caused by d which relate to different environment and installation
SANS 61000-4-6:2009 / IEC 61000-4-6: (SABS IEC 61000-4-6) Electromagnetic compatibility (EMC)	2008 Part 4-6: Testing and measurement tecl	nniques - Immunity to conducted disturbances, induced
by radio-frequency fields		Cr 13
PDF 57p EN		33 100 20
Relates to the conducted immunity required radio-frequency (RF) transmitters in the	irements of electrical and electronic equip frequency range 9 kHz up to 80 MHz.	nent to electromagnetic disturbances coming from intended
SANS 61000-4-7:2009 / IEC 61000-4-7:	2009	
Electromagnetic compatibility (EMC) interharmonics measurements and in	Part 4-7: Testing and measurement tecl strumentation, for power supply system	nniques - General guide on harmonics and ns and equipment connected thereto
Ed 2.01 A4 42p EN		Gr 12
PDF 42p EN		33.100.10; 33.100.20
Applicable to instrumentation intended fundamental of the power supply system Cor 1(International), 2005-05-12	or measuring spectral components in the f as at 50 Hz and 60 Hz. Am 1(International), 2009-12-04	requency range up to 9 kHz which are superimposed on the
CANC 61000 4 9:0000 / IEC 61000 4 9:	2000	
Electromagnetic compatibility (EMC)	2009 Part 4-8: Testing and measurement tecl	nniques - Power frequency magnetic field immunity test
Ed 2.00 A4 34p EN		Gr 11
PDF 34p EN		33.100.20
Relates to the immunity requirements of 60 Hz related to residential and commer	equipment, only under operational conditicial locations, industrial installations and p	ons, to magnetic disturbances at power frequencies 50 Hz and ower plants, and medium-voltage and high-voltage substations.
SANS 61000-4-9:2003 / IEC 61000-4-9: Electromagnetic compatibility (EMC)	2001 (2009-03-13) Part 4-9: Testing and measurement tecl	nniques - Pulse magnetic field immunity test
Ed 1.01 A4 30p EN		Gr 10
PDF 30p EN		33.100.20
Relates to the immunity requirements of installations and to power plants and me Am 1(International), 2003-08-29	equipment, only under operational conditied edium-voltage and high-voltage substations	ons, to pulse magnetic disturbances mainly related to industrial S.

SANS 61000-4-10:2003 / IEC 61000-4-10:2001 (2009-03-13) Electromagnetic compatibility (EMC) Part 4-10: Testing and measurement tect	hniques - Damped oscillatory magnetic field immunity
Ed 1.01 A4 30p EN	Gr 10
Relates to the immunity requirements of equipment, only under operational condition medium-voltage and high-voltage substations. Am 1(International), 2003-08-29	ons, to damped oscillatory magnetic disturbances related to
SANS 61000-4-11:2005 / IEC 61000-4-11:2004 (2010-04-16) Electromagnetic compatibility (EMC) Part 4-11: Testing and measurement tect variations immunity tests	hniques - Voltage dips, short interruptions and voltage
Ed 1.00 A4 27p EN PDF 27p EN	Gr 10 33,100,01
Defines the immunity test methods and range of preferred test levels for electrical networks for voltage dips, short interruptions, and voltage variations.	and electronic equipment connected to low-voltage power supply
SANS 61000-4-12:2007 / IEC 61000-4-12:2006 (2013-03-01) (SABS IEC 61000-4-12)	
Electromagnetic compatibility (EMC) Part 4-12: Testing and measurement tec	hniques - Ring wave immunity test
Ed 2.00 A4 33p EN	Gr 11
	17.220.20; 33.100.20
Relates to immunity requirements and test methods for electrical and electronic eq oscillatory transients (ring waves) occuring in low-voltage power, control and signal	uipment, under operational conditions, to non-repetitive damped lines supplied by public and non-public networks.
SANS 61000-4-13:2009 / IEC 61000-4-13:2009 Electromagnetic compatibility (EMC) Part 4-13: Testing and measurement teo mains signalling at a c power port low frequency immunity tests	hniques - Harmonics and interharmonics including
Ed 1.01 A4 31p EN	Gr 11
PDF 31p EN	33.100.20
Defines the immunity test methods and range of recommended basic test levels fo A per phase at disturbance frequencies up to and including 2 kHz (for 50 Hz mains interharmonics on low voltage power networks. Am 1(International), 2009-09-11	r electrical and electronic equipment with rated current up to 16) and 2,4 kHz (for 60 Hz mains) for harmonics and
SANS 61000-4-14:2009 / IEC 61000-4-14:2009 Electromagnetic compatibility (EMC) Part 4-14: Testing and measurement tec equipment with input current not exceeding 16 A per phase	hniques - Voltage fluctuation immunity test for
Ed 1.02 A4 18p EN	Gr 8
PDF 18p EN	33.100.20
Considers immunity tests for electrical and/or electronic equipment in their electron considered, including immunity tests for equipment connected to public and indust evaluating the immunity of electric and electronic equipment when subjected to pose Am 1(International), 2003-08-29 Am 2(International), 2009-09-11	nagnetic environment. Only conducted phenomena are rial power supply networks. Aims to establish a reference for sitive and negative low amplitude voltage fluctuations.
SANS 61000-4-16:2011 / IEC 61000-4-16:2011 Electromagnetic compatibility (EMC) Part 4-16: Testing and measurement tec mode disturbances in the frequency range 0 Hz to 150 kHz	hniques - Test for immunity to conducted, common
Ed 1.02 A4 26p EN	Gr 10
Relates to the immunity requirements and test methods for electrical and electronic range d.c. to 150 kHz.	33.100.20 c equipment to conducted, common mode disturbances in the
Am 1(International), 2005-05-12	
SANS 61000-4-17:2009 / IEC 61000-4-17:2009 (SABS IEC 61000-4-17)	brigues. Disals on die innut neuer neut immunity teet
Electromagnetic companying (EWC) Part 4-17: Testing and measurement tec	Gr 8
PDF 16p EN	33.100.20
Defines test methods for immunity to ripple at the d.c. input power port of electrical ports of equipment supplied by external rectifier systems, or batteries which are be Am 1(International), 2002-03-15 Am 2(International), 2009-03-13	or electronic equipment. Is applicable to low-voltage d.c. power ing charged.

electromagnetic (TEM) waveguides	
Ed 2.00 A4 76p EN	Gr 14
PDF 76p EN	33.100.10; 33.100.20
Describes emission and immunity test methods for electrical and electronic equip waveguides. Does not specify tests to be applied to any particular apparatus or sy	ment using various types of transverse electromagnetic (TEM) vstem(s).
SANS 61000-4-24:2006 / IEC 61000-4-24:1997 (2011-03-31) Electromagnetic compatibility (EMC) Part 4: Testing and measurement techn for HEMP conducted disturbance - Basic EMC publication	niques Section 24: Test methods for protective devices
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	33.100; 33.100.20
Deals with methods for testing protective devices for HEMP conducted disturbance	e.
SANS 61000-4-25:2006 / IEC 61000-4-25:2001 (2011-03-18) Electromagnetic compatibility (EMC) Part 4-25: Testing and measurement te and systems	chniques - HEMP immunity test methods for equipment
Ed 1.00 A4 49p EN	Gr 12
PDF 49p EN	33.100.20; 33.100.99
Describes the immunity test levels and related test methods for electrical and electromagnetic pulse (HEMP) environments.	ctronic equipment and systems exposed to high-altitude
SANS 61000-4-27:2009 / IEC 61000-4-27:2009 Electromagnetic compatibility (EMC) Part 4-27: Testing and measurement te input current not exceeding 16 A per phase	chniques - Unbalance, immunity test for equipment with
Ed 1.01 A4 21p EN PDE 21p EN	Gr 9
	33.100.20
phenomena are considered, including immunity tests for equipment (apparatus and system) establish a reference for evaluating the immunity of electrical and electronic equip Am 1(International), 2009-07-17	public and industrial networks. The object of this standard is to ment when subjected to unbalanced power supply voltage.
SANS 61000-4-28:2009 / IEC 61000-4-28:2009 Electromagnetic compatibility (EMC) Part 4-28: Testing and measurement te for equipment with input current not exceeding 16 A per phase	chniques - Variation of power frequency, immunity test
Ed 1.02 A4 16p EN	Gr 8
PDF 16p EN	33.100.20
Considers immunity tests for electric and/or electronic equipment in its electromagincluding immunity tests for equipment connected to public and industrial network evaluating the immunity of electric and electronic equipment when subjected to va Am 1(International), 2005-05-27 Am 2(International), 2009-07-17	gnetic environment. Only conducted phenomena are considered, s. The object of this standard is to establish a reference for riations of the power frequency.
SANS 61000-4-29:2005 / IEC 61000-4-29:2000 (2010-05-07)	
Electromagnetic compatibility (EMC) Part 4-29: Testing and measurement te variations on d.c. input power port immunity tests	chniques - Voltage dips, short interruptions and voltage
Ed 1.00 A4 20p EN	Gr 9
PDF 20p EN	33.100.20
Defines test methods for immunity to voltage dips, short interruptions and voltage equipment. Applicable to low voltage d.c. power ports of equipment supplied by ex	variations at the d.c. input power port of electrical or electronic sternal d.c. networks.
SANS 61000-4-30:2009 / IEC 61000-4-30:2008 Electromagnetic compatibility (EMC) Part 4-30: Testing and measurement te	chniques - Power quality measurement methods
Ed 2.00 A4 63p EN	Gr 14
PDF 63p EN	33.100.99
Defines the methods for measurement and interpretation of results for power qual	ity parameters in 50/60 Hz a.c. power supply systems.
SANS 61000-5-1:2006 / IEC 61000-5-1:1996 (2011-03-31) Electromagnetic compatibility (EMC) Part 5: Installation and mitigation guide publication	elines Section 1: General considerations - Basic EMC
Ed 1.00 A4 32p EN	Gr 11
PDF 32p EN	33.100
Covers general considerations and guidelines on mitigation methods aimed at en- electronic apparatus or systems used in industrial, commercial, and residential ins	suring electromagnetic compatibility (EMC) among electrical and stallations.

Electromagnetic compatibility (EMC) Part 4-20: Testing and measurement techniques - Emission and immunity testing in transverse

SANS 61000-4-20:2010 / IEC 61000-4-20:2010

SANS 61000-5-2:1997 / IEC 61000-5-2:1997 (2011-11-11) (SABS IEC 61000-5-2)

Electromagnetic compatibility (EMC) Part 5: Installation and mitigation guidelines Section 2: Earthing and cabling

Ed 1.00 A4 70p EN PDF 70p EN

29.060.01; 33.100.01

Gr 14

Gr 12

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33.100; 33.100.20

Covers guidelines for the earthing and cabling of electrical and electronic systems and installations aimed at ensuring electromagnetic compatibility (EMC) among electrical and electronic apparatus or systems. Is concerned with earthing practices and with cables used in industrial, commercial, and residential installations.

Am 1(National), 2007-06-01

SANS 61000-5-3:2008 / IEC TR 61000-5-3:1999 (2013-03-01)

Electromagnetic compatibility (EMC) Part 5-3: Installation and mitigation guidelines - HEMP protection concepts

Ed 1.00 A4 43p EN PDF 43p EN

Defines and gives information on protection concepts against electromagnetic pulse due to a high altitude nuclear explosion (HEMP). Provides elements for the design of an adequate protection for civil facilities against HEMP, the evaluation of already existing protections with respect to stresses imposed by HEMP, the comparison of the requirements of HEMP and lightning protection to show if they can be combined at low cost, and to permit an evaluation of the consequences of HEMP when no additional measures are taken beyond existing lightning protection.

SANS 61000-5-4:2008 / IEC/TR 61000-5-4:1996 (2013-03-01)

Electromagnetic compatibility (EMC) Part 5: Installation a	and mitigation guidelines Section 4: Immunity to HEMP - Specifications for			
protective devices against HEMP radiated disturbance - Basic EMC publication				
Ed 1.00 A4 28p EN	Gr 10			

Ed 1.00 A4 28p EN PDF 28p EN

Defines how protective devices for high altitude nuclear electromagnetic pulse (HEMP) protection of civilian systems are specified. Covers protective devices currently used for protection against HEMP radiated EM fields. In general, parameters relevant to HEMP, that is parameters related to very fast changes of EM fields, as a function of time, are dealt with.

SANS 61000-5-5:2008 / IEC 61000-5-5:1996 (2013-03-01)

Electromagnetic compatibility (EMC) Part 5: Installation and mitigation guidelines Section 5: Specification of protective devices for HEMP conducted disturbance - Basic EMC publication

Ed 1.00	A4 38p EN	Gr 11
	PDF 38p EN	33.100.20

Defines how protective devices for conducted disturbance proposed for HEMP protection shall be specified. Intended to be used for the harmonization of existing or future specifications issued by protective device manufacturers, electronic equipment manufacturers, administrations and other ultimate buyers. Covers protective devices currently being used for protection against induced HEMP transients on signal and low voltage power lines (nominal voltage up to 1 kV a.c.).

SANS 61000-6-5:2009 / IEC TS 61000-6-5:2001

Electromagnetic compatibility (EMC) Part 6-5: Generic standards - Immunity for power station and substation environments

Ed 1.00 A4 12p EN PDF 12p EN

Sets immunity requirements for apparatus intended for use by electricity utilities in the generation, transmission and distribution of electricity and related telecommunication systems. The locations covered are the power stations and the substations where apparatus of electricity utilities are installed.

SANS 61000-5-6:2009 / IEC TR 61000-5-6:2002

Electrom	agnetic compatibility (EMC) Part 5-6: Installation and mitigation guid	elines - Mitigation of external EM influences
Ed 1.00	A4 46p EN	Gr 12
	PDF 46p EN	33.100.01

Covers guidelines for the mitigation of external electromagnetic influences impinging upon a facility, aimed at ensuring electromagnetic compatibility (EMC) among electrical and electronic apparatus or systems. Is particularly concerned with the arrangement of shielding and screening against radiated disturbances, and with mitigation of conducted disturbances.

SANS 61000-5-7:2009 / IEC 61000-5-7:2001

Electromagnetic compatibility (EMC) Part 5-7: Installation and mitigation guidelines - Degrees of protection provided by enclosures against electromagnetic disturbances (EM code)

Ed 1.00 A4 27p EN PDF 27p EN

Describes performance requirements, test methods and classification procedure for degrees of protection provided by empty enclosures against electromagnetic disturbances for frequencies between 10 kHz and 40 GHz.

SANS 61000-6-1:2005 / IEC 61000-6-1:2005 (2010-05-14)

product or product-family immunity standard exists.

(SABS IEC 61000-6-1)

Electromagnetic compatibility (EMC) Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments

Ed 2.00 A4 17p EN PDF 17p EN

33.100.20 Applies to electrical and electronic apparatus intended for use in residential, commercial and light-industrial environments for which no dedicated

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Standards South Africa Catalogue 2013

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SANS 61000-6-2:2005 / IEC 61000-6-2:2005 (2010-05-14)	for industrial anvironmente
Electromagnetic compatibility (LMC) Fart 0-2. Generic standards - initiality	
PDF 16p EN	
	55.100.20
Applies to electrical and electronic apparatus intended to be connected to a power dedicated to the supply of an installation feeding manufacturing or similar plant, a both indoor and outdoor. Covers immunity requirements in the frequency range 0	r network supplied from a high or medium voltage transformer nd intended to operate in or in proximity to industrial locations, Hz to 400 GHz.
SANS 61000-6-3:2011 / IEC 61000-6-3:2011 (2011-12-09) (SABS CISPR/IEC 61000-6-3)	
Electromagnetic compatibility (EMC) Part 6-3: Generic standards - Emission environments	standard for residential, commercial and light-industrial
Ed 2.01 A4 22p EN	Gr 9
PDF 22p EN	33.100.10
Applies to electrical and electronic apparatus intended for use in residential, comprequirements in the frequency range 0 Hz to 400 GHz.	nercial and light-industrial environments. Covers emission
Am 1(International), 2011-05-20 IS 1(International), 2011-12-09	
SANS 61000-6-4:2011 / IEC 61000-6-4:2011 (2011-12-09)	
Electromagnetic compatibility (EMC) Part 6-4: Generic standards - Emission	standard for industrial environments
Ed 2.01 A4 19p EN	Gr 9
PDF 19p EN	33.100.10
Applies to electrical and electronic apparatus intended for use in industrial enviror Hz to 400 GHz.	nments. Covers emission requirements in the frequency range 0
Am 1(International), 2011-05-27 IS 1(International), 2011-12-09	
SANS 61000-6-6:2006 / IEC 61000-6-6:2003 (2011-03-31)	
Electromagnetic compatibility (EMC) Part 6-6: Generic standards - HEMP im	munity for indoor equipment
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	33.100.10; 33.100.20
Sets high-altitude electromagnetic pulse (HEMP) immunity requirements for elect	rical and electronic equipment intended for use indoors.
SANS 61008-1:2012 / IEC 61008-1:2012 (SABS IEC 61008-1)	
Residual current operated circuit-breakers without integral overcurrent prot General rules	ection for household and similar uses (RCCBs) Part 1:
Ed 3.01 A4 176p EN	Gr 19
PDF 176p EN	29.120.50
Applies to residual current operated circuit-breakers functionally independent of, or similar uses, not incorporating overcurrent protection (hereafter referred to as RC frequencies of 50 Hz, 60 Hz or 50/60 Hz and rated currents not exceeding 125 A, Am 1(International), 2012-11-30	or functionally dependent on, line voltage, for household and CBs), for rated voltages not exceeding 440 V a.c. with rated intended principally or protection against shock hazard.
SANS 61010 021:0010 / IEC 61010 021:0009	
Safety requirements for electrical equipment for measurement, control and held probe assemblies for electrical measurement and test	aboratory use Part 031: Safety requirements for hand-
Ed 1 01 A4 64n EN	Gr 14
PDF 64p EN	19.080
Applies to four types of hand-held and hand-manipulated probe assemblies, and process, and educational use. These probe assemblies are for use in the interfac equipment. Am 1(National), 2010-06-17	related accessories which are intended for professional, industrial e between an electrical phenomenon and test or measurement
CANC 61010 1/0011 / IEC 61010 1/0010	
(SABS IEC 61010-1)	

Safety requirements for electrical equipment for measurement, control, and laboratory use Part 1: General requirements Gr 19

Ed 3.00 A4 158p EN PDF 158p EN

Specifies general safety requirements for the following types of electrical equipment and their accessories, wherever they are intended to be used, electrical test and measurement equipment, industrial process-control equipment and electrical laboratory equipment.

17.020; 17.220.20

SANS 61010-2-010:2007 / IEC 61010-2-010:2005 (SABS IEC 61010-2-010)

Safety requirements for electrical equipment for measurement, control and laboratory use Part 2-010: Particular requirements for laboratory equipment for the heating of materials

PDF 18p FN

· 2· · · · · · ·		19.000, 71.040.20	
Applies to electrically powered laboratory	equipment for the heating of materials,	where the heating of materials is the only fu	nction or is one of
several functions of the equipment.			

SANS 61010-2-020:2007 / IEC 61010-2-020:2006

(SABS IEC 61010-2-020)

Ed 2.00 A4 18p EN

Safety requirements for electrical equipment for measurement, control and laboratory use Part 2-020: Particular requirements for laboratory centrifuges Ed 2.00 A4 31p EN Gr 11

PDF 31p EN

Applicable to electrically powered laboratory centrifuges.

SANS 61010-2-031:1993 / IEC 61010-2-031:1993

(SABS IEC 61010-2-031)

Safety requirements for electrical equipment for measurement, control, and laboratory use Part 2-031: Particular requirements for hand-held probe assemblies for electrical measurement and test Ed 1.00 A4 25p EN Gr 11

PDF 25p EN

Applies to hand-held and hand-manipulated probe assemblies and related accessories for use in the interface between an electrical phenomenon and a measuring or test instrument. They may be stand-alone probe assemblies or accessories to other equipment.

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SANS 61010-2-032:2003 / IEC 61010-2-032:2002 (2008-12-12)

Safety requirements for electrical equip	ment for measurement, control	, and laboratory use	Part 2-032: Particular requirements for
hand-held and hand-manipulated curre	nt sensors for electrical test and	d measurement	-
Ed 1.00 A4 19p EN		Gr 9	

Lu	1.00	
		PDF 19p EN 19

Applies to three types of hand-held and hand-manipulated current sensors to be used in the measurement of current without physically opening the current path of the circuit being measured. They may be stand-alone current sensors or accessories to other equipment.

SANS 61010-2-081:2005 / IEC 61010-2-081:2001

Safety requirements for electrical equipment for measurement, control and laboratory use Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes Ed 1.00 A4 20p EN Gr 9 PDF 20p EN 71.040.20

Applies to automatic and semi-automatic laboratory equipment for analysis and other purposes. Am 1(International), 2005-06-24

SANS 61010-2-101:2003 / IEC 61010-2-101:2002 (2008-12-12)

Safety requirements for electrical equipment for measurement, control and laboratory use Part 2-101: Particular requirements for in vitro diagnostic (IVD) medical equipment

Ed 1.00	A4 22p EN	Gr 9
	PDF 22p EN	11.040.55; 11.100; 19.080

Applies to equipment intended for in vitro diagnostic (IVD) medical purposes, including self-test IVD medical purposes. IVD medical equipment, whether used alone or in combination, is intended by the manufacturer to be used in vitro for the examination of specimens, including blood and tissue samples, derived from the human body, solely or principally for the purpose of providing information concerning one or more of the following: a physiological or pathological state; or a congenital abnormality; the determination of safety and compatibility with potential recipients; the monitoring of therapeutic measures. Self-test IVD medical equipment is intended by the manufacturer for use by lay persons in a home environment. NOTE If all or part of the equipment falls within the scope of one or more other part 2 standards of IEC 61010 as well as within the scope of this standard, it will also need to meet the requirements of those other part 2 standards.

SANS 61029-1:1990 / IEC 61029-1:1990 (2007-08-31)

(SABS IEC 61029-1)

Safety of transportable motor-operated electric tools Part 1: General requirements

Ed 1.00 A4 98p EN Gr 16 PDF 98p EN 25.140.20

Applies to electric motor-operated or magnetically-driven tools, intended for indoor and for outdoor use, which have all the following characteristics: easily moved by one person, simple devices to facilitate transportation may be incorporated; used in a safe stationary position with or without fixing; used under the control of an operator; not intended for continuous production or production line use; intended to be connected to electric supply by a flexible cord and a plug.

Am 1(National), 2000-02-18

Am 2(National), 2007-08-31

19.080; 71.040.20

Gr 8

10 000. 71 040 20

17.220.20; 19.080

.080: 71.040.20

SANS 61029-2-1:1993 / IEC 61029-2-1: (SABS IEC 61029-2-1)	1993 (2007-03-16) d electric toole Port 2 1: Porticular rom	iromonto for circular courc
Ed 1.00 A4 15p EN	d electric tools Part 2-1: Particular requ	Gr 8
PDF 15p EN		25.140.20
Applies to transportable circular saws int Am 1(National), 1998-05-18 Am 2(National), 2007-03-16	ended for cutting wood and similar materi Am 1(International), 1999-06-25	als with a blade diameter not exceeding 260 mm. Am 2(International), 2001-11-30
SANS 61029-2-2:1993 / IEC 61029-2-2: (SABS IEC 61029-2-2)	1993 (2007-03-16)	
Safety of transportable motor-operate	d electric tools Part 2-2: Particular requ	uirements for radial arm saws
Ed 1.00 A4 13p EN PDF 13p EN		Gr 8 25 080 60: 25 140 20
Applies to the safety of transportable rad Am 1(National), 1998-05-18	lial arm saws intended for cutting wood or Am 2(National), 2007-03-16	similar materials with a blade diameter not exceeding 260 mm.
SANS 61029-2-3:1993 / IEC 61029-2-3: (SABS IEC 61029-2-3)	1993 (2007-03-09)	
Safety of transportable motor-operate	d electric tools Part 2-3: Particular requ	uirements for planers and thicknessers
Ed 1.00 A4 16p EN		Gr 9
Applies to the safety of planers and thick	ressers with a maximum planing transpo	25.080.25; 25.140.20
Am 1(National), 1998-05-18	Am 1(International), 2002-08-23	Am 2(National), 2007-03-09
SANS 61029-2-4:1993 / IEC 61029-2-4: (SABS IEC 61029-2-4)	1993 (2007-06-22)	
Safety of transportable motor-operate	d electric tools Part 2-4: Particular requ	uirements for bench grinders
Ed 1.00 A4 18p EN PDF 18p EN		Gr 10 25.080.50; 25.140.20
Applies to the safety of transportable ber Am 1(National), 1998-05-18	nch grinders with a wheel diameter not exe Am 1(International), 2001-10-12	ceeding 200 mm and a peripheral speed not exceeding 50 m/s. Am 2(National), 2007-06-22
SANS 61029-2-5:1993 / IEC 61029-2-5: (SABS IEC 61029-2-5)	1993 (2008-12-12)	
Safety of transportable motor-operate	d electric tools Part 2-5: Particular requ	uirements for band saws
Ed 1.00 A4 9p EN PDF 9p EN		Gr 6
Applies to the safety of transportable bar	nd saws having a length of the saw band r	not more than 2 500 mm and band wheels having a diameter of
not more than 315 mm. Am 1(National), 1998-05-18	Am 1(International), 2003-10-10	
SANS 61029-2-6:1993 / IEC 61029-2-6:	1993 (2007-03-09)	
Safety of transportable motor-operate	d electric tools Part 2-6: Particular requ	irements for diamond drills with water supply
Ed 1.00 A4 11p EN		Gr 8
Applies to the safety of transportable dia	mond drills with water supply having a cor	25.100.30 re bit diameter of not more than 250 mm.
Am 1(National), 1998-05-18	Am 2(National), 2007-03-09	
SANS 61029-2-7:1993 / IEC 61029-2-7: (SABS IEC 61029-2-7)	1993 (2007-02-16)	
Safety of transportable motor-operate	d electric tools Part 2-7: Particular requ	uirements for diamond saws with water supply
Ed 1.00 A4 11p EN PDF 11p EN		Gr 8 25 100 40: 25 140 20
Applies to the safety of transportable dia Am 1(National), 1998-05-18	mond saws with water supply and with a s Am 2(National), 2007-02-16	saw blade diameter of not more than 250 mm.
SANS 61029-2-8:1995 / IEC 61029-2-8: (SABS IEC 61029-2-8)	1995 (2007-03-16)	
Safety of transportable motor-operate	d electric tools Part 2-8: Particular requ	irements for single spindle vertical moulders
Ed 1.00 A4 29p EN PDF 29p EN		Gr 11 25 120 30: 25 140 20
Applies to transportable single spindle ve	ertical moulders with a maximum outter bl	23.120.00, 23.140.20 ock diameter of 180 mm
Am 1(International), 1999-06-25	Am 2(International), 2001-10-18	Am 1(National), 2007-03-16

SANS 61	029-2-9:1995 / IEC 61029-2-9:1995 (2007-03-16)	
Safety of	f transportable motor-operated electric tools Part 2: Particular require	ements for mitre saws
Ed 1.00	A4 17n FN	Gr 9
24 1100	PDF 17p EN	25.080.60; 25.140.20
Applies t not exce Am 1(Na	o transportable mitre saws intended for cutting non-ferrous metals such as eding 400 mm. tional), 2007-03-16	aluminium, wood and similar materials with a blade diameter
SANS 61 (SABS IE	029-2-10:1998 / IEC 61029-2-10:1998 (2007-02-16) EC 61029-2-10)	
Safety o	t transportable motor-operated electric tools Part 2-10: Particular req	urements for cutting-off grinders
Ed 1.00	A4 19p EN PDE 19p EN	Gr 10
		25.080.01; 25.140.20
Applies t and has Am 1(Na	o cutting-off grinders intended mainly for cutting metal with a plain abrasiv a rated peripheral speed not exceeding 80 m/s. tional), 2007-02-16	e cutting-off wheel whose diameter does not exceed 406 mm
SANS 61 Safety o	029-2-11:2004 / IEC 61029-2-11:2001 (2008-12-12) f transportable motor-operated electric tools Part 2-11: Particular req	uirements for mitre-bench saws
Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	25.140.20
Deals with not exce	th combined mitre-bench saws intended for cutting non-ferrous metals suc eding 350 mm.	h as aluminium, wood or similar materials with a blade diameter
SANS 61 Safety o	029-2-12:2011 / IEC 61029-2-12:2010 f transportable motor-operated electric tools Part 12: Particular requi	rements for threading machines
Ed 1.00	A4 14n FN	Gr 7
24	PDF 14p EN	25.100.50
Applies t	o machines for creating external threads that either rotate the work piece of	or the cutting head.
SANS 61 (SABS IE	034-1:2006 / IEC 61034-1:2005 (2012-06-08) EC 61034-1)	
Measure	ment of smoke density of cables burning under defined conditions P	art 1: Test apparatus
Ed 3.00	A4 16p EN	Gr 8
	PDF 16p EN	29.060.20
Provides condition used as	details of the test apparatus to be used for measuring smoke emission will s, for example, a few cables burnt horizontally. The light transmittance (It) a means of comparing different cables or complying with specific requirem	nen electric or optical fibre cables are burnt under defined under flaming combustion and smouldering conditions can be ents.

SANS 61034-2:2006 / IEC 61034-2:2005 (2012-06-08)

(SABS IEC 61034-2)

Measurement of smoke density of cables burning under defined conditions Part 2: Test procedure and requirements

Ed 3.00 A4 17p EN PDF 17p EN

Provides details of the test procedure for the measurement of the density of smoke emitted from cables burning under defined conditions. Describes the means of preparing and assembling cables for test, the method of burning the cables, and gives recommended requirements for evaluating test results.

SANS 61035-1:1990 / IEC 61035-1:1990 (2007-02-16)

(SABS IEC 61035-1)

Specification for conduit fittings for electrical installations Part 1: General requirements

Ed 1.00 A4 29p EN PDF 29p EN

Specifies requirements for conduit fittings for use with conduits for the protection of conductors and/or cables in electrical installations, and type tests for the quality of joints of conduit fittings to conduit. Applies to conduit fittings used for assembling conduits to conduit boxes. Connecting couplers, bends, reducing couplers, tees, cross-pieces, threaded stoppers and the like are within the scope of this standard. Am 1(National), 2007-02-16

SANS 61035-2-1:1993 / IEC 61035-2-1:1993 (2007-02-16)

(SABS IEC 61035-2-1)

Specification for conduit fittings f	or electrical installations Part 2: Particular specifications Section 1: Metal conduit fittings
Ed 1.00 A4 17p EN	Gr 9

Ed 1.00 A4 17p EN PDF 17p EN

29.120.20

Specifies requirements for metal conduit fittings, for use with circular, threadable or non-threadable conduits complying with IEC 60614-1 (published in South Africa as an identical adoption under the designation SANS 60614-1). Am 1(National), 2007-02-16

Standards South Africa Catalogue 2013

Gr 8 13.220.40; 29.060.20

Gr 11

29.120.10

SANS 61035-2-2:1993 / IEC 61035-2-2:1993 (2007-02-16) (SABS IEC 61035-2-2) Specification for conduit fittings for electrical installations Part 2: Particular specifications Section 2: Conduit fittings of insulating material Ed 1.00 A4 16p EN Gr 9 PDF 16p EN 29,120,99 Specifies requirements for conduit fittings of insulating material, for use with circular conduits complying with IEC 60614-1 (published in South Africa as an identical adoption under the designation SANS 60614-1). Am 1(National), 2007-02-16 SANS 61035-2-3:1993 / IEC 61035-2-3:1993 (2007-02-16) (SABS IEC 61035-2-3) Specification for conduit fittings for electrical installations Part 2: Particular specifications Section 3: Fittings for flexible conduits of metal, insulating or composite materials and for pliable conduits of metal or composite materials Ed 1.00 A4 15p EN Gr 9 PDF 15p EN 29.120.10 Specifies requirements for conduit fittings for use with flexible conduits of metal, insulating or composite materials and with pliable conduits of metal or composite materials. Am 1(National), 2007-02-16 SANS 61035-2-4:1995 / IEC 61035-2-4:1995 (2007-02-16) (SABS IEC 61035-2-4) Specification for conduit fittings for electrical installations Part 2: Particular specifications Section 4: Conduit fittings of aluminium allov Ed 1.00 A4 14p EN Gr 8 PDF 14p EN 29.120.10 Specifies requirements for aluminium alloy conduit fittings, for use with aluminium alloy conduits complying with IEC 60614-2-7 (published in South Africa as an identical adoption under the designation SANS 60614-2-7). Am 1(National), 2007-02-16 SANS 61044:2004 / IEC TR 61044:2002 (2009-04-09) (SABS IEC 61044) Opportunity charging of lead-acid traction batteries Ed 2.00 A4 11p EN Gr 7 PDF 11p EN 29.220.20; 29.280

Covers the opportunity charging of lead-acid batteries, i.e. the use of free time during a working period to top up the charge and thus extend the working day of a battery whilst avoiding excessive discharge. The standard gives basic rules and precautions for the use of opportunity-charging of lead-acid traction batteries of vented and valve-regulated types, when the battery manufacturer has not recommended the required operating procedures.

SANS 61047:2005 / IEC 61047:2004 (2011-12-15)

(SABS IEC 61047)

DC or AC supplied electronic step-down convertors for filament lamps - Performance requirements

Ed 2.00 A4 19p EN PDF 19p EN

Specifies performance requirements for electronic step-down convertors for use on d.c. supplies up to 250 V and a.c. supplies up to 1 000 V at 50 Hz or 60 Hz with operating frequencies deviating from the supply frequency, associated with tungsten halogen lamps as specified in SANS 60357 and other filament lamps.

Gr 9

29.140.20

29.140.30

SANS 61048:2006 / IEC 61048:2006 (2011-12-01)

(SABS IEC 61048)

Auxiliaries for lamps - Capacitors for use in tubular fluorescent and other discharge lamp circuits - General and safety requirements Ed 2.00 A4 37p EN Gr 11

PDF 37p EN

States the requirements for both self-healing and non-selfhealing continuously rated a.c. capacitors of up to and including 2,5 kVAr, and not less than 0,1 μ F, having a rated voltage not exceeding 1 000 V, which are intended for use in discharge lamp circuits operating at 50 Hz or 60 Hz and at altitudes up to 3 000 m.

SANS 61049:1991 / IEC 61049:1991 (2012-02-10)

(SABS IEC 61049)

Capacitors for use in tubular fluorescent and oth	er discharge lamp circuits	- Performance requirements
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 Ed 1.00
 A4 16p EN
 Gr 8

 PDF 16p EN
 29.140.30

States the performance requirements for both self-healing and non-self-healing continuously rated a.c. capacitors of up to and including 2,5 kvar, and not less than 0,1 μ F, having a rated voltage not exceeding 1 000 V, which are intended for use in discharge lamp circuits operating at 50 Hz or 60 Hz and at altitudes up to 3 000 m.

Am 1(National), 1997-01-13

Cor 1(International), 2000-08-01

Am 2(National), 2007-02-09

Standards South Africa Catalogue 2013 NUM - 802

NUMERICAL LIST OF STANDARDS

SANS 61056-1:2013 / IEC 61056-1:2012

General purpose lead-acid batteries (valve-regulated types) Part 1: General requirements, functional characteristics - Methods of test Ed 2.00 A4 21p EN Gr 9 PDF 21p EN 29.220.20

Specifies the general requirements, functional characteristics and methods of test for all general purpose lead-acid cells and batteries of the valveregulated type: for either cyclic or float charge application; in portable equipment, for instance, incorporated in tools, toys, or in static emergency, or uninterruptible power supply and general power supplies.

SANS 61056-2:2003 / IEC 61056-2:2002 (2009-04-09)

General purpose lead-acid batteries (valve-regulated types) Part 2: Dimensions, terminals and marking

Ed 1.00 A4 12p EN PDF 12p EN

Specifies the dimensions, terminals and marking for all general purpose lead-acid cells and batteries of the valve regulated type for either cyclic or float charge application; in portable equipment, e.g., incorporated in tools, toys, or in static emergency, or uninterruptible power supply and general power supplies. The cells of this kind of lead-acid battery may either have flat-plate electrodes in prismatic containers or have spirally wound pairs of electrodes in cylindrical containers. The sulphuric acid in these cells is immobilized between the electrodes either by absorption in a microporous structure or in a gelled form. Defines the dimensions of the batteries in length, height and width as well as the shapes of the terminals. The leadacid cells and batteries described should be tested in accordance with SANS 61056-1/IEC 61056-1.

SANS 61056-3:2003 / IEC 61056-3:1991 (2009-04-09)

Portable lead-acid cells and batteries (valve-regulated types) Part 3: Safety recommendations for use in electric appliances

Ed 1.0	0 A4 \$	5p EN	
	PDF	F 5p EN	

Applicable to lead-acid cells and batteries of valve-regulated type for cyclic application e.g. portable equipment, tools, toys, etc. Object is to set rules for the accommodation of batteries as defined above in electric appliances, addressed mainly to the engineer designing such appliances; and to set minimum requirements concerning the range of safety-information passed on to the (unskilled) user; in order to prevent danger or damage to persons and/or material.

SANS 61057:2009 / IEC 61057:1991

Aerial devices with insulating boom used for live working

Ed 1.00	A4 75p EN	Gr 14
	PDF 75p EN	13.260; 53.020.99

Applicable to aerial devices (mobile elevating work platforms (MEWP)), with or without the possibility of an additional jib, as a minimum with an insulating upper boom (extending structure), used for live working on the nominal voltage, which is between 1 kV r.m.s. and 800 kV r.m.s., at power frequency.

Cor 1(International), 2009-07-24

SANS 61058-1:2009 / IEC 61058-1:2008

(SABS IEC 61058-1)

Switches for appliances Part 1: General requirements

Ed 3.02	A4 164p EN			Gr 18
	PDF 164p EN			29.120.40
A		الحجر والمراجع	less for each on less state on lessons and	

Applies to switches for appliances actuated by hand, by foot or by other human activity, to operate or control electrical appliances and other equipment for household and similar purposes with a rated voltage not exceeding 480 V and a rated current not exceeding 63 A. Am 1(International), 2002-10-09 Am 1(National), 2008-01-18 Cor 1(International), 2009-06-12

Am 2(International), 2009-06-12

SANS 61058-2-1:2011 / IEC 61058-2-1:2010

(SABS IEC 61058-2-1)

Switches for appliances Part 2-1: Particular requirements for cord switches

Ed 2.00	A4 24p EN	Gr 10
	PDF 24p EN	29.120.40

Applies to cord switches (mechanical or electronic) for appliances actuated by hand, by foot or by other human activity, to operate or control electrical appliances and other equipment for household or similar purposes with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A.

SANS 61058-2-4:2004 / IEC 61058-2-4:2003 (2009-06-26)

(SABS IEC 61058-2-4)

Switches for appliances Part 2-4: Particular requirements for independently mounted switches

Ed 1.01	A4 24p EN	Gr 10
	PDF 24p EN	29.120.40

Applies to independently mounted switches for appliances (electronic or mechanical) actuated by hand, by foot or by other human activity for use with appliances and other equipment for household and similar purposes, with a rated voltage not exceeding 480 V and a rated current not exceeding 63 A

Am 1(International), 2004-10-08

Gr 5 29.220.20

Gr 7

29.220.20

electors
Gr 7 29.120.40
ed by hand, by foot or by other human activity, to operate or es with a rated voltage not exceeding 480 V and a rated current
plices and fusion splice protectors for optical fibres and
Gr 9 33 180 20
tions) for optical fibres and cables.
al requirements
Gr 12
29.120.10
the accommodation, and where necessary for the segregation, of ions. Am 2(National), 2000-08-25
ular requirements Section 1: Cable trunking and ducting Gr 7 29.120.10; 91.140.50
ting on walls or ceilings. The cable trunking and ducting systems other electrical equipment.
icular requirements - Cable trunking systems and cable
Gr 10
29.120.10
ended for the accommodation, and where necessary for the lectrical installations. Applies to cable trunking systems and cable ned floor, including their system components.
Gr 13 29.240.20
ay, overhead, electrical and stranded conductors made of C 60889, aluminium alloy type B as per IEC 60104, aluminium gh strength steel and aluminium-clad steel wires as per IEC
icrophones
Gr 8 17.140.50; 33.160.50

Specifies mechanical dimensions and certain electroacoustic characteristics for condenser microphones used as laboratory standards for the realization of the unit of sound pressure and for sound pressure measurements of the highest attainable accuracy. Intends to ensure that primary calibration by the reciprocity method can be readily carried out.

SANS 61094-2:2009 / IEC 61094-2:2009 Electroacoustics - Measurement microphones Part 2: Primary method for pressure calibration of laboratory standard microphones by

the reciprocity technique Ed 1.00 A4 43p EN

PDF 43p EN

Specifies a primary method of determining the complex pressure sensitivity so as to establish a reproducible and accurate basis for the measurement of sound pressure.

SANS 61094-3:2009 / IEC 61094-3:1995 Measurement microphones Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity

technique Ed 1.00 A4 19p EN Gr 9 PDF 19p EN 17.140.50; 33.160.50

Specifies a primary method of determining the free-field sensitivity so as to establish a reproducible and accurate basis for the measurement of sound pressure under free-field conditions.

SANS 61094-4:2009 / IEC 61094-4:1995

Measurement microphones Part 4: Specifications for working standard microphones Ed 1.00 A4 13p EN Gr 7 PDF 13p EN 17.140.50; 33.160.50

Specifies mechanical dimensions and certain electroacoustical characteristics for working standard microphones used in measuring systems for the determination of sound pressure to enable these microphones to be used as transfer standards in the calibration of acoustic measurement instruments.

SANS 61094-5:2009 / IEC 61094-5:2001

Measurement microphones Part 5: Methods for pressure calibration of working standard microphones by comparison

Ed 1.00 A4 19p EN PDF 19p EN

Describes methods of determining the pressure sensitivity by comparison with either a laboratory standard microphone that has been calibrated according to IEC 61094-2, or another working standard microphone that has been calibrated according to IEC 61094-5 (both IEC 61094-2 and IEC 61094-5 are published in South Africa as identical adoptions under the designations SANS 61094-2 and SANS 61094-5).

SANS 61094-6:2009 / IEC 61094-6:2004

Measurement microphones Part 6: Electrostatic ac	tuators for determination of frequency response
Ed 1.00 A4 28p EN	Gr 10

Gives guidelines for the design of actuators for microphones equipped with electrically conductive diaphragms. Gives methods for the validation of electrostatic actuators and gives a method for determining the electrostatic actuator response of a microphone.

SANS 61109:2008 / IEC 61109:2008

PDF 28p EN

(SABS IEC 61109)

Insulators for overhead lines - Composite suspension and tension insulators for a.c. systems with a nominal voltage greater than 1 000 V - Definitions, test methods and acceptance criteria

Ed 2.00	A4 30p EN	G	ir 10
	PDF 30p EN	29	9.080.10

Applies to composite suspension/tension insulators consisting of a load-bearing cylindrical insulating solid core consisting of fibres - usually glass in a resin-based matrix, a housing (outside the insulating core) made of polymeric material and end fittings permanently attached to the insulating core.

SANS 61117:2006 / IEC 61117:1992 (2011-12-01)

A method for assessing the short-circuit withstand strength of partially type-tested assemblies (PTTA)

Ed 1.00	A4 8p EN	Gr 6
	PDF 8p EN	29.130.01

Describes an extrapolation method for assessing the short-circuit withstand strength of partially type-tested assemblies(PTTA).

SANS 61121:2010 / IEC 61121:2005

Tumble dryers for household use - Methods for measuring the performance	
Ed 1.01 A4 31p EN	Gr 11

Ea 1.01	A4 3 ID EN				Grii
	PDF 31p EN				97.060
Annlingh	le te heveeheld elee	tria tumbla drugra	of the outomotio	and non out	motio turno un

Applicable to household electric tumble dryers of the automatic and non-automatic type, with or without a cold water supply and incorporating a heating device.

Am 1(International), 2010-04-23

Cor 1(International), 2010-04-23 Cor 2(International), 2010-04-23

Gr 9 17,140,50:33,160,50

17.140.50; 33.160.50

Gr 12 17.140.50; 33.160.50

Gr 12

29.200

13.260; 29.020; 91.140.50

SANS 61140:2012 / IEC 61140:2009

Protection against electric shock - Common aspects for installation and equipment

Ed 1.01 A4 45p EN PDF 45p FN

Applies to the protection of persons and animals against electric shock. Intended to give fundamental principles and requirements which are common to electrical installations, systems and equipment or necessary for their co-ordination. Am 1(International), 2012-12-07

SANS 61148:2005 / IEC 61148:1992 (2011-03-18)

Terminal markings for valve device stacks and assemblies and for power convertor equipment Ed 1.00 A4 18p EN Gr 8 PDF 18p EN

Applicable to the terminal markings for the main circuits of valve device stacks and assemblies, and of factory-assembled integrated convertor equipment.

Cor 1(International), 2005-09-23

SANS 61156-1:2009 / IEC 61156-1:2009

Multicore and symmetrical pair/quad cables for digital communications Part 1: Generic specification Ed 2.01 A4 50p EN Gr 12 PDF 50p EN 33.120.20

cables are intended to operate with voltages and currents normally adopted for communication systems.

Applicable to communication systems such as ISDN. local area networks and data communication systems and specifies the definitions. requirements and test methods of multicore, symmetrical pair and quad cables. Also applicable to cables used for customer premises wiring. Am 1(International), 2009-11-27

SANS 61156-2:2007 / IEC 61156-2:2003

Multicore and symmetrical pair/quad cables for digital communications Part 2: Horizontal floor wiring - Sectional specification Ed 2.00 A4 19p EN Gr 9

PDF 19p EN

Covers individually screened and unscreened pairs or quads in cables having less than 20 pairs/10 quads for horizontal floor wiring. Cables may be provided with a common screen over the cable core. The cables are intended to operate with voltages and currents normally adopted for communication systems.

SANS 61156-3:2009 / IEC 61156-3:2008

municore	e and symmetrical pair/quad cables for digital communications Part	5: work area cable - Sectional specification
Ed 3.00	A4 15p EN	Gr 8
	PDF 15p EN	33.120.10
Covers in	ndividually unscreened pairs in cables for work area wiring. Cables may be	e provided with a common screen over the cable core. The

SANS 61184:2012 / IEC 61184:2011

(SABS	IEC	611	84)
00,000	100	01	107)

Bavonet lampholders

Ed 3.01 A4 66p EN PDF 66p EN

Applies to bayonet lampholders B15d and B22d for connection of lamps and semi-luminaires to a supply voltage of 250 V. Cor 1(International), 2009-03-27 Am 1(International), 2012-03-02

SANS 61195:1999 / IEC 61195:1999 (2008-12-12) (SABS IEC 61195) Double-capped fluorescent lamps - Safety specifications Ed 2.00 A4 24p EN PDF 24p EN

Specifies the safety requirements for double-capped fluorescent lamps for general lighting purposes of all groups having Fa6, Fa8, G5, G13, 2G13, R17d and W4.3x8.5d caps. Also specifies the method a manufacturer should use to show compliance with the requirements of this standard and can also be applied for certification purposes. Cor 1(International), 2003-09-12

SANS 61199:2013 / IEC 61199:2012 (SABS IEC 61199)

Single-ca	apped fluorescent lamps - Safety specifications	

Ed 3.01 A4 45p EN Gr 12 PDF 45p EN 29.140.30

Specifies the safety requirements for single-capped fluorescent lamps for general lighting purposes of all groups having 2G7, 2GX7, 2G8, GR8, G10q, GR10q, GU10q, GX10Q, GY10q, GZ10Q, 2G10, 2G11, 2GX11-1, 2GX13, G23, GX23, G24, GX24, GZ24Q and GX32 caps. Am 1(International), 2013-03-15

33,120,10

Gr 14

29.140.10

Gr 10

29.140.30

SANS 61204:2007 / IEC 61204:2001 (2013-02-08) (SABS IEC 61204)	
Low-voltage power supply devices, d.c. output - Performance characteristics	3
Ed 1.01 A4 27p EN	Gr 10
PDF 27p EN	29.160.40
Describes a method for specifying requirements for low-voltage power supply devi V d.c. at a power level of up to 30 kW, operating from a.c. or d.c. source voltages Am 1(International), 2007-11-02	ces (including switching types) providing d.c. output(s) up to 200 of up to 600 V.
SANS 61204-3:2012 / IEC 61204-3:2011 (SABS IEC 61204-3)	
Low-voltage power supplies, d.c. output Part 3: Electromagnetic compatibility	ty (EMC)
Ed 2.00 A4 40p EN	Gr 11
PDF 40p EN	29.200; 33.100.01
Specifies electromagnetic compatibility (EMC) requirements for power supply units output(s), operating from a.c. or d.c. source voltages up to 600 V a.c. or 1 000 V d	s (PSUs) providing d.c. output(s) with or without auxiliary a.c. l.c.
SANS 61204-6:2000 / IEC 61204-6:2000 (2013-02-08) (SABS IEC 61204-6)	
Low-voltage power supplies, d.c. output Part 6: Requirements for low-voltag	e power supplies of assessed performance
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	29.200
Applies to power supplies for general purpose applications. The power supplies ca Applies to all d.c. or a.c. source voltages with a rated value of up to 600 V. Am 1(National), 2007-11-02	arry out an a.c. to d.c. conversion or a d.c. to d.c. conversion.
SANS 61204-7:2008 / IEC 61204-7:2006	
Ed 1 00. A4 167p EN	Cr 19
PDF 167p EN	20 200
Specifies safety requirements for power supply units providing d.c. output(s) with a source voltages up to 600 V a.c. or 1 000 V d.c.	or without auxiliary a.c. output(s) operating from a.c. or d.c.
SANS 61211:2005 / IEC 61211:2004 (2009-08-28) (SABS IEC 61211)	
Insulators of ceramic material or glass for overhead lines with a nominal vol- air	tage greater than 1 000 V - Impulse puncture testing in
Ed 2.00 A4 18p EN	Gr 8
PDF 18p EN	29.080.10
Covers impulse puncture testing in air of ceramic and glass insulator units of class long rod insulators	B cap and pin, pin type (including pin-past type) and class B
SANS 61230:2009 / IEC 61230:2008 (SABS IEC 61230)	
Live working - Portable equipment for earthing or earthing and short-circuiti	ng
Ed 2.00 A4 64p EN	Gr 14
PDF 64p EN	13.260; 29.260.99
Applicable to portable equipment, with or without matching connection points, for isolated or de-energized a.c. and d.c. installations, distribution and transmission ne high voltage.	temporary earthing or earthing and short-circuiting of electrically etworks, whether they are overhead or underground or of low or

SANS 61238-1:2003 / IEC 61238-1:2003

(SABS IEC 61238-1)

Compression and mechanical connectors for power cables for rated voltages up to 30 kV (Um = 36 kV) Part 1: Test methods and requirements Ed 2.00 A4 58p EN Gr 13

Ed 2.00 A4 58p EN PDF 58p EN

This part of IEC 61238 applies to compression and mechanical connectors for power cables for rated voltage up to 30 kV (Um = 36 kV), having cross-sectional areas 10 mm2 and greater for copper and 16 mm2 and greater for aluminium, and maximum conductor temperature of 90 degrees C.

29.120.20

PDF 51p EN 29.260.20 Specifies general requirements for the design, construction, testing and marking of electrical apparatus protected by any recognized safeguard technique for use in areas where combustible dust may be present in quantities that could lead to a fire or explosion hazard. The application of electrical apparatus in atmospheres which may contain explosive gas as well as combustible dust, whether simultaneously or separately, requires additional protective measures. Cor 1(International), 2011-07-15 SANS 61241-2-1:1994 / IEC 61241-2-1:1994 (2012-11-23) (SABS IEC 61241-2-1) Electrical apparatus for use in the presence of combustible dust Part 2: Test methods Section 1: Methods for determining the minimum ignition temperatures of dust Ed 1.00 A4 32p EN Gr 11 PDF 32p EN 17.200.10; 29.260.20 Specifies 2 test methods for determining the minimum ignition temperatures of dust. Am 1(National), 2006-10-06 SANS 61241-2-2:1993 / IEC 61241-2-2:1993 (2012-11-23) (SABS IEC 61241-2-2) Electrical apparatus for use in the presence of combustible dust Part 2: Test methods Section 2: Method for determining the electrical resistivity of dust in layers Ed 1.00 A4 10p EN Gr 6 PDF 10p EN 29.260.20 Specifies a method of test to determine, by application of a d.c. voltage, the electrical resistivity of a layer of dust. Intended to be used in the design, construction, testing, and application of electrical apparatus for use in the presence of combustible dust. Cor 1(International), 1994-08-22 Am 1(National), 2006-11-17 SANS 61241-2-3:1994 / IEC 61241-2-3:1994 (2012-11-09) (SABS IEC 61241-2-3) Electrical apparatus for use in the presence of combustible dust Part 2: Test methods Section 3: Method for determining minimum ignition energy of dust/air mixtures Ed 1.00 A4 21p EN Gr 9 PDF 21p EN 29 260 20 Specifies a method of test to determine the minimum ignition energy of a dust/air mixture by an electrically generated high-voltage d.c. spark. Is intended to develop data to be used in deciding whether or not combustible dust/air mixtures are considered to be ignitable with respect to electrical discharge. Am 1(National), 2006-11-17 SANS 61241-4:2001 / IEC 61241-4:2001 (2012-11-23) (SABS IEC 61241-4) Electrical apparatus for use in the presence of combustible dust Part 4: Type of protection "pD" Ed 1.00 A4 25p EN Gr 10 PDF 25p EN 29.260.20 Gives requirements on the design, construction, testing and marking of electrical apparatus for use in combustible dust atmospheres in which a protective gas (air or inert gas), maintained at a pressure above that of the external atmosphere, is used to prevent the entry of dust which might otherwise lead to the formation of a combustible mixture within enclosures which do not contain a source of combustible dust. Am 1(National), 2007-03-30 SANS 61241-11:2007 / IEC 61241-11:2005 (2011-07-15) Electrical apparatus for use in the presence of combustible dust Part 11: Protection by intrinsic safety "iD" Ed 1.00 A4 20p EN Gr 9 PDF 20p EN 29.260.20 Specifies requirements for the construction and testing of intrinsically safe apparatus intended for use in potentially explosive dust cloud or dust layer environments and for associated apparatus that is intended for connection to intrinsically safe circuits which enter such environments. Cor 1(International), 2011-07-15 SANS 61243-1:2010 / IEC 61243-1:2009 (SABS IEC 61243-1) Live working - Voltage detectors Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c. Ed 2.01 A4 63p EN Gr 14 PDF 63p EN 29 260 99 Applicable to portable voltage detectors, with or without built-in power sources, to be used on electrical systems for voltages of 1 kV to 765 kV a.c., and frequencies of 50 Hz and/or 60 Hz. Applies only to capacitive voltage detectors used in contact with the part to be tested, as a complete device including its insulating element or as a separate device, adaptable to an insulating stick which, as a separate tool, is not covered by this standard. Cor 1(International), 2007-08-31 Am 1(International), 2010-03-26

Standards South Africa Catalogue 2013 NUM - 807

NUMERICAL LIST OF STANDARDS

Gr 13

SANS 61241-0:2005 / IEC 61241-0:2004 (2011-07-15)

Ed 1.00 A4 51p EN

Electrical apparatus for use in the presence of combustible dust Part 0: General requirements

SANS 61243-2:2003 / IEC 61243-2:2003 (SABS IEC 61243-2) Live working - Voltage detectors Part Ed 1.02 A4 51p EN PDF 51p EN	2 (2008-11-28) 2: Resistive type to be used for voltag	es of 1 kV to 36 kV a.c. Gr 13 29.260.99
Is applicable to portable voltage detector and frequencies from 15 Hz to 60 Hz. Ap separate device completed by an adapta Am 1(International), 2000-01-20 Cor 3(International), 2000-08-01	rs with or without a built-in power source to oplies only to resistive voltage detectors u able insulating pole covered in IEC 60855 Cor 1(International), 2000-01-20 Am 1(National), 2001-10-18	to be used on electrical systems for voltages of 1 kV to 36 kV a.c., used in contact with the part to be tested, as a single unit or as a or IEC 61235. Cor 2(International), 2000-01-20 Am 2(International), 2003-08-08
SANS 61243-3:2011 / IEC 61243-3:2009 (SABS IEC 61243-3) Live working - Voltage detectors Part Ed 2.00 A4 70p EN PDF 70p EN Applicable to hand-held two-pole voltage electrical systems	9 3: Two-pole low-voltage type e detectors with accessories (crocodile cli	Gr 14 29.260.99 ps and detachable leads) to be used in contact with parts of
SANS 61243-5:1997 / IEC 61243-5:1997 (SABS IEC 61243-5) Live working - Voltage detectors Part Ed 1.00 A4 57p EN PDF 57p EN Applies to voltage detecting systems that absence of operating voltage on a.c. ele applicable to phase comparators designed Am 1(National), 2001-10-18	7 (2013-02-22) 5: Voltage detecting systems (VDS) t are single-pole and are capacitively cou ctrical systems for voltages from 1 kV to ed for voltage detecting systems. Am 2(National), 2007-09-14	Gr 13 29.260.99 Ipled to live parts. They are used to detect the presence or 52 kV, and for frequencies from 16 2/3 Hz to 60 Hz. Also
SANS 61260:2009 / IEC 61260:1995 Electro-acoustics - Octave-band and f Ed 1.00 A4 31p EN PDF 31p EN	ractional-octave-band filters	Gr 11 17.140.50
filters that comprise a filter set or spectru Am 1(International), 2009-12-11	im analyser.	analogue, sampled-data, and digital implementations of bandpass
SANS 61280-1-3:1998 / IEC 61280-1-3: (SABS IEC 61280-1-3) Fibre optic communication subsystem	1998 (2007-09-07) n basic test procedures Part 1-3: Test	procedures for general communication subsystems -
Ed 1.00 A4 18p EN PDF 18p EN	n measurement	Gr 9 33.180.01
Measures several wavelength and spect Measurement is done for the purpose of Requirements in IEC 60825-1 should be Am 1(National), 2007-09-07	ral width properties of an optical spectrur system construction and/or maintenance followed.	n associated with a fibre optic communication subsystem. e. The optical transmitter is typically under modulation.
SANS 61280-2-1:1998 / IEC 61280-2-1: (SABS IEC 61280-2-1) Fibre optic communication subsystem overload measurement	1998 (2013-02-08) n basic test procedures Part 2-1: Test	procedures for digital systems - Receiver sensitivity and
Ed 1.00 A4 14p EN PDF 14p EN		Gr 7 33.180.01
Specifies a test procedure applicable to powers required and allowed at the input that the guaranteed error performance is manufacturer. Am 1(National), 2007-09-07	digital fibre optic communication systems t of a single-mode fibre optic system rece s obtained at the minimum and the maxim	S. One object is to measure the minimum and maximum optical iver connector to operate at specified BERs. Another is to verify num optical input powers specified by the terminal equipment
SANS 61280-2-2:2009 / IEC 61280-2-2: (SABS IEC 61280-2-2) Fibre optic communication subsystem	2008 n test procedures Part 2-2: Digital syst	ems - Optical eye pattern, waveform and extinction ratio
measurement Ed 3.00 A4 28p EN PDF 28p EN		Gr 10 33.180.01
Describes a test procedure to measure t	he eye pattern and waveform parameters	s such as rise time, fall time, overshoot, and extinction ratio.

SANS 61281-1:1999 / IEC 61281-1:1999 (2013-02-01) (SABS IEC 61281-1) Fibre optic communication subsystems Part 1: Generic specification Ed 1.00 A4 36p EN Gr 11 PDF 36p EN 33,180.01 Covers fibre optic communication subsystems (FOCSs), and is structured according to the IEC Quality Assessment System (IECQ). Am 1(National), 2007-09-07 SANS 61282-1:2000 / IEC/TR 61282-1:2000 (2013-01-18) (SABS IEC TR 61282-1) Fibre optic communication system design guides Part 1: Single-mode digital and analogue systems Ed 1.00 A4 33p EN Gr 11 PDF 33p EN 33.180.01 Provides system design methodology guidance to users and suppliers of fibre optic transmission systems for telecommunications and broadband video distribution applications. The function of the fibre optic systems is to interconnect signals between defined digital and analogue interfaces via a fibre optic link. These systems are built-up from basic fibre optic systems (BFOS). Therefore, it is necessary to consider only the BFOS, which transmits a single electrical signal between two points without intermediate regeneration. These guidelines are applicable to almost all design cases Am 1(National), 2007-09-21 SANS 61282-3:2007 / IEC TR 61282-3:2006 (2013-02-22) Fibre optic communication system design guides Part 3: Calculation of link polarization mode dispersion Ed 2.00 A4 36p EN Gr 11 PDF 36p EN 33.180.01 Provides guidelines for the calculation of polarization mode dispersion (PMD) in fibre optic systems to accommodate the statistical variation of PMD and differential group delay (DGD) in optical fibre cables and components. SANS 61282-5:2003 / IEC/TR 61282-5:2002 (2009-03-27) Fibre optic communication system design guides Part 5: Accommodation and compensation of dispersion Ed 1.00 A4 20p EN Gr 9 PDF 20p EN 33.180.01 Applies to the common odation and compensation of dispersion in fibre optic communication systems. SANS 61284:1997 / IEC 61284:1997 (2009-03-13) (SABS IEC 61284) Overhead lines - Requirements and tests for fittings Ed 1.00 A4 69p EN Gr 15 PDF 69p EN 29,240,20 Applies to fittings for overhead lines of nominal voltage above 45 kV. May also be applied to fittings for overhead lines of lower nominal voltage and to similar fittings for substations. Am 1(National), 2000-04-07 Cor 1(International), 2000-08-01 Am 2(National), 2009-03-13 SANS 61290-3:2009 / IEC 61290-3:2008 **Optical amplifiers - Test methods Part 3: Noise figure parameters** Ed 2.00 A4 12p EN Gr 7 PDF 12p EN 33.180.30 Applies to all commercially available optical amplifiers (OAs), including OAs using optically pumped fibres, semiconductor optical amplifiers (SOAs) and planar waveguide optical amplifiers (PWOAs). The object of this standard is to provide the general background for OA noise figure parameters measurements and to indicate those IEC standard test methods for accurate and reliable measurements of the OA parameters, as defined in SANS 61291-1. This standard addresses measurement of OAs that are to be used for amplifying single channels, that is signals from a single transmitter. SANS 61290-5-1:2007 / IEC 61290-5-1:2006 (2013-01-18) Optical amplifiers - Test methods Part 5-1: Reflectance parameters - Optical spectrum analyzer method Ed 2.00 A4 13p EN Gr 7 PDF 13p EN 33.180.30 Applies to all commercially available optical amplifiers and optically amplified sub-systems. Establishes uniform requirements for accurate and reliable measurements by means of the optical spectrum analyzer test method. SANS 61291-1:2007 / IEC 61291-1:2006 (2013-02-22) **Optical amplifiers Part 1: Generic specification** Ed 1.00 A4 29p EN Gr 10 PDF 29p EN 33.180.30

NUMERICAL LIST OF STANDARDS

Applies to all commercially available optical amplifiers (OAs) and optically amplified assemblies. Applies to OAs that use optically pumped fibres (OFAs based either on rare-earth doped fibres or on the Raman effect), semiconductors (SOAs), and waveguides (POWAs).

SANS 61291-2:2007 / IEC 61291-2:2007 (2013-02-22) (SABS IEC 61291-2)	
Optical amplifiers Part 2: Digital applications - Performance specification terr	iplate
Ed 2.00 A4 13p EN	Gr 7
PDF 13p EN	33.180.30
Provides a frame for the preparation of detail specifications on the performance of	optical amplifier devices to be used in digital applications.
SANS 61300-2-40:2000 / IEC 61300-2-40:2000 (2013-03-01) (SABS IEC 61300-2-40)	
Fibre optic interconnecting devices and passive components - Basic test and testing of attenuation of single-mode tuned angled optical connectors	I measurement procedures Part 2-40: Tests - Screen
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	33.180.20
Describes the test for screening single-mode tuned connectors against tuning error equipped with a tuning mechanism. Am 1(National), 2007-09-21	rs. Applies to single-mode angled connectors which are
SANS 61300-3-6:2004 / IEC 61300-3-6:2003 (2009-03-27) (SABS IEC 61300-3-6)	
Fibre optic interconnecting devices and passive components - Basic test and measurements - Return loss	I measurement procedures Part 3-6: Examinations and
Ed 2.00 A4 25p EN	Gr 10
PDF 25p EN	33.180.20
Provides procedures for the measurement of the return loss (RL) of the fibre optic standard, is the ratio of the power incident on, or entering, the DUT to the total pow positive number.	device under test (DUT). Return loss (RL), as used in this ver reflected by the DUT, expressed in decibels. Return loss is a
SANS 61300-3-34:2009 / IEC 61300-3-34:2009 (SABS IEC 61300-3-34)	
Fibre optic interconnecting devices and passive components - Basic test and measurements - Attenuation of random mated connectors	I measurement procedures Part 3-34: Examinations and
Ed 3.00 A4 14p EN	Gr 7
PDF 14p EN	33.180.20
Describes the procedure required to measure the statistical distribution and mean context, can also be referred to as insertion loss.	attenuation for random mated optical connectors which, in this
SANS 61300-3-39:1997 / IEC 61300-3-39:1997 (2013-03-01) (SABS IEC 61300-3-39)	
Fibre optic interconnecting devices and passive components - Basic test and measurements - PC optical connector reference plug selection	I measurement procedures Part 3-39: Examinations and
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	33.180.20
Selects physical contact (PC) optical connector plugs to be used as the reference acceptance return loss value RLa to be used in plug acceptance testing. Is used to randomly mated together.	olug in the return loss RL measurement, and defines an guarantee a certain return loss value RL when two plugs are
SANS 61315:2006 / IEC 61315:2005 (2011-02-24) Calibration of fibre-optic power meters	
Ed 1.00 A4 44p EN	Gr 12
ר טר 44µ בוז	33.140; 33.180.01
Applicable to instruments measuring radiant power emitted from sources which are sources include laser diodes, light emitting diodes (LEDs) and fibre-type sources.	e typical for the fibre-optic communications industry. These The radiation may be divergent or collimated.
SANS 61326:2003 / IEC 61326:2002 (2009-03-13)	

Electrical equipment for measurement, control and laboratory use - EMC requirements

Ed 1.00	A4 40p EN	Gr 11
	PDF 40p EN	25.040.40

Specifies minimum requirements for immunity and emissions regarding electromagnetic compatibility (EMC) for electrical equipment, operating from a supply of less than 1 000 V a.c. or 1 500 V d.c. or from the circuit being measured, intended for professional, industrial-process and educational use, including equipment and computing devices for measurement and test; control; laboratory use; accessories intended for use with the above (such as sample handling equipment), intended to be used in industrial and non-industrial locations. **Cor 1(International), 2003-05-09**

Standards South Africa Catalogue 2013 NUM - 811

Specifies general and safety requirements for lamp controlgear for use on d.c. supplies up to 250 V and/or a.c. supplies up to 1 000 V at 50 Hz or

Specifies requirements for immunity and emissions regarding electromagnetic compatibility (EMC) for electrical equipment, operating from a supply or battery of less than 1 000 V a.c. or 1 500 V d.c. or from the circuit being measured, intended for professional, industrial-process, industrial-manufacturing and educational use. In addition, it treats the particular features for EMC testing of field devices with interfaces according to IEC 61784-1, CP 3/2; covers only the field-bus interface of the equipment. SANS 61347-1:2012 / IEC 61347-1:2010

Lamp controlgear Part 1: General and safety requirements

SANS 61326-1. SANS 61326-2-5:2009 / IEC 61326-2-5:2006 Electrical equipment for measurement, control and laboratory use - EMC requirements Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for field devices with interfaces according to IEC 61784-1, CP 3/2 Ed 1.00 A4 10p EN Gr 6

configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 Ed 1.00 A4 13p EN Gr 7 PDF 13p EN 25.040.40; 33.100.01

Electrical equipment for measurement, control and laboratory use - EMC requirements Part 2-4: Particular requirements - Test

Specifies detailed test configurations, operational conditions and performance criteria for transducers with integrated or remote signal conditioning.

Specifies requirements for immunity and emissions regarding electromagnetic compatibility (EMC) for electrical equipment, operating from a

supply or battery of less than 1 000 V a.c. or 1 500 V d.c. or from the circuit being measured, intended for professional, industrial-process, industrial-manufacturing and educational use. Specifies more detailed test configurations, operational conditions and performance criteria than

Applies only to transducers characterized by their ability to transform, with the aid of an auxiliary energy source, a non-electric quantity to a process-relevant electrical signal, and to output the signal at one or more ports. SANS 61326-2-4:2009 / IEC 61326-2-4:2006

Specifies detailed test configurations, operational conditions and performance criteria for equipment which is used for testing, measuring or monitoring of protective measures in low-voltage distribution systems, is powered by battery and/or from the circuit measured, and is portable.

Electrical equipment for measurement, control and laboratory use - EMC requirements Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning

PDF 11p EN

SANS 61326-2-3:2009 / IEC 61326-2-3:2006

Ed 1.00 A4 9p EN Gr 6 PDF 9p EN 33.100.01 Specifies detailed test configurations, operational conditions and performance criteria for equipment with test and measurement circuits (both

Electrical equipment for measurement, control and laboratory use - EMC requirements Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected

internal and/or external to the equipment) that are not EMC protected for operational and/or functional reasons, as specified by the manufacturer.

SANS 61326-2-2:2009 / IEC 61326-2-2:2005

Electrical equipment for measurement, control and laboratory use - EMC requirements Part 1: General requirements

Electrical equipment for measurement, control and laboratory use - EMC requirements Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in lowvoltage distribution systems

Ed 1.00 A4 21p EN

applications

PDF 21p EN

SANS 61326-2-1:2009 / IEC 61326-2-1:2005

SANS 61326-1:2007 / IEC 61326-1:2005 (2011-11-11)

Ed 1.00 A4 11p EN

Ed 1.00 A4 27p EN

PDF 27p EN

PDF 10p EN

PDF 71p EN

Am 1(International), 2012-05-18

(SABS IEC 61347-1)

Ed 2.01 A4 71p EN

60 Hz.

Gr 7 33.100.01

Gr 10

25.040.40; 33.100.01

Gr 14

29.140.99

25.040.40; 33.100; 33.100.01

NUMERICAL LIST OF STANDARDS

Gr 9 33,100.01

Specifies requirements for immunity and emissions regarding electromagnetic compatibility (EMC) for electrical equipment, operating from a

supply or battery of less than 1 000 V a.c. or 1 500 V d.c. or from the circuit being measured.

SANS 61347-2-1:2006 / IEC 61347-2-1:2006 (2011-12	-15)
(SADS IEC 01347-2-1)	for starting devices (other than glow starters)
Ed 1.01 A4.215 EN	
PDF 21p EN	29.140.99
Specifies particular safety requirements for starting dev lamps for use on a.c. supplies up to 1 000 V at 50 Hz c Am 1(International), 2006-07-21	rices (starters other than glow starters and ignitors) for fluorescent and other discharge or 60 Hz which produce starting pulses not greater than 100 kV.
SANS 613/7-2-2:2006 / IEC 613/7-2-2:2006	
(SABS IEC 61347-2-2)	
Lamp controlgear Part 2-2: Particular requirements	for d.c. or a.c. supplied electronic step-down convertors for filament lamps
Ed 1.02 A4 35p EN	Gr 11
PDF 35p EN	29.140.99
Specifies particular safety requirements for electronic s 50 Hz or 60 Hz and rated output voltage less than and Am 1(International), 2006-07-28 Am 2(Interna	tep-down convertors for use on d.c. supplies up to 250 V or a.c. supplies up to 1 000 V at equal to 50 V r.m.s. at a frequency deviating from the supply frequency. tional , 2006-07-28
SANS 61347-2-3:2012 / IEC 61347-2-3:2011 (SABS IEC 61347-2-3)	
Lamp control gear Part 2-3: Particular requirements	s for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps
Ed 2.00 A4 44p EN	Gr 12
PDF 44p EN	29.140.99
Specifies particular safety requirements for electronic of frequencies deviating from the supply frequency, associdentical adoption under the designation SANS 60081) fluorescent lamps for high-frequency operation. Cor 1(International), 2012-05-18	ontrol gear for use on a.c. and d.c. supplies up to 1 000 V at 50 Hz or 60 Hz with operating stated with fluorescent lamps as specified in IEC 60081 (published in South Africa as an and IEC 60901 (published in South Africa under the designation SANS 60901) and other
SANS 61247.2-4-2000 / IEC 61247.2-4-2000 (2007.02	- 16)
(SABS IEC 61347-2-4)	-10)
Lamp controlgear Part 2-4: Particular requirements	for d.c supplied electronic ballasts for general lighting
Ed 1.00 A4 15p EN	Gr 9
PDF 15p EN	29.140.99
Specifies particular safety requirements for d.c. supplie operated directly from batteries without charging equip Am 1(National), 2007-02-16	d electronic ballasts intended for operation from transient and surge-free power sources, ment as used in leisure equipment, for example, caravans, etc.
SANS 61347-2-5:2000 / IEC 61347-2-5:2000 (2007-01 (SABS IEC 61347-2-5)	-26)
Lamp controlgear Part 2-5: Particular requirements	for d.c supplied electronic ballasts for public transport lighting
Ed 1.00 A4 18p EN	Gr 9
PDF 18p EN	29.140.99
Specifies particular safety requirements for d.c. supplie transients and surges, for example, for road and railwa Am 1(National), 2007-01-26	d electronic ballasts intended for operation from power sources likely to have attendant y vehicles, tramcars and craft used for public transport.
SANS 61347-2-6:2000 / IEC 61347-2-6:2000 (2007-01 (SABS IEC 61347-2-6)	-26)
Lamp controlgear Part 2-6: Particular requirements	for d.c supplied electronic ballasts for aircraft lighting
Ed 1.00 A4 18p EN PDF 18p EN	Gr 9 29.140.99
Specifies particular safety requirements for d.c. supplie transients and surges such as in aircraft.	ed electronic ballasts intended for operation from power sources likely to have attendant
Am 1(National), 2007-01-26	
SANS 61347-2-7:2007 / IEC 61347-2-7:2006 (SABS IEC 61347-2-7)	
Lamp controlgear Part 2-7: Particular requirements	for d.c supplied electronic ballasts for emergency lighting
Ed 2.00 A4 23p EN PDF 23p EN	Gr 10
Specifies particular safety requirements for d.c. supplie	שטערי שט שטער איז
	a section balacto for managino and for managino emergency lighting purposes.

Gr 10

Gr 10 29.140.99

29.140.99

SANS 61347-2-8:2007 / IEC 61347-2-8:2006 (2012-02-10) (SABS IEC 61347-2-8)

Lamp controlgear Part 2-8: Particular requirements for ballasts for fluorescent lamps

Ed 1.01 A5 23p EN PDF 23p EN

Specifies safety requirements for ballasts, excluding resistance types, for use on a.c. supplies up to 1 000 V at 50 Hz or 60 Hz, associated with fluorescent lamps with or without pre-heated cathodes operated with or without a starter or starting device and having rated wattages, dimensions and characteristics as specified in IEC 60081 and IEC 60901 (published in South Africa as identical adoptions under the designations SANS 60081 and SANS 60901). Applies to complete ballasts and to their component parts such as reactors, transformers and capacitors. Am 1(International), 2007-02-02

SANS 61347-2-9:2010 / IEC 61347-2-9:2009

(SABS IEC 61347-2-9)

Lamp controlgear Part 2-9: Particular requirements for ballasts for discharge lamps (excluding fluorescent lamps)

Ed	1.02	A4 25p EN	
		PDF 25p EN	

Specifies particular safety requirements for ballasts for discharge lamps such as high-pressure mercury vapour, low-pressure sodium vapour, highpressure sodium vapour and metal halide lamps. Covers inductive type ballasts for use on a.c. supplies up to 1 000 V at 50 Hz or 60 Hz, associated with discharge lamps having rated wattages, dimensions and characteristics as specified in IEC 60188, IEC 60192 and IEC 60662 (published in South Africa as identical adoptions under the designations SANS 60188, SANS 60192 and SANS 60662).

Am 1(International), 2004-03-05 Am 2(International), 2010-06-17

SANS 61347-2-10:2010 / IEC 61347-2-10:2009

(SABS IEC 61347-2-10)

Lamp controlgear Part 2-10: Particular requirements for electronic invertors and convertors for high-frequency operation of cold start tubular discharge lamps (neon tubes)

Ed 1.01 A4 21p EN Gr 9 PDF 21p EN 29 140 99

Specifies particular requirements for electronic invertors and convertors for high-frequency operation of tubular cold-cathode discharge lamps used in signs and luminous discharge tube installations and operating with an output voltage exceeding 1 000 V but not exceeding 10 000 V for direct connection to supply voltages not exceeding 1 000 V at 50 Hz or 60 Hz or 1 000 V d.c. Am 1(International), 2010-08-13

Am 1(National), 2007-02-16

(SABS IEC 61347-2-11)

Lamp controlgear Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires

Ed 1.00 A4 9p EN PDF 9p EN

29.140.99

Specifies general and safety requirements for miscellaneous electronic circuits used with luminaires for use on a.c. supplies up to 1 000 V at 50 Hz or 60 Hz and/or d.c. supplies up to 250 V.

Cor 1(International), 2002-02-15 Am 1(National), 2007-01-26

SANS 61347-2-13:2007 / IEC 61347-2-13:2006 (2012-02-10)

Lamp controlgear Part 2-13: Particular	requirements for d.c.	or a.c. supplied electronic	controlgear for LED modules
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Ed 1.00	A4 39p EN	Gr 11
	PDF 39p EN	29.140.99

Specifies particular safety requirements for electronic controlgear for use on d.c. supplies up to 250 V and a.c. supplies up to 1 000 V at 50 Hz or 60 Hz and at an output frequency which can deviate from the supply frequency, associated with LED modules.

SANS 61378-1:1997 / IEC 61378-1:1997 (2008-02-22)

(SABS IEC 61378-1)

Convertor transformers Part 1: Transformers for industrial applications Ed 1.00 A4 32p EN

PDF 32p EN 29.180 Deals with the specification, design and testing of power transformers and reactors which are intended for integration within semiconductor convertor plants. Limited to applications of power convertors, of any power rating, for local distribution, at moderate rated convertor voltage, generally for industrial applications and typically with a highest voltage for equipment not exceeding 36 kV.

Am 1(National), 2008-02-22

SANS 61378-3:2007 / IEC 61378-3:2006 (2013-02-01)		
Converte	r transformers Part 3: Application guide	
Ed 1.00	A4 82p EN	Gr 15
	PDF 82p EN	29.180

Provides information to users about specific topics related to industrial and HVDC converter transformers with design, construction, testing and operating conditions differing from conventional transformers used in power systems.

Gr 6

Gr 12

SANS 61386-1:2008 / IEC 61386-1:2008 (SABS IEC 61386-1)	
Conduit systems for cable management Part 1: General requirements	0-11
Ed 2.00 A4 39p EN PDF 39n EN	Gr 11
	29.120.10
Specifies requirements and tests for conduit systems, including conduits and co conductors and/or cables in electrical installations or in communication systems metallic and composite conduit systems, including threaded and non-threaded	onduit fittings, for the protection and management of insulated s up to 1 000 V a.c. and/or 1 500 V d.c. Applies to metallic, non- entries which terminate the system.
SANS 61386-21:2003 / IEC 61386-21:2002 (2008-11-28) Conduit systems for cable management Part 21: Particular requirements -	Rigid conduit systems
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	29.120.10
Specifies the requirements for rigid conduit systems.	
SANS 61386-22:2003 / IEC 61386-22:2002 (2009-06-26)	
Conduit systems for cable management Part 22: Particular requirements -	Pliable conduit systems
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	29.120.10
Specifies the requirements for pliable conduit systems including self-recovering	conduit systems .
SANS 61386-23:2003 / IEC 61386-23:2002 (2008-11-28)	
Conduit systems for cable management Part 23: Particular requirements -	Flexible conduit systems
Ed 1.00 A4 11p EN	Gr 7
PDF 11p EN	29.120.10
Specifies the requirements for flexible conduit systems.	
SANS 61386-24:2005 / IEC 61386-24:2004 (2010-12-09)	
Conduit systems for cable management Part 24: Particular requirements -	Conduit systems buried underground
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	29.120.10
Specifies requirements and tests for conduit systems buried underground inclu- management of insulated conductors and/or cables in electrical installations or composite systems including threaded and non-threaded entries which termina	ding conduits and conduit fittings for the protection and in communication systems. Applies to metallic, non-metallic and te the system.
SANS 61396 25:2012 / IEC 61396 25:2011	
Conduit systems for cable management Part 25: Particular requirements -	Conduit fixing devices
Ed 1 00 A4 18p EN	Gr 8
PDF 18p EN	29 120 10
Charifies requirements and tests for conduit fiving devices used for support or a	votantian (ar bath) of conduit for achie management
Specifies requirements and tests for conduit fixing devices used for support of r	eternion (or both) of conduit for cable management.
SANS 61400-1:2012 / IEC 61400-1:2005	
Wind turbines - Part 1: Design requirements	
Ed 1.00 A4 87p EN	Gr 15
PDF 87p EN	27.180
Specifies essential design requirements to ensure the engineering integrity of w damage from all hazards during the planned lifetime.	vind turbines. Provides an appropriate level of protection against
SANS 61400-14:2011 / IEC/TS 61400-14:2005	
Wind turbines - Part 14: Declaration of apparent sound power level and to	nality values
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	27.180
Determines the declared noise emission values from a sample ofturbines of the planning and facilitate the comparison of apparent sound power levels and tona	e same type. The declaration will increase the reliability of wind farm lity values of differenttypes of wind turbines.
SANS 61400-21:2012 / IEC 61400-21:2008	
Wind turbines - Part 21 Measurement and assessment of power quality ch	aracteristics of grid connected wind turbines
Ed 1.00 A4 59p EN	Gr 13
PDF 59p EN	17,220,20: 27,180

Provides definition and specification of the quantities to be determined for characterizing the power quality of a grid connected wind turbine; specifies measurement procedures for quantifying the characteristics; and specifies procedures for assessing compliance with power quality requirements, including estimation of the power quality expected from the wind turbine type when deployed at a specific site, possibly in groups.
Gr 14

27.180

Gr 18

27.180

Gr 20

27.180

27.180: 91.120.40

SANS 61400-22:2011 / IEC 61400-22:2010

wind tui	wind turbines - Part 22: Conformity testing and certification	
Ed 1.00	A4 79p EN	
	PDF 79p EN	

Provides a common basis for certification of wind turbines and wind turbine projects, including a basis for acceptance of operating bodies (i.e. certification bodies, inspection bodies and testing laboratories) and mutual recognition of certificates.

SANS 61400-23:2011 / IEC/TS 61400-23:2001

Wind turbine generator systems - Part 23: Full-scale structural testing of rotor blades

Ed 1.00	A4 64p EN	Gr 14
	PDF 64p EN	27.180

Provides guidelines for the full-scale structural testing of wind turbine blades and for the interpretation or evaluation of results, as a possible part of a design verification of the integrity of the blade.

SANS 61400-24:2011 / IEC 61400-24:2010

Wind turbines - Part 24: Lightning protection

			-		
Ed 1	1.00	A4 154p EN			
		PDF 154p EN			

Defines the lightning environment for wind turbines and application of the environment for risk assessment for the wind turbine. Also defines requirements for protection of blades, other structural components and electrical and control systems against both direct and indirect effects of lightning. Test methods to validate compliance are recommended.

SANS 61400-25-1:2011 / IEC 61400-25-1:2006

Wind turbines Part 25-1: Communications for monitoring and control of wind power plants - Overall description of principles and models Ed 1.00 A4 32p EN Gr 11

Ed 1.00 A4 32p EN PDF 32p EN

Offers an introductory orientation, crucial requirements, and a modelling guide. It also gives an overall description of the principles and models used in the IEC 61400-25 series of standards which defines how to model the information, information exchange and mapping to specific communication protocols.

SANS 61400-25-2:2011 / IEC 61400-25-2:2006

Wind turbines Part 25-2: Communications for monitoring and control of wind power plants - Information models

Ed 1.00	A4 84p EN	Gr 16
	PDF 84p EN	27.180

Specifies the information model of devices and functions related to wind power plant applications. In particular, it specifies the compatible logical node names, and data names for communication between wind power plant components. This includes the relationship between logical devices, logical nodes and data. The names defined in the IEC 61400-25 series are used to build the hierarchical object references applied for communicating with components in wind power plants. It also specifies common attribute types and common data classes related to wind turbine applications.

SANS 61400-25-3:2011 / IEC 61400-25-3:2006

Wind turbines Part 25-3: Communications for monitoring and control of wind power plants - Information exchange models

Ed 1.00	A4 33p EN	Gr 12
	PDF 33p EN	27.180

Defines services of the model of the information exchange of intelligent electronic devices in wind power plants. The services are referred to as the Abstract Communication Service Interface (ACSI). The ACSI has been defined so as to be independent of the underlying communication systems. The information exchange model is defined in terms of, a hierarchical class model of all information that can be accessed, information exchange services that operate on these classes and parameters associated with each information exchange service.

SANS 61400-25-4:2011 / IEC 61400-25-4:2008

Wind turbines Part 25-4: Communications for monitoring and control of wind power plants - Mapping to communication profile

Ed 1.00 A4 239p EN PDF 239p EN

Specifies the specific mappings to protocol stacks encoding the messages required for the information exchange between a client and a remote server. Also provides an abstract definition of classes and services such that the specifications are independent of specific protocol stacks, implementations, and operating systems. Specifies the mapping of these abstract classes and services to protocol stacks.

SANS 61400-25-5:2011 / IEC 61400-25-5:2006

Wind turbines Part 25-5: Communications for monitoring and control of wind power plants - Conformance testing

Ed 1.00	A4 46p EN	Gr 13
	PDF 46p EN	27.180

Specifies standard techniques for testing of conformance of implementations, as well as specific measurement techniques to be applied when declaring performance parameters. The use of these techniques will enhance the ability of users to purchase systems that integrate easily, operate correctly, and support the applications as intended.

SANS 61400-25-6:2011 / IEC 61400-25-6:2010

Wind turbines Part 25-6: Communications for monitoring and control of wind power plants - Logical node classes and data of	lasses
for condition monitoring	

Ed 1.00 A4 32p EN PDF 32p EN Gr 13 27.180

Gr 8

Gr 6

29.220.30

Gr 17

29.130.20

Specifies the information models related to condition monitoring for wind power plants and the information exchange of data values related to these models. It also defines an information model for condition monitoring information and how to use the existing definitions of IEC 61400-25-2 and to define the required extensions in order to describe and exchange information related to condition monitoring of wind turbines. The models of condition monitoring information provided by sensors or by calculation.

SANS 61427:2005 / IEC 61427:2005 (2010-06-25)

(SABS IEC 61427)

Secondary cells and batteries for photovoltaic energy systems (PVES) - General requirements and methods of test

Ed 2.00 A4 16p EN PDF 16p EN

PDF 16p EN 27.160; 29.220.20 Specifies general information relating to the requirements of the secondary batteries used in photovoltaic energy systems (PVES) and to the typical methods of test for the verification of battery performances.

SANS 61429:1995 / IEC 61429:1995 (2012-08-24)

(SABS IEC 61429)

Marking of secondary cells and batteries with the international re-	cycling symbol ISO 7000-1135
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Ed 1.00 A4 9p EN PDF 9p FN

29.220.20; 29.220.30

Defines the conditions of utilization of the recycling symbol of the ISO associated with the chemical symbols indicating the electrochemical system of the battery. Applies to lead-acid batteries (Pb) and nickel-cadmium batteries (Ni-Cd). **Am 1(National), 2007-08-17**

Am (National), 2007-00-17

SANS 61430:1997 / IEC 61430:1997 (2012-08-24)

(SABS IEC 61430)

Fd 1

Secondary cells and batteries - Test methods for checking the performance of devices designed for reducing explosion hazards - Lead-acid starter batteries

.00	A4 14p EN	Gr 7
	PDF 14p EN	29.220.20

Gives guidance on procedures for testing the effectiveness of devices which are used to reduce the hazards of an explosion, together with the protective measures to be taken.

Am 1(National), 2007-08-17

SANS 61438:1996 / IEC 61438:1996 (2012-08-24)

(SABS IEC 61438)

Possible safety and health hazards in the use of alkaline secondary cells and	I batteries - Guide to equipment manufacturers and users
Ed 1.00 A4 19p EN	Gr 9

PDF 19p EN

Outlines the fundamental conditions necessary for the creation of each hazard. Includes identification and characterization of the possible hazards inherent in the application, use and abuse of nickel-cadmium cells and batteries. Also includes examples for appliance design which minimize these hazards.

Am 1(National), 2007-08-31

SATR 6143 Low-voltag	39-0:2012 / IEC/TR 61439-0:2010 ge switchgear and controlgear assemblies Part 0: Guidance to spec	ifying assemblies
Ed 1.00 A	44 53p EN	Gr 13
F	PDF 53p EN	29.130.20
Identifies, f	from the user's perspective, functions and characteristics that should be	defined when assemblies are specified.

SANS 61439-1:2012 / IEC 61439-1:2011

Low-voltage switchgear and controlgear assemblies Part 1: General rules

Ed 2.00 A4 141p EN PDF 141p EN

Lays down the definitions and states the service conditions, construction requirements, technical characteristics and verification requirements for low-voltage switchgear and controlgear assemblies.

SANS 61439-2:2012 / IEC 61439-2:2011

Low-voltage switchgear and controlgear assemblies Part 2: Power switchgear and controlgear assemblies

Ed 2.00	A4 24p EN	Gr 10
	PDF 24p EN	29.130.20

Defines the specific requirements of power switchgear and controlgear (PSC-S) assemblies of the rated voltages below 1 000 V a.c. or 1 500 V d.c.

Standards South Africa Catalogue 2013 NUM - 817

Ed 2.00 A4 32p EN	$Gr \ 11$
PDF 32p EN	29.060.20
Specifies the test methods to be used for type testing acces Test methods are specified for accessories for extruded and	ssories for power cables with rated voltages from 3,6/6 (7,2) kV up to 18/30 (36) kV. d paper insulated cables.
SANS 61462:2007 / IEC 61462:2007 (2013-02-22) (SABS IEC 61462)	
Composite hollow insulators - Pressurized and unpress than 1 000 V - Definitions, test methods, acceptance crit	surized insulators for use in electrical equipment with rated voltage greater teria and design recommendations
Ed 2.00 A4 42p EN	Gr 12
	29.080.10
Applies to composite hollow insulators consisting of a load- insulating tube) made of elastomeric material (for example s tube. Composite hollow insulators are intended for general u intended for use in both outdoor and indoor electrical equipr frequency not greater than 100 Hz or for use in direct currer	bearing insulating tube made of resin impregnated fibres, a housing (outside the silicone or ethylene-propylene) and metal fixing devices at the ends of the insulating use (unpressurized) or for use with a permanent gas pressure (pressurized). They are ment operating on alternating current with a rated voltage greater than 1 000 V and a nt equipment with a rated voltage greater than 1 500 V.
SANS 61466-1:1997 / IEC 61466-1:1997 (2008-06-27) (SABS IEC 61466-1)	
Composite string insulator units for overhead lines with end fittings	n a nominal voltage greater than 1 000 V Part 1: Standard strength classes and
Ed 1.00 A4 25p EN	Gr 11
PDF 25p EN	29.080.10
Applies to composite string insulator units for a.c. overhead Hz. Also applies to insulators of similar design used in subs	lines with a nominal voltage greater than 1 000 V and a frequency not greater than 1 tations or on electric traction lines.
Am 1(National), 2007-06-22 Cor 1(Internation	al), 2008-06-27
SANS 61467:2009 / IEC 61467:2008 (SABS IEC 61467)	
Insulators for overhead lines - Insulator strings and sets	s for lines with a nominal voltage greater than 1 000 V - AC power arc tests
Ed 2.00 A4 42p EN	Gr 12
PDF 42p EN	29.080.10
Applies to insulator strings and sets comprising string insula lines and traction lines with a nominal voltage above 1 000 V of similar design used in substations.	ator units of ceramic material, glass or composite material for use on a.c. overhead V and a frequency between 15 Hz and 100 Hz. Also applies to insulator strings or sets
SANS 61481:2005 / IEC 61481:2004 (2012-02-10) (SABS IEC 61481)	
Live working - Portable phase comparators for use on v	voltages from 1 kV to 36 kV a.c.
Ed 1.02 A4 54p EN	Gr 13
PDF 54p EN	13.260; 29.240.20; 29.260.99
Applies to portable phase comparators with or without a buil and frequencies from 50 Hz to 60 Hz.	It-in power source to be used on electrical systems for voltages from 1 kV to 36 kV a.
Am 1(International), 2003-08-15 Am 2(International) Cor 2(International), 2007-02-02	al), 2005-04-22 Cor 1(International), 2007-02-02
SANS 61482-1-1:2009 / IEC 61482-1-1:2009 Live working - Protective clothing against the thermal h	nazards of an electric arc Part 1-1: Test methods - Method 1: Determination of
Fd 1.00 A4 41n FN	Gr 12
	13 220 40: 13 260: 13 340 10
PDF 41p EN	

SANS 61439-6:2012 / IEC 61439-6:2012

Low-voltage switchgear and controlgear assemblies Part 6: Busbar trunking systems (busways)

Ed 1.00 A4 43p EN PDF 43p EN

(SABS IEC 61442)

SANS 61442:2006 / IEC 61442:2005

Lays down the definitions and states the service conditions, construction requirements, technical characteristics and verification requirements for low-voltage busbar trunking systems.

29.130.20

Gr 12

SANS 61515:1995 / IEC 61515:1995 (2007-03-02)

(SABS IEC 61515)

Mineral insulated thermocouple cables and thermocouples

Ed 1.00 A4 18p EN PDF 18p EN

17.200.20; 29.060.20

Gr 8

Establishes the requirements for mineral insulated thermocouple cables and for mineral insulated thermocouples but does not specify accessories. Deals only with cables and thermocouples having one pair of base-metal conductors and is intended for use in general industrial applications. Am 1(National), 2007-03-02

SANS 61534-1:2012 / IEC 61534-1:2011

Powertrack systems Part 1: General requirements

Ed 2.00 A4 68p EN Gr 14 PDF 68p EN 29.120.99

Specifies general requirements and tests for powertrack (PT) systems with a rated voltage not exceeding 277 V a.c. single phase, or 480 V a.c. two or three phase 50 Hz/60 Hz, with a rated current not exceeding 63 A. These systems are used for distributing electricity in household, commercial and industrial premises.

SANS 61534-22:2009 / IEC 61534-22:2009

Powertrack systems Part 22: Particular requirements for powertrack systems intended for on floor or under floor installation		
Ed 1.00 A4 21p EN	Gr 9	
PDF 21p EN	29.060.10: 29.120.20: 29.140.50	

Applies to power track systems that are intended to be mounted on, or under the floor level and floor service units which are mounted on the floor. under the floor or flush with the floor.

SANS 61535:2012 / IEC 61535:2012

Installation couplers intended for permanent connection in fixed installations

Ed 1.01 A4 50p EN PDF 50p EN

Applies to two up to five wire installation couplers including earth, if provided, with a rated voltage up to and including 500 V a.c. and a rated connecting capacity up to and including 10 mm² for permanent connection in indoor electrical installations. Installation couplers with additional contacts for voltages other than mains voltages are outside the scope of this standard.

Am 1(International), 2012-12-07

SANS 61540:2007 / IEC 61540:1999 (2013-02-08)

Electrical accessories - Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs)

=a 1.01	A4 113P EN	Gr 16)
	PDF 113p EN	29.120).50

Applies to portable devices for household and similar uses (PRCDs), consisting of a plug, a residual current device (RCD) and one or more socketoutlets or a provision for connection, functionally independent of, or functionally dependent on, line voltage. They do not incorporate overcurrent protection. They are intended for single-phase circuits for rated currents not exceeding 16 A for rated voltages not exceeding 250 V a.c., or for rated current not exceeding 32 A for rated voltages not exceeding 130 V a.c. to earth. They are intended to provide protection against shock hazard in case of direct contact, in addition to the protection provided by the fixed installations for the circuit downstream.

Am 1(International), 2007-11-02

SANS 61543:2007 / IEC 61543:1995 Residual current-operated protective devices (RCDs) for household and similar use - Electromagnetic compatibility					
Ed 1.00 A4 11p EN PDF 11p EN	Gr 7 33.100.20				
Intended to ensure electromagnetic compa.c., intended principally for protection of Am 1(International), 2007-11-23	patibility (EMC) of devices providing residual current protection, for rated voltages not exceeding 440 V persons against shock hazards. Am 2(International), 2007-11-23				
SANS 61547:2012 / IEC 61547:2010 (SABS IEC 61547) Equipment for general lighting purpos	ses - EMC immunity requirements				

Equipme	Equipment for general lighting purposes - EMC immunity requirements			
Ed 2.00	A4 18p EN	Gr 8		
	PDF 18p EN	33 100 20		

Applies to lighting equipment which is within the scope of IEC technical committee 34, such as lamps, auxiliaries and luminaires, intended either for connecting to a low voltage electricity supply or for battery operation.

SANS 61549:2005 / IEC 61549:2005

Miscellaneous lamps Ed 1.01 A4 25p EN Gr 10 PDF 25p EN 29.140.20; 29.140.30

Specifies lamps, or information relevant to lamps, not given elsewhere in existing SANS lamp standards. Am 1(International), 2005-09-16

> Standards South Africa Catalogue 2013 NUM - 818

Gr 12

29.120.20; 29.120.99

interval of the

SANS 61558-1:2010 / IEC 61558-1:2009	
Safety of power transformers, power supplies, reactors and similar products	Part 1: General requirements and tests
Ed 2.01 A4 162p EN	Gr 18
PDF 162p EN	29.180
Deals with safety aspects of power transformers, power supplies, reactors and sim Covers dry-type transformers, power supplies, including switch mode power suppli non-encapsulated. Am 1(International), 2010-06-25	ilar products such as electrical, thermal and mechanical safety. ers, and reactors, the windings of which may be encapsulated or
SANS 61558-2-1-2007 / IEC 61558-2-1-2007 (2013-03-01)	
(SABS IEC 61558-2-1) Safety of power transformers, power supplies, reactors and similar products	Part 2-1: Particular requirements and tests for
Ed 2.00 A4 13p EN	Gr 7
PDF 13p EN	29.180
Deals with safety aspects of separating transformers and power supplies incorpora mechanical safety.	ting separating transformers such as electrical, thermal and
SANS 61558-2-2:2007 / IEC 61558-2-2:2007 (2013-03-01) (SABS IEC 61558-2-2)	
Safety of power transformers, power supplies, reactors and similar products transformers and power supplies incorporating control transformers	Part 2-2: Particular requirements and tests for control
Ed 2.00 A4 15p EN	Gr 8
PDF 15p EN	29.180
Deals with safety aspects of control transformers and power supplies incorporating safety.	control transformers such as electrical, thermal and mechanical
SANS 61558-2-3:2011 / IEC 61558-2-3:2010 (SABS IEC 61558-2-3)	
Safety of transformers, reactors, power supply units and combinations there transformers for gas and oil burners	of Part 2-3: Particular requirements and tests for ignition
Ed 2.00 A4 18p EN	Gr 8
PDF 18p EN	29.180
Deals with the safety of ignition transformers for gas and oil burners. Also covers ig	gnition transformers that incorporate electronic circuits.
SANS 61558-2-4:2009 / IEC 61558-2-4:2009 (2013-03-01) (SABS IEC 61558-2-4)	
Safety of transformers, reactors, power supply units and similar products for	supply voltages up to 1 100 V Part 2-4: Particular
requirements and tests for isolating transformers and power supply units inc	corporating isolating transformers
Ed 2.00 A4 15p EN PDF 15p EN	Gr 8 20.190
Applies to stationary or portable, single phase or polyphase, air cooled (patural or	29.100
a rated supply voltage not exceeding 1 100 V a.c., a rated supply frequency not ex for single-phase transformers and 40 kVA for polyphase transformers.	ceeding 500 Hz, and a rated output that does not exceed 25 kVA
SANS 61558-2-5:2011 / IEC 61558-2-5:2010 (SABS IEC 61558-2-5)	
Safety of transformers, reactors, power supply units and combinations there	of Part 2-5: Particular requirements and test for
transformers for shavers, power supply units for shavers and shaver supply	units
PDF 16p EN	Gr 8 29 180: 97 170
Deals with the safety of shaver transformers, power supply units incorporating a sh transformers that incorporate electronic circuits.	naver transformer, and shaver supply units. Also covers shaver
SANS 61558-2-6:2009 / IEC 61558-2-6:2009 (2013-03-01)	
Safety of transformers, reactors, power supply units and similar products for requirements and tests for safety isolating transformers and power supply units	supply voltages up to 1 100 V Part 2-6: Particular
Ed 2.00 A4 15p EN	Gr 8
PDF 15p EN	29.180
Deals with the safety of safety isolating transformers for general applications and p general applications. Covers transformers that incorporate electronic circuits. Not a be connected to the input terminals and output terminals of the transformers.	power supply units incorporating safety isolating transformers for applicable to external circuits and their components intended to

SANS 61558-2-7:2007 / IEC 61558-2-7:2007 (2013-03-01) (SABS IEC 61558-2-7)	
Safety of power transformers, power supplies, reactors and similar products transformers and power supplies for toys	Part 2-7: Particular requirements and tests for
Ed 2.00 A4 19p EN PDF 19p EN	Gr 9 29.180: 97.200.50
Deals with safety aspects of transformers for toys and power supplies incorporating mechanical safety.	g transformers for toys such as electrical, thermal and
SANS 61558-2-8:2011 / IEC 61558-2-8:2010 (SABS IEC 61558-2-8)	
Safety of transformers, reactors, power supply units and combinations there transformers and power supply units for bells and chimes	of Part 2-8: Particular requirements and tests for
Ed 2.00 A4 15p EN PDF 15p EN	Gr 8 29.180
Deals with the safety of bell and chime transformers and power supply units incorp that incorporate electronic circuits.	orating bell and chime transformers. Also covers transformers
SANS 61558-2-9:2011 / IEC 61558-2-9:2010 Safety of transformers, reactors, power supply units and combinations there	of Part 2-9: Particular requirements and tests for
Ed 2.00 A4 14p EN	Gr 7
PDF 14p EN	29.180
class III handlamps for tungsten filament lamps. Also covers transformers that inco	prorate electronic circuits.
SANS 61558-2-12:2013 / IEC 61558-2-12:2011 (SABS IEC 61558-2-12)	
Safety of transformers, reactors, power supply units and combination thereof constant voltage transformers and power supply units for constant voltage	f Part 2-12: Particular requirements and tests for
PDF 21p EN	Gr 9 29.180
Deals with the safety of constant voltage transformers for general applications and Covers constant voltage transformers incorporating electronic circuits.	power supply units for constant voltage for general applications.
SANS 61558-2-13:2009 / IEC 61558-2-13:2009 (2013-03-01) (SABS IEC 61558-2-13)	
Safety of transformers, reactors, power supply units and similar products for requirements and tests for auto transformers and power supply units incorport	supply voltages up to 1 100 V Part 2-13: Particular prating auto transformers
PDF 17p EN	29.180
Applies to stationary or portable, single-phase or polyphase, air-cooled (natural or f a rated supply voltage not exceeding 1 100 V a.c., a rated supply frequency not exceeding for single-phase transformers and 200 kVA for polyphase transformers.	forced), independent or associated dry-type transformers, having ceeding 500 Hz, and a rated output that does not exceed 40 kVA
SANS 61558-2-15:2012 / IEC 61558-2-15:2011 (SABS IEC 61558-2-15)	
Safety of power transformers, reactors, power supply units and similar Part 2 for the supply of medical locations	-15: Particular requirements for isolating transformers
Ed 2.00 A4 21p EN PDE 21p EN	Gr 9
Deals with safety aspects of isolating transformers for the supply of medical locatio	ins.
SANS 61558-2-16:2010 / IEC 61558-2-16:2009	
Safety of transformers, reactors, power supply units and similar products for requirements and tests for switch mode power supply units and transformers	supply voltages up to 1 100 V Part 2-16: Particular s for switch mode power supply units
Ed 1.00 A4 35p EN PDF 35p EN	Gr 11
Deals with the safety of switch mode power supply units and transformers for switc incorporate electronic circuits.	h mode power supply units. Also covers transformers that
SANS 61558-2-20:2011 / IEC 61558-2-20:2010 (SABS IEC 61558-2-20)	
Safety of transformers, reactors, power supply units and combinations there	of Part 2-20: Particular requirements and tests for small
Ed 2.00 A4 18p EN	Gr 8
Deals with the safety of small reactors for general applications.	29.180

Standards South Africa Catalogue 2013

SANS 61558-2-23:2012 / IEC 61558-2-23:2010 (SABS IEC 61558-2-23)	of Part 2 22: Particular requirements and toots for
transformers and power supply units for construction sites	or Part 2-23: Particular requirements and tests for
Ed 2.00 A4 23p EN	Gr 10
PDF 23p EN	29.180
Deals with the safety of transformers for construction sites and power supply units	incorporating transformers for construction sites.
SANS 61641:2008 / IEC/TR 61641:2008 Enclosed low-voltage switchgear and controlgear assemblies - Guide for test	ting under conditions of arcing due to internal fault
Ed 1.00 A4 14p EN	Gr 7
PDF 14p EN	29.130.20
Gives guidance on the method of testing of enclosed low-voltage switchgear and c internal fault.	controlgear assemblies under conditions of arcing in air due to an
SANS 61643-1:2006 / IEC 61643-1:2005 (SABS IEC 61643-1)	
Low-voltage surge protective devices Part 1: Surge protective devices conne Requirements and tests	ected to low-voltage power distribution systems -
Ed 2.00 A4 81p EN	Gr 15
PDF 81p EN	29.240.10
Applies to devices for surge protection against indirect and direct effects of lightnin to be connected to 50/60 Hz a.c. and d.c. power circuits, and equipment rated up to	ng or other transient overvoltages. These devices are packaged o 1 000 V r.m.s. or 1 500 V d.c.
SANS 61643-12:2009 / IEC 61643-12:2008 Low-voltage surge protective devices Part 12: Surge protective devices conn Selection and application principles	nected to low-voltage power distribution systems -
Ed 2.00 A4 155p EN	Gr 18
PDF 155p EN	29.240.10
Describes the principles for selection, operation, location and co-ordination of SPD circuits and equipment rated up to 1 000 V.r.m.s. or 1 500 V d.c.	es to be connected to 50 Hz to 60 Hz a.c. and to d.c. power
SANS 61643-21:2009 / IEC 61643-21:2009	
Low voltage surge protective devices Part 21: Surge protective devices conn	ected to telecommunications and signalling networks -
Performance requirements and testing methods	0.44
PDF 64p EN	Gr 14 20 120 50: 22 040 20
Applicable to device for every protection of telecommunications and eignelling pe	23.120.00, 00.040.00
transient overvoltages.	tworks against mullect and direct enects of lightning of other
Cor 1(International), 2004-02-06 Am 1(International), 2009-06-26	
SANS 61642-22:2005 / IEC 61642-22:2004 (2010-12-00)	
Low-voltage surge protective devices Part 22: Surge protective devices conn Selection and application principles	nected to telecommunications and signalling networks -
Ed 1.00 A4 49p EN	Gr 13
PDF 49p EN	29.120.50
Describes the principles for the selection, operation, location and coordination of S with nominal system voltages up to 1 000 V r.m.s. a.c. and 1 500 V d.c. Also addre power lines in the same enclosure.	PDs connected to telecommunication and signalling networks esses SPDs that incorporate protection for signalling lines and
SANS 61643-11:2011 / IEC 61643-11:2011 Low-voltage surge protective devices Part 11: Surge protective devices conn	nected to low-voltage power systems - Requirements and
test methods	
Ed 1.00 A4 99p EN PDF 99p EN	Gr 15
Is applicable to devices for surge protection against indirect and direct effects of lig be connected to 50/60 Hz a.c. power circuits, and equipment rated up to 1 000 V r.	phtning or other transient overvoltages. Devices are packaged to
SANS 61643-311:2004 / IEC 61643-311:2001 (2008-11-28) Components for low-voltage surge protective devices Part 311: Specification	i for gas discharge tubes (GDT)
Ed 1.00 A4 22p EN	Gr 9
PDF 22p EN	29.120.50
Gas discharge tubes (GDTs) are used for applications up to 1 000 V a.c. or 1 500 as a gap, or series of gaps, in an enclosed discharge medium other than air. They high transient voltages. This standard does not specify requirements applicable to requirements for GDTs employed within electronic devices, where precise coordinate withstand capability is highly critical.	V d.c. in communication or signalling circuits. They are defined are designed to protect apparatus or personnel, or both, from complete surge protective devices, nor does it specify total ation between GDT performance and surge protective device

SANS 61643-321:2004 / IEC 61643-321:2001 (2008-11-28)

Components for low-voltage surge protective devices Part 321: Specification for avalanche breakdown diode (ABD)

Ed 1.00 A4 16p EN

PDF 16p EN

Gr 8

31.080.10

29.120.50; 31.080.10

This part of IEC 61643 is applicable to avalanche breakdown diodes (ABDs) which represents one type of surge protective device component (hereinafter referred to as SPDC) used in the design and constuction of surge protective devices connected to low-voltage power distribution systems, transmission, and signalling networks. Test specifications in this standard are for single ABDs consisting of two terminals. However, multiple ABDs may be assembled within a single package defined as a diode array. Each diode within the array can be tested to this specification. This standard contains a series of test criteria for determining the electrical characteristics of the ABD. From the standard test methods described herein, the performance characteristics and ratings of the ABD can be verified or established for specific packaged designs.

SANS 61643-341:2004 / IEC 61643-341:2001 (2010-05-21)

Components for low-voltage surge protective devices Part 341: Specification for thyristor surge suppressors (TSS) Ed 1.00 A4 63p EN Gr 14

Ed 1.00	A4 63p EN PDF 63p EN		

This part of SANS 61643 is a test specification standard for thyristor surge suppressors (TSS) components designed to limit overvoltages and divert surge currents by clipping and crowbarring actions. Such components are used in the construction of surge protective devices, particularly as they apply to telecommunications. This standard contains information on terms, letter symbols and definitions, basic functions, configurations and component structure, service conditions and fault modes, rating verification and characteristic measurement.

SANS 61672-1:2003 / IEC 61672-1:2002 (2009-02-20)

Electroacoustics - Sound level meters Part 1: Specifications

Ed 1.00	A4 43p EN	Gr 12
	PDF 43p EN	17.140.50

This standard gives electroacoustical performance specifications for three kinds of sound measuring instruments:- a conventional sound level meter that measures exponential time-weighted sound level; - an integrating-averaging sound level meter that measures time-average sound level; and - an integrating sound level meter that measures sound exposure level.

SANS 61672-2:2003 / IEC 61672-2:2003 (2009-02-20)

Electroacoustics - Sound level meters Part 2: Pattern evaluation tests	
Ed 1.00 A4 41p EN	Gr 12

Ľu	1.00				<u>u</u>	12
		PDF 41p EN			17.1	40.50

This part of IEC 61672 provides details of the tests necessary to verify conformance to all mandatory specifications given in IEC 61672-1:2002 for conventional sound level meters, integrating-averaging sound level meters and integrating sound level meters. Pattern evaluation tests apply for each channel of a multi-channel sound level meter, as appropriate. Tests and test methods are applicable to class 1 and class 2 sound level meters. The aim is to ensure that all testing laboratories use consistent methods to perform pattern evaluation tests

SANS 61672-3:2007 / IEC 61672-3:2006

Electroacoustics - Sound level meters Part 3: Periodic tests

Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	17.140.50

Describes procedures for periodic testing of conventional, integrating-averaging, and integrating sound level meters conforming to the class 1 or class 2 requirements of IEC 61672-1:2002 (published in South Africa as an identical adoption under the designation SANS 61672-1). The aim of the standard is to ensure that periodic testing is performed in a consistent manner by all testing laboratories.

SANS 61744:2006 / IEC 61744:2005 (2011-02-24)

Calibration of fibre optic chromatic dispersion test sets

Ed 2.00	A4 55p EN	Gr 13
	PDF 55p EN	33.180.01

Provides standard procedures for the calibration of optical fibre chromatic dispersion (CD) test sets.

SANS 61746:2005 / IEC 61746:2005 (2011-02-24) Calibration of optical time-domain reflectometers (OTDR) Ed 2.00 A4 96p EN

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		PDF 96p E	N							33.180.20	
⊏u	2.00	A4 960 EN								GIIS	

Provides procedures for calibrating single-mode optical time domain reflectometers (OTDR). It only covers OTDR measurement errors and uncertainties.

0.45

SANS 61753-2-1:2000 / IEC 61753-2-1:2000 (2013-03-01)

(SABS IEC 61753-2-1)

Fibre optic interconnecting devices and passive components performance standard Part 2-1: Fibre optic connectors terminate	ed on
single-mode fibre for category U - Uncontrolled environment	

Ed 1.00	A4 18p EN	Gr 8
	PDF 18p EN	33.180.20

Contains the minimum requirements and severities which a single-mode connector/cable assembly must satisfy in order to be regarded as meeting category U (uncontrolled environment) of IEC 61753-1.

Am 1(National), 2007-08-31

SANS 61754-4:2002 / IEC 61754-4:2002 (2009-03-27)	
(SABS IEC 61754-4)	
Fibre optic connector interfaces Part 4: Type SC connector family	
Ed 1.02 A4 41p EN PDF 41p EN	Gr 11 33.180.20
Defines the standard interface dimensions for type C family of connectors.Am 1(International), 1999-12-17Am 2(International), 2002-12-20	
SANS 61754-13:2006 / IEC 61754-13:2006 (2012-09-21) (SABS IEC 61754-13)	
Fibre optic connector interfaces Part 13: Type FC-PC connector	
Ed 2.00 A4 15p EN PDF 15p EN	Gr 8 33.180.20
Defines the standard interface dimensions for the type FC-PC family of connector	S.
SANS 61754-18:2002 / IEC 61754-18:2001 (2009-03-27) Fibre optic connector interfaces Part 18: Type MT-RJ connector family	
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN Defines the standard interface dimensions for the type MT-BJ family of connector	33.180.20 s.
,,,,,,,,,	-
SANS 61754-20:2002 / IEC/PAS 61754-20:2001 (2009-03-27) Fibre optic connector interfaces Part 20: Type LC connector family	
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	33.180.20
Defines the standard interface dimensions for the type LC family of connectors	
SANS 61770:2004 / IEC 61770:2004 (2004-08-27) Electric appliances connected to the water mains - Avoidance of backsiphor	nage and failure of hose-sets
Ed 1.01 A4 21p EN	Gr 9
PDF 21p EN	97.040.40; 97.060
Deals with the requirements for the connection of washing machines, dishwashers a water pressure not exceeding 1 Mpa for prevention of backsiphonage of non-poin hose-sets.	s and condensation type tumble dryers to the water mains having table water into the water mains and flooding due to failure of
Am 1(International), 2004-08-27	
SANS 61800-1:1997 / IEC 61800-1:1997 (2013-02-01) (SABS IEC 61800-1)	
Adjustable speed electrical power drive systems Part 1: General requiremen speed d.c. power drive systems	ts - Rating specifications for low voltage adjustable
Ed 1.00 A4 102p EN	Gr 16
PDF 102p EN	29.160.30; 29.200
Applies to general purpose adjustable speed d.c. drive systems which include the Applies to power drive systems (PDS) connected to line voltages up to 1 kV a.c., Am 1(National), 2007-11-30	power conversion, control equipment, and a motor or motors. 50 Hz or 60 Hz.
SANS 61800-2:1998 / IEC 61800-2:1998 (2013-03-15) (SABS IEC 61800-2)	
Adjustable speed electrical power drive systems Part 2: General requiremen frequency a.c. power drive systems	ts - Rating specifications for low voltage adjustable
Ed 1.00 A4 89p EN	Gr 15
PDF 89p EN	29.200
Applies to general purpose adjustable speed a.c. drive systems that include powe Applies to systems connected to line voltages up to 1 kV a.c., 50 Hz or 60 Hz, and Am 1(National), 2007-11-30	er conversion, control equipment, and an a.c. motor or motors. d load side frequency up to 600 Hz.
SANS 61800-3:2005 / IEC 61800-3:2004 (2011-05-20) (SABS IEC 61800-3)	
Adjustable speed electrical power drive systems Part 3: EMC requirements a	and specific test methods
Ed 2.00 A4 116p EN PDF 116p EN	Gr 16 33.100.01
Specifies electromagnetic compatibility (EMC) requirements for power drive syste input or output voltages (or both) (line voltage), up to 35 kV a.c. r.m.s. requiremen residential, commercial and industrial locations.	ms (PDSs). Requirements are given for PDSs with converter ts have been selected so as to ensure EMC for PDSs at

Adjustable speed electrical power drive systems Part 7-204: Generic interface and use of profiles for power drive systems - Profile

NUMERICAL LIST OF STANDARDS

SANS 61800-4:2005 / IEC 61800-4:2002 (2008-12-12)	
Adjustable speed electrical newer drive systems Part 4: (2

Adjustable speed electrical power drive systems Part 4: Ge above 1 000 V a.c. and not exceeding 35 kV	eneral requirements - Rating specifications for a.c. power drive systems
Ed 1.00 A4 111p EN	Gr 16
PDF 111p EN	29.160.30
Applies to adjustable speed a.c. drive systems including power systems above 1 kV up to 35 kV. Does not apply to traction for	r conversion and control equipment. Covers rating specification for power drive railway applications or electrical vehicle drives.
SANS 61800-5-1:2008 / IEC 61800-5-1:2007 Adjustable speed electrical power drive systems Part 5-1:	Safety requirements - Electrical, thermal and energy
Ed 2.00 A4 119p EN	Gr 16
PDF 119p EN	29.160.30
Applies to adjustable speed electric drive systems, including p safety. Applies to d.c. drive systems connected to 1 kV a.c., 50 Hz and 60 Hz and output voltages up to 35 KV. Does not cove	ower conversion, drive control and motors, and covers electrical, thermal and energy 0 Hz or 60 Hz and a.c. drive systems with converter input voltages up to 35 kV, 50 r traction and electrical vehicle drives.
SANS 61800-5-2:2008 / IEC 61800-5-2:2007	
Adjustable speed electrical power drive systems Part 5-2:	Safety requirements - Functional
Ed 1.00 A4 66p EN	Gr 14
PDF 66p EN	13.110; 29.160.30; 29.200
Specifies requirements and makes recommendations for the d systems [PDS(SR)s] in terms of their functional safety conside parts of the SANS 61800 series, and sets out safety-related co	esign and development, integration and validation of safety-related power-drive- rations. Applies to adjustable speed electric drive systems covered by the other onsiderations of PDS in terms of the framework of IEC 61508.
SANS 61800-6:2005 / IEC/TR 61800-6:2003 (2008-12-12)	
Adjustable speed electrical power drive systems Part 6: Geratings	uide for determination of types of load duty and corresponding current
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	29.160.30
Provides alternative methods for specifying ratings for adjustat purposes.	ble speed electrical power drive systems. Does not cover drives for traction
SANS 61800-7-1:2008 / IEC 61800-7-1:2007 Adjustable speed electrical power drive systems Part 7-1: definition	Generic interface and use of profiles for power drive systems - Interface
Ed 1.00 A4 102p EN	Gr 18
PDF 102p EN	29.160.30; 29.200; 35.100.05
Specifies a generic interface between Power Drive System(s) is not specific to any particular communication network techno	(PDS) and the application control program in a controller. The generic PDS interface logy.
SANS 61800-7-201:2008 / IEC 61800-7-201:2007	
Adjustable speed electrical power drive systems Part 7-20 type 1 specification	1: Generic interface and use of profiles for power drive systems - Profile
Ed 1.00 A4 145p EN	Gr 17
PDF 145p EN	29.160.30; 29.200; 35.100.05
Specifies profile type 1 for Power Drive Systems, which can be	e mapped onto different communication network technologies.
CANC 61000 7 000-0000 / IEC 61000 7 000-0007	
Adjustable speed electrical power drive systems Part 7-202 type 2 specification	2: Generic interface and use of profiles for power drive systems - Profile
Ed 1.00 A4 183p EN	Gr 21
PDF 183p EN	29.160.30; 29.200; 35.100.05
Specifies profile type 2 for Power Drive Systems, which can be	e mapped onto different communication network technologies.
SANS 61800-7-203:2008 / IEC 61800-7-203:2007	
Adjustable speed electrical power drive systems Part 7-20 type 3 specification	3: Generic interface and use of profiles for power drive systems - Profile
Ed 1.00 A4 186p EN	Gr 23

PDF 186p EN

type 4 specification Ed 1.00 A4 295p EN

PDF 295p EN

SANS 61800-7-204:2008 / IEC 61800-7-204:2007

Specifies profile type 3 for Power Drive Systems, which can be mapped onto different communication network technologies.

Specifies profile type 4 for Power Drive Systems, which can be mapped onto different communication network technologies.

29.160.30; 29.200; 35.100.05

29.160.30; 29.200; 35.100.05

Gr 22

SANS 61800-7-301:2008 / IEC 61800-7-301:2007 Adjustable speed electrical power drive systems Part 7-301: Generic interfac of profile type 1 to network technologies	e and use of profiles for power drive systems - Mapping
Ed 1.00 A4 138p EN	Gr 17
	29.160.30; 29.200; 35.100.05
Specifies the mapping of profile type 1 onto different network technologies by use	of a generic interface model.
SANS 61800-7-302:2008 / IEC 61800-7-302:2007 Adjustable speed electrical power drive systems Part 7-302: Generic interfac of profile type 2 to network technologies	e and use of profiles for power drive systems - Mapping
Ed 1.00 A4 29p EN	Gr 12
PDF 29p EN	29.160.30; 29.200; 35.100.05
Specifies the mapping of profile type 2 onto different network technologies by use	of a generic interface model.
SANS 61800-7-303:2008 / IEC 61800-7-303:2007 Adjustable speed electrical power drive systems Part 7-303: Generic interfac of profile type 3 to network technologies	e and use of profiles for power drive systems - Mapping
Ed 1.00 A4 104p EN	Gr 21
PDF 104p EN	29.160.30; 29.200; 35.100.05
Specifies the mapping of profile type 3 onto different network technologies by use	of a generic interface model.
SANS 61800-7-304:2008 / IEC 61800-7-304:2007 Adjustable speed electrical power drive systems Part 7-304: Generic interfac of profile type 4 to network technologies	e and use of profiles for power drive systems - Mapping
Ed 1.00 A4 80p EN	Gr 15
	29.160.30; 29.200; 35.100.05
Specifies the mapping of profile type 4 onto different network technologies by use	of a generic interface model.
SANS 61800-8:2013 / IEC/TS 61800-8:2010 Adjustable speed electrical power drive systems Part 8: Specification of volta Ed 1.00 A4 65p EN PDE 65p EN	age on the power interface Gr 14
Dravides guidelines for the determination of veltage on the neuror interface of neur	29.160.30; 29.200
Provides guidelines for the determination of voltage on the power interface of power	er drive systems (FD3 S).
SANS 61850-1:2012 / IEC TR 61850-1:2003	ad evention
Ed 1 00 A4 38b EN	Gr 13
PDF 38p EN	29.240; 33.040.40; 33.200
Applicable to substation automation systems (SAS). Defines the communication b the related system requirements.	etween intelligent electronic devices (IEDs) in the substation and
SANS 61850-2:2012 / IEC TS 61850-2:2003 Communications networks and systems in substations Part 2: Glossary	
Ed 1.00 A4 43p EN	Gr 12
PDF 43p EN	29.240; 33.040.40; 33.200
Applies to Substation Automation Systems (SAS) and defines the communication and the related system requirements.	between intelligent electronic devices (IEDs) in the substation
SANS 61850-3:2012 / IEC 61850-3:2002 Communication networks and systems in substations Part 3: General require	ements
Ed 1.00 A4 18p EN PDF 18p EN	Gr 8
Applies to substation substation subtants (SAS). Defines the communication betw	29.240, 33.040.40, 33.200
the related system requirements.	veen intelligent electronic devices (IEDS) in the substation and
SANS 61850-4:2012 / IEC 61850-4:2011 Communication networks and systems for power utility automation Part 4: S	system and project management
Ed 1.00 A4 37p EN PDF 37p EN	GET 11 29 240: 33 040 40: 33 200
Applies to substation automation systems (SAS). Defines the communication betw the related system requirements.	veen intelligent electronic devices (IEDs) in the substation and

Ed 1.00 A4 132p EN PDF 132p EN	Gr 18 29.240: 33.040.40: 33.200
Applies to Substation Automation Systems (SAS). Standardizes the communicat system requirements.	ion between intelligent electronic devices (IEDs) and the related
SANS 61850-6:2012 / IEC 61850-6:2009	
Communication networks and systems for power utility automation Part 6: electrical substations related to IEDs	Configuration description language for communication in
Ed 1.00 A4 218p EN PDF 218p EN	Gr 20 29.240; 33.040.40; 33.200
Specifies a file format for describing communication-related IED (Intelligent Elect system configurations, switch yard (function) structures, and the relations between	ronic Device) configurations and IED parameters, communication on them.
SANS 61850-7-1:2012 / IEC 61850-7-1:2011	L Pasis communication structure. Bringiples and models
Ed 1.00 A4 133p EN	Gr 26
PDF 133p EN	29.240; 33.040.40; 33.200
Introduces the modelling methods, communication principles, and information me	odels that are used in the parts of IEC 61850-7-x.
SANS 61850-7-2:2012 / IEC 61850-7-2:2010 Communication networks and systems for power utility automation Part 7-2 Abstract communication service interface (ACSI) Ed 1.00 A4 214p EN	2: Basic information and communication structure -
PDF 214p EN	29.240; 33.040.40; 33.200
Applies to the ACSI communication for utility automation.	
SANS 61850-7-3:2012 / IEC 61850-7-3:2010 Communication networks and systems for power utility automation Part 7-5	B: Basic communication structure - Common data classes
Ed 1.00 A4 91p EN	Gr 15
PDF 91p EN	29.240; 33.040.40; 33.200
Specifies common attribute types and common data classes related to substation	n applications.
SANS 61850-7-4:2012 / IEC 61850-7-4:2010 Communication networks and systems for power utility automation Part 7-4 node classes and data object classes Ed 1.00 A4 1820 EN	E: Basic communication structure - Compatible logical
PDF 182p EN	33.040.40; 33.200
Specifies the information model of devices and functions generally related to con automation. Contains the information model of devices and function-related appli	nmon use regarding applications in systems for power utility cations in substations.
SANS 61850-7-410:2012 / IEC 61850-7-410:2007 Communication networks and systems for power utility automation Part 7-4	10: Hydroelectric power plants - Communication for
Ed 1.00 A4 87p EN	Gr 15
PDF 87p EN	27.140; 29.240; 33.040.40; 33.200
Specifies the additional common data classes, logical nodes and data objects re- identical adoption under the designation SANS 61850) in a hydropower plant.	quired for the use of IEC 61850 (published in South Africa as an
SANS 61850-7-420:2012 / IEC 61850-7-420:2009 Communication networks and systems for power utility automation Part 7-4	20: Basic communication structure - Distributed energy
Ed 1.00 A4 100p EN PDF 100p EN	Gr 15 29 240: 33 040 40: 33 200
Defines the IEC 61850 (published in South Africa as an identical adoption under the exchange of information with distributed energy resources (DER), which com devices, including reciprocating engines, fuel cells, microturbines, photovoltaics,	the designation SANS 61850) information models to be used in prise dispersed generation devices and dispersed storage combined heat and power, and energy storage.
SANS 61850-8-1:2012 / IEC 61850-8-1:2011 Communication networks and systems for power utility automation Part 8-1 Mappings to MMS (ISO 9506-1 and ISO 9506-2) and to ISO/IEC 9902 2	: Specific communication service mapping (SCSM) -
Ed 1.00 A4 190p EN	Gr 19
PDF 190p EN	29.240; 33.040.40; 33.200
Specifies a method of exchanging time-critical and non-time-critical data through 3 frames.	local-area networks by mapping ACSI to MMS and ISO/IEC 8802-

Communication networks and systems in substations Part 5: Communication requirements for functions and device models

SANS 61850-5:2012 / IEC 61850-5:2003

NUMERICAL LIST OF STANDARDS

Standards South Africa Catalogue 2013 NUM - 826

SANS 61850-9-1:2012 / IEC 61850-9-1:2003

Ed 1.00 A4 90p EN

PDF 90p EN

Communication networks and systems in substations Part 9-1: over serial unidirectional multidrop point to point link	Specific Communication Service Mapping (SCSM) - Sampled values
Ed 1.00 A4 30p EN	Gr 10
PDF 30p EN	29.240; 33.040.40; 33.200
Specifies the specific communication service mappings for the com serial unidirectional multidrop point to point link in accordance with I designation SANS 60044-8).	munication between bay and process level and it specifies a mapping on a IEC 60044-8 (published in South Africa as an identical adoption under the
SANS 61850-9-2:2012 / IEC 61850-9-2:2011	
Communication networks and systems for power utility automa Sampled values over ISO/IEC 8802-3	ation Part 9-2: Specific communication service mapping (SCSM) -
Ed 1.00 A4 33p EN	Gr 11
	33.040.40; 33.200
61850-7-2 (published in South Africa as an identical adoption under	e transmission of sampled values according to the abstract specification in IEC the designation SANS 61850-7-2).
SANS 61850-10:2012 / IEC 61850-9-2:2005	
Communication networks and systems in substations Part 10:	Conformance testing
Ed 1.00 A4 44p EN PDF 44p EN	Gr 12 20 240: 22 040 40: 22 200
Specifical standard techniques for testing of conformance of implem	29.240, 55.040.40, 55.200
declaring performance parameters.	rentations, as well as specific measurement techniques to be applied when
SANS 61850-80-1:2012 / IEC/TS 61850-80-1:2008	
Communication networks and systems for power utility automa based data model using IEC 60870-5-101 or IEC 60870-5-104	ation Part 80-1: Guideline to exchanging information from a CDC-
Ed 1.00 A4 138p EN	Gr 17
PDF 138p EN	29.240; 33.040.40; 33.200
Gives a guideline on how to exchange information from a CDC-base identical adoption under the designation SANS 61850)) using IEC 6	ed data model (for example IEC 61850 (published in South Africa as an i0870-5-101 or IEC 60870-5-104 between substation(s) and control centre(s).
SANS 61850-90-1:2012 / IEC/TR 61850-90-1:2010 Communication networks and systems for power utility automa substations	ation Part 90-1: Use of IEC 61850 for the communication between
Ed 1.00 A4 80p EN	Gr 14
PDF 80p EN	29.240; 33.040.40; 33.200
Provides a comprehensive overview on the different aspects that ne identical adoption under the designation SANS 61850) for information	eed to be considered while using IEC 61850 (published in South Africa as an on exchange between substations.
SANS 61914:2009 / IEC 61914:2009 Cable cleats for electrical installations	
Ed 1.00 A4 29p EN	Gr 10
PDF 29p EN	29.120.10
Specifies requirements and tests for cable cleats and intermediate r resistance to electromechanical forces where declared.	restraints used for securing cable in electrical installations. Cable cleats provide
SANS 61930:2004 / IEC/TR 61930:1998 (2009-08-28) Fibre optic graphical symbology	
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	01.080.40; 33.180.01
Specifies uniform graphical symbols used in IEC publications that d	leal with fibre optics and various fibre optic elements and devices.
SANS 61931:2004 / IEC/TR 61931:1998 (2009-08-28) Fibre optic - Terminology	
Ed 1.00 A4 85p EN	Gr 15
PDF 85p EN	01.040.33; 33.180.01
Provides terminology for the various fibre optic elements, devices as	nd systems.
SANS 61936-1:2008 / IEC 61936-1:2002 Power installations exceeding 1 kV a.c. Part 1: Common rules	

Provides, in a convenient form, common rules for the design and the erection of electrical power installations in systems with nominal voltages above 1 kV a.c. and nominal frequency up to and including 60 Hz, so as to provide safety and proper functioning for the use intended.

Gr 15

29.240.01

SANS 6 Saw tab	1939:2004 / IEC 61939:2000 (2008-12-12) les for use as saw benches - Tables for hand- nente	held circular saws with a maximum saw-blade diameter of 315 mm - Safety
		Cr 9
Eu 1.00	PDF 16p EN	25.140.20
Deals wi	th tables for hand-held circular saws with a maxir	num saw-blade diameter of 315 mm for use as circular saw benches.
SANS 6	1952:2008 / IEC 61952:2008	
Insulato Definitio	rs for overhead lines - Composite line post in ons, test methods and acceptance criteria	sulators for A.C. systems with a nominal voltage greater than 1 000 V -
Ed 2.00	A4 28p EN	Gr 10
	PDF 28p EN	29.080.10
Applies I based m	to composite line post insulators consisting of a lo atrix, a housing (outside the insulating core) mad	bad-bearing cylindrical insulating solid core consisting of fibres - usually glass - in a resin- le of polymeric material and end fittings permanently attached to the insulating core.
SANS 6	1959:2005 / IEC 61959:2004 (2008-12-12)	
Seconda	ary cells and batteries containing alkaline or o	ther non-acid electrolytes - Mechanical tests for sealed portable secondary
	A4 10p EN	Gr 6
Lu 1.00	PDF 10p EN	29 220 30
Provides different	test objectives, methods of test and acceptance electrochemical systems (Ni-Cd, Ni-MH and Lithi	criteria for the mechanical behaviour of sealed portable secondary cells and batteries of ium) sizes and shapes (cylindrical, prismatic and button).
SANS 6	1960:2012 / IEC 61960:2011	
Seconda applicat	ary cells and batteries containing alkaline or o ions	other non-acid electrolytes - Secondary lithium cells and batteries for portable
Ed 2.00	A4 18p EN	Gr 8
	PDF 18p EN	29.220.30
Specifies portable	s performance tests, designations, markings, dim applications.	ensions and other requirements for secondary lithium single cells and batteries for
SANS 6 ⁻ Applicat	1968-9:2011 / IEC 61968-9:2009 tion integration at electric utilities - System int	terfaces for distribution management Part 9: Interfaces for meter reading and
	44 258n EN	Gr 23
Lu 1.00	PDF 258p EN	33.200: 35.240.60
Specifies and cont switching	s the information content of a set of message type rol. Typical uses of the message types include m g.	es that can be used to support many of the business functions related to meter reading leter reading, meter control, meter events, customer data synchronization and customer
SANS 6	1982:2013 / IEC 61982:2012	
Second	ary batteries (except lithium) for the propulsio	n of electric road vehicles - Performance and endurance tests
Ed 1.00		Gr 11
Applicab	le to performance and endurance tests for secon	29.220.20 dary batteries used for vehicle propulsion applications.
SANS 6	1982-1:2008 / IEC 61982-1:2006	
Second	ary batteries for the propulsion of electric road	d vehicles Part 1: Test parameters
Ed 1.00	A4 13p EN	Gr 7
	PDF 13p EN	29.220.20
Specifies monoblo	s the values of the various parameters such as vors and modules used for the propulsion of electri	bltage, current, power and temperature to be used in the testing of battery cells, c road vehicles. Also defines certain test conditions and procedures.
SANS 6	1982-2:2003 / IEC 61982-2:2002 (2008-12-12)	
Seconda test	ary batteries for the propulsion of electric road	d vehicles Part 2: Dynamic discharge performance test and dynamic endurance
Ed 1.00	A4 12p EN	Gr 7
-	PDF 12p EN	29.220.20
o		

Specifies tests and requirements for capacity and endurance tests for secondary batteries used for vehicle propulsion applications. Specifies certain essential characteristics of cells and batteries used for propulsion of electric road vehicles together with the relevant test methods for their specification.

SANS 61982-3:2001 / IEC 61982-3:2001 (2008-12-12) (SABS IEC 61982-3)

Applies to devices for the connection of luminaires (DCL) 250 V, 6 A a to final circuits rated not more than 16 A, without providing mechanica	a.c. intended for household and similar purposes, for the electrical connect I support for the luminaire.
SANS 62000:2010 / IEC/TR 62000:2005 Single-mode fibre compatibility guidelines Ed 1.00 A4 10p EN PDF 10p EN	Gr 6 33.180.10
Provides guidelines indicating the items that should be taken into according fibres of the same type and single-mode fibres of different types.	ount when planning to connect different implementations of single-mode
SANS 62005-1:2002 / IEC 62005-1:2001 (2009-03-27) Reliability of fibre optic interconnecting devices and passive com Ed 1.00 A4 18p EN PDF 18p EN	nponents Part 1: Introductory guide and definitions Gr 8 33.180.20
Is a guide for assessing the reliability interconnecting devices and pas	sive components.
SANS 62031:2008 / IEC 62031:2008 LED modules for general lighting - Safety specifications Ed 1.00 A4 17p EN PDF 17p EN Specifies general and safety requirements for light-emitting diode (LED under constant voltage, constant current or constant power, and self-b up to 1 000 V at 50 Hz or 60 Hz.	Gr 8 29.140.99 D) modules, i.e. LED modules without integral control gear for operation vallasted LED modules for use on d.c. supplies up to 250 V or a.c. suppli
SANS 62033:2000 / IEC/TS 62033:2000 (2013-03-01) (SABS IEC TS 62033) Attenuation uniformity in optical fibres Ed 1.00 A4 9p EN PDF 9p EN	Gr 6 33.180.10
Indicates the fundamental definitions for attenuation uniformity and ou backscattering measurements. Am 1(National), 2007-09-21	tlines the algorithms used to compute attenuation uniformity values from
SANS 62034:2008 Automatic test systems for battery powered emergency escape lig Ed 1.00 A4 24p EN PDF 24p EN	ghting Gr 10 29.140.40; 29.140.50; 91.160.10

Is applicable to performance and life testing of electrical energy storage systems for general purpose, traffic compatible, light urban use electric road vehicles that are designed for transportation of passengers or goods in city centre driving. Am 1(National), 2007-08-31

Secondary batteries for the propulsion of electric road vehicles Part 3: Performance and life testing (traffic compatible, urban use

SANS 61995-1:2006 / IEC 61995-1:2005 (2011-03-04)

Devices for the connection of luminaires for household and similar purposes Part 1: General requirements

Ed 1.00 A4 63p EN PDF 63p EN

Applies to devices for the connection of luminaires intended for household and similar purposes, for the electrical connection of fixed luminaires to final circuits rated at not more than 16 A without providing mechanical support for the luminaire. The rated voltage is 125 V or 250 V at 50/60 Hz.

SANS 61995-2:2010 / IEC 61995-2:2009

Devices for the connection of luminaires for household	and similar purposes Part 2: Standard sheets for DCL
Ed 1.00 A4 12p EN	Gr 7

d	1.00	A4 12p EN
		PDF 12p EN

vehicles)

Ed 1.00 A4 16p EN

PDF 16p EN

Specifies the basic performance and safety requirements for individual products and components that are incorporated into automatic test systems for use with emergency lighting systems on supply voltages not exceeding 1000 V. Also applicable to testing systems consisting of a number of

emergency lighting self-contained luminaires or a central battery with associated emergency lighting luminaires.

IEC 62034:2006, MOD

29.220.20

Gr 8

Gr 14 29,140,99

29.120.20; 29.140.40

SANS 62035:2003 / IEC 62035:2003 (2008-12-12) (SABS IEC 62035) Discharge lamps (excluding fluorescent lamps) - Safety specifications Ed 1.01 A4 38p EN Gr 11 PDF 38p EN 29,140,30 Specifies the safety requirements for discharge lamps (excluding fluorescent lamps) for general lighting purposes. This International Standard is applicable to low-pressure sodium vapour lamps and to high-intensity discharge (HID) lamps, i.e. high-pressure mercury vapour lamps (including blended lamps), high-pressure sodium vapour lamps and metal halide lamps. It applies to single- and double-capped lamps. Am 1(National), 2003-11-14 SANS 62040-1:2008 / IEC 62040-1:2008 Uninterruptible power systems (UPS) Part 1: General and safety requirements for UPS Ed 1.00 A4 62p EN Gr 14 PDF 62p EN 29.200 Applies to uninterruptible power systems (UPS) with an electrical energy storage device in the d.c. link. Cor 1(International), 2008-09-26 SANS 62040-2:2007 / IEC 62040-2:2005 (2013-03-15) (SABS IEC 62040-2) Uninterruptible power systems (UPS) Part 2: Electromagnetic compatibility (EMC) requirements Ed 2.00 A4 41p EN Gr 12 PDF 41p EN 33.100.01 Applies to UPS units intended to be installed as a unit or in UPS systems comprising a number of interconnected UPS and associated control/switchgear forming a single power system, and in any operator accessible area or in separated electrical locations, connected to lowvoltage supply networks for either industrial or residential, commercial and light industrial environments. SANS 62040-3:2012 / IEC 62040-3:2011 (SABS IEC 62040-3) Uninterruptible power systems (UPS) Part 3: Method of specifying the performance and test requirements Ed 2.00 A4 104p EN Gr 16 PDF 104p EN 29.200 Applies to movable, stationary and fixed electronic uninterruptible power systems (UPS) that deliver single or three-phase fixed frequency a.c. output voltage not exceeding 1000 V a.c. and that incorporate an energy storage system, generally connected through a d.c. link. SANS 62051:1999 / IEC 62051:1999 (2012-04-26) (SABS IEC 62051) Electricity metering - Glossary of terms Ed 1.00 A4 59p EN Gr 14 PDF 59p EN 01.040.29; 91.140.50 Provides definitions of specific terms that may be used for drafting standards for electrical energy measurement, tariff and load control, and customer/utility information exchange systems. Incorporates specific terms used in present and future standards on electricity prepayment systems, and specific terms concerning the dependability of electricity metering equipment. Am 1(National), 2006-09-01 SANS 62051-1:2005 / IEC TR 62051-1:2004 (2012-05-10) Electricity metering - Data exchange for meter reading, tariff and load control - Glossary of terms Part 1: Terms related to data exchange with metering equipment using DLMS/COSEM Ed 1.00 A4 32p EN Gr 11 PDF 32p EN 01.040.91; 91.140.50 Reflects terms related to data exchange with metering equipment for meter reading and tariff and load control. Cor 1(International), 2006-04-21 SANS 62052-11:2003 / IEC 62052-11:2003 (2013-03-01) Electricity metering equipment (a.c.) - General requirements, tests and test conditions Part 11: Metering equipment Ed 1.00 A4 45p EN Gr 12 PDF 45p EN 17.220.20 Covers type tests for electricity metering equipment for indoor and outdoor application and applies to newly manufactured equipment designed to measure the electrical energy on 50 Hz or 60 Hz networks, with a voltage up to 600 V. SANS 62053-11:2003 / IEC 62053-11:2003 (2013-03-01) Electricity metering equipment (a.c.) - Particular requirements Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2) Ed 1.00 A4 16p EN Gr 8 PDF 16p EN 91,140,50 Applies to newly manufactured electromechanical watt-hour meters of accuracy classes 0,5, 1 and 2, for the measurement of alternating current electrical active energy in 50 Hz networks. Applies to their type tests only.

SANS 62053-21:2003 / IEC 62053-21:2003 Electricity metering equipment (a.c.) - Particular requirements Part 21: Static meters for active energy (classes 1 and 2)

PDF 23p EN 91.140.50 Applies to newly manufactured static watt-hour meters of accuracy classes 1 and 2, for the measurement of alternating current electrical active energy in 50 Hz or 60 Hz networks. Applies to their type tests only.

SANS 62053-22:2003 / IEC 62053-22:2003 (2013-03-15)

Electricity metering equipment (a.c.) - Particular requirements Part 22: Static meters for active energy (classes 0,2 S and 0,5 S) Ed 1.00 A4 17p EN Gr 8 PDF 17p EN 91.140.50

Applies to newly manufactured static watt-hour meters of accuracy classes 0,2 S and 0,5 S, for the measurement of alternating current electrical active energy in 50 Hz or 60 Hz networks. Applies to their type tests only.

SANS 62053-23:2003 / IEC 62053-23:2003 (2013-03-15)

Electricity metering equipment (a.c) - Pa	articular requirements Part 23: Static meters for reactive energy (classes 2 and 3)
Ed 1.00 A4 19p EN	Gr 9

PDF 19p EN

Ed 1.00 A4 23p EN

Applies to newly manufactured static var-hour meters of accuracy classes 2 and 3, for the measurement of alternating current electrical reactive energy in 50 Hz or 60 Hz networks. Applies to their type tests only.

SANS 62053-52:2006 / IEC 62053-52:2005 (2013-03-15)

Electricity metering equipment (AC) - Particular requirements Part 52: Symbols

Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	91.140.50

Applies to letter and graphical symbols intended for marking on and identifying the function of electromechanical or static a.c. electricity meters and their auxiliary devices. The symbols specified shall be marked on the name-plate, dial plate, external labels or accessories, or shown on the display of the meter as appropriate.

SANS 62055-21:2006 / IEC 62055-21:2005 (2013-03-01)
Electricity metering - Payment systems Part 21: Framework for standardization

		0	2	
Ed 1.00	A4 108p	EN		Gr 15
	PDF 108	p EN		17.220.20: 91.140.50

Sets out a framework for the integration of standards into a system specification for electricity payment metering systems. Addresses the payment metering system application process, generic processes, generic functions, data elements, system entities and interfaces that exist in present payment metering systems. The approach taken in the framework is sufficiently generic to payment metering systems so that it should be equally applicable to future systems.

SANS 62055-31:2006 / IEC 62055-31:2005 (2008-03-14)

Electricit	ty metering - Payment systems Part 31: Particular requirements - S	tatic payment meters for active energy (classes 1 and 2)
Ed 1.00	A4 63p EN	Gr 14
	PDF 63p EN	91.140.50

Applies to newly manufactured, static watt-hour payment meters of accuracy classes 1 and 2 for direct connection, for the measurement of alternating current electrical energy consumption of a frequency in the range 45 Hz to 65 Hz that include a load switch for the purpose of interruption or restoration of the electricity supply to the load in accordance with the current value of the available credit maintained in the payment meter.

Cor 1(International), 2008-03-14

SANS 62055-41:2007 / IEC 62055-41:2007 (2013-03-01) Electricity metering - Payment systems Part 41: Standard transfer specification (STS) - Application layer protocol for one-way token

carrier systems

Ed 1.00 A4 104p EN PDF 104p EN

Specifies the application layer protocol of the standard transfer specification (STS) for transferring units of credit and other management information from a point-of-sale (POS) system to an STS-compliant payment meter in a one-way token carrier system. Primarily intended for application with electricity payment meters without tariff employing energy-based tokens, but may also have application with currency-based token systems and for services other than electricity

SANS 62055-51:2007 / IEC 62055-51:2007 (2013-03-01)

Electricity metering - Payment systems Part 51: Standard transfer specification (STS) - Physical layer protocol for one-way numeric and magnetic card token carriers F

Ed 1.00	A4 23p EN	Gr 9
	PDF 23p EN	35.100.10; 91.140.50

Specifies a physical layer protocol of the standard transfer specification (STS) for transferring units of credit and other management information between a point-of-sale (POS) system and an STS-compliant electricity payment meter.

Gr 15

35.100.70: 91.140.50

Gr 9 91,140,50

Gr 10

SANS 62055-52:2009 / IEC 62055-52:2008 Electricity metering - Payment systems Part 52: Standard transfer specificati token carrier for direct local connection	on (STS) - Physical layer protocol for a two-way virtual
Ed 1.00 A4 52p EN	Gr 13
PDF 52p EN	17.220.20; 35.100.20; 91.140.50
Specifies a physical layer protocol of the Standard Transfer Specification for trans- between a client (typically a hand held unit) and a server (an STS-compliant electr	ferring units of credit and other management information icity payment meter), typically over a direct local connection.
SANS 62056-21:2003 / IEC 62056-21:2002 (2009-08-21) Electricity metering - Data exchange for meter reading, tariff and load contro	I Part 21: Direct local data exchange
Ed 1.00 A4 70p EN PDF 70p EN	Gr 14 35 240 60: 91 140 50
Describes hardware and protocol specifications for local meter data exchange. In s functions is connected to a tariff device or a group of devices.	such systems, a hand-held unit (HHU) or a unit with equivalent
SANS 62058-11:2011 / IEC 62058-11:2008	
Electricity metering equipment (AC) - Acceptance inspection Part 11: Genera	Cr 15
PDF 81p EN	17 220: 91 140 50
Describes acceptance inspection methods of newly manufactured electricity meter	rs produced and supplied in lots of 50 and above.
SANS 62058-21:2011 / IEC 62058-21:2008 Electricity metering equipment (AC) - Acceptance inspection Part 21: Particu energy (classes 0.5, 1 and 2)	lar requirements for electromechanical meters for active
Ed 1.00 A4 16p EN	Gr 8
PDF 16p EN	17.220; 91.140.50
Specifies particular requirements for acceptance inspection of newly manufactured meters for active energy (classes 0,5, 1 and 2) delivered in lots in quantities above	d direct connected or transformer operated electromechanical 50.
SANS 62058-31:2011 / IEC 62058-31:2008 Electricity metering equipment (AC) - Acceptance inspection Part 31: Particu (classes 0,2 S, 0,5 S, 1 and 2)	lar requirements for static meters for active energy
Ed 1.00 A4 15p EN	Gr 8
Specifies particular requirements for acceptance inspection of newly manufactured active energy (classes 0.2 S, 0.5 S, 1 and 2) delivered in lots in quantities above 5	d direct connected or transformer operated static meters for
SANS 62059-31-1:2011 / IEC 62059-31-1:2008	
Electricity metering equipment - Dependability Part 31-1: Accelerated reliabil	ity testing - Elevated temperature and humidity
Ed 1.00 A4 87p EN	Gr 16
Provides one of several possible methods for estimating product life characteristic	91.140.50
Cor 1(International), 2011-02-11	s by accolorated reliability resultig.
SANS 62060:2002 / IEC/TR 62060:2001 (2008-12-12)	
Ed 1 00 A4 40p EN	Gr 11
PDF 40p EN	29.220.20
Is applicable to lead-acid vented and valve regulated batteries, for use in stationar assist users in the selection of methods to obtain sufficient information to indicate achieve this by describing characteristics that can be electrically measured and re and reliability of the measured data and to provide the user with methods of interp general guidelines.	y battery applications. The object of this technical report is to the state of health of an operating stationary lead-acid battery; to motely interrogated on a regular basis; to indicate the sensitivity retation; to provide users with good operating characteristics and
SANS 62073:2006 / IEC TS 62073:2003 (2009-08-21) Guidance on the measurement of wettability of insulator surfaces	
Ed 1.00 A4 22p EN	Gr 9
PDF 22p EN	29.080.10
Describes three methods that can be used for the measurement of the wettability overhead lines, substations and equipment or ceramic insulators covered or not covertability at the time of the measurement.	of the shed and housing material of composite insulators for overed by a coating. The obtained value represents the
SANS 62087:2010 / IEC 62087:2008	
Methods of measurement for the power consumption of audio, video and rel	ated equipment

d 1.00	A4 38p EN	Gr 12
	PDF 38p EN	33.140; 33.160.10

Specifies methods of measurement for the power consumption of television sets, video recording equipment, Set Top Boxes (STBs), audio equipment and multi-function equipment for consumer use.

Standards South Africa Catalogue 2013 NUM - 832

SANS 62099:2002 / IEC 62099:2001 (2009-03-27) Fibre optic wavelength switches - Generic specification	
Ed 1.00 A4 31p EN	Gr 11
PDF 31p EN	33.180.20
Applies to fibre optic wavelength switches, and establishes uniform requirements for assessment procedures.	or fibre optic wavelength switch requirements and quality
SANS 62103:2005 / IEC 62103:2003 (2011-03-25) Electronic equipment for use in power installations	
Ed 1.00 A4 146p EN	Gr 17
FDF 140µ EN	31.020
necessary.	
SANS 62104:2003 / IEC 62104:2003 (2010-03-26) (SABS IEC 62104)	
Characteristics of DAB receivers	
Ed 2.00 A4 29p EN PDF 29p EN	Gr 10
Describes the DAB (Digital Audio Broadcasting) receiver characteristics for consur operating in band III and L-band and for satellite reception in L-band.	ner equipment intended for terrestrial and cable reception
SANS 62105:1999 / IEC 62105:1999 (2012-12-14)	
Digital audio broadcast system - Specification of the receiver data interface (RDI)
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	33.170
Provides a basic approach to the requirements that have to be fulfilled when a com Interface (RDI). Am 1(National), 2007-07-20	nmon interface is provided in order to specify the Receiver Data
SANS 62106:2009 / IEC 62106:2009	
(SABS IEC 62106)	
Specification of the Radio Data System (RDS) for VHF/FM sound broadcastin	ig in the frequency range from 87,5 to 108,0 MHz
PDF 156p EN	33.170
The radio data system (RDS) is intended for application to VHF/FM sound broadca stereophonic (pilot-tone system) or monophonic programmes.	asts in the range 87,5 MHz to 108,0 MHz which may carry either
SANS 62109-1:2012 / IEC 62109-1:2010	
Safety of power converters for use in photovoltaic power systems - Part 1: G	eneral requirements
Ed 1.00 A4 151p EN PDF 151p EN	Gr 18 27 160: 29 200
Applies to the power conversion equipment (PCE) for use in photovoltaic (PV) syst necessary. Defines the minimum requirements for the design and manufacture of mechanical and other bazards. Provides general requirements applicable to all two	tems where a uniform technical level with respect to safety is PCE for protection against electric shock, energy, fire, les of PV PCE
SANS 62110:2009 / IEC 62110:2009	
Electric and magnetic field levels generated by AC power systems - Measure	ment procedures with regard to public exposure
Ed 1.00 A4 51p EN	Gr 18
FDI STPLIN	17.220.20; 29.240
human body to these fields. Is applicable to public exposure in the domestic enviro	onment and in areas accessible to the public.
SANS 62115:2005 / IEC 62115:2004 Electric toys - Safety	
Ed 1.01 A4 37p EN PDF 37p EN	Gr 11 97 200 50
Deals with the safety of toys that have at least one function dependent on electricit Am 1(International), 2005-06-03	ty.
SANS 62129:2008 / IEC 62129:2006	
Calibration of optical spectrum analyzers	
Ed 1.00 A4 52p EN PDF 52p EN	Gr 13 17.180.30
Provides procedures for calibrating an optical spectrum analyzer designed to meas an input port for use with a fibre-optic connector.	sure the power distribution of an optical spectrum. Equipped with

Standards South Africa Catalogue 2013 NUM - 833

Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary

PDF 20p EN	29.220.30
Specifies requirements and tests for the safe operat other non-acid electrolyte.	ions of portable sealed secondary cells and batteries (other than button) containing alkaline or
SANS 62151:2003 / IEC 62151:2000 (2008-12-12) Safety of equipment electrically connected to a to	elecommunication network
Ed 1.00 A4 36p EN	Gr 12
PDF 36p EN	33.020; 35.020
Is applicable to equipment designed and intended to intended for the enhancement of product safetey sta telecommunication network	be connected directly to a telecommunication netword, regardless of the source of power. Is indards so as to cover hazards associated only with connection of equipment to a

ower. Is telecommunication network. Cor 1(International), 2003-03-14 Cor 2(International), 2003-03-14

SANS 62155:2003 / IEC 62155:2003 (2009-08-21)

SANS 62133:2005 / IEC 62133:2002 (2010-06-25)

cells, and for batteries made from them, for use in portable applications

Hollow pressurized and unpressurized ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1000 V Gr 12

Ed 1.00 A4 48p EN PDF 48p EN

Ed 1.00 A4 20p EN

Applies to - ceramic and glass hollow insulators intended for general use in electrical equipment and - ceramic hollow insulators intended for use with a permanent gas pressure in switchgear and controlgear. These insulators are intended for indoor and outdoor use in electrical equipment, operating on alternating current with a rated voltage greater than 1 000 V and a frequency not greater than 100 Hz or for use in direct-current equipment with a rated voltage of greater than 1 500 V.

SANS 62193:2006 / IEC 62193:2003 (2010-06-04)

Live working - Telescopic sticks and telescopic measuring sticks

Ed 1.00	A4 31p EN	Gr 1	1
	PDF 31p EN	13.26	30

Covers telescopic sticks and telescopic measuring sticks to be used for live working on a.c. or d.c. electrical installations at 1 000 V and above for a.c. and 1 500 V and above for d.c.

SANS 62208:2012 / IEC 62208:2011

Empty enclosures for low-voltage switchgear and controlgear assemblies- General requirements

Ed 2.00	A4 23p EN	Gr 10
	PDF 23p EN	29.130.20

Specifies definitions, classifications, characteristics and test requirements of enclosures to be used as part of switchgear and controlgear assemblies (e.g. in accordance with the IEC 60439 series)(IEC 60439-1, IEC 60439-2, IEC 60439-3, IEC 60439-4 and IEC 60439-5 have been published in South Africa as identical adoptions under the designations SANS 60439-1, SANS 60439-2, SANS 60439-3, SANS 60439-4 and SANS 60439-5), the rated voltage of which does not exceed 1 000 V a.c. or 1 500 V d.c. and suitable for general use for either indoor or outdoor applications.

SANS 62209-1:2006 / IEC 62209-1:2005 (2011-02-11)

Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures Part 1: Procedure to determine the specific absorption rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)

Ed 1.00 A4 109p EN PDF 109p EN

Applies to any electromagnetic field (EMF) transmitting device intended to be used with the radiating part of the device in close proximity to the human head and held against the ear, including mobile phones and cordless phones. Specifies the measurement method for demonstration of compliance with the specific absorption rate (SAR) limits for such devices.

SANS 62217:2013 / IEC 62217:2012

Polymeric HV insulators for indoor and outdoor use - General definitions, test methods and acceptance criteria

Ed 2.00 A4 27p EN PDF 27p EN

Applies to polymeric insulators whose insulating body consists of one or various organic materials. Polymeric insulators covered by this standard include both solid core and hollow insulators. They are intended for use on overhead lines and in indoor and outdoor equipment with a rated voltage greater than 1 000 V.

SANS 62221:2002 / IEC/TR 62221:2001 (2009-03-27) Optical fibres - Measurement methods - Microbending set	nsitivity
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	33.180.01

Describes four techniques for the measurement of microbending sensitivity of optical fibre.

Gr 9

Gr 18

Gr 10

29.080.10

33.050.10

29.080.10

each type of toot equipment.	
SANS 62231:2006 / IEC 62231:2006 (2011-09-16) Composite station post insulators for substations acceptance criteria	with a.c. voltages greater than 1000 V up to 245 kV - Definitions, test methods and
Ed 1.00 A4 37p EN	Gr 11
PDF 37p EN	29.080.10
Defines the terms used, prescribes test methods and a insulating solid core type intended for use in substation	acceptance criteria for composite station post insulators of a load bearing cylindrical is with a.c. voltages greater than 1 000 V up to 245 kV.
SANS 62233:2006 / IEC 62233:2005 (2011-02-11) Measurement methods for electromagnetic fields o	of household appliances and similar apparatus with regard to human exposure
Ed 1.00 A4 46p EN	Gr 12
PDF 46p EN	97.030
Defines methods for evaluating the electric field streng similar electrical appliances. Includes conditions during	th and magnetic flux density of electromagnetic fields up to 300 GHz around household and g testing as well as measuring distances and positions.
SANS 62259:2005 / IEC 62259:2003 (2010-06-25) Secondary cells and batteries containing alkaline o with partial gas recombination	or other non-acid electrolytes - Nickel-cadmium prismatic secondary single cells
Ed 1.00 A4 19p EN	Gr 9
PDF 19p EN	29.220.30
Specifies marking, designation, dimensions, tests and provisions have been made in order to have partial or,	requirements for vented nickel-cadmium prismatic secondary single cells where special under very specific conditions, full gas recombination.
SANS 62262:2004 / IEC 62262:2002 (2009-03-27)	
Degrees of protection provided by enclosures for e	ectrical equipment against external mechanical impacts (IK code)
Ed 1.00 A4 9p EN	Gr 6
PDF 9p EN	29.020
Refers to the classification of the degrees of protection protected equipment is not greater than 72,5 kV. It will protection of the enclosure against mechanical impacts	Provided by enclosures against external mechanical impacts when the rated voltage of the I only apply to enclosures of equipment where the specific standard establishes degrees of s (expressed in this standard as "impacts")

Ed 1.00 A4 58p EN Gr 19 PDF 58p EN 13.280; 17.220.20 Introduces the coupling factor K, to enable exposure assessment for complex exposure situations, such as non-uniform magnetic field or perturbed electric field.

internal electric field induced in the human body Part 2-1: Exposure to magnetic fields - 2D models

SANS 62230:2007 / IEC 62230:2006 Electric

Specifies cifies the operatio edures for each typ

acceptance criteria	
Ed 1.00 A4 37p EN	Gr 11
PDF 37p EN	29.080.10
Defines the terms used, prescribes test methods and acceptance criteria for composite station post insulators of a load bearing cylindrical insulating solid core type intended for use in substations with a.c. voltages greater than 1 000 V up to 245 kV.	
SANS 62233:2006 / IEC 62233:2005 (2011-02-11) Measurement methods for electromagnetic field:	s of household appliances and similar apparatus with regard to human exposure

Secondary cell

SANS 62271-1:2012 / IEC 62271-1:2011 High-voltage switchgear and controlgear Part 1: Common specifications Ed 1.01 A4 124p EN Gr 16 PDF 124p EN 29.130.10; 29.130.99

Applies to a.c. switchgear and controlgear designed for indoor and outdoor installation and for operation at service frequencies up to and including 60 Hz on systems having voltages above 1 000 V. Am 1(National), 2012-03-30

> Standards South Africa Catalogue 2013 NUM - 835

Gr 9 01.040.29; 29.080.10

13.280; 17.220.20

Specifies terms defined in standards that fall under the scope of technical committee TC 36: Insulators. Covers terms that can be found in IEC 60050-471 as well as terms not appropriate for inclusion in IEC 60050-471 but used widely in the standards of IEC TC 36.

NUMERICAL LIST OF STANDARDS

SANS 62226-1:2006 / IEC 62226-1:2004 (2011-02-11)

Exposure to electric or magnetic fields in the low and intermediate frequency range - Methods for calculating the current density and internal electric field induced in the human body Part 1: General Ed 1.00 A4 16p EN Gr 8

PDF 16p EN

Ed 1.00 A4 19p EN

SANS 62223:2010 / IEC 62223:2009

PDF 19p EN

Insulators - Glossary of terms and definitions

Provides means for demonstrating compliance with basic restrictions on human exposure to low and intermediate frequency electric and magnetic fields specified in exposure standards or guidelines.

SANS 62226-2-1:2006 / IEC 62226-2-1:2004 (2011-02-11) Exposure to electric or magnetic fields in the low and intermediate frequency range - Methods for calculating the current density and

Electric cables - Spark-test method	
Ed 1.00 A4 20p EN PDF 20p EN	Gr 9 29.060.20
Specifies a spark test method intended for the detecti operational requirements for the spark test equipment each type of test equipment.	on of defects in the insulation or sheathing of electric cables. The standard also spect, as well as the principal characteristics, functional parameters and calibration proce
SANS 62231:2006 / IEC 62231:2006 (2011-09-16) Composite station post insulators for substations acceptance criteria	with a.c. voltages greater than 1000 V up to 245 kV - Definitions, test methods
Ed 1.00 A4 37p EN PDF 37p EN	Gr 11 29.080.10
Defines the terms used, prescribes test methods and insulating solid core type intended for use in substatic	acceptance criteria for composite station post insulators of a load bearing cylindrica ons with a.c. voltages greater than 1 000 V up to 245 kV.
SANS 62233:2006 / IEC 62233:2005 (2011-02-11) Measurement methods for electromagnetic fields	of household appliances and similar apparatus with regard to human exposur

SANS 62259:20

High-voltage switchgear and controlgear Part 3: Digital interfaces based on	IEC 61850
Ed 1.00 A4 47p EN	Gr 12
PDF 47p EN	29.130.10
Applicable to high-voltage switchgear and controlgear and assemblies thereof and the substation and its impact on testing. This equipment for digital communication voltage switchgear, controlgear, and assemblies thereof, or can be an external ec and controlgear and assemblies thereof with the standards of the IEC 61850 series	d specifies equipment for digital communication with other parts of n, replacing metal parallel wiring, can be integrated into the high- quipment in order to provide compliance for existing switchgear es.
SANS 62271-100:2009 / IEC 62271-100:2008 (SABS IEC 62271-100)	
High-voltage switchgear and controlgear Part 100: Alternating-current circu	it-breakers
Ed 2.00 A4 338p EN	Gr 23
PDF 338p EN	29.130.10
Applicable to a.c. circuit-breakers designed for indoor or outdoor installation and f having voltages above 1 000 V.	or operation at frequencies of 50 Hz and 60 Hz on systems
SANS 62271-101:2011 / IEC 62271-101:2010	
High-voltage switchgear and controlgear Part 101: Synthetic testing	
Ed 1.01 A4 154p EN	Gr 19
PDF 154p EN	29.130.10
Provides the general rules for testing a.c. circuit-breakers, for making and breakin Am 1(International), 2011-03-31	ng capacities by synthetic methods.
SANS 62271-102-2003 / IEC 62271-102-2001 (2005-11-21)	
High-voltage switchgear and controlgear Part 102: Alternating current disco	nnectors and earthing switches
Ed 1.00 A4 90p EN	Gr 15
PDF 90p EN	29.130.10
Applies to alternating current disconnectors and earthing switches, designed for in	ndoor and outdoor enclosed and open terminal installations for
voltages above 1 000 v and for service frequencies up to and including 60 Hz.	
Cor 1(International), 2003-07-11Cor 2(International), 2003-09-12	Cor 3(International), 2005-11-21
Cor 1(International), 2003-07-11 Cor 2(International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV
Cor 1(International), 2003-07-11 Cor 2(International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14
Cor 1(International), 2003-07-11 Cor 2(International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10
Cor 1 (International), 2003-07-11 Cor 2 (International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz.	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two
Cor 1 (International), 2003-07-11 Cor 2 (International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two
Cor 1 (International), 2003-07-11 Cor 2 (International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switch	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above
Cor 1 (International), 2003-07-11 Cor 2 (International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switched sconnector	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above Gr 12
Cor 1 (International), 2003-07-11 Cor 2 (International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switches Ed 1.00 A4 49p EN PDF 49p EN	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above Gr 12 29.130.10; 29.130.99
Cor 1 (International), 2003-07-11 Cor 2 (International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switches Ed 1.00 A4 49p EN PDF 49p EN Applicable to three-pole alternating current switches for rated voltages 52 kV and and outdoor installations, and for rated frequencies up to and including 60 Hz.	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above Gr 12 29.130.10; 29.130.99 above, that have making and breaking current ratings, for indoor
Voltages above 1 000 V and for service frequencies up to and including 60 H2. Cor 1 (International), 2003-07-11 Cor 2 (International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switches Ed 1.00 A4 49p EN PDF 49p EN Applicable to three-pole alternating current switches for rated voltages 52 kV and and outdoor installations, and for rated frequencies up to and including 60 Hz. SANS 62271-105:2003 / IEC 62271-105:2002	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above Gr 12 29.130.10; 29.130.99 above, that have making and breaking current ratings, for indoor
Voltages above 1 000 V and for service frequencies up to and including 60 Hz. Cor 1 (International), 2003-07-11 Cor 2 (International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switches for rated voltages 52 kV and and outdoor installations, and for rated frequencies up to and including 60 Hz. SANS 62271-105:2003 / IEC 62271-105:2002 High-voltage switchgear and controlgear Part 105: Alternating current switches	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above Gr 12 29.130.10; 29.130.99 above, that have making and breaking current ratings, for indoor h-fuse combinations
Voltages above 1 000 V and for service frequencies up to and including 60 H2. Cor 1 (International), 2003-07-11 Cor 2 (International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switches Ed 1.00 A4 49p EN PDF 49p EN Applicable to three-pole alternating current switches for rated voltages 52 kV and and outdoor installations, and for rated frequencies up to and including 60 Hz. SANS 62271-105:2003 / IEC 62271-105:2002 High-voltage switchgear and controlgear Part 105: Alternating current switches Ed 1.00 A4 48p EN	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above Gr 12 29.130.10; 29.130.99 above, that have making and breaking current ratings, for indoor h-fuse combinations Gr 12 Gr 12
Cor 1 (International), 2003-07-11 Cor 2 (International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switched Ed 1.00 A4 49p EN PDF 49p EN Applicable to three-pole alternating current switches for rated voltages 52 kV and and outdoor installations, and for rated frequencies up to and including 60 Hz. SANS 62271-105:2003 / IEC 62271-105:2002 High-voltage switchgear and controlgear Part 105: Alternating current switches Ed 1.00 A4 48p EN PDF 48p EN	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above Gr 12 29.130.10; 29.130.99 above, that have making and breaking current ratings, for indoor h-fuse combinations Gr 12 29.130.10
Cor 1(International), 2003-07-11 Cor 2(International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switches Ed 1.00 A4 49p EN PDF 49p EN Applicable to three-pole alternating current switches for rated voltages 52 kV and and outdoor installations, and for rated frequencies up to and including 60 Hz. SANS 62271-105:2003 / IEC 62271-105:2002 High-voltage switchgear and controlgear Part 105: Alternating current switche Ed 1.00 A4 48p EN PDF 48p EN Applicas to three-pole units for public and industrial distr	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above Gr 12 29.130.10; 29.130.99 above, that have making and breaking current ratings, for indoor h-fuse combinations Gr 12 29.130.10 functional assemblies of switches including switch-disconnectors recovery voltage, any current up to and including the rated short- hort-circuit breaking current systems of either 50 Hz or 60 Hz.
Cor 1(International), 2003-07-11 Cor 2(International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switches Ed 1.00 A4 49p EN PDF 49p EN Applicable to three-pole alternating current switches for rated voltages 52 kV and and outdoor installations, and for rated frequencies up to and including 60 Hz. SANS 62271-105:2003 / IEC 62271-105:2002 High-voltage switchgear and controlgear Part 105: Alternating current switche Ed 1.00 A4 48p EN PDF 48p EN	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 To for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above Gr 12 29.130.10; 29.130.99 above, that have making and breaking current ratings, for indoor h-fuse combinations Gr 12 29.130.10 functional assemblies of switches including switch-disconnectors recovery voltage, any current up to and including the rated short- hort-circuit breaking current applies. It applies to combinations above, brace alternating current systems of either 50 Hz or 60 Hz.
Voltages above 1 000 V and for service frequencies up to and including 60 H2. Cor 1(International), 2003-07-11 Cor 2(International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switched for Hz. Ed 1.00 A4 49p EN PDF 49p EN Applicable to three-pole alternating current switches for rated voltages 52 kV and and outdoor installations, and for rated frequencies up to and including 60 Hz. SANS 62271-105:2003 / IEC 62271-105:2002 High-voltage switchgear and controlgear Part 105: Alternating current switched for the app EN Applies to three-pole units for public and industrial distribution systems which are and current-limiting fuses designed so as to be capable of breaking, at the rated or circuit breaking current, making, at the rated voltage, circuits to which the rated as designed with rated voltages above 1 kV up to and including 52 kV for use on three sources and controlgear Part 106: Alternating current contact and controlgear Part 106: Alternating current contact and controlgear Par	Cor 3(International), 2005-11-21 Jes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current nd including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above Gr 12 29.130.10; 29.130.99 above, that have making and breaking current ratings, for indoor h-fuse combinations Gr 12 29.130.10 functional assemblies of switches including switch-disconnectors recovery voltage, any current up to and including the rated short- hort-circuit breaking current applies. It applies to combinations e-phase alternating current systems of either 50 Hz or 60 Hz.
Voltages above 1 000 V and for service frequencies up to and including 60 H2. Cor 1 (International), 2003-07-11 Cor 2 (International), 2003-09-12 SANS 62271-103:2012 / IEC 62271-103:2011 High-voltage switchgear and controlgear Part 103: Switches for rated voltage Ed 1.00 A4 67p EN PDF 67p EN Is applicable to three-phase, alternating current switches and switch-disconnector ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to a thirds Hz up to and including 60 Hz. SANS 62271-104:2009 / IEC 62271-104:2009 High-voltage switchgear and controlgear Part 104: Alternating current switches Ed 1.00 A4 49p EN PDF 49p EN Applicable to three-pole alternating current switches for rated voltages 52 kV and and outdoor installations, and for rated frequencies up to and including 60 Hz. SANS 62271-105:2003 / IEC 62271-105:2002 High-voltage switchgear and controlgear Part 105: Alternating current switched for current-limiting fuses designed so as to be capable of breaking, at the rated recurrent-limiting fuses designed so as to be capable of breaking, at the rated recurrent so which the rated si designed with rated voltages above 1 kV up to and including 52 kV for use on three sid designed with rated voltages above 1 kV up to and including 52 kV for use on three for current -limiting fuses designed so as to be capable of breaking, at the rated recurrent -limiting fuses designed so as to be capable of breaking, at the rated recurrent -limiting fuses designed s	Cor 3(International), 2005-11-21 yes above 1 kV up to and including 52 kV Gr 14 29.130.10 rs for their switching function, having making and breaking current including 52 kV and for rated frequencies from 16 and two hes for rated voltages of 52 kV and above Gr 12 29.130.10; 29.130.99 above, that have making and breaking current ratings, for indoor h-fuse combinations Gr 12 29.130.10 functional assemblies of switches including switch-disconnectors recovery voltage, any current up to and including the rated short- hort-circuit breaking current applies. It applies to combinations be-phase alternating current systems of either 50 Hz or 60 Hz. https://doi.org/10.

SANS 62271-3:2007 / IEC 62271-3:2006 (2013-02-22)

Is applicable to a.c. contactors or contactor-based (or both) controllers and motor-starters designed for indoor installation and operation at frequencies up to and including 60 Hz on systems having voltages above 1 000 V but not exceeding 24 000 V.

High-voltage switchgear and controlgear Part 107: Alternating current fused circuit-switchers for rated voltages above 1 kV up to and

Ed 2.00 A4 50p EN	Gr 12
PDF 50p EN	29.130.10
Applies to three-pole operated units for distribution syst so as to be capable of: breaking, at the rated recovery making, at the rated voltage, circuits to which the rated	ems that are functional assemblies of a circuit-switcher and current-limiting fuses designed roltage, any load or fault current up to and including the rated short-circuit breaking current; short-circuit breaking current applies.
SANS 62271-108:2007 / IEC 62271-108:2005 (2012-12	2-14)
High-voltage switchgear and controlgear Part 108: I of 72,5 kV and above	ligh-voltage alternating current disconnecting circuit-breakers for rated voltages
Ed 1.00 A4 25p EN	Gr 10
PDF 25p EN	29.130.10
Applies to high-voltage alternating current disconnecting voltages of 72,5 kV and above.	g circuit-breakers for operation at frequencies of 50 Hz and 60 Hz on systems having
SANS 62271-109:2009 / IEC 62271-109:2008	
High-voltage switchgear and controlgear Part 109: /	Alternating-current series capacitor by-pass switches
Ed 2.00 A4 128p EN	Gr 18
PDF 128p EN	29.130.10
Applies to a.c. series capacitor by-pass switches design having voltages above 52 kV. Is only applicable to by-pa	ned for outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems ass switches for use in three-phase systems.
SANS 62271-110:2009 / IEC 62271-110:2009	
High-voltage switchgear and controlgear Part 110: I	nductive load switching
Ed 2.00 A4 25p EN	Gr 10
PDF 25p EN	29.130.10
Covers a.c. circuit-breakers designed for indoor or outd above 1 000 V and applied for inductive current switchin	oor installation, for operation at frequencies of 50 Hz and 60 Hz on systems having voltages no with or without additional short-circuit current breaking duties.

SANS 62271-111:2007 / IEC 62271-111:2005 (2010-11-02)

High-voltage switchgear and controlgear Part 111: Overhead, pad-mounted, and fault interrupters for alternating current systems up to 38 kV	dry vault, and submersible automatic circuit reclosers
Ed 1.00 A4 72p EN	Gr 14
PDF 72p EN	29.120.50
Applies to all overhead, pad-mounted, dry vault, and submersible single- or multiple interrupters for rated maximum voltages above 1 000 V and up to 38 kV.	ble alternating current automatic circuit reclosers and fault

SANS 62271-200:2012 / IEC 62271-200:2011

SANS 62271-107:2012 / IEC 62271-107:2012

including 52 kV

High-voltage switchgear and controlgear Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above	1 kV and
up to and including 52 kV	

Ed 2.00 A4 88p EN PDF 88p EN

Specifies requirements for prefabricated metal-enclosed switchgear and controlgear for alternating current of rated voltages above 1 kV and up to and including 52 kV for indoor and outdoor installation, and for service frequencies up to and including 60 Hz.

SANS 62271-201:2007 / IEC 62271-201:2006 (2012-06-22)

High-voltage switchgear and controlgear Part 201: AC insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV

Ed 1.00 A4 85p EN Gr 15 PDF 85p EN 29.130.10

Specifies requirements for factory-assembled insulation-enclosed switchgear and controlgear for alternating current of rated voltages above 1 kV and up to and including 52 kV for indoor installation and for service frequencies up to and including 60 Hz.

SANS 62271-202:2007 / IEC 62271-202:2006 (2012-12-14)

High-voltage switchgear and controlgear Part 202: High-voltage/low-voltage prefabricated substation

Ed 1.00	A4 71p EN	Gr 14
	PDF 71p EN	29.130

Specifies the service conditions, rated characteristics, general structural requirements and test methods of HV/LV or LV/HV prefabricated substations, which are cable connected, to be operated from inside (walk-in type) or outside (non-walk-in type) for alternating current of rated voltages above 1 kV and up to and including 52 kV on the HV side, and for one or more transformers for service frequencies up to and including 60 Hz for outdoor installation in locations with public accessibility.

0.10

Gr 15

29 130 10

Gr 14

29.130.10

SANS 62271-203:2012 / IEC 62271-203:2011 High-voltage switchgear and controlgear Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV

PDF 78p EN 29.130.10 Specifies requirements for gas-insulated metal-enclosed switchgear in which the insulation is obtained, at least partly, by an insulating gas other than air at atmospheric pressure, for alternating current of rated voltages above 52 kV, for indoor and outdoor installation, and for service frequencies up to and including 60 Hz.

SANS 62271-204:2012 / IEC 62271-204:2011

High-voltage switchgear and controlgear Part 204: Rigid gas-insulated transmission lines for rated voltage above 52 kV Ed 1.00 A4 55p EN Gr 13

PDF 55p EN

Ed 2.00 A4 78p EN

Applies to rigid HV gas-insulated transmission lines (GIL) in which the insulation is obtained, at least partly, by a non-corrosive insulating gas, other than air at atmospheric pressure, for alternating current of rated voltages above 52 kV, and for service frequencies up to and including 60 Hz.

SANS 62271-205:2008 / IEC 62271-205:2008 (2012-06-15)

High-vol	tage switchgear and controlgear Part 205: Compact switchgear as	semblies for rated voltages above 52 kV
Ed 1.00	A4 24p EN	Gr 10
	PDF 24p EN	29.130.10: 29.130.99

Applies to compact switchgear assemblies consisting of at least one switching device directly connected to, or sharing components with, one or more other devices such that there is an interaction between the functions of the individual devices. May contain components of air insulated switchgear (AIS) only or a combination of AIS and gas insulated switchgear (GIS), and may be delivered entirely prefabricated or partially assembled.

SANS 62271-206:2011 / IEC 62271-206:2011

High-voltage switchgear and controlgear Part 206: Voltage presence indicating systems for rated voltages above 1 kV and up to and including 52 kV Ed 1.00 A4 27p EN Gr 10

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		PDF 27p EN			:	29.130. ⁻	10
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Applies to voltage presence indicating systems (VPIS) incorporated in a.c. switchgear and controlgear covered by IEC 62271-200 or IEC 62271-201 (published in South Africa as identical adoptions under the designations SANS 62271-200 and SANS 62271-201, respectively).

SANS 62271-207:2007 / IEC 62271-207:2007

High-voltage switchgear and controlgear Part 207: Seismic qualification for gas-insulated switchgear assemblies for rated voltages above 52 kV

Ed 1.00	A4 25p EN	Gr 10
	PDF 25p EN	29.130.1

Applies to switchgear assemblies for alternating current of rated voltages above 52 kV for indoor and outdoor installations, including their supporting structure rigidly connected to the ground, and does not cover the seismic qualification of live tank circuit breakers. Switchgear assemblies do have typically low centres of gravity, e.g. gas-insulated switchgear (GIS).

SANS 62271-208:2010 / IEC/TR 62271-208:2009

High-voltage switchgear and controlgear Part 208: Methods to quantify the steady state, power-frequency electromagnetic fields generated by HV switchgear assemblies and HV/LV prefabricated substations

Ed	1.00	A4 46p EN
		PDF 46p EN

Gives practical guidance for the evaluation and documentation of the external electromagnetic fields which are generated by HV switchgear assemblies and HV/LV prefrabricated substations.

SANS 62271-209:2007 / IEC 62271-209:2007 (2012-12-14)

High-voltage switchgear and controlgear Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV - Fluid-filled and extruded insulation cables - Fluid-filled and dry-type cable-terminations Gr 8

Ed 1.00 A4 17p EN PDF 17p EN

Covers the connection assembly of fluid-filled and extruded cables to gas-insulated metal-enclosed switchgear (GIS), in single- or three-phase arrangements where the cable-terminations are fluid-filled or dry type and there is a separating insulating barrier between the cable insulation and the gas insulation of the switchgear.

SANS 62271-300:2007 / IEC TR 62271-300:2006 (2012-06-22)

High-voltage switchgear and controlgear Part 300: Seismic qualification of alternating current circuit-breakers

Ed 1.00	A4 26p EN	Gr 10
	PDF 26p EN	29.130.10

Applies only to ciruit-breakers with their supporting structures which are rigidly connected with the ground, and does not cover the seismic gualification of circuit-breakers in metal enclosed switchgear.

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Gr 12 29.130.10

29.130.10

Standards South Africa Catalogue 2013 NUM - 839

operations and disposal at the end-of-life of high-voltage swit	chgear and controlgear, and the storage and transportation of SF6.
SANS 62271-304:2008 / IEC/TS 62271-304:2008 High-voltage switchgear and controlgear Part 304: Desig above 1 kV up to and including 52 kV to be used in sever	n classes for indoor enclosed switchgear and controlgear for rated voltages re climatic conditions
Ed 1.00 A4 17p EN	Gr 8
PDF 17p EN	29.130.10
Applies to indoor enclosed switchgear and controlgear comp have been published in South Africa as identical adoptions u service conditions more severe with respect to condensation in South Africa as an identical adoption under the designation	lying with IEC 62271-200 and IEC 62271-201 (IEC 62271-200 and IEC 62271-201 nder the designations SANS 62271-200 and SANS 62271-201), intended to be used in and pollution than the normal service conditions specified in IEC 62271-1 (published n SANS 62271-1).
SANS 62271-305:2010 / IEC/TR 62271-305:2009 High-voltage switchgear and controlgear Part 305: Capac voltages above 52 kV	citive current switching capability of air-insulated disconnectors for rated
Ed 1.00 A4 18p EN	Gr 9
PDF 18p EN	29.130.10
Applies to high-voltage air-insulated disconnectors for rated	voltages above 52 kV.
SANS 62271-308:2007 / IEC 62271-308:2002 (2010-11-02) High-voltage switchgear and controlgear Part 308: Guide Ed 1.00 A4 46p EN PDF 46p EN Contains information and test procedures for type testing of d duty (T100a) as required by IEC 62271-100 (published in So	For asymmetrical short-circuit breaking test duty T100a Gr 12 29.130.10; 29.130.99 Circuit-breakers relevant to short-circuit breaking performance during asymmetrical test uth Africa as an identical adoption under the designation SANS 62271-100).
SANS 62271-310:2008 / IEC/TR 62271-310:2008 High-voltage switchgear and controlgear Part 310: Electr	rical endurance testing for circuit-breakers above a rated voltage of 52 kV
Ed 2.00 A4 22p EN	Gr 9
PDF 22p EN	29.130.10
Applicable to class E2 circuit-breakers above a rated voltage	of 52 kV for use on overhead lines.
SANS 62282-3-3:2008 / IEC 62282-3-3:2007 Fuel cell technologies Part 3-3: Stationary fuel cell powe	r systems - Installation
PDF 17p FN	
Provides minimum safety requirements for the installation of mentioned systems and intended for electrical connection to provide a.c. or d.c. power, with or without the ability to recove	indoor and outdoor stationary fuel cell power systems. Applies to the installation of the mains directly or with a transfer switch, for a stand-alone power distribution system, to ar useful heat.
SANS 62282-6-200:2013 / IEC 62282-6-200:2012	

PDF 65p EN

SANS 62271-302:2011 / IEC/TR 62271-302:2010

SANS 62271-301:2010 / IEC/TR 62271-301:2009

Provides guidance on the design, construction, specification and testing of circuit-breakers with intentional non-simultaneous pole operation which are excluded from the scope of IEC 62271-100 (published in South Africa as an identical adoption under the designation SANS 62271-100).

High-voltage switchgear and controlgear Part 302: Alternating current circuit-breakers with intentionally non-simultaneous pole

SANS 62271-303:2009 / IEC/TR 62271-303:2008

High-vol	tage switchgear and controlgear Part 303: Use and handling of sulph	ur hexafluoride (SF6)			
Ed 1.00	A4 78p EN	Gr 15			
	PDF 78p EN	29.130.10			
Addresses the procedures for safe and environmental compatible handling of SF6 during installation, commissioning, normal and abnormal operations and disposal at the end-of-life of high-voltage switchgear and controlgear, and the storage and transportation of SF6.					

High-voltage switchgear and controlgear Part 301: Dimensional standardisation of high-voltage terminals

Applies to high-voltage switchgear and controlgear such as circuit-breakers, disconnectors and switches.

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Ed 2.00 A4 9p EN

Ed 1.00 A4 65p EN

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PDF 9p EN

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voltages	above 52 kV	0	•	5 1	
Ed 1.00	A4 18p EN			Gr 9	
	PDF 18p EN			29.130.10	

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Ed 1.00	A4 46p EN		Gr 12	
	PDF 46p EN		29.130.10; 29.130.99	

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Hign-vol	tage switchgear and controlgear	Part 310: Electrical endurance testing	for circuit-breakers above a rated voltage of 5
Ed 2.00	A4 22p EN	(Gr 9
	PDF 22p FN	0	100 100

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		PDF 17n FN		

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Fuel cell	technologies	Part 6-200: Micro fuel cell power systems - Performance to	est methods
Ed 1.00	A4 16p EN	Gr	r 8
	PDF 16p EN	27	.070

Provides test methods which are required for the performance evaluation of micro fuel cell power systems for laptop computers, mobile phones, personal digital assistants (PDAs), cordless home appliances, TV broadcast cameras, autonomous robots, etc. Describes the performance test methods for power characteristics, fuel consumption and mechanical durability for micro fuel cell power systems with output up to 60 V d.c. and 240 VA.

NUMERICAL LIST OF STANDARDS

Gr 6

29.130.10

Gr 15

29.130.10

provided in this standard. SANS 62282-7-1:2012 / IEC/TS 62282-7-1:2010 Fuel cell technologies Part 7-1: Single cell test methods for polymer electrolyte fuel cell (PEFC) Ed 1.00 A4 50p EN Gr 12 PDF 50p EN 27.070 Covers cell assemblies, test apparatus, measuring instruments and measuring methods, performance test methods, and test reports for PEFC single cells. Is used for evaluating the performance of membrane electrode assemblies (MEAs) for PEFCs, materials or structures of other components of PEFCs, and the influence of impurities in fuel or in air (or both) on the fuel cell performance. SANS 62301:2012 / IEC 62301:2011 Household electrical appliances - Measurement of standby power Ed 2.00 A4 43p EN Gr 12 PDF 43p EN 97.030 Specifies methods of measurement of electrical power consumption in standby mode(s) and other low modes (off mode and network mode), as applicable. Applies to electrical products with a rated input voltage or voltage range that lies wholly or partly in the range 100 V a.c. to 250 V a.c. for single-phase products and 130 V a.c. to 480 V a.c. for other products. SANS 62305-1:2011 / IEC 62305-1:2010 Protection against lightning Part 1: General principles Ed 2.00 A4 68p EN Gr 14 PDF 68p EN 91.120.40 Provides general principles to be followed for protection of structures against lightning, including their installations and contents, as well as persons. SANS 62305-2:2011 / IEC 62305-2:2010 Protection against lightning Part 2: Risk management Ed 2.00 A4 85p EN Gr 15 PDF 85p EN 91.120.40 Applicable to risk assessment for a structure due to lightning flashes to earth. Its purpose is to provide a procedure for the evaluation of such a risk. Once an upper tolerable limit for the risk has been selected, this procedure allows the selection of appropriate protection measures to be adopted to reduce the risk to or below the tolerable limit. SANS 62305-3:2011 / IEC 62305-3:2010 Protection against lightning Part 3: Physical damage to structures and life hazard Ed 2.00 A4 157p EN Gr 19 PDF 157p EN 91.120.40 Provides the requirements for protection of a structure against physical damage by means of a lightning protection system (LPS), and for protection against injury to living beings due to touch and step voltages in the vicinity of an LPS. SANS 62305-4:2011 / IEC 62305-4:2010 Protection against lightning Part 4: Electrical and electronic systems within structures Ed 2.00 A4 88p EN Gr 15 PDF 88p EN 91.120.40 Provides information for the design, installation, inspection, maintenance and testing of electrical and electronic system protection to reduce the risk of permanent failures due to lightning electromagnetic impulse within a structure.

SANS 62310-1:2005 / IEC 62310-1:2005 (2011-03-25)

Static transfer systems (STS) Pa	rt 1: General and safety requirements
Ed 1 00 A4 61p EN	

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Ed 1.00	A4 61p EN			Gr 14
	PDF6IPEN			29.020

Concerns general and safety requirements of free standing a.c. static transfer systems (STS) intended to ensure the continuity of power to load by automatically or manually controlled transfer, with or without interruption, from two or several a.c. independent sources.

SANS 62310-2:2006 / IEC 62310-2:2006 (2012	2-08-17)
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Static transfer systems (STS) Part 2: Electromagnetic compatibility (EMC) requirements

	insier systems (313) Fait 2. Electromagnetic compatibility (EMC) rec	fuirements
Ed 1.00	A4 37p EN	Gr 11
	PDF 37p EN	29.200; 33.100.01

Applies to free standing operation a.c. static transfer systems (STS) intended to ensure the continuity of load supply through controlled transfer, with or without interruption of power, from two or more independent a.c. sources. Applies to systems up to 1 000 V a.c. that are intended to be used in single-phase, phase-phase or three-phase applications.

Standards South Africa Catalogue 2013

NUMERICAL LIST OF STANDARDS

SANS 62282-6-300:2010 / IEC 62282-6-300:2009

Fuel cell technologies Part 6-300: Micro fuel cell power systems - Fuel cartridge interchangeability

Ed 1.00 A4 99p EN PDF 99p EN

Covers interchangeability of micro fuel cell (MFC) fuel cartridges to provide the cartridge compatibility for a variety of MFC power units while maintaining the safety and performance of MFC power systems. For this purpose, the standard covers fuel cartridges and their connector designs. Fuel type, fuel concentration and fuel quality are also covered. This standard also provides for the means to avoid the miss-connection of an improper fuel cartridge. Test methods for verifying the compliance with the interchangeability requirements for fuel and fuel cartridges are also

Gr 15

27.070

Gr 12

29,120,50

17.240: 33.050

29.200; 33.100

13,280: 33,100,99

SANS 62310-3:2008 / IEC 62310-3:2008

Static transfer systems (STS) Part 3: Method for specifying performance and test requirements

Ed 1.00 A4 50p EN PDF 50p EN

Applies to single-phase, phase-phase and three-phase static transfers in a.c. systems up to 1 000 V. Covers methods for specifying performance and test requirements including applicable safety tests. Takes precedence over all aspects of generic performance standards, and no additional performance testing is necessary.

SANS 62311:2008 / IEC 62311:2007 (2013-03-01)

Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz) Ed 1.00 A4 75p EN Gr 16 PDF 75p EN

Applies to electronic and electrical equipment for which no dedicated product or product family standard regarding human exposure to electromagnetic fields applies. Provides assessment methods and criteria to evaluate such equipment against basic restrictions or reference levels on exposure of the general public related to electric, magnetic and electromagnetic fields and induced and contact current.

SANS 62316:2007 / IEC TR 62316:2007 (2013-03-01)

Guidanc	e for the interpretation of OTDR backscattering tra	aces
Ed 1.00	A4 15p EN	Gr 8
	PDF 15p EN	33.180.10

Provides guidelines for the interpretation of backscattering traces, as obtained by an optical time domain reflectometer (OTDR).

SANS 62335:2009 / IEC 62335:2008

Circuit breakers - Switched protective earth portable residual current devices for class I and battery powered vehicle applications Gr 17

Ed 1.00 A4 139p EN PDF 139p EN

Applies to portable devices intended for use with vehicles having class 1 insulation and battery powered vehicle applications having battery charging units.

SANS 62368-1:2011 / IEC 62368-1:2010

Audio/video, information and communication technology equipment	Part 1: Safety requirements
Ed 1.00 A4 313p EN	Gr 23
PDF 313p EN	31.020; 33.160.01; 35.020

Applicable to the safety of electrical and electronic equipment within the field of audio, video, information and communication technology, and business and office machines with a rated voltage not exceeding 600 V.

SANS 62369-1:2009 / IEC 62369-1:2008

Evaluation of human exposure to electromagnetic fields from short range devices (SRDs) in various applications over the frequency range 0 GHz to 300 GHz - Part 1: Fields produced by devices used for electronic article surveillance, radio frequency identification and similar systems Gr 17

Ed 1.00 A4 74p EN PDF 74p EN

Presents procedures for the evaluation of human exposure to electromagnetic fields (EMFs) from devices used in electronic article surveillance (EAS), radio frequency identification (RFID) and similar applications.

SANS 62371:2008 / IEC/TS 62371:2008

Characteristics of hollow voltages greater than 1 00	pressurised and unpressurised ceramic and glass insulators for use in electrical equipment with rated CV
Ed 1.00 A4 23p EN	Gr 10
PDF 23p EN	29.080.10
Applies to ceramic and glas	s hollow insulators intended for general use in electrical equipment and ceramic hollow insulators intended for use with

SANS 62384:2008 / IEC 62384:2006 (2010-03-05)

a permanent gas pressure in switchgear and controlgear.

DC or AC supplied electronic control gear for LED modules - Performance requirements

Ed 1.00 A4 16p EN PDF 16p EN

Specifies performance requirements for electronic control gear for use on d.c. supplies up to 250 V and a.c. supplies up to 1 000 V at 50 Hz or 60 Hz with an output frequency which can deviate from the supply frequency, associated with LED modules according to IEC 62031 (published in South Africa as an identical adoption under the designation SANS 62031). Am 1(International), 2010-03-05

SANS 62386-101:2013 / IEC 62386-101:2009 Digital addressable lighting interface Part 101: General requirements - System Ed 1.00 A4 16p EN Gr 8 PDF 16p EN 29.140; 29.140.30; 29.140.50; 35.240.99

Specifies a protocol for control by digital signals of electronic lighting equipment used on a.c. or d.c. supplies.

Gr 8

29.140.99; 31.080.99

SANS 62386-102:2013 / IEC 62386-102:2009 Digital addressable lighting interface Part 102: General requirements - Cont	trol gear	
Ed 1.00 A4 140p EN	Gr 17	
PDF 140p EN	29.140.30; 29.140.50; 29.140.99; 35.240.99	
Specifies a protocol and methods of test for the control by digital signals of electr	ronic control gear for use on a.c. or d.c. supplies.	
SANS 62386-202:2013 / IEC 62386-202:2009 Digital addressable lighting interface Part 202: Particular requirements for o type 1)	control gear - Self-contained emergency lighting (device	
Ed 1.00 A4 108p EN	Gr 16	
Specifies a protocol and test procedures for the control by digital signals of electr selfcontained emergency lighting.	29.140.30; 29.140.50; 29.140.99; 35.240.99 ronic control gear for use on a.c. or d.c. supplies, associated with	
SANS 62386-203:2013 / IEC 62386-203:2009 Digital addressable lighting interface Part 203: Particular requirements for o lamps) (device type 2)	control gear - Discharge lamps (excluding fluorescent	
Ed 1.00 A4 27p EN	Gr 10	
PDF 27p EN	29.140.30; 29.140.50; 29.140.99; 35.240.99	
Specifies a protocol and test procedures for the control of electronic control gear discharge lamps (excluding fluorescent lamps).	by digital signals used on a.c. or d.c. supplies, associated with	
SANS 62386-204:2013 / IEC 62386-204:2009 Digital addressable lighting interface Part 204: Particular requirements for c	control gear - I ow voltage balogen lamps (device type 3)	
Ed 1.00 A4 37p EN	Gr 11	
PDF 37p EN	29.140.30; 29.140.50; 29.140.99; 35.240.99	
Specifies a protocol and methods of test for the control by digital signals of electr low voltage halogen lamps.	ronic control gear for use on a.c. or d.c. supplies, associated with	
SANS 62386-205:2013 / IEC 62386-205:2009 Digital addressable lighting interface Part 205: Particular requirements for o lamps (device type 4)	control gear - Supply voltage controller for incandescent	
Ed 1.00 A4 28p EN	Gr 10	
F DI 200 LIN	29.140.30; 29.140.50; 29.140.99; 35.240.99	
Specifies a protocol and test procedures for the control by digital signals of election	une control gear associated with incandescent lamps.	
SANS 62386-207:2013 / IEC 62386-207:2009	control goost IED modulos (douise turo 6)	
Ed 1.00 A4 450 EN	Gr 12	
PDF 45p EN	29.140.50; 29.140.99; 35.240.99	
Specifies a protocol and test procedures for the control by digital signals of electronic control gear for use on a.c. or d.c. supplies, associated with LED modules.		
SANS 62386-208:2013 / IEC 62386-208:2009		
Digital addressable lighting interface Part 208: Particular requirements for o	control gear - Switching function (device type 7)	
Ed 1.00 A4 72p EN PDF 72p EN	Gr 14	
Specifies a protocol and test methods for the control by digital signals of electron	ic control gear that switches its output only on and off.	
SANS 62386-209:2012 / IEC 62386-209:2011		
Digital addressable lighting interface Part 209: Particular requirements for o	control gear - Colour control (device type 8)	
Ed 1.00 A4 202p EN PDE 202p EN	Gr 20	
Specifies a protocol and test procedures for the control by digital signals of electr	29.140.30; 29.140.99; 35.240.99 onic control gear that can change their light colour.	
SANS 62386-210:2012 / IEC 62386-210:2011 Digital addressable lighting interface Part 210: Particular requirements for a	control gear - Sequencer (device type 9)	
Ed 1.00 A4 65p EN	Gr 14	
PDF 65p EN	29.140.30; 29.140.50; 29.140.99; 35.240.99	
Specifies a protocol and test procedures for the control by digital signals of electr	ronic control gear working as automatic sequencers.	

Safety requirements for secondary batteries and battery installations Part 3: Traction batteries

measures for protections against hazards generated from electricity, gas emission and electrolyte. Provides requirements on safety aspects

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1.00 /	A4 23p EN			Gr 10
	PDF 23p EN			29.220.20
ioc tr	secondary batteries and	hattery installations us	ed for electric vehicles	e a in electric industrial trucks (including lift tru

Applies to secondary batteries and battery installations used for electric vehicles, e.g. in electric industrial trucks (including lift trucks, tow trucks, cleaning machines, automatic guided vehicles), in battery powered locomotives, in electric vehicles (e.g. goods vehicles, golf carts, bicycles, wheelchairs), and does not cover the design of such vehicles.

SANS 62532:2012 / IEC 62532:2011

SANS 62442-1:2012 / IEC 62442-1:2011

Ed 1.00 A4 19p EN

fluorescent lamp(s).

Ed 1.00 A4 30p EN

Ed 1.00 A4 38p EN

Ed

PDF 19p EN

PDF 30p EN

PDF 38p EN

SANS 62444:2011 / IEC 62444:2010 Cable glands for electrical installations

SANS 62485-2:2012 / IEC 62485-2:2010

SANS 62485-3:2011 / IEC 62485-3:2010

input power of controlgear circuits and the efficiency of the controlgear

associated with the erection, use, inspection, maintenance and disposal.

Fluorescent induction lamps - Safety specifications

Ed 1.00	A4 26p EN	Gr 10	
	PDF 26p EN	29.140.30	

Specifies the safety requirements for fluorescent induction lamps for general lighting purposes. Also specifies the method a manufacturer should use to show compliance with the requirements of this standard on the basis of whole production appraisal in association with the test records on finished products.

SATR 62540:2010 / IEC/TR 62540:2009

Radio frequency identification (RFID) of stationary lead acid cells and monoblocs - Tentative requirements

Ed 1.00	A4 24p EN	Gr 10
	PDF 24p EN	29.220.20; 35.240.

Applies to all stationary lead-acid cells and monobloc batteries for float charge applications (i.e. permanently connected to a load and to a d.c. power supply), in a static location (i.e. not generally intended to be moved from place to place) and incorporated into stationary equipment or installed in battery rooms for use in telecom, uninterruptible power supply (UPS), utility switching, emergency power or similar applications. These batteries are covered by SANS 60896-11, SANS 60896-21 and SANS 60896-22. The objective of this technical report is to assist the supplier and user of radio frequency identification devices (RFID) in the understanding of the requirements for performance, durability, data content and structure, the write/read capability of such devices, and to provide guidance so that the RFID tag on the battery will result in meeting the needs of a particular industry application and operational condition.

SANS 62552:2008 / IEC 62552:2007 (2010-04-23)

Household refrigerating appliances - Characteristics and test methods

Ed 1.00 A4 86p EN PDF 86p EN

Specifies the essential characteristics of household refrigerating appliances, factory-assembled and cooled by internal natural convection or forced air circulation, and establishes test methods for checking the characteristics. Cor 1(International), 2008-06-20 Am 1(National), 2010-04-23

SANS 62554:2012 / IEC 62554:2011

Sample preparation for measurement of mercury level in fluorescent lamps

Ed 1.00	A4 21p EN	 Gr 9
	PDF 21p EN	29.140.30

Specifies sample preparation methods for determining mercury levels in new tubular fluorescent lamps (including single capped, double capped, self-ballasted and CCFL (cold cathode fluorescent lamp) (for backlighting) containing 0,1 mg mercury or more.

NUMERICAL LIST OF STANDARDS

Energy performance of lamp controlgear Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total

Gr 9

29,140,99

Defines a measurement and calculation method of the total input power for controlgear - lamp circuits when operating with their associated

Safety requirements for secondary batteries and battery installations - Part 2: Stationary batteries Gr 11

29.120.10 Provides requirements and tests for the construction and performance of cable glands.

Gr 10

29.220.20; 29.220.30 Applies to stationary secondary batteries and battery installations with a maximum voltage of DC 1 500 V (nominal) and describes the principal

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Gr 15

97.040.30

Gr 9

91.120.40

SANS 62561-4:2012 / IEC 62561-4:2010

Lightning protection system components (LPSC) Part 4: Requirements for conductor fasteners

Ed 1.00 A4 22p EN PDF 22p EN

Deals with the requirements and tests for metallic and non-metallic conductor fasteners that are used in conjunction with the air termination, down conductor and earth termination system.

SANS 62561-5:2012 / IEC 62561-5:2011

Lightning protection system components (LPSC) Part 5: Requirements for earth electrode inspection housings and earth electrode seals Ed 1.00 A4 16p EN Gr 8 PDF 16p EN 29.020: 91.120.40

Specifies the requirements and tests for earth electrode inspection housings (earth pit) and earth electrode seals.

Lightning protection system components (LPSC) Part 6: Requirements for lightning strike counters (LSC)

SANS 62561-6:2012 / IEC 62561-6:2011

SANS 62	561-7:2012 / IEC 62561-7:2011	
Specifies	the requirements and tests for devices intended to count the number of li	ghtning strike pulses flowing in a conductor.
	PDF 21p EN	29.020; 91.120.40
Ed 1.00	A4 21p EN	Gr 9
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Lightning protection system components (LPSC) Part 7: Requirements for earthing enhancing compounds

Ed 1.00	A4 17p EN	Gr 8
	PDF 17p EN	29.020; 91.120.40

Specifies the requirements and tests for earthing enhancing compounds producing low resistance of an earth termination system.

SANS 62577:2009 / IEC 62577:2009

Evaluation	of human exposure to electromagnetic fields from a stand-alone b	proadcast transmitter (30 MHz - 40 GHz)
Ed 1.00 A	4 26p EN	Gr 11
P	'DF 26p EN	13.280; 17.220.20; 17.240; 33.170

Applies to a single stand-alone broadcast transmitter operating in the frequency range 30 MHz to 40 GHz when put on the market. Only applies to broadcast transmitters being placed on the market (type approval) and does not apply to broadcast transmitters being commissioned or placed into service.

SANS 62614:2009 / IEC/PAS 62614:2009

Fibre optics - Launch condition requirements for measuring multimode attenuation

Ed 1.00	A4 11p EN	Gr 7
	PDF 11p EN	33.180.10

Describes the launch condition requirements used for measuring multimode attenuation in passive components and installed cable plant. The fibre types and source condition that are addressed include category A1a and A1b multimode fibres.

SATS 80004-3:2011 / ISO/TS 80004-3:2010

Nanotechnologies - Vocabulary Part 3: Carbon nano-objects

Ed 1.00	A4 14p EN	Gr 7
	PDF 14p EN	01.040.07; 07.030

Lists terms and definitions related to carbon nano-objects in the field of nanotechnologies. Is intended to facilitate communications between organizations and individuals in industry and those who interact with them.

SANS 80601-2-56:2010 / ISO 80601-2-56:2009

Medical electrical equipment Part 2-56: Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement Ed 1.00 A4 55p EN Gr 13

PDF 55p EN

Applies to the basic safety and essential performance of electrical clinical thermometers in combination with its accessories, used for measuring the body temperature of patients. Gives general and technical requirements.

11.040.55

SANS 90003:2004 / ISO/IEC 90003:2004 (2010-03-31)

Software engineering - Guidelines for the application of ISO 9001:2000 to computer software

Ed 1.00	A4 61p EN	Gr 14
	PDF 61p EN	03.120.10; 35.080

Specifies requirements for a quality management system where an organization needs to demonstrate its ability to consistently provide a product that meets customer and applicable regulatory requirements, and aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable regulatory requirements.

Gr 17

03.120.10; 35.080

SANS 90005:2009 / ISO/IEC TR 90005:2008

Systems engineering - Guidelines for the application of ISO 9001 to system life cycle processes

Ed 1.00 A4 142p EN PDF 142p EN

Provides guidance for organizations in the application of SANS 9001:2008 to the acquisition, supply, development, operation and maintenance of systems and related support services.

SANS 100013:2003 / ISO/TR 10013:2001 (2008-11-14)

Guidelines for guality management system documentation

Ed 1.00	A4 20p EN	Gr 9
	PDF 20p EN	03.120.10

Provides guidelines for the development and maintenance of the documentation necessary to ensure an effective quality management system, tailored to the specific needs of the organization. The use of these guidelines will aid in establishing a documented system as required by the applicable quality management system standard.

SANS 100053:1998 / ETSI TR 100 053:1998 (2012-12-14)

(SABS ETSI TR 100053)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio site engineering for radio equipment and systems in the mobile service

Ed 1.00	A4 148p EN	Gr 17
	PDF 148p EN	33.070.10

Provides guidance for engineers concerned with the design, specification, installation, operation and maintenance of radio systems. Is particularly directed towards systems working in Very High Frequency (VHF) and Ultra High Frequency (UHF) bands but encompassing a measurement range between 9 kHz and 4 GHz in respect of compatibility where co-sited operation of many different users' equipment has become common.

Am 1(National), 2007-07-20

SANS 100098-3:2009 / ISO/IEC Guide 98-3:2008

Uncertainty of measurement Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)

Ed 1.00	A4 129p EN	
	PDF 129p EN	

Establishes general rules for evaluating and expressing uncertainty in measurements that can be followed at various levels of accuracy and in many fields - from the shop floor to fundamental research.

SANS 100099:2008 / ISO/IEC Guide 99:2007

International vocabulary of metrology - Basic and general concepts and associated terms (VIM)

Ed 1.00	A4 97p EN				Gr 15	
	PDF 97p EN	l			01.040.17; 17.020	

In this vocabulary, a set of definitions and associated terms is given, in English and French, for a system of basic and general concepts used in metrology, together with concept diagrams to demonstrate their relations. Additional information is given in the form of examples and notes under many definitions.

SANS 101651:2005 / ETSI TR 101651:1999 (2010-03-05)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Classification of the electromagnetic environment conditions for equipment in telecommunication networks

Ed 1.00 A4 18p EN PDF 18p EN

Provides information on the electromagnetic environmental conditions encountered where telecommunications equipment is installed and is a compilation of data concerning electromagnetic environmental conditions.

SANS 101952-1-1:2006 / ETSI TS 101952-1-1:2004

Access network xDSL transmission filters Part 1: ADSL splitters for European deployment Sub-part 1: Generic specification of the

low pass part of DSL over POTS splitters including dedicated annexes for specific xDSL variants Ed 1 00 A4 36n EN

Ľч	1.00	A4 300 LN
		PDF 36p EN

Specifies requirements and test methods for the low pass part of DSL over POTS splitters.

SANS 101952-1-2:2006 / ETSI TS 101952-1-2:2002

Access network xDSL transmission filters Part 1: ADSL splitters for European deployment Sub-part 2: Specification of the high pass part of ADSL/POTS splitters Gr 7

Ed 1.00	A4 13p EN
	PDF 13p EN

Specifies requirements and test methods for the high pass part of ADSL/POTS splitters.

Gr 8

33.040; 33.100.01

Gr 11 33.120.10

33.120.10

Gr 17

01.040.17; 17.020

SANS 101952-1-3:2006 / ETSI TS 101952-1-3:2002 Access network xDSL transmission filters Part 1: ADSL splitters for Europea splitters	an deployment Sub-part 3: Specification of ADSL/ISDN
Ed 1.00 A4 18p EN PDF 18p EN	Gr 8 33 120 10
Specifies requirements and test methods for ADSL/ISDN splitters.	
SANS 101952-1-4:2006 / ETSI TS 101952-1-4:2002 Access network xDSL transmission filters Part 1: ADSL splitters for Europea "ISDN or POTS" universal splitters	an deployment Sub-part 4: Specification of ADSL over
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	33.120.10
Specifies requirements and test methods for ADSL over "ISDN or POTS" universa	al splitters.
SANS 101952-1-5:2006 / ETSI TS 101952-1-5:2003 Access network xDSL transmission filters Part 1: ADSL splitters for Europea POTS distributed filters	an deployment Sub-part 5: Specification for ADSL over
Ed 1.00 A4 29p EN	Gr 10
PDF 29p EN	33.120.10
Specifies requirements and test methods for "ADSL over POTS" distributed filters	
SANS 102177:2006 / ETSI TS 102177:2006 Broadband Radio Access Networks (BRAN); HiperMAN; Physical (PHY) layer	
Ed 1.00 A4 55p EN	Gr 13
PDF 55p EN	33.020; 35.110
Specifies the HiperMAN air interface with the specification layer 1 (physical layer) below 11 GHz, and Nomadic and converged Fixed-Nomadic applications, in frequ	, which can be used to provide Fixed applications, in frequencies encies below 6 GHz.
SANS 102178:2006 / ETSI TS 102178:2006 Broadband Radio Access Networks (BRAN); HiperMAN; Data Link Control (E	DLC) layer
Ed 1.00 A4 97p EN	Gr 15
PDF 97p EN	33.060.99; 35.110
Defines the Data Link Control (DLC) of HiperMAN to support PMP and optionally Fixed applications, in frequencies below 11 GHz, and Nomadic and converged Fixed Structure and Converged Structure	Mesh network topologies. Provides the DLC functions required for (ed-Nomadic applications, in frequencies below 6 GHz.
SANS 102210:2006 / ETSI TS 102210:2005 (2012-06-29) Broadband Radio Access Networks (BRAN); HIPERMAN; System profiles	
Ed 1.00 A4 16p EN	Gr 8
PDF 16p EN	35.110; 35.200
Specifies the HiperMAN system profiles. System profiles provide recommended in	nplementations of HiperMAN compliant systems.
SANS 103000-2-1:2005 / ETSI TR 103000-2-1:2002 (2011-03-25) Access and Terminals (AT); Analogue Access to Public Telephone Network; Interface Part 2: Generally applicable Advisory Notes; Sub-part 1: Modificati Ed 1.00 A4 10p EN	Advisory Notes to Standards Harmonizing Terminal on to sending spectral density requirements Gr 6
PDF 10p EN	33.040.35
Provides guidance on the application of TBR 021 (SANS 336) and is therefore ap (SANS 336).	plicable to Terminal Equipment falling within the scope of TBR 21
SANS 103000-4-1:2005 / ETSI TR 103000-4-1:2003 (2011-03-25) Access and Terminals (AT); Analogue Access to Public Network; Advisory N Information arising from CEC decisions; Sub-part 1: General loop steady sta Ed 1.00 A4 10p EN PDE 10p EN	otes to Standards harmonizing terminal interface Part 4: ate requirements Gr 6 22 040 25
Provides guidance on the application of TBR 021 (SANS 336) and is therefore ap (SANS 336). Deals with changes in the loop steady states requirement arising fro	olicable to Terminal Equipment falling within the scope of TBR 21 m the Commission Decision of 26 May 2000 L135/25 [2].
SANS 200053:2006 / ETSI EG 200053:2004 (2011-03-25)	
Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio sit	e engineering for radio equipment and systems
Ed 2.00 A4 160p EN	Gr 18
	33.070.10
Provides guidance for engineers concerned with the design, specification, installa particularly towards systems working in the Very High Frequency (VHF) and Ultra	tion, operation and maintenance of radio systems; is directed High Frequency (UHF) bands.

SANS 201187:2005 / ETSI ES 201187:1999 (2011-03-25)

2-wire analogue voice band interfaces; Loop Disconnect (LD) dialling specific requirements

Ed 1.00 A4 13p EN PDF 13p EN

Specifies the technical characteristics to be provided by Terminal Equipment (TE) intended to be connected to a 2-wire analogue interface of the PSTN at which network addressing is performed by means of Loop Disconnect signalling, nominally at 10pps, insofar as they are particular to the Loop Disconnect signalling function.

SANS 201468:2004 / ETSI ES 201468:2002 (2009-11-27)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Additional ElectroMagnetic Compatibility (EMC) requirements and resistibility requirements for telecommunications equipment for enhanced availability of service in specific applications Ed 1.00 A4 34p EN Gr 11 PDF 34p EN 33,100.01

Contains additional EMC requirements for telecommunications network equipment where higher performance is required to guarantee enhanced availability of service in specific applications. Covers emission, immunity and resistibility requirements of the equipment.

SANS 201729:2005 / ETSI ES 201729:2000 (2011-02-24)

Public Switched Telephone Network (PSTN); 2-wire analogue voice band switched interfaces; Timed break recall (register recall); Specific requirements for terminals

Ed 1.00 A4 11p EN PDF 11p EN

Specifies the technical characteristics (electrical interface requirements) to be provided by Terminal Equipment (TE) to be connected to a 2-wire analogue interface of the PSTN or equivalent interfaces at which network register recall facility is intended to be performed by means of a timed break recall signal, insofar as they are particular to this signalling function.

SANS 300086-1:2005 / ETSI EN 300086-1:2001 (2011-03-25)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech Part 1: Technical characteristics and methods of measurement Ed 1 00 A4 58n EN

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		PDF 58p EN		ຸ
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Covers the minimum characteristics considered necessary in order to avoid harmful interference and to make acceptable use of the available frequencies. It does not necessarily include all the characteristics which may be required by a user, nor does it necessarily represent the optimum performance achievable. Applies to angle modulation systems for use in the land mobile service, operating on radio frequencies between 30 MHz and 1 000 MHz, with channel separations of 12,5 kHz, 20 kHz and 25 kHz, and is intended primarily for analogue speech. Different requirements are given for the different radio frequency bands, channel separations, environmental conditions and types of equipment, where appropriate. Does not cover hand portable equipment without an external or internal RF connector and without the possibility of having a temporary internal 50 ohm **RF** connector.

Am 1(National), 2005-07-22

SANS 300086-2:2005 / ETSI EN 300086-2:2001 (2011-03-25)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech Part 2: Harmonized EN covering essential requirements under article 3.2 of the **R&TTE Directive**

Ed 1.00 A4 18p EN Gr 8 PDF 18p EN

Applies to angle modulation systems for use in the land mobile service, operating on radio frequencies between 30 MHz and 1 000 MHz, with channel separations of 12,5 kHz, 20 kHz and 25 kHz, and is intended primarily for analogue speech. Different requirements are given for the different radio frequency bands, channel separations, environmental conditions and types of equipment, where appropriate. Does not cover handportable equipment without an external or internal RF connector and without the possibility of having a temporary internal 50 ohm RF connector. Article 3.2 of the R&TTE Directive states that 'radio equipment shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communications and orbital resources so as to avoid harmful interference'.

Am 1(National), 2005-08-26

SANS 300103:1990 / ETS 300103:1990 (2007-07-20)

(SABS ETS 300103)

Integrated Services Digital Network (ISDN); Support of CCITT Recommendation X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an ISDN; Synchronous and asynchronous terminal adaption functions

Ed 1.00 A4 108p EN PDF 108p EN

Covers the connection of X.21 and X.21bis based terminals of user classes of service 3 to 7 and 19 to the ISDN operating in accordance with circuit-switched or leased circuit services. Also covers the connection of X.20bis based Terminals of CCITT user classes of service 1 and 2, and 19200 bit/s and of asynchronous data rates of 600, 1200, 2400, 3600, 4800, 7200, 9600, 12000, 14400 to the ISDN operating in accordance with circuit-switched or leased circuit services.

Am 1(National), 2007-07-20

Gr 7

33.040.35

Gr 7

33.040.35

Gr 13 3.060.20

33.060.20: 33.100.01

Gr 17

33.080

SANS 300113-1:2005 / ETSI EN 300113-1:2003 (2011-02-24)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 1: Technical characteristics and methods of measurement Gr 16

Ed 1.00 A4 110p EN

PDF 110p EN

33.060.20: 33.100.01

33.060.20; 33.100.01

Gr 8

Gr 9 33.020

33.020

33.020; 33.100.01

Covers the minimum characteristics considered necessary in order to avoid harmful interference and to make acceptable use of the available frequencies. Applies to either constant envelope angle modulation systems or to non-constant envelope modulation systems for use in the land mobile service, operating on radio frequencies between 30 MHz and 1 GHz, with channel separations of 12,5 kHz, 20 kHz and 25 kHz, intended for data transmission. Applies to digital and combined analogue and digital radio equipment with an internal or external antenna connector intended for the transmission of data and/or speech.

SANS 300113-2:2005 / ETSI EN 300113-2:2003 (2011-02-04)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

Ed 1.00 A4 20p EN PDF 20p EN

Applies to either constant envelope angle modulation systems or to non-constant envelope modulation systems for use in the land mobile service, using the available bandwidth, operating on radio frequencies between 30 MHz and 1 GHz, with channel separations of 12,5 kHz, 20 kHz and 25 kHz, intended for data transmission. Applies to digital and combined analogue and digital radio equipment with an internal or external antenna connector intended for the transmission of data and/or speech. Applies both to equipment operating in continuous or in discontinuous mode of transmission.

SANS 300127:1999 / EN 300127:1999 (2011-11-11)

(SABS EN 300127)

Electromagnetic compatibility and Radio spectrum Matters (ERM) - Radiated emission testing of physically large telecommunication systems

Ed	1.00	A4 17p EN
		PDF 17p EN

Specifies the technical requirements for the radiated emission measurement procedure for physically large systems used within the telecommunication network, with the exception of radio equipment.

Am 1(National), 2007-06-01

SANS 300131:2006 / I-ETS 300131:1994 (2012-06-29)

Radio Equipment and Systems (RES); Common air interface specification to be used for the interworking between cordless telephone apparatus in the frequency band 864,1 MHz to 868,1 MHz, including public access services			
Ed 1.00 A4 260p EN	Gr 21		
PDF 260p EN	33.060.20		

Specifies the technical requirements for equipment known generically as common air interface second generation cordless telephones or CAI CT2. Protocols for the transmission of non-speech data, as a secondary service, are also covered.

SANS 300132-1:2004 / ETS 300132-1:1996 (2009-11-27)

Equipment Engineering (EE); Power supply interface at the input to telecommunications equipment Part 1: Operated by alternating current (ac) derived from direct current (dc) sources

Ed 1.00	A4 20p EN	
	PDF 20p EN	

Contains requirements for the output performance of the (stabilized) ac power supply derived from dc sources as specified in ETS 300132-1 (published in South Africa as an identical adoption under the designation SANS 300132-1), and the input of the telecommunications equipment connected to interface 'A', powered by ac not directly provided by the mains. Aims at providing compatibility between the power supply equipment and the power consuming telecommunications equipment, and also between different load units connected to the same power supply.

SANS 300132-2:2004 / ETSI EN 300132-2:2003 (2009-11-27) Environmental Engineering (EE); Power supply interface at the input to telecommunications equipment Part 2: Operated by direct current (dc) Gr 9

Ed 1.00 A4 19p EN PDF 19p EN

Contains requirements for the output performance of the direct current (dc) power equipment at the interface 'A', and the input of the telecommunications equipment connected to interface 'A', powered by dc. Aims at providing compatibility between the power supply equipment and the power consuming telecommunications equipment, and also between different system blocks connected to the same power supply.

SANS 300132-3:2004 / ETSI EN 300132-3:2003 (2009-11-27)

Environmental Engineering (EE); Power supply interface at the input to telec	communications equipment Part 3: Operated by rectified
current source, alternating current source or direct current source up to 400	V
	Cr 0

Ed 1.00	A4 19p EN	Gr 9
	PDF 19p EN	33.020

Contains requirements for the output performance of the power equipment at the interface A3, and the input of the telecommunications equipment connected to interface A3. Aims at providing compatibility between the power supply equipment and both the telecommunications equipment, and the different load units connected to the same interface A3 (e.g. datacom equipment).

> Standards South Africa Catalogue 2013 NUM - 848

33.070.30 Gives an introduction and overview of the complete Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI), and specifies SANS 300197:2005 / ETSI EN 300197:2002 (2011-02-04) Fixed Radio Systems; Point-to-point equipment; Parameters for radio systems for the transmission of digital signals operating at 32 GHz and 38 GHz Ed 1.00 A4 36p EN Gr 11 PDF 36p EN 33,060,30 Specifies the minimum performance parameters for terrestrial digital fixed service radio communication equipment operating in the 32 GHz and 38 GHz frequencies SANS 300198:2005 / ETSI EN 300198:2002 (2011-02-04) Fixed Radio Systems; Point-to-point equipment; Parameters for radio systems for the transmission of digital signals operating at 23 GHz Ed 1.00 A4 36p EN Gr 11 PDF 36p EN 33.060.30 Specifies the minimum performance parameters for terrestrial digital fixed service radio communication equipment operating in the 23 GHz frequency band. SANS 300220-1:2006 / ETSI EN 300220-1:2006 Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 1: Technical characteristics and test methods Ed 2.00 A4 75p EN Gr 14 PDF 75p EN 33.060.20; 33.100.01 Applies to short range device radio transmitters and receivers, and covers fixed stations, mobile stations and portable stations. SANS 300220-3:2005 / ETSI EN 300220-3:2000 (2011-02-04) Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 3: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive Ed 1.00 A4 16p EN Gr 8 PDF 16p EN 33.060.20; 33.100.01 Applies to short range device radio transmitters and receivers, i.e. transmitters in the range from 25 MHz to 1 000 MHz with power levels ranging up to 500 mW, and receivers in the range from 25 MHz to 1 000 MHz. Applies to short range devices either with a Radio Frequency (RF) output connection and/or with an integral antenna; for alarms, identification, telecommand, telemetry, etc.; applications with or without speech. Covers fixed stations, mobile stations and portable stations. Intended to cover the provisions of Article 3.2 of Directive 1999/5/EC [1] (R&TTE Directive) [1], which states that 'radio equipment shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communications and orbital resources so as to avoid harmful interference'. SANS 300224-1:2005 / ETSI EN 300224-1:2001 (2011-02-04) Electromagnetic compatibility and Radio spectrum Matters (ERM); On-site paging service Part 1: Technical and functional characteristics, including test methods Ed 1.00 A4 55p EN Gr 13 PDF 55p EN 33.050.20; 33.100.01 Applies to on-site paging equipment operating in the frequency range of 25 MHz to 470 MHz and loop systems below 146 kHz. SANS 300224-2:2005 / ETSI EN 300224-2:2001 (2011-02-04) Electromagnetic compatibility and Radio spectrum Matters (ERM); On-site paging service Part 2: Harmonized EN under article 3.2 of the R&TTE Directive Ed 1.00 A4 18p EN Gr 8 PDF 18p EN 33.050.20; 33.100.01 Applies to on-site paging equipment operating in the frequency range of 25 MHz to 470 MHz and loop systems below 146 kHz.

Gives an introduction and overview of the complete Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI). SANS 300175-2:2005 / ETSI EN 300175-2:2005 (2011-02-04)

Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI) Part 2: Physical Layer (PHL)

Ed 1.00 A4 65p EN PDF 65p EN

the physical channel arrangements.

Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI) Part 1: Overview

SANS 300175-1:2005 / ETSI EN 300175-1:2005 (2011-02-04)

Ed 1.00 A4 29p EN PDF 29p EN

NUMERICAL LIST OF STANDARDS

Gr 10 33.070.30

Gr 14

SANS 300234:2005 / ETSI EN 300234:2001 (2011-02-24) Fixed Radio Systems; Point-to-point equipment; High capacity digital radio systems carrying 1 x STM-1 signals and operating in frequency bands with about 30 MHz channel spacing and alternated arrangements Ed 1.00 A4 37p EN Gr 11

PDF 37p EN

Specifies parameters for high capacity STM-1 digital radio-relay systems designed to operate in defined bands up to 15 GHz. The channel spacing between adjacent cross-polar channels is generally approximately 30 MHz. Specifies the minimum performance parameters for terrestrial fixed service radio communications equipment operating in the frequency bands up to 15 GHz.

33.080

SANS 300249:2007 (2012-12-14) (SABS 300249)

Satellite earth stations; television receive-only equipment used in the broadcasting satellite service

Ed 1.01 A4 58p EN Gr 13 PDF 58p EN 33.160.25

Gives minimum specifications for the standardisation of the technical characteristics of satellite receiving only earth stations, capable of receiving audio-visual signals and associated data. Is applicable to Television Receive Only (TVROs) earth stations which receive audio-visual signals in the Broadcasting Satellite Service (BSS) Ku band frequency ranges from 11,70 GHz to 12,50 GHz. (These frequency ranges have been modified to relate to South Africa's local frequency requirements - see national foreword.)

Am 1(National), 2007-10-12

SANS 300296-2:2004 / ETSI EN 300296-2:2001 (2009-08-28) Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

Ed 1.00 A4 17p EN PDF 17p EN

Applies to radio equipment with integral antennas, used in angle modulation systems in the land mobile service, operating on radio frequencies between 30 MHz and 1 000 MHz, with channel separations of 12.5 kHz, 20 kHz and 25 kHz, and is intended primarily for analogue speech. Covers handportable stations with integral antennas.

SANS 300328:2007 / ETSI EN 300328:2006

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

Ed 2.00 A4 43p EN PDF 43p EN

Applies to Wide Band Data Transmission equipment which is used in wireless local area networks. Also applies to ad hoc networking where devices communicate directly with each other, without the use of a wireless infrastructure.

SANS 300330-1:2006 / ETSI EN 300330-1:2006

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 1: Technical characteristics and test methods

Ed 2.00 A4 63p EN PDF 63p EN

Applies to Short Range Devices (SRDs) transmitters and receivers, and covers fixed stations, mobile stations and portable stations.

SANS 300330-2:2006 / ETSI EN 300330-2:2006

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive

Ed 2.00 A4 21p EN PDF 21p EN

Applies to Short Range Devices (SRDs) transmitters and receivers, and covers fixed stations, mobile stations and portable stations.

SANS 300386:2006 / ETSI EN 300386:2005 (2011-01-21) (SABS ETSI EN 300386)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Telecommunication network equipment; ElectroMagnetic Compatibility (EMC) requirements Gr 12

Ed 3.00 A4 49p EN PDF 49p EN

Covers the EMC requirements for equipment intended to be used within a telecommunications network, for example switching equipment, nonradio transmission equipment and ancillary equipment, power supply equipment, and supervisory equipment.

Gr 8 33.060.20; 33.100.01

Gr 12 33.060.20: 33.100.01

Gr 14

33.060.20; 33.100.01

Gr 9

33.060.20; 33.100.01

33.040; 33.100.20
Gr 20

Gr 10

33.060.30

33.160.20; 33.170

SANS 300401:2005 / ETSI EN 300401:2001 (2011-02-24)

Radio Broadcasting Systems; Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers

Ed 1.00 A4 222p EN

PDF 222p EN

Establishes a broadcasting standard for the Digital Audio Broadcasting (DAB) system designed for delivery of high-quality digital audio programme and data services for mobile, portable and fixed reception from terrestrial or satellite transmitters in the Very High Frequency (VHF)/Ultra High Frequency (UHF) frequency bands as well as for distribution through cable networks.

SANS 300421:2007 / ETS 300421:1997 (2012-12-14)

(SABS ETS 300421)

Digital Video Broadcasting (DVB); Framing structure, channel coding and modulation for 11/12 GHz satellite services

Ed 2.00 A4 25p EN PDF 25p EN

Ed 2.00 A4 108p EN

PDF 108p EN

Describes the modulation and channel coding system for satellite digital multi-programme television (TV)/High Definition Television (HDTV)) services to be used for primary and secondary distribution in Fixed Satellite Service (FSS) and Broadcast Satellite Service (BSS) bands. The system is intended to provide Direct-To-Home (DTH) services for consumer Integrated Receiver Decoder (IRD), as well as collective antenna systems (Satellite Master Antenna Television (SMATV)) and cable television head-end stations, with a likelihood of remodulation.

SANS 300422-1:2006 / ETSI EN 300422-1:2000 Electromagnetic compatibility and Badio spectrum Matters (EBM): Wireless microphones in the 25 MHz to 3 GHz frequency range

Part 1: Technical characteristics and test methods	
Ed 1.00 A4 40p EN	Gr 11
PDF 40p EN	33.050.99
Applies to equipment with modulation systems operating on radio frequencies betw	ween 25 MHz and 3 GHz.
SANS 300429:2003 / EN 300429:1998 (2009-08-28) (SABS ETS 300429)	
Digital Video Broadcasting (DVB); Framing structure, channel coding and me	odulation for cable systems
Ed 2.00 A4 20p EN PDF 20p FN	Gr 9
is to present a harmonized transmission standard for cable and satellite, based on addition of appropriate forward error correction (FEC) technique.	the MPEG-2 system layer ISO/IEC DIS 13818-1, with the
SANS 300430:2005 / ETSI EN 300430:2002 (2011-02-24) Fixed Radio Systems; Point-to-point equipment; Parameters for radio system in the 18 GHz frequency band with channel spacing of 55 MHz and 27,5 MHz Ed 1.00 A4 32p EN PDF 32p EN	Gr 11
Specifies parameters for high capacity STM-1 digital radio-relay systems designed spacing between adjacent co-polar channels shall be 55 MHz or 27,5 Mhz.	to operate in the 17,7 GHz to 19,7 GHz band. The channel
SANS 300431:2005 / ETSI EN 300431:2002 (2011-02-24) Fixed Radio Systems; Point-to-point equipment; Parameters for radio system frequency range 24,50 GHz to 29,50 GHz Ed 1.00 A4 37p EN PDF 37p EN	n for the transmission of digital signals operating in the Gr 11 33.060.30
Specifies the minimum performance parameters for terrestrial fixed service radio of 24,50 GHz to 29,50 GHz.	communications equipment operating in the frequency range
SANS 300440-1:2006 / ETSI EN 300440-1:2001 Electromagnetic compatibility and Radio spectrum Matters (ERM); Short ran 40 GHz frequency range Part 1: Technical characteristics and test methods Ed 1.00 A4 48p EN PDF 48p EN	ge devices; Radio equipment to be used in the 1 GHz to Gr 12
Applies to Short Hange Devices (SHDs) transmitters and receivers, operating in ra	ange from 1 GHZ to 40 GHZ.
SANS 300468:2007 / ETS 300468:2006 (SABS ETS 300468) Digital Video Broadcasting (DVB) - Specification for Service Information (SI)	in DVB systems

Specifies the Service Information (SI) data which forms a part of Digital Video Broadcasting (DVB) bitstreams, in order that the user can be provided with information to assist in selection of services and/or events within the bitstream.

Gr 16

33.160.01

SANS 300472:2007 / ETS 300472:2003 (2012-12-14) (SABS ETS 300472)	
Ed 2.00 A4 12p EN	Gr 7
PDF 12p EN	33.160.01
Specifies the method by which ITU-R System B Teletext, also known as EBU Tele	text, may be carried in DVB bitstreams.
SANS 300473:2007 / ETS 300473:1997 (2012-12-14) (SABS ETS 300473)	
Digital Video Broadcasting (DVB); Satellite Master Antenna Television (SMAT	V) distribution systems
Ed 2.00 A4 24p EN	Gr 10
PDF 24p EN	33.060.30; 33.160.01
Describes the transmission system proposal for digital multi-programme television (SMATV) systems.	suitable for distribution in Satellite Master Antenna Television
SANS 300630:2005 / ETSI EN 300630:2001 (2011-02-24) Fixed Radio Systems; Point-to-point equipment; Low capacity point-to-point band	digital radio systems operating in the 1,4 GHz frequency
Ed 1.00 A4 18p EN	Gr 8
PDF 18p EN	33.060.30
Specifies the minimum performance parameters for terrestrial digital fixed service if frequency bands. The requirements and limits given are relevant to all environments	radio communications equipment operating in the 1,4 GHz tal conditions for the chosen climatic class.
SANS 300633:2005 / ETSI EN 300633:2001 (2011-02-24) Fixed Radio Systems; Point-to-point equipment; Low and medium capacity p	oint-to-point digital radio systems operating in the
frequency range 2,1 GHz to 2,6 GHz	
PDF 21p EN	Gr 9 33.060.30
Specifies the minimum performance parameters for terrestrial low and medium car operating in the range 2,1 to 2,6 GHz. The requirements and limits given are relevant	pacity Point-to-Point (P-P) digital fixed service relay equipment ant to all environmental conditions for the chosen climatic class.
SANS 300636:2005 / ETSI EN 300636:2001 (2011-02-24) Fixed Radio Systems; Point-to-multipoint equipment; Time Division Multiple in frequency bands in the range 1 GHz to 3 GHz	Access (TDMA); Point-to-multipoint digital radio systems
PDF 18p EN	33,060,30
Covers the following Point-to-Multipoint (P-MP) applications: voice, telex, low spee (ISDN) (basic rate access) operating in the 1,5 GHz, 2,2 GHz, 2,4 GHz and 2,6 GH	d data (up to 64 kbit/s), and Integrated Services Digital Network Iz bands.
SANS 300639:2005 / ETSI EN 300639:2001 (2011-03-31) Fixed Radio Systems; Point-to-point equipment; Sub-STM-1 digital radio syst	eems operating in the 13 GHz, 15 GHz and 18 GHz
frequency bands with about 28 MHz co-polar and 14 MHz cross-polar channe	l spacing
PDF 25p EN	33,060,30
Specifies the minimum performance parameters for terrestrial fixed services radio and 18 GHz frequency bands.	communications equipment for operation in the 13 GHz, 15 GHz
CANC 200674 1-2006 / ETCLEN 200674 1-2004 (2012 06 20)	
Electromagnetic compatibility and Radio spectrum Matters (ERM); Road Tran Range Communication (DSRC) transmission equipment (500 kbit/s / 250 kbit/ Medical (ISM) band Part 1: General characteristics and test methods for Road	nsport and Traffic Telematics (RTTT); Dedicated Short /s) operating in the 5,8 GHz Industrial, Scientific and 1 Side Units (BSU) and On-Board Units (OBU)
Ed 1.00 A4 79p EN	Gr 14
PDF 79p EN	33.100.01
Applies to Road Transport and Traffic Telematics (RTTT) wireless systems.	
SANS 300706:2007 / ETSI EN 300706:2003 (2012-12-14) Enhanced Teletext specification	
Ed 1.00 A4 15/p EN PDF 157p EN	Gr 18
Defines the application of CCIR Teletext System B, which is optimized for broadca the associated service and product environment.	st media using cable, terrestrial and satellite transmission and
SANS 300744:2005 / ETSI EN 300744:2004 (2011-02-24)	dulation for digital terrestrial television
Ed 1.00 A4 65p EN	Gr 14
PDF 65p EN	33.170
Describes a baseline transmission system for digital terrestrial TeleVision (TV) brountended for digital multi-programme LDTV/SDTV/EDTV/HDTV terrestrial services.	adcasting. Specifies the channel coding/modulation system

Standards South Africa Catalogue 2013

SANS 300786:2005 / ETSI EN 300786:2001 (2011-02-24) Fixed Radio Systems; Point-to-point equipment; Sub-STM-1 digital radio systems hands with about 14 MHz co-polar channel spacing	stems operating in the 13 GHz, 15 GHz and 18 GHz
Ed 1.00 A4 27p EN	Gr 10
FDF 2/p EN	33.060.30
Specifies the minimum performance parameters for terrestrial fixed services radic and 18 GHz frequency bands.	communications equipment for operation in the 13 GHz, 15 GHz
SANS 300836-1:2006 / ETS 300836-1:1998 (2012-06-29) Broadband Radio Access Networks (BRAN); HIgh PErformance Radio Local specification Part 1: Radio type approval and Radio Frequency (RF) conform Ed 1.00 A4 49p EN	Area Network (HIPERLAN) Type 1; Conformance testing nance test specification Gr 12
PDF 49p EN	33.060.99; 35.110
Applies to Units Under Test (UUT) operating in the band 5,15 GHz to 5,30 GHz.	
SANS 301021:2005 / ETSI EN 301021:2003 (2011-02-04) Fixed Radio Systems; Point-to-multipoint equipment; Time Division Multiple in frequency bands in the range 3 GHz to 11 GHz	e Access (TDMA); Point-to-multipoint digital radio systems
Ed 1.00 A4 37p EN	Gr 11
PDF 37p EN	33.060.30
Covers equipment, which may operate in frequency bands that have paired frequency Division Duplex (FDD) or Time Division Duplex (TDD) techniques.	encies, which can be used by either equipment employing
SANS 301091-2:2008 / ETSI EN 301091-2:2004 Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Ra (RTTT); Radar equipment operating in the 76 GHz to 77 GHz range; Part 2: H 3.2 of the R&TTE Directive	nge Devices; Road Transport and Traffic Telematics armonized EN covering essential requirements of article
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	33.100.01; 35.240.60
Applies to Road Transport Traffic and Telematics (RTTT) systems with an integra operating in the frequency range from 76 GHz to 77 GHz. The applicability of the equipment for road vehicles.	l antenna; systems for mobile applications only; and systems present document covers only the 76 GHz to 77 GHz Radar
SANS 301127:2005 / ETSI EN 301127:2002 (2011-02-24) Fixed Radio Systems; Point-to-point equipment; High capacity digital radio frequency bands with about 30 MHz channel spacing and using co-polar arr operation	systems carrying SDH signals (up to 2 x STM-1) in angements or Co-Channel Dual Polarized (CCDP)
Ed 1.00 A4 32p EN PDE 32p EN	Gr 11
	33.060.30
Specifies the minimum performance parameters for a high capacity digital radio-rochannel spacing in the 4 GHz, 6L GHz, 7 GHz, 8L GHz, 13 GHz and 15 GHz band allows to transmit up to 2 x STM-1 signals at the same frequency by using both properation with cross-polar interference canceller techniques (XPIC).	elay system operating in frequency bands with about 30 MHz ds. The channel capacity is 1 x STM-1 on each polarization that plarizations in co-channel dual polarized (CCDP) mode of
SANS 301128:2005 / ETSI EN 301128:2001 (2011-02-24) Fixed Radio Systems; Point-to-point equipment; Plesiochronous Digital Hie systems operating in the 13 GHz. 15 GHz and 18 GHz frequency bands	rarchy (PDH); Low and medium capacity digital radio
Ed 1.00 A4 23p EN	Gr 10
PDF 23p EN	33.060.30
Specifies the minimum performance parameters for terrestrial fixed service digital GHz and 18 GHz frequency bands.	radio communications equipment operating in the 13 GHz, 15
SANS 301213-1:2005 / ETSI EN 301213-1:2002 (2011-02-24) Fixed Radio Systems; Point-to-multipoint equipment; Point-to-multipoint dig GHz to 29,5 GHz using different access methods Part 1: Basic parameters	gital radio systems in frequency bands in the range 24,25
Ed 1.00 A4 24p EN	Gr 10
PDF 24p EN	33.060.30
Specifies the minimum requirements for system parameters of Point-to-Multipoint the terrestrial Fixed Services (FS) operating in the bands 24,5 GHz to 29,5 GHz.	(P-MP) Radio and Multipoint-to-Multipoint (MP-MP) Systems in
SANS 301216:2005 / ETSI EN 301216:2001 (2011-02-04) Fixed Radio Systems; Point-to-point equipment; Plesiochronous Digital Hie digital radio system operating in the frequency bands in the range 3 GHz to	rarchy (PDH); Low and medium capacity and STM-O 11 GHz
Ed 1.00 A4 36p EN	Gr 11
PDF 36p EN	33.060.30
Specifies the minimum performance parameters for low and medium capacity ter operating in the frequency bands between around 3 GHz and 11 GHz; neverthele under any conditions.	restrial fixed service digital radio communication equipment ss such systems should provide the efficient use of the spectrum

Standards South Africa Catalogue 2013 NUM - 853

SANS 301277:2005 / ETSI EN 301277:2001 (2011-02-04) Fixed Radio Systems; Point-to-point equipment; High capacity digital radio s radio frequency channel using Co-Channel Dual Polarized (CCDP) operation	systems transmitting STM-4 or 4 x STM-1 in a 40 MHz
Ed 1.00 A4 28p EN PDF 28p EN	Gr 10
Defines technical parameters for a high capacity Digital Radio Relay System (DRF for example, the 4 GHz, 5 GHz, U 6 GHz and 11 GHz bands.	RS) operating in frequency bands with a 40 MHz channel spacing
SANS 301357-1:2006 / ETSI EN 301357-1:2006 Electromagnetic compatibility and Radio spectrum Matters (ERM); Cordless Technical characteristics and test methods	audio devices in the range 25 MHz to 2 000 MHz Part 1:
Ed 1.00 A4 52p EN PDF 52p EN	Gr 13 33.100.01; 33.160.50
Applies to cordless audio consumer radio microphones, in-ear monitoring equipme kHz, 600 kHz, 1 200 kHz digital FDMA modulation, and band II LPD (low power de	ent using either 300 kHz bandwidth analogue modulation or 300 vices) using 200 kHz bandwidth and analogue modulation.
SANS 301406:2005 / ETSI EN 301406:2003 (2011-02-24) Digital Enhanced Cordless Telecommunications (DECT); Harmonized EN for covering essential requirements under article 3.2 of the R&TTE Directive; Ge Ed 1.00 A4 113p EN	Digital Enhanced Cordless Telecommunications (DECT) neric radio Gr 16
Applies to terminal equipment for the Digital Enhanced Cordless Telecommunicati consists of the following elements: Fixed Part (FP); Portable Part (PP); Cordless T PR combined)	33.070.30 ons (DECT) common interface. DECT terminal equipment erminal Adapter (CTA); Wireless Relay Station (WRS) (FP and
SANS 301428:2008 / ETSI EN 301428:2006 Satellite Earth Stations and Systems (SES); Harmonized EN for Very Small A or receive-only satellite earth stations operating in the 11/12/14 GHz frequence 3.2 of the R&TTE directive	perture Terminal (VSAT); Transmit-only, transmit/receive cy bands covering essential requirements under article
Ed 2.00 A4 64p EN PDF 64p EN	Gr 14
Applies to Very Small Aperture Terminals (VSATs) that operate in one or more free exclusively to the Fixed Satellite Services (FSS): 14,00 GHz to 14,25 GHz (earth-te shared parts of the following bands, allocated to the FSS and Fixed Services (FS): GHz (space-to-earth).	quency ranges in the part of the following bands allocated o-space); 12,50 GHz to 12,75 GHz (space-to-earth); or in the 14,25 GHz to 14,50 GHz (earth-to-space); 10,70 GHz to 11,70
SANS 301430:2005 / ETSI EN 301430:2000 (2011-03-25) Satellite Earth Stations and Systems (SES); Harmonized EN for Satellite New operating in the 11-12/13-14 GHz frequency bands covering essential require	s Gathering Transportable Earth Stations (SNG TES) ments under article 3.2 of the R&TTE directive
Ed 1.00 A4 31p EN PDF 31p EN	Gr 11 33.060.30
Applies to Satellite News Gathering (SNG) Transportable Earth Stations (TESs).	
SANS 301443:2008 / ETSI EN 301443:2006 Satellite Earth Stations and Systems (SES); Harmonized EN for Very Small A receive, receive-only satellite earth stations operating in the 4 GHz and 6 GHz under article 3.2 of the R&TTE Directive	perture Terminal (VSAT); Transmit-only, transmit-and- z frequency bands covering essential requirements
PDF 64p EN	33.060.30
Applies to the Very Small Aperture Terminals (VSATs), with their ancillary equipme boundary limits of the operational environmental profile declared by the applicant.	ent and various terrestrial ports, and when operated within the
SANS 301461:2005 / ETSI EN 301461:2002 (2011-04-08) Fixed Radio Systems; Point-to-point equipment; High capacity fixed radio sy bands with 40 MHz channel spacing and using Co-Channel Dual Polarized (C Ed 1.00 A4 32p EN PDE 32p EN	stems carrying SDH signals (2 x STM-1) in frequency CCDP) operation Gr 11
Specifies the minimum performance parameters for a high capacity digital radio-re spacing in the 4 GHz, 5 GHz, U6 GHz and 11 GHz bands.	lay system operating in frequency bands with 40 MHz channel
SANS 301489-1:2005 / ETSI EN 301489-1:2005 (2010-05-14) (SABS ETSI EN 301489-1) Electromagnetic compatibility and Radio spectrum Matters (ERM) - ElectroMa equipment and services Part 1: Common technical requirements	agnetic Compatibility (EMC) standard for radio
Ed 2.00 A4 42p EN PDF 42p EN	Gr 12 33.060.20; 33.100.01
Contains the common requirements for radio communication equipment and assoc Compatibility. Specifies the applicable EMC tests, the methods of measurement, the associated ancillary equipment.	ciated ancillary equipment, in respect of ElectroMagnetic he limits and the performance criteria for radio equipment and

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 2: Specific conditions for radio paging equipment Ed 2.00 A4 18p EN Gr 8 PDF 18p EN 33.070.20; 33.100.01 Covers, together with part 1, the assessment of paging equipment (receivers, transmitters and combined equipment) and associate equipment, in respect of ElectroMagnetic Compatibility (EMC). SANS 301489-3:2005 / ETSI EN 301489-3:2002 (2010-03-05) (SABS ETSI EN 301489-3) Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GI Ed 2.00 A4 20p EN Gr 9 PDF 20p EN 33.060.20; 33.100.01 Covers, together with part 1, the assessment of Short-Range Devices (SRD) and ancillary equipment in respect of ElectroMagnetic	equipment d ancillary equipment Hz
Ed 2.00 A4 18p EN Gr 8 PDF 18p EN 33.070.20; 33.100.01 Covers, together with part 1, the assessment of paging equipment (receivers, transmitters and combined equipment) and associate equipment, in respect of ElectroMagnetic Compatibility (EMC). SANS 301489-3:2005 / ETSI EN 301489-3:2002 (2010-03-05) (SABS ETSI EN 301489-3) Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GI Ed 2.00 A4 20p EN PDF 20p EN Gr 9 200 Covers, together with part 1, the assessment of Short-Range Devices (SRD) and ancillary equipment in respect of ElectroMagnetic	d ancillary equipment Hz
PDF 18p EN 33.070.20; 33.100.01 Covers, together with part 1, the assessment of paging equipment (receivers, transmitters and combined equipment) and associate equipment, in respect of ElectroMagnetic Compatibility (EMC). SANS 301489-3:2005 / ETSI EN 301489-3:2002 (2010-03-05) (SABS ETSI EN 301489-3) Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GI Ed 2.00 A4 20p EN PDF 20p EN Gr 9 33.060.20; 33.100.01 Covers, together with part 1, the assessment of Short-Range Devices (SRD) and ancillary equipment in respect of ElectroMagnetic	d ancillary • equipment Hz
Covers, together with part 1, the assessment of paging equipment (receivers, transmitters and combined equipment) and associate equipment, in respect of ElectroMagnetic Compatibility (EMC). SANS 301489-3:2005 / ETSI EN 301489-3: Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GI Ed 2.00 A4 20p EN PDF 20p EN Covers, together with part 1, the assessment of Short-Range Devices (SRD) and ancillary equipment in respect of ElectroMagnetic	equipment Hz
SANS 301489-3:2005 / ETSI EN 301489-3:2002 (2010-03-05) (SABS ETSI EN 301489-3) Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GI Ed 2.00 A4 20p EN PDF 20p EN Gr 9 33.060.20; 33.100.01 Covers, together with part 1, the assessment of Short-Range Devices (SRD) and ancillary equipment in respect of ElectroMagnetic	equipment Hz
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GI Ed 2.00 A4 20p EN Gr 9 PDF 20p EN 33.060.20; 33.100.01 Covers, together with part 1, the assessment of Short-Range Devices (SRD) and ancillary equipment in respect of ElectroMagnetic	equipment Hz
Ed 2.00 A4 20p EN Gr 9 PDF 20p EN 33.060.20; 33.100.01 Covers, together with part 1, the assessment of Short-Range Devices (SRD) and ancillary equipment in respect of ElectroMagnetic	
Covers, together with part 1, the assessment of Short-Range Devices (SRD) and ancillary equipment in respect of ElectroMagnetic	
Covers, together with part 1, the assessment of Short-Range Devices (SRD) and ancillary equipment in respect of ElectroMagnetic	
(EMC).	Compatibility
SANS 301489-4:2005 / ETSI EN 301489-4:2002 (2010-03-05) (SABS ETSI EN 301489-4)	
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 4: Specific conditions for fixed radio links and ancillary equipment and services	equipment
Ed 2.00 A4 27p EN Gr 10	
PDF 27p EN 33.060.99; 33.100.01	
Covers, together with part 1, the assessment of Fixed Radio Links and ancillary equipment in respect of ElectroMagnetic Compatibi	lity (EMC).
SANS 301489-5:2003 / ETSI EN 301489-5:2002 (2009-03-13) Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-spe Ed 1.00 A4 14p EN Gr 7	equipment ech)
PDF 14p EN 33.060.20; 33.100.01	
Together with SANS 301489-1[1], covers the assessment of Private land Mobile Radio (PMR) and associated ancillary equipment, i ElectroMagnetic Compatibility (EMC). Covers both the analogue and digital Private land Mobile Radio (PMR) equipment.	in respect of
SANS 301489-6:2005 / ETSI EN 301489-6:2002 (2010-03-05) (SABS ETSI EN 301489-6)	
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 6: Specific conditions for Digital Enhanced Cordless Telecommunications (DECT) equipment	equipment
Ed 2.00 A4 16p EN Gr 8	
PDF 16p EN 33.070.30; 33.100.01	
Covers, together with part 1, the assessment of Digital Enhanced Cordless Telecommunications (DECT) equipment, and associate equipment, in respect of ElectroMagnetic Compatibility (EMC).	d ancillary
SANS 301489-7:2006 / ETSI EN 301489-7:2005 (2011-01-21) (SABS ETSI EN 301489-7)	
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS)	equipment
Ed 3.00 A4 22p EN Gr 9	
PDF 22p EN 33.070.01; 33.100.01	
Covers, together with part 1, the assessment of radio equipment meeting Phase 1, Phase 2, and Phase 2+ GSM and DCS digital cand portable radio equipment transmitting and receiving speech or data, or both, and operating in digital cellular radio telecommunic systems, and associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).	ellular mobile cations
SANS 301489-8:2005 / ETSI EN 301489-8:2002 (2010-03-05) (SABS ETSI EN 301489-8)	
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio and services Part 8: Specific conditions for GSM base stations	

Ed 2.00 A4 20p EN PDF 20p EN 33.070.50; 33.100.01 Covers, together with part 1, the assessment of equipment meeting Phase 2, and Phase 2+ requirements of the GSM and DCS digital cellular radio telecommunications systems and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).

SANS 301489-9:2003 / ETSI EN 301489-9:2002 (2009-03-13)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic compatibility (EMC) standard for radio equipment and services Part 9: Specific conditions for wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices Gr 9

Ed 1.00 A4 20p EN PDF 20p EN

Covers the assessment of wireless microphones, similar RF audio link equipment, cordless audio and in-ear monitoring, intended for the transmission of music and speech, and associated ancillary equipment, in respect of ElectroMagnetic Compatability (EMC).

SANS 301489-11:2004 / ETSI EN 301489-11:2002 (2009-11-27)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 11: Specific conditions for terrestrial sound broadcasting service transmitters Gr 9

Ed 1.00 A4 20p EN PDF 20p EN

Covers the assessment of transmitters, exciters, and any associated ancillary equipment dedicated for radio broadcasting services, in respect of ElectroMagnetic Compatibility (EMC). Specifies the applicable test conditions, performance assessment and performance criteria for terrestrial sound broadcasting transmitters and their associated ancillary equipment.

SANS 301489-12:2005 / ETSI EN 301489-12:2003 (2010-03-05)

(SABS ETSI EN 301489-12)

Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic compatibility (EMC) standard for radio equipment and services Part 12: Specific conditions for Very Small Aperture Terminal, Satellite Interactive Earth Stations operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS) Gr 9

Ed 2.00 A4 22p EN PDF 22p EN

33.060.30: 33.100.01

33.060.20; 33.100.01

Covers, together with part 1, the assessment of Earth Stations (ES) operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS) and associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).

SANS 301489-14:2004 / ETSI EN 301489-14:2003 (2009-11-27)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 14: Specific conditions for analogue and digital terrestrial TV broadcasting service transmitters Gr 9

Ed	1.00	A4 19p EN
		PDF 19p EN

Covers the assessment of analogue and digital transmitters, exciters, and any associated ancillary equipment dedicated for television broadcasting services, in respect of ElectroMagnetic Compatibility (EMC). Specifies the applicable test conditions, performance assessment and performance criteria for analogue and digital terrestrial television broadcasting transmitters and their associated ancillary equipment.

SANS 301489-15:2004 / ETSI EN 301489-15:2002 (2009-11-27)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 15: Specific conditions for commercially available amateur radio equipment

Ed 1.00 A4 21p EN PDF 21p EN

33,060,20: 33,100,01

Covers the assessment of commercially available amateur radio equipment, and associated ancillary equipment, in respect of ElectroMagnetic Compatibility (EMC). Specifies the applicable EMC tests, the methods of measurement, the limits and the performance criteria for radio equipment intended for use by radio amateurs within the meaning of the Radio regulations, and associated ancillary equipment, which is commercially available.

SANS 301489-17:2005 / ETSI EN 301489-17:2002 (2010-03-11)

(SABS ETSI EN 301489-17)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment Gr 8

Ed 2.00 A4 15p EN PDF 15p EN

Covers, together with part 1, the assessment of the 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN (including HIPERLAN 1 and 2 and other) equipment, in respect of ElectroMagnetic Compatibility (EMC).

SANS 301489-18:2003 / ETSI EN 301489-18:2002 (2009-03-13)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 18: Specific conditions for Terrestrial Trunked Radio (TETRA) equipment

Ed 1.00 A4 16p EN PDF 16p EN

Together with SANS 301489-1[1], covers the assessment of TErrestrial Trunked Radio (TETRA) radiocommunications and ancillary equipment in respect of EletroMagnetic Compatibility (EMC). Technical specifications related to the antenna port and emissions from the enclosure port of radio equipment are not included in the present document.

Gr 9

33.100.01; 33.170

33.040.40:33.100.01

33.070.10; 33.100.01

Gr 8

33 100 01

SANS 301489-19:2004 / ETSI EN 301489-19:2002 (2009-11-27)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1,5 GHz band providing data communications

Ed 1.00 A4 14p EN

PDF 14p EN

Covers the assessment of Receive Only Mobile Earth Stations (ROMES), as defined in annex A, and associated ancillary equipment in respect of ElectroMagnetic Compatibility. Specifies the applicable test conditions, performance assessment and performance criteria for ROMES and associated ancillary equipment.

SANS 301489-20:2004 / ETSI EN 301489-20:2002 (2009-11-27) Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 20: Specific conditions for Mobile Earth Stations (MES) used in the Mobile Satellite Services (MSS) Gr 8

Ed 1.00 A4 17p EN PDF 17p EN

Covers the assessment of Mobile Earth Stations (MES), as defined in annex A used within Satellite radio services, and ancillary equipment in respect of ElectroMagnetic Compatibility. Specifies the applicable test conditions, performance assessment and performance criteria for MES and for the associated ancillary equipment.

SANS 301489-22:2005 / ETSI EN 301489-22:2003 (2010-03-11) Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 22: Specific conditions for ground based VHF aeronautical mobile and fixed radio equipment Gr 8

Ed 1.00 A4 16p EN PDF 16p EN

Covers the assessment of ground base station, ground mobile and hand-held/portable aeronautical VHF radio communications and associated ancillary equipment, in respect of ElectroMagnetic Compatibility (EMC). Specifies the applicable test conditions, performance assessment and performance criteria for ground based aeronautical radio equipment and associated ancillary equipment.

SANS 301489-23:2005 / ETSI EN 301489-23:2002 (2010-03-11)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 23: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA) Base Station (BS) radio, repeater and ancillary equipment

Ed 1.00 A4 17p EN PDF 17p EN

Covers the assessment of "3rd generation" digital cellular (IMT-2000 CDMA Direct Spread) (UTRA) base station equipment, repeaters and associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC). Specifies the applicable test conditions, performance assessment and performance criteria of 3rd generation digital cellular (IMT-2000 CDMA Direct Spread) (UTRA) base station radio equipment and associated ancillary equipment.

SANS 301489-24:2006 / ETSI EN 301489-24:2005 (2011-02-04)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 24: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA) for Mobile and portable (UE) radio and ancillary equipment

Ed 2.00 A4 23p EN PDF 23p EN

Covers, together with part 1, the assessment of "3rd generation" digital cellular (IMT-2000 CDMA Direct Spread) (UTRA) mobile and portable (UE) radio terminal equipment and associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).

SANS 301489-25:2006 / ETSI EN 301489-25:2005 (2011-02-04) Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 25: Specific conditions for CDMA 1x spread spectrum Mobile Stations and ancillary equipment Gr 10

Ed 2.00 A4 23p EN PDF 23p EN

Covers, together with SANS 301489-1, the assessment of CDMA 1x spread spectrum mobile and portable (UE) radio terminal equipment and associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).

SANS 301489-26:2005 / ETSI EN 301489-26:2005 (2010-03-11)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 26: Specific conditions for CDMA 1x spread spectrum Base Stations, repeaters and ancillary equipment

Ed 1.00 A4 19p EN

PDF 19p EN

Covers the assessment of CDMA 1x spread spectrum base station equipment, repeaters and associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).

33.070.10: 33.100.01

Gr 8

Gr 10

Gr 9

33.070.10: 33.100.01

33.070.10; 33.100.01

33.070.10; 33.100.01

Gr 7

33.060.20: 33.100.01

33.070.40: 33.100.01

33.070.10; 33.100.01

SANS 301502:2005 / ETSI EN 301502:2001 (2011-03-25) Harmonized EN for Global System for Mobile communications (GSM); Base Station and Repeater equipment covering essential requirements under article 3.2 of the R&TTE directive (GSM 13.21 version 8.1.2 Release 1999) Ed 1.00 A4 12p EN Gr 7

PDF 12p EN

Specifies minimum technical performance requirements for the following radio equipment type: GSM base station system; GSM repeater equipment. This radio equipment type is for operation within the digital cellular telecommunications system in the GSM frequency bands as shown in the frequency bands for GSM base station system table, with a channel separation of 200 kHz, carrying traffic channels according to the time division multiple access (TDMA) principle.

33.070.50

33.070.50

SANS 301511:2005 / ETSI EN 301511:2003 (2011-03-25)

Global System for Mobile communications (GSM); Harmonized EN for mobile stations in the GSM 900 and GSM 1800 bands covering essential requirements under article 3.2 of the R&TTE directive (1999/5/EC) Gr 10

Ed 1.00 A4 23p EN PDF 23p EN

Applies to the following radio telecommunications terminal equipment type: GSM mobile station. This radio equipment type is for operation within the digital cellular telecommunications system in the GSM 900 or GSM 1800 frequency bands (or both), as shown in the frequency bands for GSM 900 and GSM 1800 mobile station system table, with a channel separation of 200 kHz, utilizing constant envelope modulation and carrying traffic channels according to the time division multiple access (TDMA) principle.

SANS 301669:2005 / ETSI EN 301669:2001 (2011-03-25)

Fixed Radio Systems; Point-to-point equipment; High capacity digital radio STM-1 in a 40 MHz channel with alternate channel arrangement	systems carrying STM-4 in two 40 MHz channels or 2 x			
Ed 1.00 A4 26p EN	Gr 10			
PDF 26p EN	33.060.30			
Specifies parameters for digital radio-relay systems with Transport Module-level 4 (1 x STM-4) interface, and in addition, optional 140 Mbit/s PDH interfaces.				
SANS 301751:2005 / ETSI EN 301751:2002 (2011-03-25)				
Fixed Radio Systems; Point-to-point equipments and antennas; Generic harmonized standard for Point-to-Point digital fixed radio systems and antennas covering the essential requirements under article 3.2 of the 1999/5/EC Directive				
Ed 1.00 A4 41p EN	Gr 12			
PDF 41p EN	33.060.30			
Applies to the following digital fixed radio systems (DFRS) types: point-to-point sy ordination, point-to-point systems intended for operation in frequency bands that o DFRS.	stems intended for operation in frequency bands that require co- do not require co-ordination, and antennas for point-to-point			

SANS 301753:2005 / ETSI EN 301753:2003 (2011-03-25)

Fixed Radio Systems; Multipoint equipment and antennas; Generic harmonized standard for multipoint digital fixed radio systems and antennas covering the essential requirements under article 3.2 of the Directive 1999/5/EC Ed 1.00 A4 52p EN Gr 13

PDF 52p EN

Applies to the following digital fixed radio systems (FDRS) types: multipoint FDRS intended for operation in frequency bands that require coordination, antennas for multipoint FDRS and antennas for point-to-point FDRS used at the terminal or repeater station of multipoint FDRS systems (or both).

SANS 301797:2005 / ETSI EN 301797:2000 (2011-04-08)

Electromagnetic compatibility and Radio Spectrum Matters (ERM); Harmonized EN for CT2 cordless telephone equipment covering	J
essential requirements under article 3.2 of the R&TTE Directive	

Ed 1.00 A4 35p EN PDF 35p EN 33 100 01

Applies to CT2 cordless telephone terminal equipment, which is capable of operating in all or any part of the following frequency bands: Transmit CT2: 864,1 MHz to 868,1 MHz; Receive CT2: 864,1 MHz to 868,1 MHz.

SANS 301843-1:2005 / ETSI EN 301843-1:2004 (2010-03-05)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services; Part 1: Common technical requirements

Ed 1.00 A4 35p EN PDF 35p EN

Contains the common requirements for marine radio communications equipment and associated ancillary equipment, in respect of ElectroMagnetic Compatibility (EMC). Specifies the applicable EMC tests, the methods of measurement, the limits and the performance criteria for marine radio equipment and associated ancillary equipment.

33.060.20; 33.100.01

33.060.30

Gr 11

SANS 301843-2:2005 / ETSI EN 301843-2:2004 (2010-03-05) Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroM equipment and services Part 2: Specific conditions for VHF radiotelephone	agnetic Compatibility (EMC) standard for marine radio transmitters and receivers
Ed 1.00 A4 14p EN	Gr 7
	33.060.20; 33.100.01
ElectroMagnetic Compatibility (EMC). Specifies the applicable test conditions, per radiotelephone transmitters and receivers for the maritime mobile service, and the	formance assessment, and performance criteria for VHF e associated ancillary equipment.
SANS 301893:2006 / ETSI EN 301893:2005 Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; article 3.2 of the R&TTE Directive	Harmonized EN covering essential requirements of
Ed 1.00 A4 51p EN	Gr 13
PDF 51p EN	33.020; 33.060.20; 35.110
Applies to 5 GHz high performance RLAN equipment that is intended to operate in to 5 725 MHz on any of the relevant carrier frequencies.	n the frequency ranges 5 150 MHz to 5 350 MHz and 5 470 MHz
SANS 301908-1:2006 / ETSI EN 301908-1:2003 Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stat 2000 Third-Generation cellular networks Part 1: Harmonized EN for IMT-2000 essential requirements of article 3.2 of the R&TTE Directive	tions (BS), Repeaters and User Equipment (UE) for IMT-), introduction and common requirements, covering
Ed 1.00 A4 23p EN PDE 23p EN	Gr 10
Applies to user equipment repeaters and base stations for IMT 2000, execut for L	33.100.01
intended to be used together with it.	MT-2000 FDMA/TDMA (DECT), and ancinary equipment which is
SANS 301908-2:2006 / ETSI EN 301908-2:2003 Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Sta 2000 Third-Generation cellular networks Part 2: Harmonized EN for IMT-2000 essential requirements of article 3.2 of the R&TTE Directive	tions (BS), Repeaters and User Equipment (UE) for IMT-), CDMA Direct Spread (UTRA FDD) (UE) covering
PDF 36p EN	33.100.01
Applies to user equipment for IMT-2000 CDMA Direct Spread (UTRA FDD).	
SANS 301908-3:2006 / ETSI EN 301908-3:2003 Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Sta 2000 Third-Generation cellular networks Part 3: Harmonized EN for IMT-2000 essential requirements of article 3.2 of the R&TTE Directive	tions (BS), Repeaters and User Equipment (UE) for IMT-), CDMA Direct Spread (UTRA FDD) (BS) covering
Ed 1.00 A4 38p EN PDF 38p EN	Gr 11 33 060 20: 33 100 01
Applies to base stations for IMT-2000 CDMA Direct Spread (UTBA FDD)	0.000.20, 00.100.01
SANS 301908-4:2006 / ETSI EN 301908-4:2003 Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Sta 2000 Third-Generation cellular networks Part 4: Harmonized EN for IMT-2000 requirements of article 3.2 of the R&TTE Directive	tions (BS), Repeaters and User Equipment (UE) for IMT-), CDMA Multi-Carrier (cdma2000) (UE) covering essential
Ed 1.00 A4 60p EN	Gr 13
	33.060.20; 33.100.01
Applies to mobile stations for IM1-2000 CDMA multi-carrier (cdma2000).	
SANS 301908-5:2006 / ETSI EN 301908-5:2003 Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Sta 2000 Third-Generation cellular networks Part 5: Harmonized EN for IMT-2000 covering essential requirements of article 3.2 of the R&TTE Directive	tions (BS), Repeaters and User Equipment (UE) for IMT-), CDMA Multi-Carrier (cdma2000) (BS and Repeaters)
Ed 1.00 A4 52p EN PDE 52p EN	Gr 13
Applies to been stations and repeaters for IMT 2000 CDMA multi-service (edmo20	33.060.20; 33.100.01
Applies to base stations and repeaters for IMT-2000 CDMA multi-carrier (coma20	00).
SANS 301908-6:2006 / ETSI EN 301908-6:2003 Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Sta 2000 Third-Generation cellular networks Part 6: Harmonized EN for IMT-2000 requirements of article 3.2 of the R&TTE Directive	tions (BS), Repeaters and User Equipment (UE) for IMT-), CDMA TDD (UTRA TDD) (UE) covering essential
Ed 1.00 A4 42p EN	Gr 12
	33.060.20; 33.100.01
Applies to user equipment for IMT-2000 CDMA TDD (UTRA TDD).	

SANS 301908-7:2006 / ETSI EN 301908-7:2005 Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stat 2000 Third-Generation cellular networks Part 7: Harmonized EN for IMT-2000 requirements of article 3.2 of the R&TTE Directive	ions (BS), Repeaters and User Equipment (UE) for IMT- , CDMA TDD (UTRA TDD) (BS) covering essential
Ed 1.00 A4 58p EN	Gr 13
PDF 58p EN	33.060.20; 33.100.01
Applies to base stations for IMT-2000 CDMA TDD (UTRA TDD).	
SANS 301908-8:2006 / ETSLEN 301908-8:2002	
Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stat 2000 Third-Generation cellular networks Part 8: Harmonized EN for IMT-2000 requirements of article 3.2 of the R&TTE Directive	ions (BS) Repeaters and User Equipment (UE) for IMT- , TDMA Single-Carrier (UWC 136) (UE) covering essential
Ed 1.00 A4 71p EN	Gr 14
PDF 71p EN	33.060.20; 33.100.01
Applies to IMT-2000 TDMA-SC UE.	
SANS 301908-9:2006 / ETSI EN 301908-9:2002	
Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stat 2000 Third-Generation cellular networks Part 9: Harmonized EN for IMT-2000 requirements of article 3.2 of the R&TTE Directive	ions (BS), Repeaters and User Equipment (UE) for IMT- , TDMA Single-Carrier (UWC 136) (BS) covering essential
Ed 1.00 A4 69p EN	Gr 14
PDF 69p EN	33.070.01; 33.100.01
Applies to IMT-2000 TDMA - Single-Carrier (SC) base station.	
SANS 301908-10:2006 / ETSI EN 301908-10:2003 Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stat 2000 Third-Generation cellular networks Part 10: Harmonized EN for IMT-200 of article 3.2 of the R&TTE Directive	ions (BS), Repeaters and User Equipment (UE) for IMT- 0, FDMA/TDMA (DECT) covering essential requirements
Ed 1.00 A4 120p EN	Gr 16
PDF 120p EN	33.100.01
Applies to terminal equipment for IMT-FT.	
SANS 301908-11:2006 / ETSI EN 301908-11:2004 Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stat 2000 Third-Generation cellular networks Part 11: Harmonized EN for IMT-200 essential requirements of article 3.2 of the R&TTE Directive	ions (BS), Repeaters and User Equipment (UE) for IMT- 0, CDMA Direct Spread (UTRA FDD) (Repeaters) covering
Ed 1.00 A4 34p EN	Gr 11
PDF 34p EN	33.100.01
Applies to repeaters for IMT-2000 CDMA Direct Spread (UTRA FDD).	
SANS 301179:2012 / ETSI EN 301179:2001	
Fixed Radio Systems; Point-to-multipoint equipment; Frequency Hopping Co multipoint Digital Radio Relay Systems (DRRS) in the bands within the range	de Division Multiple Access (FH-DMA); Point-to 1 GHz to 3 GHz
Ed 1.00 A4 25p EN	Gr 10
PDF 25p EN	33.060.30
Covers typical Point-to-Multipoint applications, delivered directly or indirectly, or in voiceband data, telex, data up to 64 kbits/s, ISDN and internet access in the freque Code Division Multiple Access (FH-CDMA) systems.	any superimposed transport network layer for voice, fax, ency band of 1 GHz to 3 GHz using the Frequency Hopping -
SANS 302217-2-2:2008 / ETSI EN 302217-2-2:2004 Fixed Radio Systems; Characteristics and requirements for point-to-point eq essential requirements of Article 3.2 of R&TTE Directive for digital systems o ordination is applied	uipment and antennas Part 2-2: Harmonized EN covering perating in frequency bands where frequency co-
Ed 1.00 A4 85p EN	Gr 15
PDF 85p EN	33.060.30; 33.120.40
Specifies the essential requirements for Digital Fixed Radio Systems (DFRS) oper planning.	ating in frequency bands, which require co-ordinated frequency
SANS 302217-3-2008 / ETSI EN 202217-2-20005	
Fixed Radio Systems; Characteristics and requirements for point-to-point eq essential requirements of Article 3.2 of R&TTE Directive for equipment opera ordination is applied	uipment and antennas Part 3: Harmonized EN covering ting in frequency bands where no frequency co-
Ed 1.00 A4 36p EN	Gr 11
	33.060.30; 33.120.40
Specifies the essential requirements for Digital Fixed Radio Systems (DFRS) oper frequency planning.	ating in frequency bands, which do not require co-ordinated

Standards South Africa Catalogue 2013 NUM - 860

SANS 302217-4-2:2008 / ETSI EN 302217-4-2:2006 Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas Part 4-2: Harmonized EN covering essential requirements of Article 3.2 of R&TTE Directive for antennas Ed 1.00 A4 33p EN Gr 11 PDF 33p EN 33.060.30; 33.120.40 Applicable to fixed radio system products with integral antennas, as well as to separate antenna products, to which only the relevant technical requirements apply. SANS 302326-2:2012 / ETSI EN 302326-2:2007 Fixed Radio Systems; Multipoint Equipment and Antennas Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive for Digital Multipoint Radio Equipment EN 302326-3 V1.3.1 (2008-02) Ed 2.00 A4 64p EN Gr 14 PDF 64p EN 33.060.30: 33.120.40 Covers the characteristics and requirements for fixed multipoint radio equipment and antennas using a variety of access and duplex methods and operating at a variety of bit rates in frequency bands. SANS 302326-3:2008 / ETSI EN 302326-3:2006 Fixed Radio Systems; Multipoint Equipment and Antennas Part 3: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive for Multipoint Radio Antennas Ed 1.00 A4 41p EN Gr 12 PDF 41p EN 33.060.30; 33.120.40 Applicable to the essential requirements of equipment (including equipment with integral antennas) used in fixed multipoint radio systems intended for use in the frequency bands identified in EN 302326-1. SANS 302561:2010 / ETSI EN 302561:2009 Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment using constant or nonconstant envelope modulation operating in a channel bandwidth of 25 kHz, 50 kHz, 100 kHz or 150 kHz; Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive Ed 1.00 A4 64p EN Gr 14 PDF 64p EN 33.070.10 fit in a modular structure to cover all radio and telecommunications terminal equipment within the scope of the R&TTE Directive. The equipment comprises a transmitter and associated encoder and modulator and/or a receiver and associated demodulator and decoder. SANS 302755:2012 / ETSI EN 302755:2011 Digital Video Broadcasting (DVB); Frame structure channel coding and modulation for a second generation digital terrestrial television broadcasting system (DVB-T2) Ed 1.00 A4 179p EN Gr 25 PDF 179p EN 33.100; 33.160.25; 33.170 Describes a second generation baseline transmission system for digital terrestrial television broadcasting. Specifies the channel coding/modulation system intended for digital television services and generic data streams. SANS 303035-1:2004 / ETSI EN 303035-1:2001 (2009-08-28) Terrestrial Trunked Radio (TETRA); Harmonized EN for TETRA equipment covering essential requirements under article 3.2 of the R&TTE Directive Part 1: Voice plus Data (V+D) Ed 1.00 A4 85p EN Gr 15 PDF 85p EN 33.070.10 Specifies the technical characteristics to be provided by Terrestrial Trunked Radio (TETRA) radio and telecommunications terminal equipment, which uses the TETRA technology for Trunked Mode Operation at the air interface to support the Voice plus Data (V+D) functionality. Applies at TETRA Mobile Station (MS); TETRA DMO Gateway (DM-GATE); TETRA TMO Repeater (TMO-REP). SANS 303035-2:2004 / ETSI EN 303035-2:2003 (2009-08-28) Terrestrial Trunked Radio (TETRA); Harmonized EN for TETRA equipment covering essential requirements under article 3.2 of the R&TTE Directive Part 2: Direct Mode Operation (DMO) Ed 1.00 A4 112p EN Gr 16 PDF 112p EN 33.070.10 Specifies the technical characteristics to be provided by Terrestrial Trunked Radio (TETRA) radio and telecommunications terminal equipment. which uses the TETRA technology for Direct Mode Operation at the air interface to support the Direct Mode Operation (DMO) functionality. Applies at the TETRA Direct Mode Operation (DMO) Air interface of the following radio and telecommunication terminal equipment types: TETRA Direct Mode Mobile Station (DM-MS); TETRA Direct Mode GATEway (DM-GATE); TETRA Direct Mode REPeater type 1 (DM-REP1); TETRA Direct Mode REPeater type 2 (DM-REP2). SATR 25743:2010 / ISO/TR 25743:2010

Lifts (elevators) - Study of the use of lifts for evacuation during an emergency Ed 1.00 A4 37p EN Gr 11 PDF 37p EN 91.140.90

Investigates and highlights the main risks associated with using lifts (elevators) for the evacuation of persons in various types of emergency.

Covers the technical requirements for radio transmitters and receivers used in stations in the Private Mobile Radio (PMR) service. It is designed to

the TETRA Voice plus Data (V+D) Air interface of the following radio and telecommunication terminal equipment types: TETRA Base Station (BS);

M 33 A: 1	992	
The inte	rnational metric system (SI). Guide to the use of the SI in South Afric	a
Ed 2.00	A4 42p EN PDF 42p EN	Gr 5 01 060: 17 020
Covers g	uidelines to the use of the International Metric System (SI) in South Africa	a.
ARP 5:2	010 / IWA 5:2006	
Emerge	ncy preparedness	
Ed 1.00	A4 24p EN PDF 24p EN	Gr 10 13.200
Presents provides standard organiza	the consensus of the workshop participants on the subject of emergency recommendations and guidance to ISO/TC 223 as the first step in a proc s on this subject, and provides the reader with some additional resources tions and entities.	preparedness in the form of the workshop recommendations, ess that may eventually lead to the development of international for further exploration of this area which is crucial to all
ARP 6:2 Guidelin	010 / IWA 6:2008 les for the management of drinking water utilities under crisis condit	ions
Ed 1.00	A4 42p EN	Gr 12
	PDF 42p EN	13.060.01
Identifies establish any body roadmap	and charts the critical elements that are of great significance to drinking ment of guidelines on management systems for drinking water utilities un responsible for the management of parts of the water supply system, to for possible relevant international standards that could be useful and cou	water security. Sets in motion a continuous process for the der crisis conditions. Provides the guidelines for a water utility, or be prepared and ready to manage a water crisis. Provides a ld be developed.
ARP 006 A quide	:2012 to health hazards and personal protection in the paint industry	
Ed 2.00	A4 18p EN	Gr 8
	PDF 18p EN	13.100; 87.040
Describe exposed provide p	s a system for the immediate recognition, by any employee, of the health and simultaneously the type of personal protection needed should the po paint manufacturers with a means of facilitating compliance with the relevant	hazard potential of any given substance to which he may be tential exposure level to that substance require it, in order to ant national legislation.
ARP 007	:1992 (2002-07-30)	
The care	e, maintenance and use of motor vehicle tyres and rims (incorporation	g TREDCO guidelines)
Ed 2.00	A4 30p EN PDF 30p EN	Gr 9 42 040 50: 82 160 10
Sets out	practices relevant to the care, maintenance and use of motor vehicle tyre	s and rims.
ARP 013 Rules fo	:2006 r the structure and drafting of national standards	
Ed 3.01	A4 77p EN PDF 77p EN	Gr 13 01.120
Spedifies These ru practicat	s rules for the structure and drafting of documents intended to become So les are intended to ensure that such documents, prepared by the commit ble, irrespective of the technical content.	uth African National Standards and other normative documents. tee secretariats of StanSA, are drafted in as uniform a manner as

Am 1(National), 2006-09-22

ARP 14:2008 / ISO/IEC Guide 14:2003 Purchase information on goods and services intended for consumers

		3	 	
Ed 1.00	A4 20p EN			Gr 9
	PDF 20p EN			03.080.30

Applicable to the provision of information concerning products and services before purchase. Outlines general principles and recommendations for contents, methods, formats and design such that the information will enable consumers to compare and choose products or services. It also recommends general rules for the creation and implementation of purchase information systems and purchase information bodies.

ARP 015:1998

Methodo	blogy for the development of standards	
Ed 2.00	A4 18p EN PDF 18p EN	Gr 9 01.120

ISO/IEC Directives Part 2:1992, NEQ

Consists of a set of recommendations regarding the methodology for the development of standards for use in South Africa.

ARP 035:2007 Guidelines for the installation and maintenance of street lighting	
Ed 2.03 A4.64p EN	Gr 13
PDF 64p EN	93.080.40
Discusses the need for, and the advantages of, installing public street lighting. Str	reet lighting promotes better traffic flow, improves the appearance
of city centres and residential areas and is a major deterrent to crime and vandalis	sm.
Am 1(National), 2003-11-07 Am 2(National), 2005-02-04	Am 3(National), 2007-09-07
ARP 040:1998 (2012-09-28)	
The use of reinforcement cover devices for reinforced concrete	Gr 8
PDF 19p EN	91.080.40
Covers provisions to achieve and maintain cover over reinforcement in in situ rein loads. Where appropriate, the basic principles can also be applied to precast contrat comply with SANS 920 and SANS 1024.	forced concrete members that are subject to normal construction crete or proprietary systems. Applies to all types of reinforcement
ARP 41:2008 / ISO/IEC Guide 41:2003 Packaging - Recommendations for addressing consumer needs	
Ed 1.00 A4 12p EN	Gr 7
PDF 12p EN	03.080.30; 55.020
Gives the general recommendations to be taken into consideration when determin sale to protect goods.	ning the most suitable type of packaging to be used at the point of
ARP 051:2002	
Steel wire rope end connections	0.45
Ed 1.00 A4 68p EN PDF 68p EN	Gr 15 53 020 30: 77 140 65
Describes the production and inspection of wire rope end connections, and gives	a classification of the various types of rope end connections
ARP 056:2007	
Ed 1 01 A4 14p EN	Gr 6
PDF 14p EN	75.160.10
Covers perfomance and physical requirements for low smoke solid fuels intended particulates emissions. Am 1(National). 2007-11-23	for use in households.It includes requirements for sulfur and total
ABP 060-2004 (2012-06-15)	
Guidance on the use and application of hot-dip galvanized steel piping for the	he transportation of potable water in South Africa
Ed 1.00 A4 22p EN	Gr 8
PDF 22p EN	93.025
Gives guidance on water parameters for satisfactory usage of hot-dip galvanized	steel piping for the transportation of potable water.
ARP 061:2012	
Procurement guide for large cage and wound-rotor induction motors of med	lium voltage
Ed 1.01 A4 21p EN PDE 21p EN	Gr 8
Covers standardized user requirements for large, three phase, alternating ourrent	29.100.30
(slip-ring) types, horizontal and vertical mounting and suitable for ventilated coolin exchangers, or other enclosure types, all generally in accordance with SANS 6003 Am 1(National), 2012-03-02	ig or closed air-circuit with air-to-air or air-to-water heat 34-1.
ARP 062-1:2005 / IEC/TS 62257-1:2003 (2011-03-25)	
Recommendations for small renewable energy and hybrid systems for rural electrification	electrification Part 1: General introduction to rural
Ed 1.00 A4 12p EN	Gr 7
systems for rural electrification in areas too far from the normal electrical-grid.	peration and maintenance of renewable energy and hybrid
,	
ARP 062-2:2005 / IEC/TS 62257-2:2004 (2011-03-25)	- In the Part O. Fr
ARP 062-2:2005 / IEC/TS 62257-2:2004 (2011-03-25) Recommendations for small renewable energy and hybrid systems for rural electrification systems	electrification Part 2: From requirements to a range of
ARP 062-2:2005 / IEC/TS 62257-2:2004 (2011-03-25) Recommendations for small renewable energy and hybrid systems for rural electrification systems Ed 1.00 A4 64p EN	electrification Part 2: From requirements to a range of Gr 14
ARP 062-2:2005 / IEC/TS 62257-2:2004 (2011-03-25) Recommendations for small renewable energy and hybrid systems for rural electrification systems Ed 1.00 A4 64p EN PDF 64p EN	electrification Part 2: From requirements to a range of Gr 14 27.190

Standards South Africa Catalogue 2013 NUM - 863

Standards South Africa Catalogue	2013
NUM - 864	

systems. Provides regulations and installation conditions for Battery Management Systems to be complied with to ensure the life and proper

PDF 39p EN 27.100; 27.160; 27.180; 29.160.20

power to isolated sites used in systems as described in IEC/TS 62257-2 (published in South Africa as an identical adoption under the designation ARP 062-2)

ARP 062-7:2008 / IEC/TS 62257-7:2008

Recommendations for small renewable energy and hybrid systems for rural electrification Part 7: Generators

Ed 1.00 A4 14p EN

Specifies general requirements for generators with maximum power equal to 100 kVA in decentralized rural electrification systems. Identifies main items to be considered when selecting, sizing, installing, operating and maintaining the equipment. ARP 062-8-1:2007 / IEC/TS 62257-8-1:2007 (2013-02-01) Recommendations for small renewable energy and hybrid systems for rural electrification Part 8-1: Selection of batteries and battery

Recommendations for small renewable energy and hybrid systems for rural electrification Part 7-1: Generators - Photovoltaic

Specifies general requirements for the design and safety of generators used in decentralized rural electrification systems.Contains requirements for extra low voltage (ELV) and low voltage (LV) PV arrays. Gives requirements for d.c. voltages below and above 120 V, and addresses safety requirements that arise from particular characteristics of PV systems.

Recommendations for small renewable energy and hybrid systems for rural electrification Part 7-3: Generator set - Selection of generator sets for rural electrification systems

Ed 1.00 A4 39p EN Gr 11

Specifies general requirements for the selection, sizing, erection and operation of generator sets in decentralized rural electrification systems.

Applies to all low-voltage combustion engine electricity generator sets with a rated power up to 100 kVA, and designed for supplying electrical

Ed 1.00 A4 35p EN PDF 35p EN

ARP 062-3:2006 / IEC/TS 62257-3:2004 (2012-08-17)

ARP 062-4:2006 / IEC/TS 62257-4:2005 (2012-08-17)

ARP 062-5:2006 / IEC/TS 62257-5:2005 (2012-08-17)

management Ed 1.00 A4 47p EN

systems

Ed 1.00 A4 70p EN

implemented.

hazards

PDF 47p EN

PDF 70p EN

Specifies the general requirements for the protection of persons and equipment against electrical hazards to be applied in decentralized rural

electrification systems.

ARP 062-6:2006 / IEC/TS 62257-6:2005 (2012-08-17) Recommendations for small renewable energy and hybrid systems for rural electrification Part 6: Acceptance, operation.

maintena	nance and replacement	
Ed 1.00	A4 20p EN	
	PDF 20p EN	

Intended to describe the various rules to be applied for acceptance, operation, maintenance and replacement of decentralized rural electrification systems which are designed to supply electric power for sites which are not connected to a large interconnected system, or a national grid, in order to meet basic needs.

ARP 062-7-1:2011 / IEC/TS 62257-7-1:2010

generators		
Ed 2.00 A4 82p EN		Gr 16

PDF 82p EN 27 190

ARP 062-7-3:2008 / IEC 62257-7-3:2008

installation of PV installations. For use as a guideline, does not replace any existing SANS standard on batteries.

PDF 14p EN

developing countries Ed 1.00 A4 24p EN

PDF 24p EN

Recommendations for small renewable energy and hybrid systems for rural electrification Part 5: Protection against electrical

Gr 11 27.190

during all the steps of the electrification project. Also provides information on the responsibilities involved in the implementation of rural power

Gr 12

27.190

Recommendations for small renewable energy and hybrid systems for rural electrification Part 4: System selection and design

Gr 14

27,100 Provides a method for describing the results to be achieved by the electrification system independently of the technical solutions that could be

NUMERICAL LIST OF STANDARDS

Recommendations for small renewable energy and hybrid systems for rural electrification Part 3: Project development and

Proposes a framework for project development and management and includes recommended information that should be taken into consideration

27.160; 27.180; 27.190 Proposes comparative tests for selecting the most acceptable model of automotive flooded lead-acid batteries for PV individual electrification

Gr 9 27,190

Gr 7

27.100; 27.160; 27.180; 29.160.20

management systems for stand-alone electrification systems - Specific case of automotive flooded lead-acid batteries available in

ARP 062-9-1:2009 / IEC/TS 62257-9-1:2008 Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-1: Micropower systems

27.160; 27.180 Applies to micropower plant for electric energy generation subsystem associated with a decentralized rural electrification system. Provides general requirements for the design, erection and operation of micropower plants and general requirements to ensure the safety of persons and property. Micropower plants covered are low-voltage a.c., three-phase or single-phase, with rated capacity less than, or equal to, 100 kVA.

Gr 13

Gr 13

27.160: 27.180: 27.190

ARP 062-9-2:2008 / IEC/TS 62257-9-2:2006

Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-2: Microgrids

Ed 1.00 A4 53p EN PDF 53p EN

Ed 1.00 A4 56p EN

PDF 56p FN

Specifies general requirements for the design and implementation of microgrids used in decentralized rural electrification to ensure the safety of persons and property and their satisfactory operation according to the scheduled use.

ARP 062-9-3:2008 / IEC/TS 62257-9-3:2006

Recomm	endations for small renewable energy and hybrid systems for rural of	electrification Part 9-3: Integrated system - User interface
Ed 1.00	A4 14p EN	Gr 7
	PDF 14p EN	27.160: 27.180: 27.190

Specifies general requirements for the design and implementation of the interface equipment within the user's installation which connects to a microgrid or the generating part of a stand-alone system.

ARP 062-9-4:2008 / IEC/TS 62257-9-4:2006

Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-4: Integrated system - User installation

Ed 1.00 A4 22p EN PDF 22p EN

Specifies general requirements for the design and implementation of a user's installation for the purpose of ensuring satisfactory operation, and the safety of persons and property. Applies to single-phase user's electrical installations with a maximum power of 500 VA fed from a microgrid supplying 120 V a.c. or 230 V a.c.

ARP 062-9-5:2007 / IEC/TS 62257-9-5:2007 (2013-02-01)

Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-5: Integrated system - Selection of portable PV lanterns for rural electrification projects

Ed 1.00 A4 32p EN PDF 32p EN

Provides tests applicable to portable solar photovoltaic lanterns. Assists with a selection of the most appropriate product within some different market offer available for PV electrification projects. Provides provisions of regulations and installation conditions to be complied with to ensure the life and proper operation of the selected lantern. For use as a guideline, does not replace any existing SANS standard on batteries.

ARP 062-9-6:2009 / IEC/TS 62257-9-6:2008

Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-6: Integrated system - Selection of Photovoltaic Individual Electrification Systems (PV-IES)

Ed 1.00 A4 38p EN PDF 38p EN 27.160; 27.180

Proposes a simple selection procedure and cheap, comparative tests which can be performed in laboratories of developing countries, in order to identify the most suitable model of small Photovoltaic Individual Electrification Systems (PV-IES) up to 500 Wp for a rural electrification project from a number of products submitted for test.

ARP 062-12-1:2008 / IEC/TS 62257-12-1:2007

Recommendations for small renewable energy and hybrid systems for rural electrification Part 12-1: Selection of self-ballasted lamps (CFL) for rural electrification systems and recommendations for household lighting equipment

Ed 1.00 A4 20p EN PDF 20p EN

Intended to assist project implementers to discriminate and select models of lamps which could have the lowest impact on the generation and distribution subsystems. Deals with compact fluorescent technology lamps of power rating less than 60 W, with an Edison screw E27 or bayonet B22 cap, with nominal voltage from 100 V to 250 V a.c. To be used as a guideline, does not replace any existing SANS standard on lamps.

ARP 063:2009 / IWA 4:2009

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Quality management systems - Guidelines for the application of ISO 9001:2008 in local government

2.00	A4 67p EN			Gr 15	
	PDF 67p EN			03.120.10	

Provides local governments with guidelines for the voluntary application of ISO 9001:2008 (published in South Africa as an identical adoption under the designation SANS 9001) on an integral basis. These guidelines do not add, change or modify requirements of ISO 9001:2008.

Gr 9 27.160; 27.180; 27.190

Gr 11 27.160; 27.180; 27.190



Gr 11

27.160; 27.180; 27.190

Gr 13

Gr 13 01.140.20

01.080.10; 01.080.20

ARP 064:2005 / ISO 16069:2004 (2012-10-26)

Graphical symbols - Safety signs - Safety way guidance systems (SWGS)

Ed 1.00 A4 58p EN

PDF 58p EN

Describes the principles governing the design and application of visual components used to create a safety way guidance system (SWGS). Contains general principles that are valid both for electrically powered and for phosphorescent components.

ARP 065:2007

Test and fitment centres for airbags

Ed 1.00 A4 28p EN	Gr 9
PDF 28p EN	43.040.80; 43.180

Describes minimum industry-accepted requirements for test and fitment centres for airbags that perform high-quality testing, repairs and replacements of airbags, including all in-vehicle electronic safety systems in motor vehicles.

ARP 066:2006 / ISO/TR 21449:2004 (2013-01-25)

Content Delivery and Rights Management: Functional requirements for identifiers and descriptors for use in the music, film, video, sound recording and publishing industries

Ed 1.00	A4 54p EN	
	PDF 54p EN	

Outlines business and information architectures that are designed specifically to assist organizations involved in the development and administration of identification and description schemas for intellectual content and products in understanding the relationships between their organizations and other content industry players involved in production, distribution, and rights management.

ARP 067-1:2007

Road transport management systems Part 1: Operator requirements - Goods

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	PDF 38p EN									03.220.20
Ed 1.00	A4 38p EN	3p EN				Gr 10				

This recommended practice specifies requirements for participants in the Road Transport Management System (RTMS). It is a self-regulation programme intended to provide evidence that the mass limits applicable to a goods vehicle are complied with, and to ensure responsible use of road transport by operators. It is designed to assist the transport industry, including consignors and consignees to meet the challenges of improving the efficiencies and competitiveness of road transport, to reduce infrastructure deterioration and to improve road safety. It also gives guidance on aspects of vehicle safety, maintenance and driver wellness.

ARP 067-2:2008

Road transport management systems Part 2: Consignor requirements - Goods

Ed 1.00	A4 31p EN	Gr 10
	PDF 31p EN	03.220.20

Specifies requirements for consignors in the road transport management system (RTMS). It is a self-regulation programme intended to provide evidence that the loading and transport of goods is done in a professional, safe and responsible manner, and does not supersede any legislative regulations.

ARP 067-3:2008

Road transport management systems Part 3: Consignee requirements - Goods Ed 1 00 A4 31n EN Cr 10

1.00			
	PDF 31p EN	03.220.20	

Specifies requirements for consignees in the road transport management system (RTMS). It is a self-regulation programme intended to provide evidence that the off-loading of goods is done in a professional, safe and responsible manner, and does not supersede any legislative regulations.

ARP 068:2007

Inspection and non-destructive testing of previously-installed OEM airbag inflator modules in motor vehicles

Ed 1.00 A4 14p EN PDF 14p EN

Gives requirements for inspection and testing of previously-installed original equipment manufacturer airbag inflator modules by accredited test laboratories. The requirements in this recommended practice are strictly enforced in order to deter the proliferation of airbags that are obtained through illegal means or that are not inspected or tested (or both) in accordance with the requirements of this recommended practice. Previouslyinstalled airbags that have been removed from vehicles, not inspected and tested in accordance with the requirements of this recommended practice should not be reinstalled and offered for sale or sold (or both).

ARP	070:2009	/ ISO	Guide	73:2009
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Risk management - Vocabulary

Ed 2.00 A4 21p EN Gr 9 PDF 21p EN 01.040.01; 01.040.03; 01.120

Provides the definitions of generic terms related to risk management. Aims to encourage a mutual and consistent understanding of, and a coherent approach to, the description of activities relating to the management of risk, and the use of uniform risk management terminology in processes and frameworks dealing with the management of risk.

43.040.80

ARP 071:2005 / ISO/IEC Guide 71:2001 (2012-05-25)

Guidelines for standards developers to address the needs of older persons and persons with disabilities

Ed 1.00 A4 37p EN PDF 37p EN

Gr 11 01.120; 11.180.01

Provides guidance to standards writers on how to take into account the needs of older persons and persons with disabilities. Also claims to increase awareness of the impact on human abilities on the inability of products, services and environment. Offers descriptions of body functions and the implications of impairment. Lists sources that can be investigated for more and specific guidance materials.

ARP 072:2006 / ISO/TR 12031:2000 (2012-07-20)

Micrographics - Inspection of silver-gelatin microforms for evidence of deterioration

Ed 1.00	A4 23p EN	Gr 10	
	PDF 23p EN	37.080	

Applies to all forms of silver-gelatin microfilm, whether in roll, aperture card, jacket or microfiche format. It describes the equipment and procedures necessary to identify and monitor deterioration. This information serves to identify the extent and nature of the problem and will ultimately provide a sound basis for any remedial action that may be required.

ARP 073:2006 / ISO/TS 12033:2001 (2012-06-22)

Electronic imaging - Guidance for selection of document image compression methods Ed 1.00 A4 19n EN Gr 9

1.00	A4 190 EN		
	PDF 19p EN		
	- 1-		

Provides information to enable a user or EIM integrator to make an informed decision on selecting compression methods for digital images of business documents. It is designed to provide technical guidance to analyze the type of documents and which compression methods are most suitable for particular documents in order to optimize their storage and use.

ARP 074:2006 / ISO/TR 12036:2000 (2012-06-22)

Micrographics - Expungement, deletion, correction or amendment of records on microforms

Ed 1.00 A4 15p EN PDF 15p EN

Applies to the removal and destruction of images from microforms when document expungement is ordered. It also applies to the revision of image content when an order requires the deletion, correction or amendment of specific information. It establishes proper procedures for image removal or revision and for documenting these actions to ensure file integrity.

ARP 075:2006 / ISO/TR 12654:1997 (2012-06-22)

Electronic imaging - Recommendations for the management of electro	nic recording systems for the recording of documents that
may be required as evidence, on WORM optical disk	

Ed 1.00	A4 12p EN		
	PDF 12p EN		

Makes recommendations to be followed in establishing procedures for the capture and storage of electronic images of documents that will ensure the preservation and integrity of the information recorded on the documents.

ARP 76:2008 / ISO/IEC Guide 76:2008

Development of service standards - Recommendations for addressing	g consumer issues
Ed 1.00 A4 39p EN	Gr 11
PDF 39p EN	03.080.01; 03.08

Provides general guidance on the issues to be considered in standards for services.

ARP 076:2006 / ISO/TR 14105:2001 (2012-06-22)

Electronic imaging - Human	and organizational issues for successful Electronic Image Management (EIM) implementation
Ed 1.00 A4 27p EN	Gr 10
PDF 27p EN	13.180; 37.080
Provides a framework for und Management (EIM) systems.	rstanding and maximizing the human factors associated with successful implementation of Electronic Image
ARP 077:2006 / ISO/TR 1849 Long-term preservation of e	2:2005 (2012-07-13) ectronic document-based information

Ed 1.00	A4 47p EN	Gr	12
	PDF 47p EN	37.	080

Provides practical methodological guidance for the long-term preservation and retrieval of authentic electronic document-based information, when the retention period exceeds the expected life of the technology (hardware and software) used to create and maintain the information.

ARP 078:2009	
Guidelines for the preparation of maintenance contract	ts
Ed 1.00 A4 19p EN	Gr 8
PDF 19p EN	03 080 10

Provides guidance on the preparation of contracts for maintenance work. Can be applied to the whole range of maintenance services including planning, management and control. Facilitates in specifying the required output of maintenance activities.

Gr 7 35,220,30

37.080

Gr 8

37.080

30.30

Ed 1.00 A4 18p EN	Gr 7
PDF 18p EN	01.140.20
Provides guidance on how to change management recommendations for records r organization. Although it is designed primarily for internal clients, some of the outp management programme to external stakeholders.	nanagement programmes within any public or private uts may be used to communicate elements of the records
ARP 081:2011	
Guide for examiners of motor vehicles	
Ed 1.00 A4 44p EN	Gr 12
PDF 44p EN	43.020; 43.180
Guides examiners of motor vehicles to determine roadworthiness in accordance w SANS 10047.	ith the relevant national legislation and the requirements of
ARP 082:2008 / IWA 2:2007 Quality management systems - Guidelines for the application of ISO 9001:200	00 in education
Ed 1.00 A4 38n EN	Gr 11
PDF 38p EN	03 120 10
Provides guidance for a quality management system in educational organizations. otherwise modify the requirements of ISO 9001:2000 (published in South Africa as and are not intended for use in contracts for the purposes of conformity assessme	The guidelines contained within do not add to, change or an identical adoption under the designation SANS 9001:2000), nt or certification.
ARP 084-1:2009 Bailway stations - Passenger platforms Part 1: Clearances on ballastless trac	sk (1 065 mm track gauge)
Ed 1.00 A4 10p EN	Gr 6
PDF 10p EN	45,020:45,040:45,080
BSB 84-1:2009, MOD	
Gives requirements for clearances on ballastless 1 065 mm track gauge in order to the upgrading of existing passenger platforms (or both) with regard to height, and v	o ensure uniformity in the design of new passenger platforms or vertical and horizontal clearances on tangent track.
ARP 0108:2007	
Regulatory requirements for explosion-protected apparatus	
Ed 1.01 A4 34p EN	Gr 10
PDF 34p EN	29.260.20
Deals with product conformity requirements for explosion-protected apparatus user 10108.	d in South Africa. It should be read in conjunction with SANS
Am 1(National), 2007-03-16	
ARP 136:2009 / DS/INF 136:2001	
Energy management - Guidance on energy management	
Ed 1.00 A4 27p EN	Gr 10
PDF 27p EN	13.020.10
Assists organizations in establishing and implementing an energy management sy relationship with other management systems.	stem and describes the principle of energy management and the
ARP 0150:2008 / ISO/IEC Guide 50:2002 Safety aspects - Guidelines for child safety	
Ed 1 00 A4 36p EN	Gr 12
PDF 36p EN	01 120: 97 190
Provides a framework for addressing sources of unintentional physical harm (haza use or with which they may come into contact.	rds) to children from products, processes or services that they
ARP 0151:2008 / ISO/IEC Guide 51:1999 Safety aspects - Guidelines for their inclusion in standards	
Ed 1.00 A4 15p EN	Gr 8
PDF 15p EN	01.120
Provides guidelines for the inclusion of safety aspects in standards. Applicable to a or a combination of one or more of these.	any safety aspect related to people, property or the environment,
ARP 720:2008 / ISO Guide 64:2008	
Ed 1.00. A4.42p EN	Cr 12
Ed 1.00 A4 43p EN PDF 43p EN	01.120; 13.020.01
Provides guidance on addressing environmental issues in product standards. Is pr	imarily intended for product standards writers.

Change management recommendations for records management programmes

ARP 080:2010

Standards South Africa Catalogue 2013

NUM - 868

Gr 11

01.040.01; 01.120

03.060; 35.240.40

71.100.30

Gr 4

21.060.99; 47.080

ARP 763:2008 / ISO/IEC Guide 2:2004

Standardization and related activities - General vocabulary

Ed 1.00 A4 33p EN PDF 33p EN

Provides general terms and definitions concerning standardization and related activities.

ARP 956-4:2009 / ISO/TS 20022-4:2004

Financial services - UNIversal Financial Industry message scheme Part 4: ISO/TS 20022 XML design rules Gr 12

Ed 1.00 A4 46p EN PDF 46p EN

Applies to the physical representation (i.e. the syntax) of standardized ISO 20022 messages.

ARP 1717:2010

Guide to the regulatory requirements for the approval of detonators, initiators and initiation systems used in mining and civil blasting applications Ed 1.00 A4 24p EN Gr 9

PDF 24p EN

Covers the constructional requirements, testing and approval of blasting and related systems, used in the controlled initiation of explosive blasts.

ARP 4558:2008 / ISO/TR 4558:1985

Small craft - Rigging screws for stainless steel wire rope - Principal dimensions for forks, connection pins and eye-holes

Ed	1.00	A4 3p EN
		PDF 3p EN

Defines the main dimensions of forks, connection pins and eye-holes of rigging screws for stainless steel wire rope, to ensure the compatibility, assembly and interchangeability of the various parts of standing rigging and attachments on yachts. Does not apply to standing rigging and attachments that do not conform to the specified dimensions.

ARP 7812:2005

South African national scheme for Issuer Identification Numbers (IIN) and Application Identification numbers (AID)

Ed 1.00	A4 21p EN	Gr 8
	PDF 21p EN	35.240.15

ISO/IEC 7812-2:2000, NEQ; ISO/IEC 7812-1:2000, NEQ

Describes the number structure of the IIN and the application and registration procedures for issuers of identification cards intended for use only within South Africa. Also describes the number structure for application identifiers (AID) and the application and registration procedure for application providers (RID) for use in integrated circuit cards.

ARP 11071-1:2008 / ISO/TR 11071-1:2004

Comparison of worldwide lift safety standards Part 1: Electric lifts (elevators)

Ed 1.00	A4 72p EN	Gr 14
	PDF 72p EN	91.140.90

Compares the requirements of selected topics as covered by worldwide safety standards (excluding regional or national deviations). Applies to electric traction nay also be applicable to positive drive lifts suspended by rope or chain.

ARP 11071-2:2008 / ISO/TR 11071-2:2008

Comparison of worldwide lift safety standards Part 2: Hydraulic lifts (elevators) E

d 1.00	A4 122p EN	Gr 16
	PDF 122p EN	91.140.90

Compares the requirements of selected topics as covered by worldwide safety standards (excluding regional or national deviations). Applies to electric traction lifts only, although some sections may also be applicable to positive drive lifts suspended by rope or chain.

ARP 13425:2007 / ISO/TR 13425:2006

Guidelines for the selection of statistical methods in standardization and specification

Ed 1.00 A4 44p EN PDF 44p EN

Gives guidance on the selection and an overview of all the referenced standards, guides, technical reports and DIS developed by ISO/TC 69 from a user prospective. Also gives two descriptions of the content of the standards by two sets of abstracts: non-technical abstracts and technical abstracts of all these documents.

Gr 12

03.120.30

ARP 14799-1:2008 / ISO/TR 14799-1:2005

Comparison of worldwide escalator and movin	g walk safety standards Part 1: Rule by rule comparison
Ed 1.00 A4 233p EN	Gr 20

PDF 233p EN	91.140.90

Consists of a comparison of the requirements of selected topics as covered by worldwide safety standards.

n	litts	oniy,	aitnougn	some	sections	may
.,	2008		TR 1107	1-2.20	06	

Standards South Africa Catalogue 2013 NUM - 870

ARP 16765:2008 / ISO/TR 16765:2003 Comparison of worldwide safety standards on lifts for fi	irefighters
Ed 1.00 A4 47p EN	Gr 12
PDF 47p EN	33.100.01; 91.140.90
Compares the requirements of selected topics as covered b Cor 1(International), 2008-03-28	y worldwide safety standards.
ARP 22399:2008 / ISO/PAS 22399:2007	
Societal security - Guideline for incident preparedness a	and operational continuity management
Ed 1.00 A4 40p EN	Gr 11
PDF 40p EN	03.100.01
Provides general guidance for an organization - private, gov performance criteria for incident preparedness and operation understanding, developing and implementing continuity of o customer, first responder and organizational interactions. Al manner.	ernmental, and non-governmental organizations - to develop its own specific nal continuity, and to design an appropriate management system. Provides a basis for perations and services within an organization, and confidence in business, community, lso enables the organization to measure its resilience in a consistent and recognized
ARP 23081-2:2008 / ISO/TS 23081-2:2007 Information and documentation - Records management issues	processes - Metadata for records Part 2: Conceptual and implementation
Ed 1.00 A4 41p EN	Gr 12
PDF 41p EN	01.140.20
Establishes a framework for defining metadata elements co 1:2006 (published in South Africa as an identical adoption u points that need to be addressed and documented to enable	nsistent with the principles and implementation considerations outlined in ISO 23081- inder the designation SANS 23081-1). It further identifies some of the critical decision e implementation of metadata for managing records.
ARP 24156:2009 / ISO/TR 24156:2008 Guidelines for using UML notation in terminology work	
Ed 1.00 A4 26p EN	Gr 10
PDF 26p EN	01.020
Gives guidelines for using a subset of the Unified Modeling describes how object modelling techniques can be used for	Language, UML, to represent the results of terminological concept analysis. It this purpose.
ARP 60479-5:2008 / IEC/TR 60479-5:2007	
Effects of current on human beings and livestock Part 5	i: Touch voltage threshold values for physiological effects
Ed 1.00 A4 57p EN	Gr 13
PDF 57n FN	12.000

interference/electromagnetic compatibility Ed 1.00 A4 43p EN Gr 13 PDF 43p EN 33.100.01; 91.140.90

Lifts, escalators and passenger conveyors - Comparison of worldwide safety standards on electromagnetic

Comparison of worldwide escalator and moving walk safety standards Part 2: Abbreviated comparison and comments

Consists of a comparison of electromagnetic interference/electromagnetic compatibility (EMI/EMC) worldwide standards of interest to the lift industry.

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ARP 16764:2008 / ISO/TR 16764:2003

ARP 14799-2:2008 / ISO/TR 14799-2:2005

Ed 1.00 A4 119p EN

PDF 119p EN

Comparison of worldwide safety standards on lifts for firefighters	
Ed 1.00 A4 47p EN	

Ed	1.00	A4 47p EN		Gr 12
		PDF 47p EN	3	33.100.01; 9

Compares the requirements of selected topics as covered by worldwide safety standards.

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Guiueiiii	les for using own notation in terminology w	UIK
Ed 1.00	A4 26p EN	Gr 1
	PDF 26p EN	01.0

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1.00 A4 57p EN	Gr 13
PDF 57p EN	13.260

Provides touch voltage-duration combination thresholds based on analysis of information concerning body impedances and current thresholds of physiological effects.

CKS 0:1987

Policy and guide for standardization and co-ordination of purchases			
Ed 3.00 A4 10p EN	Gr 1		
Provide the policy and guide for standardization and as ordination of purchases	01.120		

Specifies the policy and guide for standardization and co-ordination of purchases.

CKS 8:1977 Melamine tableware

Ed 2.00	A4 10p EN	Gr 6
	PDF 10p EN	97.040.60

Covers heavy duty and light duty tableware of melamine formaldehyde. Specifies material, design, dimensions, colour, decorations, workmanship and resistance to sulphuric acid, boiling water and heat.

NUMERICAL LIST OF STANDARDS

Gr 16

91.140.90

Packs for	textile goods		
Ed 2.00 /	44 12p EN PDF 12p EN		Gr 6 55.080; 55.160
Covers packs used for the conveyance (from the supplier to the purchaser) of textile goods. Specifies style, materials, preparation of articles for packing; closing and binding material for bales and bundles; thickness and bursting strength of folding and set-up types of solid paperboard boxes; covering paper for set-up boxes; paperboard for metal-stayed boxes; style, facings, and closing of flaps of corrugated board containers; and inner wrappings for all types. Includes an appendix on the selection of the type of pack.			
CKS 30:19	985 atad atainlaga ataal faad aa	ntoineus (fou colid food liquid food on	d water)
		mamers (for solid lood, inquid lood an	Gr 4
Eu 4.00 /	PDF 4p EN		77.140.20; 97.040.60
Covers the Requireme	e material, dimensional and co ents for the body, handles, lids	onstructional requirements for 3 sizes (10 s and finish are specified.	L, 20 L and 40 L) of non-insulated food and water containers.
CKS 31:19	972		
Insulated	stainless steel food contain	iers	
Ed 2.00 /			Gr 4
ł	PDF 4p EN		55.120; 97.040.60
Covers the handles, lie containers	e material, dimensional and co ds, joints, welding and finish a	onstructional requirements for 7 sizes of I are specified. Provision is made for insert	not food container and insert pan. Requirements for the casings, pans with one or more divisions to be supplied with the
CKS 36:20	004 (2011-03-31)		
Chalk writ	ting boards for schools		
Ed 4.00 /	44 18p EN		Gr 7
F	PDF 18p EN		97.140
Covers cha Covers two	alk writing boards made from o classes of writing surface ar	metal, hardboard, composite board, plyw nd four types of construction, and also bo	rood or high-pressure laminated board or a combination of these. ards with ruled writing surfaces and those with chalkrails.
CKS 62:19	970		
Cleaning	benzine		
Ed 2.00 /	44 2p EN		Gr 4
F	PDF 2p EN		71.080.50
Covers a h systems. S evaporatio	nydrocarbon solvent suitable f Specifies physical requiremen n.	or general cleaning purposes and for the ts, relative density, distillation, aromatic h	cleaning of silver and platinum contacts of telecommunication hydrocarbon content, corrosive sulphur, colour and residue on
Am 1(Nati	onal), 1975-03-01	Am 2(National), 1979-01-01	Am 3(National), 1987-11-01
CKS 67:19 Paper bag	987 Js		
Ed 2.00 /	44 4p EN		Gr 4
F	PDF 4p EN		55.080; 85.080.01
Covers op constructio	en-mouthed, gusseted, rectar onal requirements.	ngular-bottomed grocery bags made from	3 classes of paper. Lays down dimensional, physical and
CKS 81:19 Galvanize	971 d mild steel hot water cyline	ders	
Ed 2.00 /	A4 11p EN		Gr 6
F	PDF 11p EN		91.140.65; 97.100.99
Covers gat for which t and streng	lvanized mild steel hot water o hey are suitable), material, ca tth.	cylinders for use in the vertical position. S pacity, dimensions, dished and flanged e	Specifies the grade (according to the maximum working pressure ands, supports, connections, handholes, manholes, welding, finish
CKS 82:19	973		
Steel post	ts, stays, standards, and dro	oppers for strained wire fences	
Ed 2.00 /	A4 8p EN		Gr 5
F	PDF 8p EN		91.090
Covers mil construction Err 1(Nation	ld steel straining posts, cornel on, holes and finish. onal), 1973-04-01	r posts, stays, standards and droppers fo	r strained wire fences. Specifies material, dimensions,

CKS 28:1973

CKS 93:1967			
Zinc coated steel buckets			
PDF 4p EN	Gr 4 77.140.01: 97.180		
Covers 3 sizes of zinc coated steel buckets. Specifies material, size, dimensions, Am 1(National), 1971-07-01	construction and zinc coating.		
CKS 94:1967			
Tinned steel milk buckets			
Ed 1.00 A4 4p EN	Gr 4		
PDF 4p EN	65.040.10; 77.140.01		
Covers tinned steel milk buckets of capacity 9 litres. Specifies materials, capacity, Am 1(National), 1971-07-01	, construction and tin coating.		
CKS 97:1984			
Paper-cutting scissors for office use			
Ed 2.00 A4 3p EN PDE 3p EN	Gr 4		
	97.180		
Govers alloyed carbon steel and stainless steel paper-cutting scissors for use in o finish and performance.	ffices. Specifies material, size, blades, finger rings, adjustment,		
Am 1(National), 1995-03-01 Am 2(National), 1997-03-01			
CKS 112:1972 Metal crutches for adults			
Ed 2.00 A4 7p EN	Gr 5		
PDF ['] 7p EN	11.180.10		
Covers the requirements for axilla and elbow type adjustable metal crutches for ac dimensions, mass, construction and finish.	dults. Specifies the requirements for the materials, design,		
CKS 121:1980			
Steel single divans, single folding beds, and double decker bunks			
Ed 3.00 A4 17p EN	Gr 7		
	97.140		
Covers the material, dimensional and constructional requirements for steel single divans, steel single folding beds, and 2 types of steel double decker bunk having one of 6 types of mattress seat. Specifies welding of joints, overall dimensions, design, construction, finish and colour. Am 1(National), 1992-01-01			
CKS 129:1985 (1999-02-03)			
Colours for textiles			
Ed 5.00 A4 22p EN	Gr 4		
PDF 22p EN	59.080.01		
Lists the colour swatches that are available to enable purchasers to describe the colours required when ordering manufacturing quantities of textiles. The colour standards listed may be purchased separately. Does not cover small orders for textiles for specialized purposes, e.g. embroidery yarns for decorative work. Am 1(National), 1991-07-01			
CKS 135:1984 Paper-cutting scissors for school use			
Ed 2.00 A4 3p EN	Gr 4		
PDF 3p EN	97.180		
Covers alloyed carbon steel and stainless steel paper cutting scissors for use in schools. Specifies the requirements for the material, size, blades, finger rings, adjustment, finish and performance.			
Am 1(National), 1988-05-01 Am 2(National), 1997-03-01			
CKS 136:1981			
Wrapping paper			
Ed 3.00 A4 4p EN PDF 4p EN	Gr 4		
	55.040; 85.080.01		
Covers the requirements for 2 types of wrapping paper, viz. wrapping paper intend	ted for use where a strong wrapping is required and wraping		

paper intended for use where the strength of the wrapping is of secondary consideration. Specifies fibre composition, nominal grammage, actual grammage, bursting strength, internal tearing resistance, finish and dimensions. An appendix contains the readily commercially available nominal sizes of sheets and rolls.

CKS 138:2009		
Custard powder		
Ed 1.02 A4 3p EN PDF 3p EN		Gr 4 67.060
Covers custard powder. Am 1(National), 1970-05-01	Am 2(National), 2009-04-03	
CKS 139:2009		
Meat extract		
Ed 1.02 A4 3p EN		Gr 4
		67.120.10
Covers meat extract. Am 1(National), 1970-05-01	Am 2(National), 2009-04-09	
CKS 140:2009		
Baking powder		
Ed 1.02 A4 3p EN		Gr 4
		67.220.20
Covers baking powder. Am 1(National), 1970-05-01	Am 2(National), 2009-04-03	
CKS 141:1978		
Light fuel oil		
Ed 3.00 A4 3p EN PDE 3p EN		Gr 4
		75.160.20
burning equipment without pre-heating f point, sulphur content, copper corrosion number.	acilities. Specifies general requirements, s acilities. Specifies general requirements, s at 100 C, neutralization value, carbon resi	torage stability, compatibility, viscosity at 40 C, flash point, pour due, ash content, water and sediment content, and cetane
Am 1(National), 1978-09-01		
CKS 142:1989 (2002-06-28)		
Heavy fuel oil		
Ed 4.00 A4 3p EN		Gr 4
Covers 2 grades of fuel oil suitable for u	se in marine (naval) and industrial oil-fired	75.160.20 furnaces and in certain slow-speed marine-type compression-
ignition engines.	· · · /	
CKS 146:1972	form and domastic use)	
Ed 2.00 A4.10p EN	lain and domestic use)	Gr 6
PDF 10p EN		91.090
Covers 4 types of steel gate with tubular frames and wire mesh or strained wire filling, suitable for domestic and farm use. Specifies general requirements for the materials, dimensions, design, wire filling, deflection, fittings, welding and finish. Am 1(National), 1984-06-01		
CKS 155:1972		
Total back-extension harness		
Ed 2.00 A4 6p EN PDF 6p EN		Gr 5 11.180
Covers the functional, dimensional and constructional requirements for a harness for use in conjunction with multi-motivation therapeutic equipment for patients required to make repetitive total back-extension movements. Specifies requirements for the material, clamping screws, fusion-welded joints, stem, metal slider, waist strap attachment plate, microswitch, operating cam and straps.		
CKS 156:1972		
Drinking mugs (stainless steel)		
Ed 2.00 A4 4p EN		Gr 4
FUF 4µ EN	onetructional requirements for 2 types of at	97.040.60
material, joints, spot welds, design, dime	ensions, body, ear and finish.	מחובשה הנכבו מחוזגוווץ ווועץ. סטבטוופה ופקטוופחופחונה וטר (וופ
CKS 157:2009		
		Gr 4
PDF 6p EN		11.140; 97.140

Covers the material, dimensional, and constructional requirements for single- and double-bowl stands for use in hospitals. Am 1(National), 1989-08-01 Am 2(National), 2009-08-14

> Standards South Africa Catalogue 2013 NUM - 873

CKS 160:1971 Non-metallic sanitary pails			
Ed 2.00 A4 3p EN PDF 3p EN	Gr 4 55 140 83 140 01		
Covers 3 sizes of sanitary pail made from non-metallic materials and not intended	for use with leak-proof lids. Specifies material and construction.		
CKS 163:2009			
Ed 1.02 A4 3p EN PDF 3p EN	Gr 4 67.220.10		
Covers the chemical and microbiological requirements for mustard powder.Am 1(National), 1970-05-01Am 2(National), 2009-04-03			
CKS 168:1972			
Adjustable spanners			
Ed 2.00 A4 5p EN PDF 5p EN	Gr 4 25.140.30		
Covers the requirements for adjustable spanners intended for use on hexagon- and components, finish and assembly.	d square-head bolts and nuts. Specifies dimensions,		
CKS 174:1969 8-ml Containers for freeze-dried vaccines			
Ed 1.00 A4 6p EN	Gr 5		
PDF 6p EN	11.120.10; 55.100		
Covers containers of 8-ml copacity for the storage and conveyance of freeze-dried vaccines. Specifies material, physical properties, dimensions and freedom from defects of the bottles; resistance to dimensions and freedom from defects of the bottles; resistance to sterilization, resistance to low temperature, dimensions and freedom from defects of the stoppers; and material; dimensions and freedom from defects of the stoppers; and material, dimensions and freedom from defects of matal caps. Am 1(National), 1971-02-01			
CKS 178:1985 Plastics interscrews			
Ed 3.00 A4 5p EN PDF 5p EN	Gr 4 83.140.99		
Covers interscrews for the binding of hard-cover paper files. Specifies material, dimensions, screw threads, density, melt flow index, ash content and dimensional stability.			
CKS 179:2009 Drip stands (for saline solutions and other fluids)			
Ed 3.01 A4 8p EN	Gr 5		
PDF 8p EN	11.140		
Covers the material, dimensional and constructional requirements for three types of free-standing drip stands used for the administration of saline solutions and other fluids in hospitals and other medical institutions. Am 1(National), 2009-10-02			
CKS 181:2009			
	Gr 5		
PDF 10p EN	11 140		
Covers the material, dimensional and constructional requirements for four types of drug/poison cabinets intended for use in hospitals and in other medical institutions. Am 1(National), 2009-10-23			
CKS 183:1969			
Inflatable splints (polyvinyl chloride)			
Ed 1.00 A4 4p EN PDF 4p EN	Gr 4 11.140; 11.160		
Covers inflatable splints made of polyvinyl oblaride film for aid and begnitel use. Sr	posifica materiala, design, dimensiona, flammability, breaking		

Covers inflatable splints made of polyvinyl chloride film for aid and hospital use. Specifies materials, design, dimensions, flammability, breaking strength of zip-fastener, resistance to air pressure, wall thickness, tensile strength, elongation, tearing strength, volatile matter content, water absorption, dimensional stability and resistance to heataging.

Am 1(National), 1981-04-01

Covers rubber bungs for laboratory use. Specifies material; dimensions; type, number, diameter and lacation of holes; chemical and physical

have been subjected to sterilizing conditions in a hospital steam autoclave. Specifies general requirements, material, physical properties, writing

Gr 4

Covers 2 types of envelopes to be used for the storage of processed X-ray films. Specifies requirements for materials, size, construction and printing

CKS 230:1970

CKS 225:1970

CKS 209:1977

CKS 217:2010

CKS 218:2011

CKS 221:1974 Rubber bungs Ed 2.00 A4 5p EN

CKS 224:1970

Ed 1.01 A4 7p EN

Medicine spoon (plastics) Ed 2.00 A4 6p EN

Bedpan and urinal stands Ed 1.02 A4 6p EN

PDF 6p EN

Am 1(National), 1980-10-01

PDF 7p EN

Am 1(National), 2011-07-15

PDF 5p EN

Autoclave indicator tape Ed 1.00 A4 3p EN

PDF 3p EN

Am 1(National), 1975-09-01

Envelopes for X-ray films Ed 1.00 A4 3p EN

PDF 3p EN

requirements; and freedom from defects.

PDF 6p EN

load and resistance to germicidal solutions.

Hospital bed sheeting (rubber-proofed)

viz. a) heavy duty sheeting, and b) light duty sheeting.

portable urinals, intended for use in hospitals and other medical institutions

Am 2(National), 2010-06-04

Am 2(National), 1977-10-01

Barriers for bridges (traffic and pedestrian)

Ed 1.00	A4 6p EN	Gr 5
	PDF 6p EN	93.040

Covers steel, aluminium and concrete barriers for the protection of traffic and/or pedestrians on highway bridges. Specifies materials, types, design, heights, welding, strength and finish.

CKS 231:1970

Cut steel wire shot Ed 1.00 A4 3p EN

PDF 3p EN

Covers 5 sizes of cut steel wire (cylindrical) shot. Does not cover chilled cast iron shot or cast steel shot. Specifies material, dimensions, hardness and soundness.

Am 1(National), 1977-03-01

Am 2(National), 1978-02-01

CKS 232-2009

Swab racks

Ed	1.03	A4 4p EN
		PDF 4p EN

Covers the material, dimensional, and constructional requirements for stainless steel swab racks for use in hospitals and other medical institutions. Am 1(National), 1973-02-01 Am 2(National), 1980-10-01 Am 3(National), 2009-12-11

Standards South Africa Catalogue 2013

NUMERICAL LIST OF STANDARDS

Covers medicine spoons made from plastics materials and intended for use for the dispensation and oral administration of a single dose of

medicine in liquid form. Specifies materials, design, dimensions, workmanship, colour, toxicity, resistance to hot detergent solutions, resistance to

Gr 5

11.040.60

Gr 4 11.140: 97.140 Covers the material, dimensional and constructional requirements for stainless steel wheeled stands for bedpans only and for bedpans and

Gr 5

11.140; 83.140.20 Covers the material, constructional and performance requirements for 2 types of rubber-covered fabric intended for use as hospital bed sheeting,

> Gr 4 71.040.20; 83.140.01

Gr 4 11.080.10: 85.080

Covers pressure-sensitive adhesive paper tape for application to surgical packs, stainless steel, enamel, porcelain and glass, to indicate that they

properties, indicator markings, dimensions, performance, keeping qualities and workmanship.

Am 3(National), 1978-06-01

37.040.25; 85.080.10

25.220.10; 77.140.65

Gr 4

Gr 4

11.140; 97.140

CKS 233:2010 Stools (surgeons, anaesthetists)		
Ed 1.02 A4 9p EN		Gr 5
PDF 9p EN		11.140; 97.140
Covers the material, dimensional, and c Am 1(National), 1972-09-29	constructional requirements for stools Am 2(National), 2010-02-01	s used by surgeons and anaesthetists in hospital operating theatres.
CKS 237:2009		
Bassinets (cribs) with stands		
PDF 6p EN		Gr 4 11.140: 97.140
Covers the material, dimensional, and o other medical institutions.	constructional requirements for bassi	nets mounted on mobile stands and intended for use in hospitals and
Am 1(National), 1988-11-01	Am 2(National), 2009-07-03	
CKS 238:2009 Weighing scales for patients (doctor	's type)	
Ed 2.01 A4 7p EN		Gr 5
PDF 7p EN		11.140; 17.100
Covers the dimensional, constructional types (with height-measuring attachmer Am 1(National), 2009-12-11	and performance requirements for th nt) intended for use in medical institu	e patients' weighing scales of the steelyard, dial and digital indication tions.
CKS 239:2010		
Ed 1.03 A4 7p EN		Gr 5
PDF 7p EN		11 140· 11 180
Covers the material dimensional and co	onstructional requirements for two ty	pes of commodes (of the wheel chair type) intended for use in
hospitals.		
Am 1(National), 1977-01-01	Am 2(National), 1980-10-01	Am 3(National), 2010-01-22
CKS 240:2009 Baby weighing scales (counter desig	n)	
Ed 2.01 A4 6p EN		Gr 4
PDF 6p EN		11.140; 17.100; 97.190
Covers the dimensional and construction medical institutions. Am 1(National), 2009-12-11	nal requirements for steelyard and d	ial type baby weighing scales of the counter design, intended for use in
CKS 241:2009		
Mayo's tables		
PDF 5p EN		Gr 4 11 140·97 140
Covers the material, dimensional and co	onstructional requirements for Mayo's	s tables intended for use in hospitals.
Am 1(National), 2009-12-11		
Tea trollevs		
Ed 1.01 A4 9p EN		Gr 5
Ed 1.01 A4 9p EN PDF 9p EN		Gr 5 11.140; 97.140
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Standards South Africa Catalogue 2013 NUM - 876

Seneral requirements for brushware Gi 1.00 A4 8p EN PDF 6p EN Gr 5 97.180 covers requirements common to various types of brushware. Specifies general requirements, materials, construction and tolerances. CXX 251:1970 tigh speed steel tool bits Gi 1.00 A4 8p EN PDF 8p EN Gr 5 PDF 8p EN 25.080.40; 77.140.20; 77.140.35 Covers the requirements for 5 types, viz. square, round, rectangular, trapezoidal and triangular section, high speed steel tool bit. Specifies naterial, dimensions, workmanship and hardness. CXX 255:2009 CXX 255:2009 C31.01 A4 30p EN PDF 30p EN Gi 1.01 A4 30p EN PDF 40p EN Gi 1.02 A4 40p EN PDF 40p EN Gi 1.02 A4 40p EN PDF 40p EN Gi 40 PDF 40p EN
G1 1.00 A46 pc EN Gr 5 PDF 6p EN 97.180 2overs requirements common to various types of brushware. Specifies general requirements, materials, construction and tolerances. XKS 251:1970 tigh speed steel tool bits id 1.00 A48 pc EN Gr 5 25.080.40; 77.140.20; 77.140.35 20vers the requirements for 5 types, viz. square, round, rectangular, trapezoidal and triangular section, high speed steel tool bit. Specifies naterial, dimensions, workmanship and hardness. XKS 255:2009 Stools, hospital (Visitors, Bathroom) id 1.01 A4 30p EN Gr 9 PDF 30p EN 11.140; 97.140 Covers material, dimensional, and constructional requirements for visitors' and bathroom stools intended for use in hospitals. XM 1(National), 2009-11-20 XKS 261:2009 KKS 261:2009 Gr 4 PDF 30p EN Gr 4 PDF 30p EN 67.180.10 Xovers illy crystals Gr 4 Ed 1.01 A4 3p EN Gr 4 PDF 4p EN Gr 4
PUP 6p EN 97,180 Covers requirements common to various types of brushware. Specifies general requirements, materials, construction and tolerances. XXS 251:1970 tigh speed steel tool bits cd 1.00 A4 8p EN Gr 5 PDF 8p EN 25.080.40; 77.140.20; 77.140.35 Covers the requirements for 5 types, viz. square, round, rectangular, trapezoidal and triangular section, high speed steel tool bit. Specifies naterial, dimensions, workmanship and hardness. CKS 255:2009 Stools, hospital (Visitors, Bathroom) Ed 1.01 A4 30p EN Gr 9 PDF 30p EN 11.140; 97.140 Covers material, dimensional, and constructional requirements for visitors' and bathroom stools intended for use in hospitals. xm 1(National), 2009-11-20 CKS 261:2009 Elelly crystals Ed 1.01 A4 3p EN Gr 4 PDF 3p EN 67.180.10 Covers jelly crystals. Gr 4 PDF 3p EN 67.180.10 Covers jelly crystals. Gr 4 Xm 1(National), 2009-04-09 XS 263:2009 Clamap Eor hospital beds Gr 4 G1
Covers requirements common to various types of brushware. Specifies general requirements, materials, construction and tolerances. CKS 251:1970 tigh speed steel tool bits C3 1.0 A 48 pc EN Gr 5 PDF 8p EN 25.080.40; 77.140.20; 77.140.35 Covers the requirements for 5 types, viz. square, round, rectangular, trapezoidal and triangular section, high speed steel tool bit. Specifies naterial, dimensions, workmanship and hardness. CKS 255:2009 Cfr 9 Stools, hospital (Visitors, Bathroom) Ed 1.01 A4 30p EN Gr 9 PDF 30p EN 11.140; 97.140 Covers material, dimensional, and constructional requirements for visitors' and bathroom stools intended for use in hospitals. Xm 1(National), 2009-11-20 XKS 251:2009 KS 251:2009 Fell vorstals G1 1.01 A4 30 EN G2 1.01 A4 30 EN G3 1.01 A4 30 EN G4 1.01 A4 30 EN Verstals M1 (National), 2009-04-09 XKS 263:2009 Champs for hospital beds G1 1.02 A4 40 EN G1 1.02 A4 40 EN PDF 40 EN G1 1.02 A4 40 EN PDF 40 EN Cal 1.02 A4 40 EN <td< td=""></td<>
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High speed steel tool bits Ed 1.00 A4 &p EN PDF &p EN 25.080.40; 77.140.20; 77.140.35 Sovers the requirements for 5 types, viz. square, round, rectangular, trapezoidal and triangular section, high speed steel tool bit. Specifies naterial, dimensions, workmanship and hardness. CKS 255:2009 Stools, hospital (Visitors, Bathroom) Ed 1.01 A4 30p EN PDF 30p EN 20 Join A4 30p EN PDF 30p EN 21 Join A4 30p EN PDF 30p EN 22 Join A4 30p EN PDF 30p EN 23 Join A4 30p EN PDF 30p EN 24 Join A4 30p EN PDF 30p EN 25 Join A4 30p EN PDF 30p EN 25 Join A4 30p EN PDF 30p EN 26 Join A4 30p EN PDF 30p EN 27 Join A4 30p EN PDF 30p EN 28 S 261:2009 Jelly crystals 26 Join A4 30p EN PDF 30p EN 27 Join A4 30p EN PDF 30p EN 28 Join A4 30p EN PDF 30p EN 29 Join A4 30p EN PDF 30p EN 29 Join A4 30p EN PDF 30p EN 29 Join A4 30p EN PDF 30p EN 20 Join A4 30p EN PDF 30p EN 20 Join A4 30p EN PDF 30p EN 21 Join A4 30p EN PDF 30p EN 29 Join A1 30p EN PDF 30p EN 20 Join A4 30p EN PDF 30p EN 20 Join A4 30p EN PDF 30p EN 20 Join A4 30p EN PDF 30p EN 21 Join A4 30p EN PDF 30p EN 22 Join A1 4 30p EN PDF 30p EN 23 Join A1 4 30p EN PDF 30p EN 24 Join A1 4 30p EN PDF 30p EN 25 Join A1 4 30p EN PDF 30p EN 26 Join A1 4 30p EN PDF 30p EN 27 Join A1 4 30p EN PDF 30p EN 28 Join A1 4 40p EN PDF 40p EN 29 Jo
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In 102 A4 4p EN Gr 4 PDF 4p EN 11.140; 21.060.70 Covers the material and constructional requirements for clamps (simple and compound) intended for use with hospital bed attachments. Am 1(National), 1980-10-01 Am 2(National), 2009-05-08 CKS 265:2009 Extension rods for hospital beds
Covers the material and constructional requirements for clamps (simple and compound) intended for use with hospital bed attachments. Am 1(National), 1980-10-01 Am 2(National), 2009-05-08 CKS 265:2009 Extension rods for hospital beds
Covers the material and constructional requirements for clamps (simple and compound) intended for use with hospital bed attachments. Am 1(National), 1980-10-01 Am 2(National), 2009-05-08 CKS 265:2009 Extension rods for hospital beds
CKS 265:2009 Extension rods for hospital beds
Extension rods for hospital beds
•
Ed 1.02 A4 4p EN Gr 4
PDF 4p EN 11.140; 21.120.10
Covers the material, dimensional, and constructional requirements for extension rods intended for use on hospital beds. Am 1(National), 1980-10-01 Am 2(National), 2009-05-22
NKS 266-2010
ifting poles for patients
Ed 2.01 A4 7p EN Gr 5
PDF 7p EN 11.140
Covers the material, dimensional and constructional requirements for two types of patient-lifting poles intended for use with hospital beds.
XKS 282:2011
Rubber hot water hottles
Ed 1 01 A4 6p EN
PDF 6p EN 55 100: 83 140 01
Covers rubber hot water bottles intended for use in hospitals.
CKS 285:2012
Dispensers for paper towels (Metric units)
Ed 1.01 A4 5p EN Gr 4
PDF 5p EN 53.080; 55.060
Covers three types of dispenser for dispensing paper towels in rolls or in sheets. Specifies types, material, size, design, finish and performance.

Am 1(National), 2012-06-15

CKS 286:1971 (2003-08-27) Fish protein concentrate for human consumption		
Ed 1.00 A4 2p EN PDF 2p EN	Gr 4 67.120.30	
Covers fish protein concentrate suitable for human consumption. Specifies general microbiological requirements and protein, sand, moisture and fat contents.	I requirements, fineness, available lysine, culinary quality,	
CKS 289:2007 Magou powder (fortified)		
Ed 1.02 A4 3p EN PDF 3p EN	Gr 4 67.060	
Covers the composition of and the physical, chemical, and microbiological require Am 1(National), 1979-01-01 Am 2(National), 2007-11-02	ments for fortified magou powder (dried fermented maize meal).	
CKS 290:2008 Soup powder and gravy powder		
Ed 2.02 A4 8p EN PDF 8p EN	Gr 5 67.180.20	
Covers physical, chemical and microbiological requirements for two types of soup powder (thickener).	powder and physical and microbiological requirements for gravy	
Am 1(National), 1998-11-09 Am 2(National), 2008-04-18		
Kick-abouts		
Ed 2.01 A4 4p EN PDF 4p EN	Gr 4 11.140	
Covers the material, dimensional and constructional requirements for two types of use in hospitals. Am 1(National), 2009-11-27	stainless steel kick-abouts (for buckets and basins) intended for	
CKS 302:1971 WC Seats		
Ed 1.00 A4 6p EN PDF 6p EN	Gr 5 91.140.70	
Covers hinged water-closet seats with or without flaps and made of wood, a wood dimensions, hinge and fixing devices, buffers, finish and performance.	derivative or a plastics material. Specifies materials, design,	
CKS 312:2009		
Ed 2.01 A4 13p EN	Gr 6	
PDF 13p EN	11.120.20	
Am 1(National), 2009-05-22	se as unifilical cold lies.	
CKS 317:1972 (2010-10-22) Clinical thermometers		
Ed 1.00 A4 6p EN	Gr 4	
Covers the requirements for good quality mercury-in-glass type clinical maximum requirements, thermometer glass, dimensions, bulbs, stems, range, length of scal marking.	11.040.55 thermometers graduated in the Celsius scale. Specifies general e and accuracy of graduation, graduation and figuring and	
CKS 324:1972 Coated abrasives		
Ed 1.00 A4 10p EN PDF 10p EN	Gr 6 25 100 70	
Covers the requirements for coated abrasives (in the form of sheets, rolls, belts and discs) that consist of one of either emery, glass, garnet, aluminium oxide or silicon carbide on a backing of paper, cloth, fibre or a combination of cloth and paper. Specifies requirements for the abrasive and backing materials, types of bond, dimensions, grit sizes, grain distribution, workmanship and marking. An appendix giving a comparison of grading systems, and another giving coated abrasive products currently commercially available, are included.		
CKS 330:2011 Elastic mesh tubular handages		
Ed 2.01 A4 7p EN PDF 7p FN	Gr 5	
Covers one type of elastic mesh tubular bandage in eight sizes. Am 1(National), 2011-02-11	11.040.30; 59.080.30	

Standards South Africa Catalogue 2013 NUM - 878

CKS 336:2008	
Ed 2.01 A4.9p EN	Cr F
PDF 8p EN	11.140
Covers the material, dimensional and constructional requirements for mortuary troll institutions. Am 1(National), 2008-07-18	leys (trolleys) intended for use in hospitals and other medical
CKS 337:1972	
	0.4
PDF 4p EN	77.080.20
Covers 6 grades of steel wool intended for use as an abrasive for cleaning and poli material, fibres and wool.	ishing. Specifies grades and quality, and requirements for the
CKS 338:1972	
Burglar-resisting bars for steel frames of ventilating type windows	
Ed 1.00 A4 5p EN	Gr 4
	13.310; 77.140.60
Covers burglar resisting bars made from steel bar and their attachment to steel france premises. Specifies material, cross section and size of bar, design, construction, w	mes of ventilating type windows for industrial, office and home relding, finish, workmanship and strength.
CKS 339:2009 Peanut butter	
Ed 2.01 A4 5p EN	Gr 4
PDF ⁵ p EN	67.080.10
Covers two types of peanut butter: smooth textured and "crunchy" textured. Am 1(National), 2009-04-03	
CKS 340:1979	
Plastics refuse bags (disposable)	
Ed 2.00 A4 3p EN	Gr 4
PDF 3p EN	55.080; 83.140.01
Covers the material, constructional, dimensional and performance requirements for material and intended as a liner for refuse bins (metallic or non-metallic) used for the second	r disposable, single-trip refuse bags constructed of a plastics ne outdoor storage of refuse.
CKS 343:2009	
Orthopaedic traction-pieces and hangers	
Ed 1.02 A4 6p EN	Gr 4
Covers material, dimensional and constructional requirements for sets of traction-p	11.140 vieces, complete with hangers, intended for orthopaedic use in
hospitals. Am 1(National), 1980-10-01 Am 2(National), 2009-04-03	
CKS 350:2009	
Guard rails for hospital beds	
Ed 1.02 A4 5p EN	Gr 4
PDF 5p EN	11.140
Covers the material, dimensional, and constructional requirements for removable g Am 1(National), 1980-10-01 Am 2(National), 2009-05-08	uard rails intended for use on hospital beds.
CKS 352:2009	
Ed 2.01 A4 14b EN	Gr 6
PDF 14p EN	11.040.55
Covers requirements for aneroid and mercury type non-automated sphygmomanon measurement of arterial blood pressure. Requirements for occluding cuff, inflatable also covered. Am 1(National). 2009-10-23	neters to be used with occluding cuffs for the indirect bladder, inflation device, connecting tubing and fastener are
CKS 367:1973	
Oil filter elements (full flow design)	
Ed 1.00 A4 4p EN	Gr 4
PDF 4p EN	43.060.30

Covers full-flow oil filter elements of the outside-to-inside flow path type (through which all the engine oil flows), for filtering the lubricating oil in internal combustion engines. Specifies the dimensions of 4 classes of element, and their physical and performance requirements.

CKS 368:1973 Lever arch files for stationery	
Ed 1.00 A4 7p EN	Gr 5
PDF 7p EN	85.080.01
Covers the lever arch files of the landscape and upright types for filing stati	onery. Specifies requirements for the materials and constuction.
CKS 370:2013 Adjustable steel shelving	
Ed 1.01 A4 9p EN PDF 9p EN	Gr 6 97.130.10; 97.140
Covers the material, constructional, dimensional, and finish requirements for Am 1(National), 2013-02-22	or prefabricated steel shelving.
CKS 371:1973	
	Gr 5
PDF 8p EN	97.130.10; 97.140
Covers the material, dimensional, constructional, finish and performance re	equirements for 2 classes of adjustable prefabricated wooden shelving.
CKS 373:2009 Recovery beds (X-ray type)	
Fd 1 02 A4 7n FN	Gr 5
PDF 7p EN	11.140
Covers the material, dimensional, and constructional requirements for two o X-ray cassettes and intended for use in medical institutions.	designs of adjustable recovery beds that may be fitted with carriers for
Am 1(National), 1980-10-01 Am 2(National), 2009-07-03	
CKS 374:2009 Leg and body cradles	
Ed 1.01 A4 9p EN PDF 9p EN	Gr 5 11.140
Covers material, dimensional, and constructional requirements for four type Am 1(National), 2009-05-22	es of leg and body cradles intended for use on hospital beds.
CKS 388:2011 Rubber waterstops	
Ed 1.01 A4 6p EN PDF 6p EN	Gr 4 23 040 80: 83 140 50
Covers four types of rubber waterstops intended for use as water seals in c movement of up to 15 mm is expected. Am 1(National) 2011-12-01	construction and expansion joints in concrete structures where
CKS 389:1973	
Flexible polyvinyl chloride waterstops	
Ed 1.00 A4 7p EN PDF 7p EN	Gr 5 23.040.80; 83.140.50
Covers 4 types of flexible polyvinyl chloride waterstop intended for use as w where movement of up to 15 mm is expected. Specifies materials, types, d strength, elongation at break, softness number and resistance to accellerat Am 1(National), 1999-06-08	vater seals in construction and expansion joits in concrete structures esign, dimensions, workmanship, water-soluble matter content, tensile ted aging.
CKS 390:2009 Orthopaedic beds	
Ed 2.02 A4 9p EN PDF 9p EN	Gr 5 11.140
Covers the material, dimensional, and constructional requirements for beds Am 1(National), 1988-11-01 Am 2(National), 2009-09-04	s intended for orthopaedic patients.
CKS 408:1974	
Electrically-heated incubators for infants	
Ed 1.00 A4 16p EN PDF 16p EN	Gr 8 11.140
Covers the material, functional, design, workmanship and finishing requirer and of infants requiring intensive care. Am 1(National), 1975-01-01	ments for 3 types of incubator used in the nursing of premature infants

CKS 411:2001		
Elastic-sided chersea boots (Goodyear weited construction) (Metric units)		
PDF 17p EN	Gr 8 61.060	
Covers Chelsea elastic-sided boots, leather lined throughout, with double pull-on solid rubber top-pieces. Specifies method of construction, upper materials, bottom preparation of bottom stock, making, workmanship and finish. Am 1(National), 2001-11-14	oops, back straps, outer soles of leather or rubber, and moulded n materials and components, upper construction, closing,	
CKS 412:2001		
Firemen's top boots		
Ed 1.01 A4 12p EN PDF 12p EN	Gr 6 13.340.50	
Covers leather boots of the Wellington type, with leather-lined plain vamp,outside soles and heels of heat- and oil-resistant rubber. Am 1(National), 2001-10-04	counter of the long wing type, leather pull-on loops, and outer	
CKS 413·1974		
Adjustable glass-louvred windows		
Ed 1.00 A4 5p EN	Gr 4	
PDF 5p EN	91.060.50	
Covers the constuctional requirements for adjustable glass-louvred windows. Spe frames, glass holders, operating mechanism, glass panes, window dimensions, fit	cifies general requirements, side frames, top and bottom weather king holes and screws, and finish.	
CKS 440:1993		
Coffins and caskets		
Ed 2.00 A4 13p EN	Gr 6	
PDF 13p EN	55.160	
Covers the requirements for the materials, construction, basic dimensions, finish a for human remains: type 1 for coffins/caskets for burials and type 2 f	and performance of 2 types (each of 6 classes) of coffins/caskets kets for cremations.	
CKS 446:1978		
Physical properties of moulded rubber and plastics soles, heels, and heel to	p-pieces	
Ed 1.00 A4 10p EN	Gr 6	
PDF 10p EN	61.060	
Covers the requirements for the physical properties of 8 types of moulded rubber piece. Specifies the types, grades and physical properties of each type. Err 1(National), 1979-01-01	and 4 types of moulded plastic outer sole, heel and heel top-	
CKS 447:2013 High-low beds		
Ed 2 02 A4 12n EN	Gr 6	
PDF 12p EN	11.140	
Covers the requirements for high-low beds intended for use in hospitals.Am 1(National), 2009-06-26Am 2(National), 2013-03-15		
CKS 449·1976		
Plastics (polyolefin) containers for general use in hospitals		
Ed 1.00 A4 7p EN	Gr 4	
PDF 7p EN	11.140; 83.140.01	
Covers injection-moulded plastics containers with removable lids, of capacity not exceeding 0,1 m/3, and intended for the transportation and storage of general goods in hospitals. Specifies materials, style, dimensions, construction and performance requirements.		
CKS 451:1976 Anti-intruder fences		
Ed 1 00 A4 21p EN	Gr 9	
PDF 21p EN	13.310; 91.090	
Covers anti-intruder fences consisting of chain link (diamond) mesh and barbed w construction, welding and finish of the components, and requirements for design,	ires. Specifies requirements for materials, dimensions, erection and workmanship of the fence.	
CKS 456:2009		
	Cr 5	
PDF 10p EN	Gr 5 11.040.30	
Covers the material, constructional, surface finish, and performance requirements	for forceps (other than tooth-extracting forceps) intended for use	
in medical institutions. Am 1(National), 2009-05-22		

Standards South Africa Catalogue 2013 NUM - 881

CKS 457:1976 Desks			
Ed 1.00 A4 20p EN	Gr 9		
PDF 20p EN	97.140		
Covers the material, dimensional, constructional and performance requirements for made of sheet steel or wood, or a combination of sheet steel and wood and wood d	desk units, centre units and wing units for use in offices and lerivatives.		
CKS 458:2008			
Ed 1.01. A4 6p EN	Gr 4		
PDF 6p EN	67.060		
Covers the composition of, and the physical, chemical and microbiological requirements for, a supplementary food mixture that has a very high protein content and that contains the vitamins and minerals that render it suitable for addition to diets that consist predominanly of cereals. It includes an appendix on the NFRI Formula V mixture. Am 1(National), 2008-04-18			
CKS 462:2009			
Orthopaedic flannelette bandages			
Ed 1.02 A4 5p EN	Gr 4		
	11.040.30; 59.080.30		
Covers two types of orthopaedic flannelette bandages suitable for use as surgical d Am 1(National), 2000-06-01 Am 2(National), 2009-05-08	Iressings.		
CKS 463:1995			
Ed 2.00 A4 175 EN	Gr 9		
PDF 17p EN	11 040 20: 83 140 01		
Covers the construction and the performance of 3 types and 2 grades of non-body-	worn urinary drainage bags.		
CKS 464:2010			
Non-woven surgical dressings			
Ed 3.02 A4 9p EN	Gr 5		
PDF 9p EN	11.040.30		
Covers three types of non-woven surgical dressings. Am 1(National), 1995-10-01 Am 2(National), 2010-12-03			
CKS 467:1976			
Steel office pins			
Ed 1.00 A4 4p EN	Gr 4		
PDF 4p EN	85.080		
Covers requirements for the materials, dimensions, performance and finish of steel Am 1(National), 1984-07-01	pins suitable for use in offices.		
CKS 468:2009			
	Gr 4		
PDF 6p EN	11.060.25		
Covers the material, constructional, surface finish, and performance requirements f Am 1(National), 2009-05-08	for tooth-extracting forceps intended for use in dental clinics.		
CKS 469:2009 Medical sciesors			
Ed 1.01 A4 5p EN	Gr 4		
PDF 5p EN	11.040.30		
Covers the material, constructional, surface finish, and performance requirements for scissors intended for use in medical institutions. Am 1(National), 2009-03-13			
CKS 471:1976			
Side upper leather (with a smooth corrected grain)	01		
Ed 1.00 A4 50 EN PDF 50 EN	Gr 4		
	33.140.30, 01.000		

Covers chrome-tanned bovine leather with a corrected grain and a smooth finish, and intended for use as an upper material for footwear. Specifies general, chemical and physical requirements.

CKS 479:2007		
Grain sorghum malt		
Ed 1.01 A4 5p EN PDF 5p EN	Gr 4 67 060: 67 160 10	
Covers ground malt prepared from grain sorghum for industrial brewing purposes. It specifies general, chemical, physical and microbiological requirements.		
Vertical plan-filing cabinets		
Ed 1.00 A4 11p EN	Gr 6	
PDF 11p EN	97.140	
Covers the material, dimensional, constructional and performance requirements for	or vertical plan-filing cabinets.	
CKS 488:2008		
Field dress material (polyester-and-cotton)		
PDF 8p EN	GF 5 59 080 30	
Covers one type of field dress material intended for the making of uniforms. Speci width, piece length, bow and skewness of weft, fabric requirements and assessme	ifies general requirements, colour and colour match, selvedges, ent of defects.	
CKS 489:2011		
EPDM-styrene rubber sheet (for waterproofing)	Gr 4	
PDF 5p EN	83.140.10: 91.120.30	
Covers EPDM-styrene rubber sheet supplied in rolls and used in waterproofing ap Am 1(National), 2011-11-18	plications where resistance to weather and water is essential.	
CKS 497:1978		
Organic chlorine bleach		
Ed 1.00 A4 4p EN PDF 4p EN	Gr 4 71 060 40	
71.060.40 Covers organic chlorine bleaches for use in laundries. Specifies general as well as detailed physical and chemical requirements. Am 1(National), 1983-06-01		
CKS 499:1978 Laundry alkali		
Ed 1.00 A4 5p EN	Gr 4	
PDF 5p EN	71.060.40	
Covers 2 types of alkali for use in laundries. They are intended for use in the heavy-duty laundering of white and coloured cotton fabrics, but are not suitable for use in the laundering of woollen, silk or synthetic fabrics. Specifies general requirements and the sodium hydroxide, sodium carbonate, complex phosphate, sodium metasilicate, sodium carboxymethylcellulose, total alkali, moisture and water-insoluble matter contents. Am 1(National), 1982-09-01		
CKS 500:1978		
Recommended yarn linear densities (cotton industry)	Cr. A	
PDF 2p EN	59.080.20	
Covers a recommended range of suitable linear densities for discontinuous fibre yarns used by the weaving industry in the production of cotton and similar fabrics (such as polyester-and-cotton blends and polyester-and-rayon blends) that are covered by SABS standard specifications and CKS specifications and are intended principally for institutional use.		
CKS 503:1978 Coal tar fuels		
Ed 1.00 A4 3p EN	Gr 4	
PDF 3p EN	75.160.20	
Covers the requirements for 5 viscosity grades of coal tar fuel intended for use in industrial oil-fired furnaces equipped, except when fuel grade CTF 0 is to be used, with suitable preheating facilities. Specifies general requirements, compatibility, storage stability and grade requirements. Am 1(National), 1989-06-01		
CKS 517:2011		
Rubber and plastics sports balls (medicine, medau, and gymnastics)		
Ed 1.01 A4 5p EN PDE 5p EN	Gr 4	
	03.140.01, 97.220.30	

Covers three types of balls for use for sports purposes. Am 1(National), 2011-11-18

> Standards South Africa Catalogue 2013 NUM - 883

83.140.01; 97.220.30

CKS 532:1979				
Fire extinguishing agent: aqueous-file	n-forming-foam concentrate			
Ed 1.00 A4 10p EN		Gr 6		
		13.220.10		
Covers a film-forming foam liquid concentrate for use, after dilution in the ratio (by volume) of 6 parts of the concentrate to 94 parts of water (fresh or sea), in extinguishing fires. Specifies general requirements, requirements for the concentrate and requirements for the 6 % (v/v) aqueous solution. Am 1(National), 1983-06-01				
CKS 552-1080				
Industrial safety spectacles for generation	al use			
Ed 1.00 A4 8p EN		Gr 5		
PDF 8p EN		13.340.20		
Covers spectacle-type eye protectors int flying particles and fragments. Specifies	ended to provide protection to the eyes materials, construction, dimensions and	of persons in industrial undertakings against hazards such as I physical properties.		
CKS 553:1980				
Unproofed core-spun ducks		0.5		
PDF 6p EN		Gr 5 59.080.30		
Covers the requirements for unproofed of	lucks, woven from core-spun varns and	that are primarily intended (after further processing) for the		
manufacture of lightweight tarpaulins an	d tents. Specifies general requirements,	weave, selvedges, piece length, yarn construction, fabric and the		
assessment and stringing of deductions	to be made for defects. Includes an app	endix recommending suitable yarns.		
Col 1(National), 1999-04-16	Am 2(National), 1995-09-01	Am 5(14810118), 1995-11-01		
CKS 554-1980				
Processed core-spun ducks				
Ed 1.00 A4 8p EN		Gr 5		
PDF 8p EN		59.080.30		
Covers the requirements for processed core-spun ducks intended for the manufacture of lightweight tarpaulins and tents. Specifies general requirements, width, piece length, colour, colour match, requirements for processed duck and the assessment and stringing of deductions to be made for defects.				
Am 1(National), 1982-09-01	Col 1(National), 1999-04-16			
CKS 556:2009				
Mobile medicine (utility drug) cabinet				
Ed 1.02 A4 7p EN PDF 7p EN		Gr 5		
Covers the material dimensional and co	nstructional requirements for mobile me	11.140 dicine (utility drug) cabinets intended for use in medical		
institutions.	instructional requirements for mobile me	dicine (utility drug) cabinets intended for use in medical		
Err 1(National), 1988-11-01	Am 1(National), 1988-11-30	Am 2(National), 2009-10-23		
CKS 559:1981				
Plastics nursery planting bags				
Ed 1.00 A4 4p EN		Gr 4		
		55.080; 65.060.70		
Covers the materials, construction, dimensional and performance requirements for 11 preferred sizes of nursery planting bags manufactured from low density polyethylene or other suitable plastics material. Also covers nursery planting bags manufactured by a co-extrusion process in which two or more inseparable layers of a suitable plastics material are used to form the bag.				
CKS 562:1982				
Mosquito netting				
Ed 1.00 A4 5p EN		Gr 4		
		59.080.30		
Covers one type of warp-knitted polyester fabric suitable for mosquito netting. Specifies width, piece length, colour and colour matching, structure, fabric requirements and the assessment of defects. Am 1(National), 1994-08-01				
CKS 583:1983				
Special requirements for resin-treated	l cellulosic fabrics			
Ed 1.00 A4 5p EN		Gr 4		
PDF 5p EN		59.080.30		
Covers the special rquirements for wove blouse; Class 2: Shirts sleepwear; Class purchaser and supplier	n resin-finished cellulosic fabrics of the f 3: Suits, slacks, workwear; and Class 4	ollowing classes (based on the type of end-use): Class 1: Dress, : household articles. Other end-uses shall be as agreed between		

purchaser and supplier. Am 1(National), 1984-08-01

CKS 587:1983 Trichloroisocyanurate tablets		
Ed 1.00 A4 3p EN		Gr 4
PDF 3p EN		13.060.25; 71.080.20
Covers trichloroisocyanurate tablets for mass of tablet, solution rate and storage	use as a sanitizer in swimming pools. S e stability.	Specifies general requirements, available chlorine content, pH value,
CKS 596:1998		
		0+ 11
PDF 34p EN		85.080.10; 97.180
Covers several types of books and shee paper and the types of ruling.	ets of paper intended for scholastic and	related uses. It specifies the covers, the bindings, the grades of
CKS 605:1987		
Pressure regulators for medical gase	S.	
Ed 1.00 A4 15p EN PDF 15p EN		Gr 8
Covers materials, performance and mar compatible high pressure medical gas c	king requirements for 2 types of pressi	ure regulators intended to be coupled directly or indirectly to
CKS 612:1987	,	
Paper for offset lithographic printing		
Ed 1.00 A4 5p EN		Gr 5
PDF 5p EN		85.080.10
Covers the physical and chemical prope	rties of 3 classes of offset lithographic	printing paper supplied in the form of either sheets of reels.
CKS 613:2009		
Bed tilting devices		
PDF 11p EN		Gr 6 11 140
Covers the requirements for three types Am 1(National), 2009-05-22	of bed tilting devices intended for use	on hospital beds having no "built-in" facility to tilt the bed.
CKS 615:2012		
Foam mattresses for hospitals		
Ed 1.01 A4 5p EN		Gr 4
Covers the requirements for three types	of form mattraccos, evoluting the cov	11.140; 97.140
Covers the requirements for three types	or roam mattesses, excluding the cov	er used in nospitals and neath care institutions.
CKS 617:2009		
Fd 1.01 A4 7p FN		Gr 5
PDF 7p EN		11.140
Covers the requirements for single-step Am 1(National), 2009-09-04	and double-step footstools suitable for	r use in hospital and health care institutions.
CKS 618:2009		
Worcestershire sauce		
Ed 1.01 A4 6p EN		Gr 4
Covers physical, chemical and microbio	logical requirements for Worcestershin	67.220.20 e sauce, and requirements for its packing.
Am I (National), 2009-05-08		
CKS 624:2011 Anaesthetic machines		
Ed 2.02 A4 16p EN		Gr 7
PDF 16p EN		11.040.10
Covers the requirements for the physica Am 1(National), 1993-04-01	al layout of and the minimum features for Am 2(National), 2011-03-11	or free-standing anaesthetic machines intended for use in hospitals.
CKS 629:2002		
Processed and low-flammable polyes	ster canvas	
Ed 1.03 A4 19p EN PDF 19p EN		Gr 6
Covers the requirements for three types	of processed canvas suitable for use i	in the manufacture of tents and vehicle covers.
Am 1(National), 1996-10-01 Am 2(National), 2002-02-26		
	Standards South Africa Catalogu	e 2013
	NUM - 885	

CKS 630:2009 Mayonnaise, salad cream and salad d	ressing				
Ed 1.02 A4 9p EN PDF 9p EN		Gr 5 67.220.10			
Covers physical, chemical and microbiol packing.	logical requirements for mayonnaise, salad	d cream and salad dressing, as well as requirements for their			
Am 1(National), 2002-02-20	Am 2(National), 2009-05-08				
CKS 632:2001 Polypropylene grain bags					
Ed 1.02 A4 9p EN		Gr 6			
PDF 9p EN		55.080; 83.140.01			
Covers the requirements for two types o component) and that are suitable for use	Covers the requirements for two types of bags made from slip-resistant tubular woven fabric (of which polypropylene yarns are the major component) and that are suitable for use for the handling, transportation and storage of whole grain (maize) and milled grain (maize meal).				
Am 1(National), 1992-02-01	Am 2(National), 2001-10-03				
CKS 633:2008					
Textured soya protein foodstuffs					
Ed 2.01 A4 16p EN PDF 16p FN		Gr /			
Covers shysical shamical and misrahial	legical requirements for three types of text	07.000			
to meat as meat extenders, and are not Am 1(National), 2008-03-07	intended to be served solely in their recon-	stituted form.			
CKS 635-2013					
Adjustable ward beds					
Ed 1.04 A4 12p EN		Gr 6			
PDF 12p EN		11.140			
Covers the requirements for adjustable v Am 1(National), 1992-06-01 Am 4(National), 2013-03-15	ward beds intended for use in hospitals. Am 2(National), 1993-11-01	Am 3(National), 2009-04-03			
CKS 637:1992	1 tr/mon)				
Ed 1 00 A4 26p EN	types/	Gr 11			
PDF 26p EN		97.200.30			
Covers the material, cut, make and trim	of 4 types of tents.				
CKS 638:2010					
Orthopaedic cord					
Ed 1.02 A4 6p EN		Gr 4			
		11.120.20			
Covers the requirements of two types of braided cord to be used for orthopaedic fracture extensions.Am 1(National), 2001-10-01Am 2(National), 2010-10-22					
CKS 641:2010					
Elasticated tubular bandages					
PDF 8p EN					
Covers requirements for one type of Ela. Am 1(National), 2010-10-22	sticated tubular bandage in six sizes.	11.010.00, 00.000.00			
CKS 643:1993					
Transparency films for use in photoco	opiers				
Ed 1.00 A4 20p EN		Gr 9			
PDF 20p EN		37.100.20			
Covers the nature, principal general cha	racteristics, and relevant properties of tran	sparency films for use in photocopiers.			
CKS 646:2009					
Dehydrated vegetables					
Ed 1.01 A4 9p EN		Gr 5			
ר שין בוע Covers physical and microbiological room	uirements for instant notate newder and fo	67.080.20			

Covers physical and microbiological requirements for instant potato powder and for some dehydrated vegetables. Am 1(National), 2009-04-03
CKS 648:2010	
Elasticated, disposable diapers	Cr 5
PDF 10p EN	59.080.30
Specifies performance requirements for four sizes of elasticated, disposable diape Am 1(National), 2010-10-22	ers for infants.
CKS 653:1998	
Fanfold Stationery	
Ed 1.00 A4 25p EN PDE 25p EN	Gr 10
Covers three categories of single layer and multiple layer continuous stationery in laser type. The stationery is perforated and folded in a zigzag fashion (fanfolded)	tended for printing with computer printers of the impact, ink-jet or and has sprocket feed holes.
CKS 672:1988	
Office staplers	
Ed 1.00 A4 5p EN	Gr 5
PDF 5p EN	85.080
Covers the requirements for 2 types of general purpose hand-operated staplers (u held in the hand, and suitable for severe or moderate service.	ising size 26/6 staples) suitable for use either on a desk top or
CKS 673:1989	
Ed 1 00 A4 7n EN	Gr 6
PDF 7p EN	85.080.10
Covers 2 types carbonless copy paper, supplied as individual units or in sets of m typing or information presented in relief form (as on credit cards).	anufactured articles, used for the production of copies in writing,
CKS 675:2012	
DDT wettable powder for malaria vector control	
Ed 2.01 A4 9p EN	Gr 5
Covers general requirements for DDT wettable powder for malaria vector control.	65.100.10
Disposable non-woven laminated surgical fabrics	
Ed 1.01 A4 17p EN	Gr 7
PDF 17p EN	11.040.30
Covers requirements for five types of disposable non-woven laminated surgical fa and sterilization wraps. Am 1(National), 2005-08-05	bric for use in the manufacture of theatre gowns, surgical drapes
CKS 677:1990	
Portable steam sterilizers for unwrapped instruments and utensils	
Ed 1.00 A4 7p EN	Gr 6
PDF /p EN	11.080.10
Covers the constructional, operational, electrical and safety requirements for electuse in hospitals, clinics and dental and medical surgeries. The sterilizers are not s do not include a drying stage; are limited to a chamber size not exceeding 0,04 m use of flammable anaesthetics.	rically heated sterilizers (requiring no plumbing connection) for uitable for the sterilization of pharmaceutical products or fluids; 3; and are not suitable for use in zones of risk associated with the
CKS 679:2010	
Disposable spun-laced surgical fabric	
Ed 1.01 A4 15p EN	Gr 7
PDF 15p EN	11.140; 59.080.30
Covers requirements for disposable spun-laced surgical fabric for use in the manurequirements only. Am 1(National), 2010-10-22	Ifacture of hospital gowns and drapes. It covers fabric
NRS 000-1:2008	
NRS definitions Part 1: Compilation of NRS and other definitions used in the	e Electricity Supply Industry
Ed 1.00 A4 148p EN	Gr 0
ГUГ 140µ ЕІХ	01.040.29; 29.240; 91.140.50

NRS 000-2:2009 NRS definitions Part 2: Electricity pricing	
Ed 1.00 A4 36p EN	Gr 0
PDF 36p EN	01.040.29
Covers definitions that apply only in electricity pricing.	
NRS 001:2004	
	Cr 0
PDF 33p EN	01.120
Sets out a uniform format for specifications. This format is intended for use in the E practice can be applied, as far as they are appropriate, to the drafting of codes of p	Electricity Supply Industry. The requirements of this code of rractice, guides, user manuals and related technical documents.
NRS 002:2000 Granhical symbols for electrical diagrams	
	Gr 21
PDF 117p EN	01.100.25
Contains graphical symbols, typically for use in electrotechnical diagrams for heavy	v current equipment and associated control equipment.
NRS 003-2:1996 Metal-clad switchgear - For rated a.c. voltages above 1 kV and up to and inclued 1.01 A4 19p EN	uding 24 kV Part 2: Standardized panels Gr 9
PDF 19p EN	29.130.10
Specifies the characteristics of standardized panels for rated a.c. voltages above 1 and secondary substations, where the symmetrical short-circuit current does not ex Am 1(National), 1996-05-01	kV and up to and including 24 kV, for use indoors in primary ceed 20 kA.
NRS 009-2-1:1998	
Electricity sales systems Part 2: Functional and performance requirements Section 2: Functional 2: Functional and Performance requirements Section 2: Functional	ection 1: System master stations
Ed 1.00 A4 37p EN	Gr 11
PDF 37p EN	29.240.99; 35.240.60; 91.140.50
Specifies the functional and performance requirements for system master stations	(SMSs) that constitute part of electricity sales systems.
NRS 009-2-2:1995	
Electricity sales systems Part 2: Functional and performance requirements S	ection 2: Credit dispensing units
Ed 1.00 A4 54p EN PDF 54p EN	Gr 14 29 240 99: 91 140 50
Specifies the functional and performance requirements for credit dispensing units (CDUs) that constitute part of electricity sales systems.
NRS 009-2-3-1998	
Electricity sales systems Part 2: Functional and performance requirements S	ection 3: Security module
Ed 1.00 A4 13p EN	Gr 8
PDF 13p EN	29.240.99; 35.240.60; 91.140.50
Specifies the functional and performance requirements for the security modules the vending compliant with the standard transfer specification (STS) as described in NI	at house the electronic data needed to support electricity token RS 009-6-6 and NRS 009-6-7.
NRS 009-2-4:1997	
Electricity sales systems Part 2: Functional and performance requirements Sector	ection 4: Standard token translators
Ed 1.00 A4 10p EN	Gr 6
Specifies the functional requirements for the standard token translator (STT) and the	29.240.99; 91.140.50 ne credit dispensing unit (CDU) that support the STT
NRS 009-2-5:1997 Electricity sales systems Part 2: Eurotional and performance requirements S	ection 5: Error handling
Ed 1 00 A4 100 EN	Gr 7
PDF 10p EN	29.240.99; 35.240.60; 91.140.50
Specifies the functional and performance requirements for the handling of errors in	the operation of electricity sales systems.
NRS 009-3:2001	
Electrical sales systems Part 3: Database format	
Ed 1.01 A4 11p EN PDF 11p EN	Gr 8 29 240 99: 35 240 60: 91 140 50
Specifies the structure of the databases required for electricity sales systems	20.210.00, 00.240.00, 01.140.00
Am 1(National), 2002-07-01	

Standards South Africa Catalogue 2013 NUM - 888

NRS 009-4:2005		
Electricity sales systems Part 4: National prepayment electricity meter caros Ed 1.00 A4 14p EN	Gr 6	
PDF 14p EN	29.240.99; 91.140.50	
Specifies the characteristics of a national prepayment electricity meter card that, for the purpose of a transaction, uniquely identify the prepayment metering equipment allocated to a customer. It takes into account both human and machine aspects, and lays down minimum requirements for meter cards.		
NRS 009-5:1998		
Electricity sales systems Part 5: Testing of subsystems	0.7	
PDF 7p EN	29.240.20: 91.140.50	
Specifies requirements for the testing of major subsystems of electricity sales sys	stems as specified in the NRS 009 series.	
NRS 009-6-1-1997		
Electricity sales systems Part 6: Interface standards - Section 1: Credit disp	ensing unit - Standard token translator interface	
Ed 1.00 A4 25p EN	Gr 11	
PDF 25P EN	29.240.99; 35.240.60; 91.140.50	
Details the protocol between the credit dispensing unit and standard token transla	ator.	
NRS 009-6-3:1997		
Electricity sales systems Part 6: Interface standards Section 3: System mas	ter station - Credit dispensing unit	
PDF 25p EN	29.240.99; 35.240.60; 91.140.50	
Specifies requirements for the communications interface between the system ma	ster station (SMS) and the credit dispensing unit (CDU).	
NPS 000 6-1-1008		
Electrical sales systems Part 6: Interface standards Section 4: Data transfer dispensing unit	by physical media - System master station - Credit	
Ed 1.00 A4 7p EN	Gr 7	
	29.240.99; 91.140.50	
Specifies the interface for the transfer of data from a system master station to a c	realt alspensing unit, using stiffy alsks.	
NRS 009-6-6:2002 Electricity sales systems Part 6: Interface standards Section 6: Standard tra dispenser - Categories of token and transaction data fields	nsfer specification/Credit dispensing unit - Electricity	
NRS 009-6-6:2002 Electricity sales systems Part 6: Interface standards Section 6: Standard tra dispenser - Categories of token and transaction data fields Ed 1.01 A4 EN	nsfer specification/Credit dispensing unit - Electricity Gr 7	
NRS 009-6-6:2002 Electricity sales systems Part 6: Interface standards Section 6: Standard tra dispenser - Categories of token and transaction data fields Ed 1.01 A4 EN PDF EN	nsfer specification/Credit dispensing unit - Electricity Gr 7 29.240.99; 91.140.50	
NRS 009-6-6:2002 Electricity sales systems Part 6: Interface standards Section 6: Standard tradispenser - Categories of token and transaction data fields Ed 1.01 A4 EN PDF EN Specifies, in conjunction with NRS 009-6-7, NRS 009-6-8 and NRS 009-6-9, the stransferring units of credit and information between a compliant credit dispensing Am 1(National), 2002-11-30	nsfer specification/Credit dispensing unit - Electricity Gr 7 29.240.99; 91.140.50 standard transfer specification, i.e. the minimum standard for unit and a compliant electricity dispenser.	
NRS 009-6-6:2002 Electricity sales systems Part 6: Interface standards Section 6: Standard tradispenser - Categories of token and transaction data fields Ed 1.01 A4 EN PDF EN Specifies, in conjunction with NRS 009-6-7, NRS 009-6-8 and NRS 009-6-9, the stransferring units of credit and information between a compliant credit dispensing Am 1(National), 2002-11-30 NRS 009-6-7:2002	nsfer specification/Credit dispensing unit - Electricity Gr 7 29.240.99; 91.140.50 standard transfer specification, i.e. the minimum standard for unit and a compliant electricity dispenser.	
NRS 009-6-6:2002 Electricity sales systems Part 6: Interface standards Section 6: Standard tradispenser - Categories of token and transaction data fields Ed 1.01 A4 EN PDF EN Specifies, in conjunction with NRS 009-6-7, NRS 009-6-8 and NRS 009-6-9, the stransferring units of credit and information between a compliant credit dispensing Am 1(National), 2002-11-30 NRS 009-6-7:2002 Electricity sales systems Part 6: Interface standards Section 7: Standard tradispenser - Token encoding and data encryption and decryption	nsfer specification/Credit dispensing unit - Electricity Gr 7 29.240.99; 91.140.50 standard transfer specification, i.e. the minimum standard for unit and a compliant electricity dispenser.	
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NRS 009-6-6:2002 Electricity sales systems Part 6: Interface standards Section 6: Standard tradispenser - Categories of token and transaction data fields Ed 1.01 A4 EN PDF EN Specifies, in conjunction with NRS 009-6-7, NRS 009-6-8 and NRS 009-6-9, the stransferring units of credit and information between a compliant credit dispensing Am 1(National), 2002-11-30 NRS 009-6-7:2002 Electricity sales systems Part 6: Interface standards Section 7: Standard tradispenser - Token encoding and data encryption and decryption Ed 2.02 A4 29p EN PDF 29p EN	nsfer specification/Credit dispensing unit - Electricity Gr 7 29.240.99; 91.140.50 standard transfer specification, i.e. the minimum standard for unit and a compliant electricity dispenser. nsfer specification/ Credit dispensing unit - Electricity Gr 10 29.240.99; 35.240.60; 91.140.50	
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NRS 009-6-6:2002 Electricity sales systems Part 6: Interface standards Section 6: Standard tradispenser - Categories of token and transaction data fields Ed 1.01 A4 EN PDF EN Specifies, in conjunction with NRS 009-6-7, NRS 009-6-8 and NRS 009-6-9, the stransferring units of credit and information between a compliant credit dispensing Am 1(National), 2002-11-30 NRS 009-6-7:2002 Electricity sales systems Part 6: Interface standards Section 7: Standard tradispenser - Token encoding and data encryption and decryption Ed 2.02 A4 29p EN PDF 29p EN Specifies the formatting of transaction data for encryption, the encryption process token. It also specifies the decryption process that takes place in the electricity di to accept tokens that comply with the standard transfer specifications (STS) and compliant tokens. Am 1(National), 2002-11-30 Am 2(National), 2002-11-30 NRS 009-6-8:1997 Electricity sales systems Part 6: Interface standards Section 8: Standard tratechnology - Token encoding format and physical token definition Ed 1.00 A4 9p EN PDF 9p EN	nsfer specification/Credit dispensing unit - Electricity Gr 7 29.240.99; 91.140.50 standard transfer specification, i.e. the minimum standard for unit and a compliant electricity dispenser. nsfer specification/ Credit dispensing unit - Electricity Gr 10 29.240.99; 35.240.60; 91.140.50 and the preparation of the encrypted data for encoding onto the spenser. Intended for use by the manufacturers of EDs that have also by manufacturers of vending systems that produce STS- nsfer specification/Disposable magnetic token Gr 7 29.240.99; 91.140.50 magnetic token technology.	
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Standards South Africa Catalogue 2013 NUM - 889

NRS 009-8:2005	
Electricity sales sytems Part 8: The management of secure modules	
Ed 1.00 A4 11p EN PDF 11p EN	Gr 6
	29.120.01; 91.140.50
Sets out the practices to be implemented by users of electricity sales systems for	the management of secure modules.
NRS 011:2001 Pilot cables	
Ed 2.00 A4 20p EN	Gr 9
PDF 20p EN	29.060.20
Specifies the characteristics of pilot cables to be used in pilot wire protection syst all low-voltage, low frequency system applications. Is applicable to pilot cables us interference, such as is found along the route of power lines operating from 11 kV conductor of the power line and the pilot cable ranges from 5 m to 13 m) and near	tems and for telemetering, telecontrol, supervisory, telephone and sed in areas subjected to high electromagnetic and electrostatic / up to 400 kV (where the mean distance between the lowest r to power cables operating at voltages from 6,6 kV to 132 kV.
NRS 013:2007	
Medium-voltage cables	
Ed 3.00 A4 20p EN	Gr 8
FDI ZOP LIN	29.060.20
Details the preferred requirements for single-core and three-core, mass-impregna cables with stranded annealed copper or aluminium conductors, based on the rec insulated electric cables with stranded annealed copper or aluminium conductors	ated non-draining (MIND) paper-insulated, lead-sheathed electric quirements of SANS 97, or cross-linked polyethylene (XLPE)- , based on the requirements of SANS 1339.
NRS 018-1:2002 Fittings and connectors for low-voltage overhead power lines using aerial b for self-supporting conductors	oundled conductors Part 1: Strain and suspension fittings
Ed 1.01 A4 24p EN	Gr 9
PDF 24p EN	29.240.20; 29.260.10
Covers the requirements for the manufacture, testing and supply of strain and sussystem voltages up to and including 1 000 V, and is based on ESI 43-14. Am 1(National), 2003-04-30	spension fittings for self-supporting conductors for use on a.c.
NRS 018-2:1995	
Fittings and connectors for low-voltage overhead power lines using aerial k for insulated neutral supporting conductors	oundled conductors Part 2: Strain and suspension fittings
Ed 1.00 A4 38p EN	Gr 12
PDF 38p EN	29.120.20; 29.240.20
Covers the requirements for the manufacture, testing and supply of strain and suruse on a.c. system voltages up to and including 1 000 V.	spension fittings for insulated neutral supporting conductors for
NRS 018-3:1995	
Fittings and connectors for low-voltage overhead power lines using aerial b for bare neutral supporting conductors	oundled conductors Part 3: Strain and suspension fittings
Ed 1.00 A4 28p EN	Gr 11
PDF 28p EN	29.120.20; 29.240.20
Covers the requirements for the manufacture, testing and supply of strain and sura.c. system voltages up to and including 1 000 V.	spension fittings for bare neutral supporting conductors for use on
NRS 018-4:1996 Fittings and connectors for low-voltage overhead power lines using aerial b	oundled conductors Part 4: Strain and suspension fittings
Ed 1 00 Ad 21n EN	Gr 10
PDF 21p EN	29.120.20: 29.240.20
Covers the requirements for the manufacture, testing and supply of strain and su	spension fittings for aerial service cables for use on a c system
voltages up to and including 1 000 V, and is based on European standards that h	ave been modified where necessary.

Specifies the management of standard transfer specification (STS) cryptographic keys utilized by the STS cryptographic algorithm to secure the transfer of STS token data from credit dispensers to electricity dispensers that support STS version 1.0.

Gr 11 91.140.50

Electricity sales systems Part 7: Standard transfer specification/ The management of cryptographic keys

NRS 009-7:1999

Ed 1.00 A4 26p EN PDF 26p EN

NRS 018-5:1996 Fittings and connectors for low-voltage overhead power lines using aerial bu and joints	ndled conductors Part 5: Current-carrying connectors
Ed 1.00 A4 43p EN PDF 43p EN	Gr 13 29 120 20: 29 240 20
Covers the requirements for the manufacture, testing and supply of current-carrying a.c. system voltages up to and including 1 000 V. Requirements for end caps inten included.	g connectors and joints for aerial bundled conductors for use on ded for the waterproofing of insulated conductors are also
NRS 020:2012	
Electricity distribution - Cable ties for use with low voltage aerial bundled cor	nductors
Ed 2.02 A4 14p EN PDF 14p EN	Gr 6 29 120 20: 29 240 20
Covers physical and performance requirements for cable ties intended for use with Am 1(National), 2002-10-01 Am 2(National), 2012-04-13	aerial bundled conductors (ABCs).
NRS 022:2008	
Electricity distribution - Stays and associated components	Gr 9
PDF 26p EN	29.240.20
Covers a rationalized range of stays and associated components intended for use v an overhead electricity distribution system that operates at voltages up to 44 kV.	where supplementary structural support is required for poles in
NRS 024-1:1994 Diesel alternator sets Part 1: Diesel alternator sets for fixed installations - Pre organizations by the dc and standby equipment representative user group	ferred requirements for applications in their
PDF 72p EN	Gr 14 29 160 40
Covers the requirements for diesel alternator sets but is also applicable to other recessets for use in fixed installations in non-explosive atmospheres.	ciprocating internal combustion (RIC) engine-driven alternator
NRS 028:2013	
Ed 2.00 A4 15p EN	Gr 7
PDF 15p EN	29.050; 29.060.20
IEC 61238-1:1993, NEQ Details the characteristics of bare, crimped cable lugs and ferrules for use in the ter copper conductors of nominal cross-sectional area from 1,5 square mm to 1000 sq nominal cross-sectional area from 16 square mm to 1 200 square mm.	rminating and jointing of solid, stranded, and multiple-stranded uare mm and stranded and solid aluminium conductors of
NRS 029:2012	
Ed 4 00 A4 370 EN	Gr 10
PDF 37p EN	29.180
Specifies the characteristics of current transformers (CTs) for rated a.c. system vol electrical measuring instruments, electrical protection devices, or both, at a service	tages from 3,6 kV up to and including 800 kV, for use with frequency of 50 Hz.
NRS 030:2012 Inductive voltage transformers	
Ed 3.00 A4 27p EN	Gr 9
PDF 27p EN	29.180
Is applicable to inductive voltage transformers for systems with 50 Hz nominal a.c. measuring instruments or electrical protective devices.	voltages from 3,3 kV up to 765 kV, for use with electrical
NRS 031:2008	
Alternating current disconnectors and earthing switches (up to 145 kV)	C+ 7
PDF 27p EN	29.120.40
Specifies the characteristics of alternating current disconnectors (isolators) and ear voltages up to 145 kV and for a service frequency of 50 Hz. Also applies to the ope to their auxiliary equipment.	thing switches, designed for indoor and outdoor installations, for rating devices of these disconnectors and earthing switches and

NRS 032:2012

Service distribution boxes - Pole-mounted types for overhead single-phase a.c. service connections at 230 V		
Ed 3.00	A4 20p EN	Gr 8
	PDF 20p EN	29.240.01

Covers requirements for outdoor, pole-mounted service distribution boxes for the suppy, through overhead cable, of single-phase electricity to domestic customers.

Standards South Africa Catalogue 2013 NUM - 891

NRS 033:1996 Electricity distribution - Guidelines for the application design, planning and o to and including 22 kV, using wooden pole structures and bare conductors	construction of medium voltage overhead power lines up	
Ed 1.00 A4 76p EN PDF 76p EN	Gr 15 29.240.20	
Guidelines for the application design and construction of medium voltage overhead power lines up to and including 22 kV, using wooden pole structures. Provides an example of overhead line design that complies with professionally accepted practices and the OHS Act, 1993, as amended.		
NRS 034-0:2001 Electricity distribution - Guidelines for the provision of electrical distribution Ed 1.02 A4 43p EN PDF 43p EN	networks in residential areas Part 0: Definitions Gr 11 29 240 01	
Covers a compilation of definitions used in the context of electrical distribution network of NRS 034.	works, and is intended as a reference applicable to all other parts	
Am 1(National), 2000-03-01 Am 2(National), 2001-12-01		
NRS 034-1:2001 Electricity distribution - Guidelines for the provision of electrical distribution design of distribution systems	networks in residential areas Part 1: Planning and	
Ed 3.03 A4 89p EN PDF 89p EN	Gr 17 29.240.20	
Covers the planning and design of economical residential electrical distribution sys and reliability, whilst maintaining the voltage within the precribed limits. Is a general	stems that are capable of meeting probable demands with safety al guide to good technical practice for economical overhead and	
Am 1(National), 1999-10-01 Cor 1(National), 2000-03-24 Am 3(National), 2001-02-14	Am 2(National), 2001-02-01	
NRS 034-2-3:1997 Electricity distribution - Guidelines for the provision of electricity distribution methods and materials for the installation of overhead power lines Ed 1.00 A4 14p EN PDF 14p EN	n networks in residential areas Part 2-3: Preferred Gr 7 29 240 20	
Covers preferred methods and materials used for the installation of low-voltage and should be read in conjunction with NRS 033.	d medium-voltage overhead power lines in residential areas, and	
NRS 034-3:1999 Electricity distribution - Guidelines for the provision of electrical distribution distribution in very low, low and moderate consumption areas, including rura Ed 2.00 A4 30p EN Loose-leaf PDF 30p EN	networks in residential areas Part 3: Overhead al areas and informal settlements Gr 11 29 240 20	
Covers the provision of electrical distribution networks in urban informal, semi-form is to be built either concurrently with or subsequent to electrification. Describes the provide an economical system that is safe and reliable and that requires minimal n residential areas of very low, low and moderate consumption, where the character kVA.	hal and formal residential areas where housing already exists or preferred methods, materials and equipment to be used to naintenance. The recommended practices relate specifically to istic after diversity maximum demand (ADMD) is less than 3	
NRS 035-1:2002 Outdoor distribution cut-outs Part 1: Drop-out fuse-link assemblies or solid- voltages up to and including 33 kV Ed 2.00 A4 38p EN	ink assemblies - Pole-mounted types - For nominal a.c.	
PDF 38p EN	29.120.50; 29.240	
Covers outdoor distribution cut-outs for pole mounting, ie complete drop-out single-vented expulsion fuse-link assemblies and solid-link assemblies intended for overload/short-circuit protection or for disconnection of distribution equipment or parts of a reticulation system (or for both) operating at a nominal voltage of 22kV. Covers applications for light and medium pollution levels as defined in IEC 815 and applied in conjunction with the related creepage distances specified in SABS IEC 186.		
NRS 035-2:2002 Outdoor distribution cut-outs Part 2: Expulsion fuse-links - For nominal a.c.	voltages up to and including 33 kV	
Ed 2.00 A4 18p EN PDF 18p EN	Gr 7 29 120 50: 29 240 01	
PIESA 002-2:2002, NEQ	LU. 120.00, 20.270.01	
Covers outdoor distribution cut-outs for pole mounting, ie complete drop-out single intended for overload/short-circuit protection or for disconnection of distribution equ a nominal voltage of 22kV. Covers applications for light and medium pollution lever related creepage distances specified in SABS IEC 186.	-vented expulsion fuse-link assemblies and solid-link assemblies upment or parts of a reticulation system (or for both) operating at els as defined in IEC 815 and applied in conjunction with the	

NRS 040-1:1999 High-voltage operating regulations Part 1: Definitions - Preferred definitions generation, transmission and distribution of electricity	for systems, equipment and conditions relating to the	
Ed 1.01 A4 38p EN PDF 38p EN	Gr 10	
Covers definitions for use in operating regulations for high-voltage generation trans	smission and distribution systems.	
NRS 040-2-2000		
High-voltage operating regulations Part 2: Voltage colour coding for diagran mounted operating diagrams and electronic displays relating to the generati Ed 2.00 A4 9p EN	nmatic displays in control rooms - Colour coding for wall- on, transmission and distribution of electricity Gr 6	
PDF 9p EN	01.070; 29.240.01	
Specifies voltage and status colour coding that are intended for use on mimic panels and electronic displays and that can be used in other appropriate operating diagrams and applications relating to generation, transmission and distribution systems.		
NRS 040-3:2011		
Ed 3.00 A4 47p EN	Gr 11	
PDF 47p EN	29.240.01	
NBS 040-4·2009		
High-voltage operating regulations Part 4: Recommended model for the train Electricity Supply Industry for network operations	ning, competency assessment and authorization of the	
Ed 1.00 A4 40p EN PDF 40p EN	Gr 10	
Sets out the process, to designated persons, for skills development, competency of industry employees and other persons.	declaration, assessment and authorization of electricity supply	
NRS 040-5:2008		
High-voltage operating regulations Part 5: Standard procedure and terminole Ed 1.00 A4 19p EN PDE 19p EN	ogy for the issuing of operating instructions Gr 8	
Defines a procedure and terminology for control and field staff interaction when op	29.240.01 erating medium-voltage and high-voltage apparatus.	
High-voltage operating instructions Part 6: Code of practice for earthing		
Ed 1.00 A4 12p EN PDF 12p EN	Gr 6 29.080; 29.120.50; 29.240.01	
Establishes and promotes the uniform use, understanding and implementation of a gear in power stations, substations, overhead lines, metal-clad switchgear, cables	the different types of medium-voltage and high-voltage earthing and mini-stations.	
NRS 042:2012 Guide for the protection of electronic equipment against damaging transient	s	
Ed 2.00 A4 31p EN PDE 31p EN	Gr 10	
Describes both the possible sources of transients and also the measures that can vulnerable to these transients. Also covers surge protective devices and their ass	be implemented in order to make electronic equipment less ociated circuitry, together with screening and bonding.	
NRS 043:2005		
Figure 2 00 A4 21b EN	Gr 8	
PDF 21p EN	29.240.99; 33.040.99	
Applies in cases where power lines, of nominal phase-to-phase voltage up to and where telecommunication lines are to be added to existing power line structures, a line structures, and where new, joint construction is undertaken.	including 33 kV, share a route with telecommunication lines where power lines are to be added to existing telecommunication	
NRS 044:2002 Working procedures and standards in respect of the installation of new electory of the installation of new electory of the installation of new electory of the installation of the installation of the electory of th	trical works and telecommunication facilities, or the	
Ed 1.00 A4 22p EN	Gr 9	
PDF 22p EN	33.020; 33.030	
Covers the working procedures and standards for the execution of all projects in re- telecommunication facilities or the extension or modification thereof. Prescribes th complied with in respect of each project, including HV and LV epuipment applicab conditions not covered by other specifications.	espect of the installation of new electrical works and e minimum safety clearances and requirements that have to be le to overhead and underground networks, and addresses unsafe	

Standards South Africa Catalogue 2013 NUM - 894

NRS 046:2012 Electricity distribution - Load-break switch-disconnectors - Pole-mounted t including 36 kV	ype for rated a.c. voltages above 1 kV and up to and
Ed 1.02 A4 25p EN	Gr 9
Applicable to limited purpose pole-mounted gang-operated load-break switch-dis36 kV, that are designed for outdoor installation for operation at a rated frequencyAm 1(National), 2002-12-01Am 2(National), 2012-04-13	29.120.40; 29.240.30 connectors for rated voltages above 1 kV and up to and including y of 50 Hz.
NRS 047-1:2005	
Electricity supply - Quality of service Part 1: Minimum standards	
PDF 29p EN	Gr 9 03.120.10; 91.140.50
Outlines various service activities and minimum standards for measuring the qua Africa. Also introduces various quality-of-service activities that utilities will report	lity of service provided to customers by electricity utilities in South to the National Electricity Regulator of South Africa (NERSA).
NRS 047-2:2001	
Electricity supply - Quality of service Part 2: Reporting guidelines	0+ 11
PDF 23p EN	03.120.10; 91.140.50
Contains recommended reporting formats for the quality-of-service activities stips use to report to the National Electricity Regulator.	ulated in NRS 047-1, which the licensees in South Africa should
Electricity supply - Quality of supply Part 2: Voltage characteristics, compared 3.00 A4 400 EN	tibility levels, limits and assessment methods Gr 10
PDF 40p EN	03.120.10; 91.140.50
Specifies the voltage characteristics, compatibility levels, limits and assessment licensees to end customers.	methods for the quality of electricity supplied by South African
NRS 048-4:2009 Electricity supply - Quality of supply Part 4: Application practices for licenc	ees
Ed 2.00 A4 55p EN	Gr 12
PDF 55p EN	91.140.50
Provides technical practices for transmission and distribution licensees to suppor requirements of the National Energy Regulator of South Africa in the NER Directi requirements of NRS 048-2.	t the management of power quality in accordance with the ve on power quality, and in particular, to comply with the
NRS 048-6:2009	
Electricity supply - Quality of supply Part 6: Measurement and reporting of Ed. 1.00, A4 515 EN	medium-voltage network interruption performance
PDF 51p EN	91.140.50
Addresses the impact on MV and LV customers supply interruptions, caused by defining system interruption performance on customer interruptions and power transmission of the system interruption performance on customer interruptions.	events on the MC, HC and EHV systems. Provides indices for ansformer capacity.
NRS 048-7:2012	
Electricity supply - Quality of supply Part 9: Application practices for end-cu	Ustomers Cr. 15
PDF 57p EN	29.240; 91.140.50
Provides recommended technical practices for end-customers of transmission ar authority. Provides guidelines on how emission limits may be met by customers.	nd distribution companies licensed by the national electricity
NRS 048-8:2009 Electricity supply - Quality of supply Part 8: Measurement and reporting of intervintion performance	extra high voltage (EHV) and high voltage (HV) network
Ed 1.00 A4 26p EN	Gr 9
PDF 26p EN	
Specifies the measurement and reporting of the interruption performance of extra networks on a system-wide basis.	a high voltage (EHV) and high voltage (HV) electricity supply
NRS 048-9:2010 Electricity supply - Quality of supply Part 9: Load reduction practices, syste	m restoration practices, and critical load and essential
Ed 1.00 A4 57p EN	Gr 12
PDF 57p EN	91.140.50
Provides for the implementation of a nationally consistent, real-time response to	a variety of system emergencies.

Standards South Africa Catalogue 2013 NUM - 895

NRS 049:20	108 Actoring Infractiviative (AMI) for residential and commercial custo	
	Netering intrastructure (AMI) for residential and commercial custo	niers Oc. 40
E0 1.00 A4	F 39p EN DE 39n EN	
		17.220.20, 91.140.30
Sets out the three-phase	requirements for AMI metering systems intended for time-of-use meter service connections. Intended that AMI systems will cater for both cre	rring and load management of customers with single-phase and dit and prepayment metering applications.
NRS 051:19	99	
Suspension	n and strain fittings for insulated neutral supporting conductors u	sed in medium-voltage aerial bundled conductor
systems		
Ed 1.00 A4		Gr 10
PL	JF 29p EN	29.050
Covers the results system volta	requirements for the manufacture, testing and supply of strain and suspages from 3,3 kV up to and including 33 kV.	pension fittings for aerial bundled conductors for use at a.c.
NRS 052-1:1	1999	
Photovoltai electricity g	c systems for use in individual homes Part 1: Standard requireme rid	ents applicable to individual homes remote from the
Ed 1.00 A4	l 84p EN Loose-leaf	Gr 15
PD	DF 84p EN	27.160
Specifies rec national prog	quirements for the components of photovoltaic systems as optimized for gramme to provide solar power to individual homes, and the installation	or four system sizes, based on d.c. 12 V, as envisaged in a n of such systems in these homes.
NRS 052-2-1	1:1999	
Photovoltai	c systems for use in individual homes Part 2: Test procedures for	main components Section 1: Test procedures for
photovoltai	c modules	
Ed 1.00 A4	k 8p EN Loose-leat	Gr /
FL	DI OP EN	27.160
Specifies tes A as envisag	st procedures for photovoltaic modules for use in photovoltaic systems ged in NRS 052-1.	of nominal d.c. voltage 12 V and maximum currents of up to 15
NRS 052-2-2 Photovoltai	2:1999 c systems for use in individual homes Part 2: Test procedures for	main components Section 2. Test procedures for
batteries		
Ed 1.00 A4	F7p EN Loose-leaf	Gr 7
PD	DF 7p EN	27.160
Specifies tes envisaged in	st procedures for batteries of nominal d.c. voltage 12 V and maximum NRS 052-1.	currents of up to 15 A for use in photovoltaic systems as
NRS 052-2-3	3-1999	
Photovoltai	c systems for use in individual homes Part 2: Test procedures for	main components Section 3: Test procedures for
	1.265 EN Looso loof	Gr 11
PC	DF 26p EN	27 160
0 10 1	··	
envisaged in	n NRS 052-1.	d.c. voltage 12 V and maximum currents of up to 15 A as
NRS 052-2-4	4:1999	
Photovoltai	c systems for use in individual homes Part 2: Test procedures for	main components Section 4: Test procedures for
Ed 1.00 A4	11p EN Loose-leaf	Gr 8
PD	DF 11p EN	27.160
Specifies tes envisaged in	st procedures for inverters for use in photovoltaic systems of nominal on NRS 052-1.	I.c. voltage 12 V and maximum currects of up to 15 A as
NRS 052-2-5	5:1999	
Photovoltai luminaires	c systems for use in individual homes Part 2: Test procedures for	main components Section 5: Test procedures for
Ed 1.00 A4	l 8p EN Loose-leaf	Gr 7
PD	DF 8p EN	27.160
Specifies tes envisaged in	st procedures for luminaires for use in photovoltaic systems of nominal NRS 052-1.	d.c. voltage 12 V and maximum currents of up to 15 A as
-		
NRS 053:20	08	
NRS 053:20 Accessories	08 s for medium-voltage power cables (3.8/6.6 kV to 19/33 kV)	
NRS 053:20 Accessories Ed 2.00 A4	08 s for medium-voltage power cables (3,8/6,6 kV to 19/33 kV) 4 43p EN	Gr 11
NRS 053:20 Accessories Ed 2.00 A4 PD	08 s for medium-voltage power cables (3,8/6,6 kV to 19/33 kV) I 43p EN DF 43p EN	Gr 11 29 120 20

Covers the requirements for accessories for medium-voltage cables used on a.c. systems of voltage from 6,6 kV up to and including 33 kV. Accessories for both impregnated-paper and XLPE-insulated cables are covered.

NRS 054:2002 Power transformers		
Ed 1.00 A4 141p EN	Gr 17	
PDF 141p EN	29.180	
Applies to oil-immersed, air-cooled, three-phase power network transformers with to and including 132 kV.	n ratings equal to or greater than 2,5 MVA and with HV winding up	
NRS 055:2011 Revenue protection		
Ed 3.00 A4 65p EN	Gr 13	
PDF 65p EN	29.240.99; 91.140.50	
Provides best practices in the field of revenue protection and credit control for ele providers, where applicable. Outlines the basic procedures, resources and training in place to ensure good revenue protection.	ectricity utilities. Can also be adapted for used by other service of for utilities and their contractors and customers which should be	
NRS 056-1:2005 Service distribution boxes - Meter kiosks and distribution kiosks Part 1: Lo	w-voltage non-steel meter kiosks for use in underground	
Ed 1.00 A4 20p EN	Gr 8	
PDF 20p EN	29.240.01	
Covers the requirements for outdoor ground-mounted service distribution boxes (phase and three-phase low-voltage a.c. service connections.	SDBs) for the supply, through underground cables, of single-	
NRS 056-2:2012		
Service distribution boxes - Meter kiosks and distribution kiosks Part 2: Gr	ound-mounted, low-voltage distribution kiosks	
Ed 2.00 A4 20p EN	Gr 8	
Covers the requirements for outdoor, ground-mounted, service distribution boxes	29.240.01 (SDBs) for the supply, through underground cables, of single-	
phase and three phase low-voltage a.c. service connections.		
NRS 059:2002 (2010-01-22) Recommendations to minimize problems associated with the theft of transf	ormer neutral and neutral earthing copper conductors	
Ed 1.01 A4 22p EN PDF 22p EN	Gr 8 13.310; 29.050	
Contains recommendations that, if implemented, could reduce the theft of transfor theft of copper conductors, prevent overvoltages that damage the consumers' ap mounted transformers, transformers in brick substations and transformers in min up to and including 24 kV. Am 1(National), 2002-09-01	ormer neutral and neutral earthing conductors, or, in the event of pliances/equipment. These recommendations are for pole- i-substations where transformers have a rated primary voltage of	
NRS 060:2005		
Code of practice for clearances for electrical systems with rated voltages u	p to and including 145 kV, for the safety of persons	
Ed 2.00 A4 39p EN	Gr 10	
PDF 39P EN	29.240.20	
Covers safety clearances between live parts and objects for rated voltages up to and including 145 kV. The clearances stipulated in this code of practice provide a measure of safety to persons in the vicinity of live parts. Does not cover distances maintained between conductors of overhead lines per se, because these are determined by the required performance criteria of the line. However, where necessary, the phase-to-phase and phase-to-earth clearances are used to illustrate their contribution to the overall safety clearance of the system. Does not relate to the basic insulation level of equipment used on the overhead line, because this is determined by the system design and performance required of the system. For safety aspects other than safety clearances, other specifications and codes of practice will apply.		
NRS 061-1:2012 Overhead ground wire with optical fibre Part 1: Product specification		
Ed 2.00 A4 23p EN	Gr 9	
PDF 23p EN	29.060	
Specifies the essential mechanical and electrical characteristics, acceptance criteristics (OPGW) for application with nominal voltages from 66 kV up to and including	eria and test requirements for metallic armoured optical ground g 765 kV.	
NRS 061-2:2004 Specification for overhead ground wire with optical fibre Part 2: Installation	guidelines	

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Ed 1.00	A4 31p EN			Gr 10
	PDF 31p EN			29.060

Specifies the installation of overhead fibre links between patch panel enclosures at the two terminating substations. It also specifies the essential methods for stringing, tensioning, earthing, jointing and terminating of the overhead ground wire with optical fibre (OPGW).

NRS 064:2005	weating in the Electricity Complex Inductory
Ed 1.00 A4.102p EN	Gr 15
PDF 102p EN	91.140.50
Specifies the data to be shared, the format of should be captured and exchanged as a minin exchanged if information is available on that s extensive model of the electrical network, if re-	the data and, the metadata of the data. This specification defines: Mandatory data elements (M) that num requirement to conform to this specification; Conditional data elements (C) that should be pecific data element, and optional data elements (O) are also provided for to allow for a more quired.
NRS 066:2002	
Medium-voltage insulators	
Ed 1.00 A4 21p EN	Gr 9
PDF 21p EN	29.080.10
Covers the technical requirements for post an kV, 22 kV and 33 kV, and that are classified a	d long rod medium-voltage insulators for use on overhead power lines with a nominal voltage of 11 s class A insulators in accordance with SABS IEC 60383-1.
NRS 068:2002	
Electricity distribution - Cable earth fault in	dicator
Ed 1.00 A4 13p EN	Gr 7
PDF 13p EN	29.060.20
Covers the manufacture and test requirements staff in identifying a section of MV cable network	s for Earth Fault Indicators (EFIs) to be used on MV cable networks. The EFI is used to assist field ork that has faulted to earth.
NRS 069:2004	
Code of practice for the recovery of capital	costs for distribution network assets
Ed 1.00 A4 63p EN	Gr 13
PDF 63p EN	29.240.01
D	

Documents the reasons for a revision of policies for the recovery of network capital costs in the South African electricity supply industry (ESI). Develops a revised approach for electricity utilities on the recovery of network capital costs. Determines the capital charges, including connection fees and the capital contribution, and refers to the capital in the tariff but excludes the determination of any tariff charges. Covers distribution networks in the ESI. It excludes all transmission assets owned by the national transmission company that are to be covered as part of the wholesale electricity pricing system (WEPS). Covers two distinctly different areas namely urban and rural and applies differently for a) urban areas at any voltage; b) rural areas with supplies from the MV busbars at the HV to MV transformation substations down to LV (this may be further classified as peri-rural, rural, deep rural or others); and c) although the principles are the same, the methodology will differ significantly in that in urban areas, rebating of capital contributions previously made, will be the exception rather than the rule.

NRS 070:2004

Quality of service standard for non-grid electricity customers

Ed 1.00	A4 17p EN	Gr 7
	PDF 17p EN	03.080.30; 91.140.50

Outlines various service activities and the minimum standards for measuring the quality of service provided to non-grid customers by non-grid service providers in South Africa. It also introduces various quality-of-service activities that the non-grid service providers would report on to the NER. This reporting is intended to give the NER a common basis for evaluating quality of service to non-grid customers when: a) monitoring and evaluating the performance of non-grid service providers on an ongoing basis; b) dealing with disputes between customers and service providers; and b) ensuring the service providers institute corrective measures.

NRS 072:2003	(2013-02-22)
Oversheed line	fault math indiantaus

Overhead line fault path indicators		
Ed 1.00	A4 15p EN	Gr 7
	PDF 15p EN	29.240.20

Covers the manufacture and test requirements for fault path indicators (FPIs) to be used on dual phase and 3-phase medium voltage overhead lines including single wire earth return lines.

NRS 073:2008

Wood poles, cross-arms and spacer blocks

Ed 1.00	A4 25p EN	Gr 9
	PDF 25p EN	29.240.99; 79.040

NRS 074-1:2005

Low-voltage (600/1 000 V) cable systems for underground electrical distribution Part 1: Cables Ed 2.00 A4 13p EN Gr 6 PDF 13p EN 29.060.20; 29.240.20

Specifies the preferred construction and testing requirements for low-voltage (LV) power cables. Includes the particular requirements for power cables for application in South African distribution networks.

s.

29.240.20 Is) to be used on dual p

29.240.99; 79.0

NRS 074-2:2011 Low-voltage (600/1 000 V) cable systems for underground electrical distribution Part 2: Accessories Ed 1.00 A4 23p EN Gr 9 PDF 23p EN

NRS 075:2011

Mechanical torque shear connectors for medium voltage applications Ed 2.00 A4 14p EN Gr 6 PDF 14p EN 29.100.01

Covers the requirements for range-taking mechanical torque shear connectors for medium voltage applications. Special centre palm and bimetallic lugs are excluded from this specification.

NRS 076:2005 (2013-02-22)

Earthing of distribution substations with nominal voltages up to and includin	g 132 kV
Ed 1.00 A4 27p EN	Gr 9

PDF 27p EN

Sets out the practices for the design and installation of new distribution substations' earthing systems, for substations with nominal voltages up to and including 132 kV.

NRS 077:2005

XLPE-insulated cables and accessories for systems with nominal voltages of 44 kV, 66 kV, 88 kV and 132 kV

Ed 1.00 A4 27p EN	Gr 9
PDF 27p EN	29.060.20

Covers the requirements for single-core XLPE-insulated cables and accessories for systems with nominal voltages of 44 kV, 66 kV, 88 kV and 132 kV. Test methods and requirements specified are in accordance with IEC 60840.

NRS 078-1:2004

Long open	all dialactric o	olf our portin	a fibro ontic	ochloc Dor	+ 1 · Draduat	oposification
Lung-span	an-ulelectric S	en-supporting	y indre optic	, capies rai	ι ι. Γισαμεί	specification

Ed 1.00	A4 16p EN	Gr 7
	PDF 16p EN	33.180.10

Specifies the essential mechanical, electrical and optical characteristics, acceptance criteria and test requirements for long-span all-dielectric selfsupporting optic fibre cables for application with a nominal voltage up to and including 132 kV. It does not cover the parameters of the optical fibres to be incorporated in the cable, which will be detailed in a separate specification.

NRS 078-2:2005

Long-span all-dielectric self-supporting fibre optic cables Part 2: Installation guidelines

Ed 1.00	A4 31p EN	G	àr 10
	PDF 31p EN	33	3.180.10

Identifies the essential methods for stringing, tensioning, jointing and terminating of long-span all-dielectric self-supporting (ADSS) fibre optic cable for use on overhead power lines.

NRS 079-1:2012

Mineral insulating oils (uninhibited and inhibited) Pa	rt 1: Purchase, management, maintenance and testing
	–

Ed 2.00	A4 49p EN
	PDF 49p EN

Covers provisions for the purchase, management, maintenance and testing of new, regenerated and in-service mineral insulating oils for use in transformers, reactors, switchgear and similar electrical apparatus for insulation and heat transfer purposes.

NRS 080:2004

Quantifying and reporting of energy losses in electricity distribution network	s	
Ed 1.00 A4 11p EN	Gr	6

Ed 1.00 A4 11p EN PDF 11p EN

This specification sets out a standard methodology for quantifying and reporting energy loss statistics in the South African Electricity Disctribution Industry by: specifying the process for quantifying energy losses; standardizing the estimation of technical losses; and reporting these losses internally and to the NER in a consistent format.

NRS 081:2005

Single-mode non-dispersion shifted optical fibres

Ed 1.00	A4 15p EN	Gr 7
	PDF 15p EN	33.180.10

Details requirements of single-mode non-dispersion shifted optical fibres used in both the 1 310 nm and 1 550 nm wavelength regions. Suitable for optical fibres used in aerial and duct cable applications.

Gr 11

29.040.10

91.140.50

13,260:29,240,10

.00 A	4 46p EN	Gr 11
Р	DF 46p EN	17.220; 29
ifies th r heatir remen nissior	ne minimum technical requirements for centralized load control systems to ng loads, to reduce load during times of peak demand, as a tariff manage ts for the installation and commissioning of load control relays in custom ning, operation and maintenance of such systems.	that are primarily intended for remote contro- ement tool, or in emergency situations. Also ers' premises, and gives guidance on the s
087:20 elines	008 s for the management of SF6 (sulfur hexafluoride) for use in electric	al equipment
.00 A	4 54p EN	Gr 12
Р	DF 54p EN	29.040.20
rs prov mposit	visions for the purchase, storage, management, handling and safe dispo tion by-products for use in electrical equipment for dielectric and arc-que	sal of new, used, in-service and contamina nching purposes.
088-1:	:2007	
and d	lirect-buried underground fibre-optic cable Part 1: Product specifica	ation
.00 A	4 17p EN	Gr 7
Р	DF 17p EN	33.180.10
rs the s.	essential construction, performance and acceptance criteria and test rec	uirements for duct and direct-buried under
088-2:	:2009 lirest buried underground fibre entire cable Bart 2: Installation guide	line

the maintenance of electricity networks operated at voltages up to and including 132 kV (including all associated control and protection systems).

NRS 083-1:2007 Code of practice for the application of electromagnetic compatibility (EMC) standards and guidelines in electricity utility networks Part 1: Equipment standards Ed 1.00 A4 56p EN Gr 12 PDF 56p EN 29.240.01; 33.100.99 Covers the selection of appropriate EMC standards and test levels for electronic equipment used in the transmission and ditribution of electricity.

NRS 083-2:2009

NRS 082:2004

Ed 1.00 A4 12p EN

PDF 12p EN

Recommended maintenance policy for electricity networks

Electromagnetic compatibility (EMC) in electricity utility networks Part 2: Substation design and equipment installation practices		
Ed 1.00	A4 108p EN	Gr 16
	PDF 108p EN	29.240.20: 33.100

Covers the installation practices for primary and secondary substation equipment from the viewpoint of reducing electromagnetic interference (EMI) phenomena and providing associated good practice for substation design, earthing and surge protection. Can be applied, as far as appropriate, to the drafting of specifications, guides, user manuals and related technical documents.

NRS 083-3:2009

Electromagnetic compatibility (EMC) in electricity utility networks Part 3: Secondary equipment installations in substation rooms -Illustrations

Ed 1.00 A4 29p EN Gr 10 PDF 29p EN 29.240.20; 33.100

Provides illustrated guidance for the installation, cabling and wiring of secondary electrical and electronic equipment inside substation rooms or kiosks, complementary to the methods covered in NRS 083-2.

NRS 083-4:2011

Electromagnetic compatibility (EMC) in electricity utility networks Part 4: Induction by power lines into electronic communications		
installations		
Ed 1.01 A4 120p EN	Gr 15	

d 1.01	A4 120p EN	Gr 15
	PDF 120p EN	29.240.20; 33.040; 33.100

NRS 086:2010

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Centralized load control systems		
Ed 1.00	A4 46p EN	Gr 11
	PDF 46p EN	17.220; 29

Spec ol of residential o specifies water requi selection, installation, comr

NRS

Guid

Ed 1.00	A4 54p EN	Gr 12
	PDF 54p EN	29.040.20

Cove ted SF6 gas and its deco

NRS

Duct and direct-buried underground fibre-optic cable Part 1: Product specification
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Ed 1

Cove ground optical fibre cable

NRS

Duct and direct-buried underground fibre-optic cable Part 2: Installation guidelines

Ed 1.00	A4 26p EN	Gr 9
	PDF 26p EN	29.060.20; 33.180.10; 93.020

Identifies the essential methods for civil works, duct and underground optical fibre cable installation, jointing and terminating of duct and directbureid optical fibre cables.

NUMERICAL LIST OF STANDARDS

Sets out guidelines for the development of a policy in order to optimize maintenance. The recommended policy is presented in such a manner that the requirements of customers, internal stakeholders and legal authorities related to such networks are met at minimum life cycle cost. Applies to

Gr 6

29.240.01

NRS 089-1:201	2 f electrisity potwerke Port 1. Underground distribution system	_
Ed 1.00 A4 20	b EN	s Gr 8
PDF	20p EN	29.240.01
Provides recom recording of ma	mendations and minimum maintenance requirements for undergrou intenance history.	und distribution systems. Ensures a standard approach to the
NRS 089-2-1:2	011	
Maintenance o	of electricity networks Part 2: Overhead distribution systems Se	ection 1: Overhead power lines
Ed 1.00 A4 26 PDF 2	ip EN 26p EN	Gr 9 29 240: 29 240 20
Provides the mi history.	inimum maintenance requirements for overhead power lines. Also e	ensures a standard approach to the recording of maintenance
NRS 089-2-2:2	011	
Maintenance o	f electricity networks Part 2: Overhead distribution systems Se	ection 2: Inspection and supplemental treatment of
	atility poles	Gr 9
PDF 2	25p EN	29.240; 29.240.99; 79.040
Contains standa	ardized guidelines for the maintenance of wood poles used in overh	lead distribution lines.
Maintenance o pole structure	of electricity networks Part 2: Overhead distribution systems Se	ection 3: The manual replacement of a rotten wooden
Ed 1.00 A4 31	p EN	Gr 10
PDF :	31p EN	29.240.99; 79.040
Ed 1.00 A4 15 PDF	δρ ΕΝ 15ρ ΕΝ	Gr 7 29.240
NDC 000 2 5.20	011	
Maintenance o	of electricity networks Part 2: Overhead distribution systems Se	ection 5: Insulators
Ed 1.00 A4 18	BP EN	Gr 7
PDF	18p EN	29.240.20
NRS 089-3-1:2	009	
Maintenance o	of electricity networks Part 3: Substations Section 1: General	
Ed 1.00 A4 27 PDF 2	ζρ EN 27ρ EN	Gr 9
Establishes ger	neral principles for the maintenance of substations.	23.240.01, 23.240.10
NRS 089-3-2:20 Maintenance o transformers	009 If electricity networks Part 3: Substations Section 2: Power tran	nsformers, circuit-breakers, isolators and instrument
Ed 1.00 A4 25	5p EN	Gr 9
PDF 2	25p EN	29.180; 29.240.10
Sets out the ma of field staff and	aintenance work to be carried out on power transformers, circuit-bre d specialists.	akers, isolators and instrument transformers and defines duties
NRS 089-3-3:20 Maintenance o enclosures	009 f electricity networks Part 3: Substations Section 3: Miniature	substations, distribution transformers and electrical
Ed 1.00 A4 17	'ρ EN	Gr 7
PDF	17p EN	29.180; 29.240.10
Sets out the ma	aintenance work to be carried out on miniature substations, distribut	ion transformers and electrical enclosures.

NRS 089-4:2012	
Maintenance of electricity networks Part 4: Control technology	
PDF 23p EN	
Provides minimum requirements for routine inspection and maintenance of the commethodology, control and execution of maintenance procedures.	ntrol technology plant by establishin a holistic philosophy on the
NPS 080 5 1:0000	
Maintenance of electricity networks Part 5: Street lighting and high masts Se	ection 1: Maintenance of street lighting and high masts
Ed 1.00 A4 15p EN	Gr 7
PDF 15p EN	93.080.40
Provides minimum maintenance requirements for street lighting equipment and his	gh masts as required by NRS 082-0 and the NRS 089 series.
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NRS 092:2010	
Electricity distribution - Guideline for the construction of medium-voltage ov	verhead power lines of up to and including 22 kV, using
Ed 1.00. A4 31p EN	Gr 10
PDF 31p EN	29 240 20
Covers requirements for the construction of low-voltage and medium-voltage (up t	232 mod including 22 kV) overhead power lines including process
procedures.	o and including 22 kV) overhead power lines including process
NRS 093-1:2009	s for asset management in the South African Electricity
Distribution Industry	s for asset management in the South Aircan Electricity
Ed 1.00 A4 20p EN	Gr 8
PDF 20p EN	29.020
Sets out minimum requirements for asset management of electricity infrastructure	at an electricity utility.
NRS 095:2012	
Pre-cast concrete plinths for cable-connected equipment	
Ed 1.00 A4 23p EN PDE 23p EN	Gr 9
	29.020; 91.140.50
Covers the requirements for pre-cast concrete plinths for use with miniature substa units.	ations, free-standing ring main units and ground-mounted CI-VT
NRS 096-1:2007	u motoro
Ed 1.00 A4.166 EN	Gr 7
PDF 16p EN	29 020: 91 140 50
Sate requirements for the cooling of electricity maters and related applicant materia	a oguipment. Provides guidelines on the reles and
responsibilities related to the management of seals and information on the require	ments for various types of seal.
NRS 096-2:2009	nactions for electricity matering
Ed 1.00 A4 14p EN	Gr 6
PDF 14p EN	29 020: 91 140 50
Sate out technical requirements for test blocks and for the wiring of test blocks in u	metering control circuits
	netening control circuits.
NRS 097-2-1:2010	
Grid interconnection of embedded generation Part 2: Small-scale embedded	generation Section 1: Utility interface
Ed 1.00 A4 35p EN	Gr 10
PDF 35p EN	91.140.50
Defines standards for the utility interface for the interconnection of small-scale em generators of nominal capacity less than 100 kW, connected to a single-phase, du	bedded generation to a utility network. Applies to embedded al phase, or three-phase low-voltage utility network.
NRS 098:2009	
Guidelines for the installation and safe use of portable generators on utilities	s' networks
Ed 1.00 A4 18p EN	Gr 7
PDF 18p EN	29.160.20

Specifies guidelines and technical requirements for the interfacing of low-voltage generators with the local supply network, and to ensure that they do not compromise the network integrity or safety of the utility or the user.

Standards South Africa Catalogue 2013 NUM - 903

Bulk metering units for medium-voltage systems with rated a.c. voltages up to and including 24 kV Ed 1.00 A4 34p EN Gr 10 PDF 34p EN 01.040.17; 17.220.20; 29.100.20; 91.140.50 Covers the construction, quality, technical and safety requirements for indoor and outdoor three-phase MV bulk metering units for systems with rated a.c. voltages up to and including 24 kV. NRS 101:2011 Guidelines for the reduction of theft of utility service metals Ed 1.00 A4 26p EN Gr 9 PDF 26p EN Provides guidelines that will assist utilities to minimize theft of service related rquipment which includes ferrous and non-ferrous metals.

PIESA 002-1:2000 Outdoor distribution cut-outs Part 1: Drop-out fuse-link assemblies or solid-link assemblies - Pole-mounted types. For nominal a.c. voltages up to and including 33 kV

Ed 1.00 A4 32p EN PDF 32p EN

NRS 099:2012

This part of PIESA 002 covers outdoor distribution cut-outs for pole mounting, i.e. complete drop-out single-vented, expulsion fuse-link assemblies and solid-link assemblies intended for overload/short-circuit protection or for disconnection of distribution equipment or parts of a reticulation system (or for both) operating at nominal voltages up to and including 33 kV and at the service conditions specified in schedule A. This part of PIESA 002 covers cut-outs for the vast majority of applications, these applications being for the range of pollution levels experienced in East and Southern African regions and for the fault current withstand/breaking capabilities associated with single-vented expulsion fuse-link assemblies. The pollution levels are as defined in SABS IEC 60815 and have been applied in conjunction with the related creepage distances specified in SABS IEC 60186 (see annex D). The cut-outs are intended to be used under the following normal environmental conditions: a) ambient air temperature: -15 °C to 50 °C; b) altitude: not exceeding 1 800 m; c) pollution level: as specified in schedule A; d) average humidity: not exceeding 95 %; e) negligible vibration due to external causes; f) diurnal temperature variation: not exceeding 35 K, and g) wind pressure: not exceeding 700 Pa (equivalent to 34 m/s).

PIESA 002-2:2002

Ed 1.00 A4 15p EN

Outdoor distribution cut-outs Part 2: Expulsion fuse-links. For nominal a.c. voltages up to and including 33 kV

PDF 15p EN	03.120.10; 91.140.50
This specification covers the minimum requireme	nts for expulsion fuse-links for application with drop-outfuse-link assemblies, as specified in
PIESA 002-1, at nominal a.c. voltages of 11 kV, 2	22 kV, and 33 kV (19 kV SWER).

PIESA 003-1:2001

Low-voltage (600/1 000 V) cable systems for underground electrical distribution Part 1: Cables

Ed 1.00 A4 19p EN PDF 19p EN

This part of PIESA 003 specifies the requirements for the construction and testing of the following low-voltage cables used for underground electrical distribution: a) PVC insulated, aluminium wire armoured, single-core copper cables, and b) PVC insulated, steel wire armoured, two-, three- and four-core copper cables. Accessories for these cables are detailed in Part 2 of Piesa 003 and the selection, handling and installation of cable and accessories are covered in Part 3 of PIESA 003. NOTE Cables for special applications such as petrochemical plants, power stations and underground mines are not covered in this standard.

PIESA 003-2:2002

Ed 1.00 A4 22p EN

Low-voltage (600/1 000 V) cable systems for underground electrical distribution Part 2: Accessories

PDF 22p EN 03.120.10; 91.140.50 This part of PIESA 003 specifies the requirements for the materials, construction and testing of the following low-voltage accessories that are used with cables for underground electrical distribution:a) cable joints;b) outdoor terminations;c) indoor terminations;d) cable glands; and e) lugs and ferrules. Requirements for cables for underground electrical distribution are given in Part 1 of PIESA 003 and the selection, handling and installation of cable and accessories is covered in Part 3. NOTE Cables and accessories for special applications such as petrochemical plants, power stations

PIESA 003-3:2002

and underground mines are not covered by this standard.

Low-voltage (600/1 000 V) cable systems for underground electrical distribution Part 2: Code of practice

Ed 1.00	A4 42p EN	Gr 11
	PDF 42p EN	03.120.10; 91.140.50

This part of PIESA 003 is a code of practice for the selection, handling and installation of low voltage (600/1 000 V) electric cables and accessories for underground electrical distribution. Part 1 covers the specification of low-voltage cables and Part 2 covers the accessories.NOTE The selection handling and installation of cables for special applications such as petrochemical plants, power stations and underground mines are not covered in this part of PIESA 003.

Gr 7

Gr 8

03.120.10; 91.140.50

Gr 8

03.120.10: 91.140.50

Gr 10

NUMERICAL LIST OF STANDARDS

Wood poles, cross-arms and spacer blocks

Ed 2.00 A4 28p EN PDF 28p EN Gr 9 29.240.20; 79.040

Sets out the requirements for all wood poles, cross-arms and spacer blocks for electric power applications.

PIESA 1004-1:2004

Low voltage (600/1 000 V) cable systems for overhead electrical distribution Part 1: Cables

Ed 1.00 A4 16p EN Gr 7 PDF 16p EN 29.060.20; 29.240.20

Specifies requirements for the construction, materials and testing of the following low voltage cables used for overhead electrical distribution: (a) aerial bundled conductors; and (b) single-phase aerial service cables. Accessories for these cables are detailed in PIESA 1004-2, and the selection, handling, and installation of cables and accessories are covered in PIESA 1004-3.

PIESA 1004-2:2004

Low volt	age (600/1 000 V) cable	systems for overhead	electrical distribution	Part 2: Accessories
Ed 1.00	A4 14p EN			Gr 6

d 1.00 A4 14p EN	Gr 6
PDF 14p EN	29.060.20; 29.240.20

Specifies the requirements for the construction, materials and testing of the following low voltage accessories used with cables for overhead electrical distribution: (a) strain and suspension fittings for insulated neutral supporting conductors; (b) strain and suspension fittings for aerial service cables; (c) current-carrying connectors and joints; (d) pole fittings; (e) pre-insulated ferrules; and (f) service distribution boxes. Requirements for cables for overhead electrical distribution are given in PIESA 1004-1 and the selection, handling and installation of cables and accessories are covered in PIESA 1004-3.

PIESA 1004-3:2005

Low voltage (600/1 000 V) cable systems for overhead electrical distribution Part 3: Application guide

Ed	1.00	A4 21p EN
		PDF 21p EN

Serves as a guide to the selection, handling and installation of low voltage (600/1 000 V) electric cables and accessories for overhead electrical distribution.

Gr 8

29.060.20; 29.240.20

PIESA 1006:2004

Distribut	tion transformers of size up to and including 500 kVA and operating a	at nominal voltages not exceeding 33 kV
Ed 1.00	A4 22p EN	Gr 4
	PDF 22p EN	29.180

Specifies requirements for (pole-mounted or ground-mounted) oil-immersed power transformers of size up to and including 500 kVA and intended for operation at nominal voltages not exceeding 33 kV.

PIESA 1007:2004

Electricity distribution - Stays and as	ssociated components
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Ed 1.00	A4 30p EN	Gr 8
	PDF 30p EN	29.240.20

Covers a rationalized range of stays and associated components intended for use where supplementary structural support is required for poles in an overhead electricity distribution system that uses voltages up to 44 kV.

PIESA 1009:2005

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Ed 1.00 A4 32p EN	Gr 10	
	PDF 32p EN	29.130.10
0.000	74 0005 MOD	

SANS 1874:2005, MOD

Specifies the characteristics of factory-assembled metal-enclosed ring main units that are rated for use on a three-phase cable system for rated voltages above 1 kV and up to and including 24 kV, and are designed for indoor or outdoor operation at a rated frequency of 50 Hz.

PIESA 1010:2005

Metal-cla	Metal-clad switchgear for rated A.C. voltages above 1 kV and up to and including 36 kV - General requirements and methods of test				
Ed 1.00	A4 59p EN	Gr 12			
	PDF 59p EN	29.130.10			

SANS 1885:2004, MOD

Specifies the requirements for factory-assembled, modular design, metal-clad switchgear panels for indoor installation, for rated a.c. voltages above 1 kV and up to and including 36 kV, for use on three-phase system.

PIESA 1012:2004

Cable terminations and live conductors within air-insulated enclosures (insulation co-ordination) for rated a.c. voltages of 7,2 kV and up to and including 36 kV

Ed 1.00 A4 31p EN PDF 31p EN

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PDF 31p EN	29.060.20

NRS 012:2002, MOD

Covers the requirements for enclosures for the termination of cables and housing of live conductors in air, for use indoors or outdoors, at rated a.c. voltages of 7,2 kV and up to and including 36 kV.

Gr 6

Gr 10

29.120.20; 29.240.20

Fittings and connectors for low-voltage overhead power lines using aerial bundled conductors Part 2: Strain and suspension fittings

PIESA 1018-2 covers the requirements for the manufacture, testing and supply of strain and suspension fittings for insulated neutral supporting conductors for use on a.c. system voltages up to and including 1 000 V, and is based on European standards which have been modified where necessary PIESA 1018-3:2004 Fittings and connectors for low-voltage overhead power lines using aerial bundled conductors Part 3: Strain and suspension fittings for bare neutral support conductors Ed 1.00 A4 28p EN Gr 9 PDF 28p EN 29.120.20; 29.240.20 PIESA 1018-3 covers the requirements for the manufacture, testing and supply of strain and suspension fittings for bare neutral supporting conductors for use on a.c. system voltage up to and including 1 000 V, and is based on European standards that have been modified where necessary. PIESA 1018-4:2004 Fittings and connectors for low voltage overhead power lines using aerial bundled conductors Part 4: Strain and suspension fittings for aerial service cables Gr 8 PDF 22p EN 29.120.20; 29.240.20 Covers the requirements for the manufacture, testing and supply of strain and suspension fittings for aerial service cables for use on a.c. system voltages up to and including 1000 V, and is based on European standards that have been modified where necessary. PIESA 1018-5:2004 Fittings and connectors for low voltage overhead power lines using aerial bundled conductors Part 5: Current-carrying connectors and joints Ed 1.00 A4 43p EN Gr 11 PDF 43p EN

Covers the requirements for the manufacture, testing and supply of current-carrying connectors and joints for aerial bundled conductors for use on a.c. system voltages up to and including 1 000 V.

PIESA 1020-2004

Electricity distribution - Cable ties for use with low-voltage aerial bundled conductors

Ed 1.00	A4 12p EN			Gr 6
	PDF 12p EN			29.120.20; 29.240.20

Covers physical and performance requirements for cable ties intended for use with aerial bundled conductors (ABCs).

PIESA 1032:2004

Service distribution boxes - Pole-mounted types for overhead single-phase a.c. service connections at 230 V

Ed 1	.00 A	4 19p EN
	Р	DF 19p EN

Covers the requirements for outdoor, pole-mounted service distribution boxes (SDBs) for the supply, through overhead cable, of single-phase electricity to domestic customers. The SDBs are intended for use in the range of climatic conditions prevailing throughout South Africa. Three types of SDB are covered in this specification: (a) type A, in which the customer's services are collectively protected; (b) type B, in which the customer's services are individually protected; and (c) split type, in which the customer's services are metered through a split prepayment meter.

PIESA 1048:2008

Electricity supply - Quality of supply - Voltage characteristics, compatibility levels, limits and assessment methods Gr 10

Ed	1.00	A4 38p EN
		PDF 38p EN

Specifies voltage characteristics, compatibility levels, limits and assessment methods for the quality of electricity supplied by utilities to end customers.

PIESA 1063:2005

Split-concentric single-phase aerial ser	vice cable - for domestic service connections with separate neutral and earth conductors
Ed 1.00 A4 19p EN	Gr 8

PDF 19p EN

Specifies requirements for split-concentric single-phase aerial service cable for domestic service connections with separate neutral and earth conductors. It is intended for use in aerial connections to a customer's installation, but it may also be installed underground. This cable includes an earth conductor to provide a connection to the supplier's protective conductor. The cable may include two communication cores.

03.120.10: 91.140.50

29.120.20; 29.240.20

Gr 8

29.060.20

29,240.01

Ed 1.00 A4 22p EN

PIESA 1018-2:2004

Ed 1.00 A4 39p EN

PDF 39p EN

for insulated neutral supporting conductors

PIESA 1102:2004	new mild steel fabricated equinment	
Ed 1.00 A4 22p EN		Gr 5
PDF 22p EN		25.220.40
Specifies corrosion protect transformers) that might be equipment for use in highly coatings for indoor application	tion requirements for new mild steel fabricated equipme e exposed to corrosive environments. Covers coatings f y corrosive environments and organic coatings for mild s tions.	nt (for example, complete assemblies such as switchgear and or zinc metal-sprayed and galvanized mild steel fabricated steel for use in slightly corrosive environments. Also covers
PIESA 1106:2006		
Electricity payment syste	ems - Prepayment passive units	
Ed 1.00 A4 1/p EN PDF 17p EN		Gr / 91 140 50
Sets out requirements for meters.	common bases and standard passive units for single-ph	ase 230 V service connections for application with prepayment
VC 8003:1998 (2003-05-0 Manually operated switc	6) hes for fixed installations	
Ed 2.00 A4 3p EN		Gr 0
PDF 3p EN		29.120.40
Covers manually operated A, and intended for fixed e Cor 1(National), 1998-05-	general purpose switches for a,c, only, with a rated volt lectrical installations, either indoors or outdoors. 29	age in the range 50 V to 440 V and rated current not exeeding 63
VC 8006:2010		
Flexible cords for electric	cal appliances	
Ed 4.00 A4 /p EN PDF 7p EN		Gr U 29.060.20
This specification covers the electric cords rated at a mindustrial equipment to a lophase a.c., or 400 V +- 100	he safety requirements for insulated single core flexible inimum of 300/500 V ac. These flexible cords are intend ow voltage mains supply conforming to the standard app % three phase a.c.	cords rated at a minimum of 500 v ac and multiple core flexible led to connect single or 3-phase appliances, luminaires and light plicable in the Republic of South Africa i.e. 230 V +- 10% single
VC 8008:2010 Plugs, socket-outlets and	d socket-outlet adaptors	
Ed 3.00 A4 8p EN PDF 8p EN		Gr 0 29.120.30
This specification covers the without earth contacts inter rated current not exceeding	he safety requirements for plugs, socket-outlets (fixed o nded for household and similar purposes, either indoors g 16 A ac.	r portable, single or multiple) and socket-outlet adaptors with or or outdoors with a rated voltage not exceeding 250 V and a
VC 8011:1999 Lampholders		
Ed 3.00 A4 2p EN		Gr 0
PDF 2p EN		29.140.10
Covers Edison screw lamp	pholders and bayonet lampholders	
VC 8012:2010		
Appliance couplers for h	ousehold and similar general purposes	
Ed 4.00 A4 7p EN		Gr 0
This specification covers the single or 3-phase cords to standard applicable in the	he safety requirements for appliance couplers for house electrical appliances or other light industrial equipment Republic of South Africa i.e. 230 V +- 10% single phase	29.120.30 hold and similar general purposes intended for the connection of operating at a low voltage mains supply conforming to the tac, or 400 V +- 10% three phase a c
VC 8013:1975		
Hydraulic brake and club	ch fluid	Gr 3
PDF 24p EN		75.120
Covers fluid of the non-pet Am 1(National), 1975-03-	roleum and the non-silicone types suitable for use in au Am 2(National), 2001-03-30	tomotive hydraulic brake and clutch systems.
VC 8014:2004		
The manufacture, produc	ction, processing and treatment of canned fish, can	ned marine molluscs and canned crustaceans
Ed 3.00 A4 79p EN		Gr 3
PUF /9p EN		67.120.30
Covers the manufacture, p mollusc products, canned	production, processing and treatment of canned fish, car crustaceans and canned crustacean products.	nned fish products, canned marine molluscs, canned marine

PDF 19p EN	13.340.20		
Covers requirements for the general design, construction, performance, marking, labelling and testing of safety helmets for use by motor cyclists on the roads.			
VC 8017:2003			
Frozen fish, frozen marine molluscs and frozen products der	rived therefrom		
Ed 3.00 A4 48p EN	Gr 3		
PDF 48p EN	67.120.30		
Covers the requirements for the handling, preparation, processing, packaging, freezing, storage and quality of frozen fish, frozen marine molluscs, frozen fish products and frozen marine mollusc products intended for human consumption. Also covers requirements for factories and employees involved in the production.			
VC 8019:2004			
The manufacture, production, processing and treatment of ca	anned meat products		
Ed 3.00 A4 87p EN	Gr 3		
PDF 87p EN	67.120.10; 67.120.20		
Specifies requirements for the manufacture, production, production, processing and treatment of canned meat products intended for human consumption.			
VC 8020-2002			
VC 8020.2003			
Frozen rock lobster and frozen lobster products derived ther	refrom		
Frozen rock lobster and frozen lobster products derived ther Ed 3.00 A4 44p EN	refrom Gr 3		

Covers requirements for the handling, preparation, processing, packaging, freezing, storage and quality of frozen lobster tails, frozen whole lobster (cooked or raw) or any other frozen lobster product derived from lobsters of the families Palinuridae and Scyllaridae, and of the family Nephropidae (genera Homaris, Nephrops and Metanephrops, or any other species of lobster), intended for human consumption. Also covers requirements for factories and employees involved in the production.

VC 8021:1974

VC 8016:1984

Ed 2.00 A4 19p EN

Safety helmets for motor cyclists

PDF 19p EN

Smoked snoek		
Ed 1.00	A4 16p EN	Gr 3
	PDF 16p EN	67.120.30

Covers the manufacture, production, processing or treatment of the cooked product, smoked snoek (Thyrsites atun).

VC 8022:2010

Compulsory specification for motor vehicles of category M1				
Ed 8.00	A4 20p EN	Gr 0		
	PDF 20p EN	43.100		

This specification covers the requirements for motor vehicle models of category M1, not previously registered or licensed in South Africa, and motor vehicle models assembled from new bodies and used parts from earlier designs of motor vehicle models, designed or adapted for operation on a public road.

VC 8023:2010

Compulsory specification for motor ve	ehicles of category M2 and M3
Ed 6.00 A4 20p EN	

Ed 6.00	A4 20p EN	Gr 0
	PDF 20p EN	43.080.20

This specification covers the requirements for motor vehicle models of category M2 and M3, and minibuses, not previously registered or licensed in South Africa, designed or adapted for operation on a public road. NOTE: Except where stated otherwise, a semi-trailer bus should comply with all the requirements of this specification, and, in addition, with any compulsory requirements for the category O or N portions of the combination not covered by this specification. The requirements of this specification shall, in so far as the parts already incorporated are concerned, apply in respect of an incomplete motor vehicle model supplied for further manufacture by one manufacturer to another, and the entire specification shall apply to the vehicle after completion thereof by the last-mentioned manufacturer. This specification does not apply to experimental or prototype vehicles constructed or imported by the original manufacturers or importers for the purpose of testing, assessment or development. The relevant requirements of this specification that take effect on any specified date, shall not apply to vehicles manufactured or imported before that date.

NUMERICAL LIST OF STANDARDS

Gr 3

VC 8024:2010 Compulsory specification for motor vehicles of category N1

Ed 7.00 A4 17p EN PDF 17p EN

43.080.01

Gr 0

This specification covers the requirements for motor vehicle models of category N1, not previously registered or licensed in South Africa, and motor vehicle models assembled from new bodies and used parts from earlier designs of motor vehicle models, designed or adapted for operation on a public road. The requirements of this specification shall, in so far as the parts already incorporated are concerned, apply in respect of an incomplete motor vehicle model supplied for further manufacture by one manufacturer to another, and the entire specification shall apply to the vehicle after completion thereof by the last-mentioned manufacturer. In addition, the requirements shall apply to designs of bodies sold for the purposes of incorporating new or used parts of motor vehicle models previously homologated (or previously produced) by other manufacturers. This specification does not apply to a) experimental or prototype vehicles constructed or imported for the purpose of testing, assessment or development, b) a motor vehicle model that was manufactured before 1965, that was not previously registered or licensed in South Africa, and that is so certified by a motor club approved by the relevant Minister. The relevant requirements of this specification that take effect on any specified date, shall not apply to vehicles manufactured or imported before that date.

VC 8025:2010

Compulsory specification for motor vehicles of category N2 and N3

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Ed 6.00	A4 15p EN	Gr 0
	PDF 15p EN	43.080.10

This specification covers the requirements for motor vehicle models of category N2 and N3, not previously registered or licensed in South Africa, designed or adapted for operation on a public road. The requirements of this specification shall, in so far as the parts already incorporated are concerned, apply in respect of an incomplete motor vehicle model supplied for further manufacture by one manufacturer to another, and the entire specification shall apply to the vehicle after completion thereof by the last-mentioned manufacturer. This specification does not apply to experimental or to prototype vehicles constructed or imported by the original manufacturers or importers for the purpose of testing, assessment or development, or to a type "A" military vehicle, or to special purpose vehicles of the type covered by National Road Traffic Act, 1996 (Act 93 of 1996), or to agricultural tractors. The relevant requirements of this specification that take effect on any specified date, shall not apply to vehicles manufactured or imported before that date.

VC 9001:2012

Compulsory Specification for live aquacultured abalone (VC9001)		
Ed 1.00 A4 7p EN		Gr 0
PDF 7p EN		65.150

This Compulsory Specification applies to the harvesting, preparation, packing, conveyance and quality of live aqaucultured abalone. Wild harvested live abalone is excluded from the scope of this Compulsory Specification.

VC 8026:2010

	12010	
Category O1 and O2 vehicles (caravans and light trailers)		
Ed 5.00	A4 17p EN	Gr 0
	PDF 17p EN	43.100

This specification covers the requirements for vehicle models of categories O1 and O2 designed or adapted for operation on a public road at speeds greater than 40 kph, including new vehicle models and vehicle models that have not previously been registered or licensed in South Africa

VC 8027:2010

Compulsory specification for vehicles of category O3 and O4		
Ed 6.00	A4 15p EN	Gr 0
	PDF 15p EN	43.080.10

This specification covers the requirements for vehicles of category O3 and O4 designed or adapted for the conveyance of goods and for operation on a public road, including any category O3 and O4 vehicle not previously registered in South Africa. New vehicles of category O3 and O4 designed and constructed for the purpose of the carriage of passengers, as in a semi-trailer bus, are also subject to the relevant requirements for category M2 and M3 vehicles (buses)

VC 8028:1976

Firearms for civil use		
Ed 1.00 A4 31p EN		Gr 3
PDF 31p EN		95.020
Covers the proofing of fire-arms en fire-arms manufactured or imported	nploying propellent powder for their opera d for the exclusive use of the South Africa	tion. It does not apply to fire-arms operating on black powder only or n Armed Forces.
Am 1(National), 1977-12-01	Am 2(National), 1979-03-01	Am 3(National), 1981-01-01
Am 4(National), 1987-08-01		
VC 8029:2012		

Cord sets and cord extension sets		
Ed 4.00	A4 6p EN	Gr 0
	PDF 6p EN	29.060.20; 29.120.30

This compulsory specification covers the requirement for cord sets, interconnection cord sets, and cord extension sets that have a rated current not exceeding 16 A and a rated voltage not exceeding 250 V ac, and intended for household and similar general purpose equipment.

VC 8031:1987	
Ed 1.00. Ad 200 EN	
PDF 30p EN	67,120,30
Covers the requirements for the hygienic harvesting, preparation, processing a at sea or on shore, and the requirements for raw materials and the final produc examination are also described.	nd conveyance of shrimps, langoustines and crabs whether frozen t, including its packaging and storage. Methods of analysis and
VC 8032:2009	
Personal flotation aids	
Ed 2.00 A4 7p EN	Gr 0
PDF 7p EN	13.340.70; 47.080
Covers the requirements for personal flotation aids.	
VC 8033:2003	
Child restraints for use in motor vehicles	
Ed 3.00 A4 84p EN	Gr 3
PDF 84p EN	43.040.80; 97.190
ECE R44:1998, MOD	
Applies to child restraints that are suitable for installation in power-driven vehicle SABS 1429, Motor vehicle safety - Strength of seats and their anchorages, and devices in motor vehicles, and that are not intended for use with folding (tip-up)	les that have three or more wheels and meet the requirements of SABS 1430, Motor vehicle safety - Anchorages for restraining) seats or with side-facing seats.
VC 8034:1982	
Coal-burning stoves and heaters for use in a dwelling	
Ed 1.00 A4 25p EN	Gr 3
PDF 25p EN	27.060.10; 97.040.20; 97.100.30
Covers the performance requirements for coal-burning stoves and heaters for u emission. Includes tests for determining the smoke emission. Am 1(National), 1987-08-01	use in a dwelling and operating with the minimum of smoke
VC 9025-1097	
Farth leakage protection units	
Ed 1 00 A4 24n EN	Gr 3
PDF 24p EN	29.120.50
Covers earth leakage protection units (circuit-breakers) for use in domestic and source of alternating current supply operating at a frequency of 50 Hz, the neut the supply side, and subject to a maximum rated voltage of 500 V, maximum rated 30 mA and ambient temperature of -5 $\%$ to +40 $\%$. The units are intended t from line and neutral conductors to earth. Does not cover units intended for ser Am 1(National), 1990-06-22	d industrial or similar electrical installations and connected to a tral conductor of which is connected to the general mass of earth on ated current of 100 A, maximum rated earth leakage tripping current o reduce fire and electrocution hazards caused by current leaking rvice under extreme operating conditions.
VC 8036:2006	
Circuit-breakers	
Ed 3.00 A4 4p EN	Gr 0
PDF 4p EN	29.120.50
VC 8039:2010 Glow starters for fluorescent lamps	
Ed 2.00 A4 5p EN	Gr 0
PDF 5p EN	29.140.30
This compulsory specification covers the safety requirements for glow-starters conforming to the standard applicable in the Republic of South Africa i.e. 230 $\rm V$	for fluorescent lamps rated at a low voltage mains supply / +- 10% single phase a.c, or 400 V +- 10% three phase a.c.
VC 8041:2001	

Microbiological safety cabinets (Classes I, II and III)		
Ed 2.00	A4 42p EN	Gr 3
	PDF 42p EN	07.100.01; 13.100

Covers requirements for the construction, fittings, pre-installation and post-installation performance of class I and class II and class III microbiological safety cabinets intended to protect the operator and the environment from hazardous microbiological materials and organic toxins and non-corrosive volatile organic agents.

VC 8043 Incandes	:2005 scent lamps	
Ed 2.00	A4 2p EN PDF 2p EN	Gr 0
Covers re power rat E14, E27	equirements for the safety of electric incandescent lamps intended for don ting up to and including 1 500 W; any voltage rating above 50 V, a bulb of ' or E40.	nestic and similar general lighting purposes, and that have a any material, shape and finish, and a cap of type B15, B22,
VC 8048	:1996 (2002-04-12)	
	A4 in EN Deed in conjunction with SANS 1976 1	C* 0
EU 1.00	PDF 1p EN	43.040.20
Covers ir for use in	ncandescent lamps that are offered for sale as replacement parts for use i n motor cycles or in off-road vehicles such as agricultural or earth-moving	n motor vehicles of categories M, N or O. Does not cover lamps machines.
VC 8049 Replace	:1997 (2002-04-12) ment beadlights for motor vehicles	
	A4 1n EN Bead in conjunction with SANS 1376-2	Gr 0
Lu 1.00	PDF 1p EN	43.040.20
Covers h headlight earth-mo Am 1(Na	eadlights offered for sale as replacement parts for use in motor vehicles or s designed for specific vehicle models homologated after July 1987. Does ving machines. Headlights supplied as parts of new vehicles are covered tional), 2003-02-28	of categories M, N and O. Covers all universal headlights and s not cover headlights for off-road vehicles such as agricultural or by the compulsory specifications for new vehicles.
VC 8050	:1996 (2002-04-12)	
Replace	ment secondary lights for motor vehicles	
Ed 1.00	A4 1p EN Read in conjunction with SANS 1376-3	Gr 0
	PDF 1p EN	43.040.20
Covers s lights as Am 1(Na	econdary lights offered for sale as replacement parts for use in motor veh well as secondary lights designed for specific vehicle models homologate tional), 2003-02-28	icles of categories M, N and O. Covers all universal secondary d after July 1987.
VC 8051 Replace	:1995 (2002-04-12) ment safety glass for use in road vehicles	
Ed 1.00	A4 2p EN Read in conjunction with SANS 1191 PDF 2p EN	Gr 0 43.040.65
Covers s such as a Am 1(Na	afety glass that are offered for sale as replacement parts for use in road v agricultural machines or earth-moving machines. tional), 1995-12-01	ehicles. Does not cover safety glass for use in off-road vehicles
VC 8052	:2010	
Manually	v operated switches for appliances	
Ed 2.00	A4 6p EN	Gr 0
	PDF 6p EN	29.120.40
This com purpose a current n	pulsory specification covers the safety requirements for mechanical or ele appliances or equipment that are actuated by hand, foot or other human a ot exceeding 63 A ac.	ectronic swithces to control electrical household or other general lictivity, with a rated voltage not exceeding 440 V ac and a rated
VC 8053 Replace	:2010 ment brake lining assemblies for road vehicles	
Ed 3.00	A4 6p EN	Gr 3
24 0100	PDF 6p EN	43.020; 43.040.40
This spec trailers. If 2000 in th	cification covers the requirements for replacement brake lining assemblies t also applies to brake lining assemblies and drum brake lining assemblies he case of M, N and O category motor vehicles and on, or after 1 January	and drum brake linings for power driven vehicles and their s for use on motor vehicles manufactured on, or after 1 January 2013 in the case of L category motor vehicles.
VC 8054	:1999 tants and detergent-disinfectants	
Ed 1.00	A4 56p EN	Gr 3
	PDF 56p EN	11.080.20
Covers re	equirements for disinfectants and detergent-disinfectants intended for use	on inanimate surfaces.
VC 8055 Electrica	:2009 Il and electronic apparatus	
Ed 2 00	A4 9n FN	Gr 0
_0 2.00	PDF 9p EN	97.030
Covers s	afety requirements for electrical and electronic apparatus.	

Standards South Africa Catalogue 2013 NUM - 910

VC 8056:2001 Compulsory specification for pneumatic tyres for passenger cars and trailers	
Ed 2.00 A4 19p EN	Gr 3
PDF 19p EN	83,160,10
Covers new pneumatic tyres for private (passenger) cars and their trailers.	
VC 8057:2004 Agricultural tractors	
Ed 2.00 A4 13p EN	Gr 0
PDF 13p EN	43.080.99; 53.060
Covers the requirements for agricultural tractors that have a maximum design speeregistered in South Africa.	ed not exceeding 40 km/h, and that have not previously been
VC 8059:2001	
Compulsory specification for pneumatic tyres for commercial vehicles and the	heir trailers
Ed 2.00 A4 26p EN	Gr 3
PDF 20P EN	83.160.10
Covers new pneumatic tyres primarily designed for use by all road vehicles.	
VC 8062:1998	
Retro-reflective number plates for motor vehicles	
Ed 1.00 A4 3p EN	
	43.040.60
Covers the requirements for new retro-reflective number plates for motor vehicles.	
VC 8065:2002	
Ball type couplings and towing brackets for towing caravans and light trailer	S
Ed 1.00 A4 2p EN	Gr 0
PDF 2p EN	43.040.70
Covers requirements for ball type couplings and towing brackets for the towing of c exceeding 3 500 kg.	aravans and light trailers of gross vehicle mass (GVM) not
VC 8072:2011	
Compulsory specification for respiratory protective devices	
Ed 2.00 A4 7p EN	Gr 0
PDF 7p EN	11.040.10; 13.340.30
This Compulsory Specification applies to respiratory protective devices, hereafter r excluded from this Compulsory Specification: Body-worn escape type breathing ap designed and manufactured specially for the use by the armed forces or the mainter applications and surgical face masks as covered by the scope of SANS 1866.	eferred to as "RPD's". The following classes of RPD's are paratus as covered by the scope of SANS 1737, RPD's enance of law and order, RPD's intended for use in diving
VC 8075:2003 Compulsory specification for the safety of electric cables with extruded solid	dielectric insulation for fixed installations (300/500 V to
1 900/3 300 V)	
Ed 2.00 A4 2p EN	Gr 0
Covers single-core and multicore extruded solid dielectric insulated cables of rated V. for use in fixed installations.	operating voltage (Uo/U) in the range 300/500 V to 1 900/3 300
VC 8076-2002	
Compulsory specification for the safety of lighters	
Ed 1 00 A4 2n EN	Gr 0
PDF 2p EN	65 160· 97 180
Establishes requirements for lighters to ensure a reasonable degree of safety for the flame-producing products such as cigarette lighters, cigar lighters and pipe lighters products intended for igniting materials other than cigarettes, cigars and pipes.	ne normal use or misuse of such lighters. Is applicable to all b. Does not apply to matches or to other flame-producing
VC 8077:2003	
Satety of medium-voltage electric cables	
Ed 1.00 A4 2p EN PDF 2p EN	Gr 0 29.060.20

Covers the requirements for single-core and three-core paper-insulated and XLPE-insulated cables with rated voltages in the range 3,3/3,3 kV to 19/33kV, but excluding pressure-assisted cables.

VC 8078:2003 Compulsory specification for material for contour marking on motor vehicles	5
Ed 1.00 A4 1p EN	Gr 3
	43.040.20; 43.080.10
Covers requirements for retro-reflective marking material used for contour marking	is for heavy and long vehicles and their trailers.
VC 8079:2003 Compulsory specification for the control of gaming devices and related appa	aratus
Ed 1.00 A4 3p EN	Gr 0
Course the constructional and ensectional requirements for coming devices and re	35.240.99; 97.200.99
premises licensed for the purpose of conducting gambling activities as specified b	y Licensing Authorities (LA).
VC 8080:2005 Replacement elastomeric cups and seals for hydraulic brake actuating cyline	ders for use in motor vehicles using non-petroleum base
hydraulic brake fluid (service temperature 70 °C to 150 °C max)	
Ed 1.00 A4 2p EN PDE 2n EN	Gr 0
Specifica the requirements for supe and easily whether in lease form or example	43.020; 43.040.40 d in parta, approxima in hydraulia braka fluid far all mater vahialaa
This specification applies to moulded brake cups and seals, whether in house form of assemble for hydraulic brake and clutch fluid as published by Government Notice No. 128 (C from time to time).	im parts, operating in hydraulic brake huld for an motor venicles. Im base brake fluid as detailed in the Compulsory specification avernment Gazette No. 4562) of 17 January 1975 (as amended
VC 8087:2003	
Ed 1.00. A4 4n EN	Gr 3
PDF 4p EN	55.080; 83.140.01
Specifies requirements for carrier bags and flat bags that are made from thermopl domestically produced and imported, for use within the Republic of South Africa, a	astic materials. Covers plastic carrier bags and flat bags, both Ind covers the thickness and printing requirements of these bags.
VC 9002:2011	
Compulsory specification for personal protective equipment - Safety footwea	ar.
Ed 1.00 A4 4p EN PDF 4p EN	Gr 0
This compulsory specification covers the safety requirements for safety footwaar	13.340.30
VC 9085:2007 Compulsory specification for cement	
Ed 1.00 A4 5p EN	Gr 0
PDF 5p EN	91.100.10
This compulsory specification covers the requirements for the manufacturing, mar construction use, irrespective of whether distributed in bulk or bagged form.	king, properties and performance of cement, intended for
VC 9087:2009	
Compulsory specification for lamp controlgear	
Ed 1.00 A4 6p EN PDF 6p EN	Gr U 20 140 00
This specification covers the safety requirements for lamp controlgear, excluding g	glow starters for tubular fluorescent lamps.
VC 9088:2004	
Compulsory specification for small arms shooting ranges	
Ed 1.00 A4 22p EN PDF 22p EN	Gr 3
Covers general requirements for the planning, construction and installation of indo	or and outdoor shooting ranges.
Compulsory specification for non-pressure paraffin stoves and heaters	
Ed 1.00 A4 4p EN	Gr 0
PDF 4p EN	97.040.20; 97.100.40
This specification covers the performance, safety and homologation requirements intended primarily for domestic use.	for Non-pressure Paraffin Fuelled Cooking Stoves and Heaters

VC 9090:2009

Compulsory specification for swimming aids

	-		
Ed 1	.00	A4 5p EN	Gr 0
		PDF 5p EN	13.340.70
T 1-1-		- March 1	

This specification covers the safety requirements for Swimming Aids. It is applicable to devices intended to assist users with movement through the water whilst learning to swim, or whilst learning part of a swimming stroke. It does not apply to buoyancy aids, lifejackets or aquatic toys.

VC 9091:2010

Single-c	Single-capped fluorescent lamps							
Ed 1.00	A4 8p EN	Gr	0					
	PDF 8p EN	29	.140.30					

This compulsory specification covers the energy efficiency, safety, performance and interchangeability requirements of single-capped tubular fluorescent lamps and other discharge lamps with integrated means for controlling starting and stable operation (self-ballasted lamps), intended for general lighting purposes that have a rated wattage up to 60 W, a rated voltage of 100 to 250 V a.c. and 2G7, 2GX7, GR8, 2G10, G10q, GX10q, GY10g, 2G11, G23, GX23, G24, GX24 and GX32 Edison screw or bayonet lamps.

VC 9093:2012

The Introduction of the Compulsory Specification for Pressurised paraffin appliances

Ed 1.00	A4 5p EN PDF 5p EN	Gr 0 27.060.10; 97.040.20; 97.100

VC 9098:2011

Category	y L vehicles	
Ed 1.00	A4 9p EN	Gr 0
	PDF 9p EN	43.14

This specification covers the requirements for motor vehicle models of category L, not previously registered or licensed in South Africa, and motor vehicle models assembled from new frames or bodies and used parts from earlier designs of motor vehicle models, designed or adapted for operation on a public road.

VC 9092:2009

Preservative treatment of timber

Ed 1.00	A4 6p EN	Gr 3
	PDF 6p EN	71.100.50; 79.020

This compulsory specification covers the requirements for the preservative treatment of timber intended for use in a variety of applications under various hazard conditions, with the intention of protecting it from and preventing the spread of destructive factors or agents. The mandatory requirements fall within the scope of the relevant National Standard SANS 10005: The preservative treatment of timber.

US-ERGB:2012

US Emergency Response Guide Book

Ed 2.00

Ga:300

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by	
SABS 1		1947	1	1974-11-13	SABS 534:1974 SABS 535:1974 SABS 536:1974 SABS 928:1969 SABS 931:1969
SABS 01		1953	2	1993-05-12	SANS 1607:1994 (SABS 1607) SANS 60211:1966 (SABS IEC 60211) SANS 60521:1988 (SABS IEC 60521)
SABS SM 1	(SANS 5001)	1971	2	2012-10-26	SANS 5003:2012 (SABS SM 3)
SABS 02 Supplement 1		1954	1	1998-12-04	
SABS 02		1947	1	1998-12-04	
SABS SM 2	(SANS 5002)	1987	3	2012-10-26	SANS 5003:2012 (SABS SM 3)
SABS 03		1985	2	1999-09-03	SANS 10313:1999 (SABS 0313)
SABS 03 A		1976	3	1993-02-25	SABS 03:1985
SABS 3		1948	1	1981-11-04	
SABS SM 5	(SANS 5005)	1975	2	2007-11-02	
SABS 5		1948	1	1990-08-23	
SABS 6		1948	1	1981-11-04	
SABS 7		1948	1	1981-11-04	
SABS SM 7	(SANS 5007)	1975	2	2007-11-02	
SABS 07		1972	2	1999-11-26	
SABS SM 8	(SANS 5008)	1975	2	2007-11-02	
SABS 08		1954	2	1979-02-28	SANS 10140-1:1977 (SABS 0140-1) SANS 10140-2:1977 (SABS 0140-2)
SABS 8		1948	1	1981-11-04	
SABS 09		1966	2	1982-05-19	
SABS 9		1951	2	1964-01-01	
SABS 10		1948	1	1959-10-05	SABS 695:1959 SABS 696:1959 SABS 697:1959 SABS 698:1959 SABS 609:1959 SABS 700:1959 SABS 701:1959 SABS 702:1959 SABS 703:1959
SABS 010		1950	1	1967-12-31	
SABS SM 10	(SANS 5010)	1975	3	2011-03-18	
SABS 12		1971	4	1998-06-03	
SABS SM 12	(SANS 5012)	1987	3	2009-11-06	
SABS SM 13	(SANS 5013)	1975	2	2007-11-02	
SABS SM 14	(SANS 5014)	1987	3	2011-03-18	
SABS 014		1948	1	1969-08-06	

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by	
SABS 14		1948	1	1954-01-01	SABS 472:1954
					SABS 473:1954
					SABS 474:1954
					SABS 475:1954
					SABS 476:1954
					SABS 477:1954
					SABS 478:1954
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					SABS 489:1954
					SABS 490:1954
					SABS 488:1954
SABS 015		1949	1	1966-05-30	
SABS SM 15	(SANS 5015)	1975	2	2007-11-02	
SABS 16		1948	1	1954-01-01	SABS 472:1954
					SABS 473:1954
					SABS 474:1954
					SABS 475:1954
					SABS 476:1954
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					SABS 486:1954
					SABS 487:1954
					SABS 489:1954
					SABS 490:1954
					SABS 488:1954

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by	
SABS 016		1949	1	1980-05-28	SANS 5902:1978 (SABS SM 902)	
0,120,010		1010	•		SANS 5908:1979 (SABS SM 908)	
					SANS 5913:1980 (SABS SM 913)	
					SANS 5905:1978 (SABS SM 905)	
					SANS 5914:1980 (SABS SM 914)	
					SANS 5904:1979 (SABS SM 904)	
					SANS 5919:1980 (SABS SM 919)	
					SANS 5901:1978 (SABS SM 901)	
					SANS 5907:1978 (SABS SM 907)	
					SANS 5916:1980 (SABS SM 916)	
					SANS 5906:1978 (SABS SM 906)	
					SANS 5909:1979 (SABS SM 909)	
					SANS 5912:1979 (SABS SM 912)	
					SANS 5911:1979 (SABS SM 911)	
					SANS 5910:1979 (SABS SM 910)	
					SANS 5903:1978 (SABS SM 903)	
					SANS 5915:1980 (SABS SM 915)	
					SANS 5918:1980 (SABS SM 918)	
					SANS 5917:1980 (SABS SM 917)	
					SANS 5920:1980 (SABS SM 920)	
					SANS 5959:1980 (SABS SM 959)	
					SANS 5899:1978 (SABS SM 899)	
					SANS 5900:1978 (SABS SM 900)	
SABS SM 16	(SANS 5016)	1975	2	2009-11-06		
SABS 017	(SANS 10017)	1973	2	2007-07-06	SANS 2859-1:2004	
SABS SM 17	(SANS 5017)	1987	4	2009-09-23		
SABS 017-1		1950	1	1973-08-15	SANS 10017:1973 (SABS 017)	
SABS 17		1948	1	1954-01-01	SABS 472:1954	
					SABS 473:1954	
					SABS 474:1954	
					SABS 475:1954	
					SABS 476:1954	
					SABS 477:1954	
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					SABS 486:1954	
					SABS 48/:1954	
					SABS 489:1954	
					SABS 490:1954	
0400 014 /0		1077		0011 00 10	SAD 6081304	
SABS SM 18	(SANS 5018)	1975	3	2011-03-18		
SABS 018		1960	1	1975-03-05		

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by	
SABS 18		1948	1	1954-01-01	SABS 472:1954
					SABS 473:1954
					SABS 474:1954
					SABS 475:1954
					SABS 476:1954
					SABS 477:1954
					SABS 478:1954
					SABS 479.1954 SABS 480:1054
					SABS 481:1954
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					SABS 489:1954 SABS 400:1054
					SABS 480.1954
SABS SM 19	(SANS 5019)	1975	з	2011-03-18	0.100+00.100+
SABS 10	(0410 3013)	10/8	1	1954-01-01	SABS 472-1954
0,00 13		1040	1	1004 01 01	SABS 473:1954
					SABS 474:1954
					SABS 475:1954
					SABS 476:1954
					SABS 477:1954
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					SABS 479:1954 SABS 480:1054
					SABS 480.1954
					SABS 482:1954
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					SABS 485:1954
					SABS 486:1954
					SABS 487:1954
					SABS 489:1954
					SABS 488:1954
SABS SM 20		1975	2	1995-05-22	SANS 175:1993 (SABS ISO 1514)
SABS 020		1951	1	1976-08-18	
SARS SM 21		1075	י 2	1997-11-10	
		1047	-	1050 06 08	SANS 685-1050 (SARS 685)
SADS 21		1052	1	1959-00-00	SANG 000.1000 (CABC 000)
		1952	1	1907-04-01	
SABS SIM 22	(SANS 5022)	1975	2	2006-03-03	
SABS 23		1973	2	1999-05-14	
SABS SM 23		1975	2	1995-05-22	SANS 175:1993 (SABS ISO 1514)
SABS 023-1		1954	1	1967-04-01	
SABS 023-2		1953	1	1967-04-01	
SABS 023-3		1957	1	1967-04-01	
SABS 023-4		1962	1	1967-04-01	
SABS SM 24		1975	2	1995-05-22	SANS 175:1993 (SABS ISO 1514)
SABS 024		1952	1	1967-04-01	
SABS 025		1955	2	1967-04-01	
SABS SM 25		1975	2	1995-05-22	SANS 175:1993 (SABS ISO 1514)
SABS SM 26	(SANS 5026)	1975	2	2007-07-20	
SABS 026		1958	1	1967-04-01	
SABS 27		1948	1	1988-03-09	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
CADC 007		1050		1067.04.01	
SADS 027		1952	1	1907-04-01	SANS 175-1002 (SARS ISO 1514)
SADS SIVI 27		1975	2	1995-05-22	SANS 173.1353 (SADS 130 1314)
	(CANC 5020)	1951	ו ס	2006 08 11	
SADS SIVI 20	(SANS 5026)	1975	2	1007 11 10	
SADS SIVI 29		1975	2	1997-11-10	
SADS 029		1067	1	1967-04-01	
SADS 030		1900	1	1907-04-01	SANS 20-1078 (SARS 20)
		1940	ו ס	1976-11-07	SANS 23.1370 (SABS 23) SANS 175:1003 (SABS ISO 1514)
SADS SIVI 31		1975	2	1995-05-22	SANS 173.1993 (SADS 150 1514)
SADS 31		1950	1	1965-11-06	
		1050	1	1967 04 01	
		1950	י ס	1907-04-01	SANS 6259-1995 (SARS SM 1259)
5AD5 51VI 32		1975	2	1995-06-20	SANG 0239.1993 (SADS SIN 1239)
		1974	2 1	1999-10-29	
	(CANC 5022)	1955	1 0	2007 07 20	
	(SANS 5055)	1040	2	1096 11 05	
SADS 34		1940	1	1967 04 01	
	(2412 5024)	1950	1 0	2007 07 20	
SADS SIVI 34	(SANS 5034)	1975	2	2007-07-20	
SADS 33	(SANS 33)	2005	2.03	2009-03-22	
SADS USS		1960	1 0	1907-04-01	SANS 6290-1009 (SARS SM 1290)
		1975	2	1999-06-13	SANG 0200.1990 (SADG SINI 1200)
SADS 30		1940	1	1965-05-22	SANS 6250-1005 (SARS SM 1250)
SABS SIVI 30		1975	2	1995-06-26	SANG 0239.1993 (SADS SIN 1239)
		1900	1	1907-04-01	
SADS 37		1949	1	1976-03-24	
SADS 037		1952	1	1967-04-01	
		1075	ו ס	1005 02 12	SANS 3270-1984 (SARS ISO 3270)
SADS SIVI 30		1040	۲ ۲	1995-05-15	SANG 3270.1304 (SADS 100 3270)
SADS 39	(SANS 5020)	1949	י ס	2007-07-20	
	(SANS 5059)	1070	2 1	1998-07-30	
SABS 039	(SANS 5040)	1972	י ס	2007-07-20	
	(37113 3040)	1051	2	1978-03-08	
		1040	1	1976-05-24	
SABS SM 41		1945	י 2	1995-03-13	SANS 3270 1984 (SABS ISO 3270)
SABS 0/1		1052	2	1978-03-08	
SABS 42		1952	י 2	1995-02-06	
SABS SM /2		1075	2	1995-08-28	SANS 6259 1995 (SABS SM 1259)
SABS 042-5		1962	2	1986-06-05	
SABS 042-7		1964	1	1986-06-05	
SABS 042-8		1966	1	1986-06-05	
SABS 042-10		1964	2	1986-06-05	
SABS 042-11		1968	2	1986-06-05	
SABS 042-12		1968	2	1986-06-05	
SABS 042-15		1967	2	1986-06-05	
SABS 042-16		1967	- 2	1986-06-05	
SABS 042-20		1965	- 1	1986-06-05	
SABS 042-25		1967	1	1986-06-05	
SABS 042-30		1959	1	1986-06-05	
SABS 042-35		1964	1	1986-06-05	
SABS 042-40		1968	1	1986-06-05	
SABS 042-45A		1962	1	1986-06-05	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 042-62		1071	1	1986-06-05	
SABS 43		1949	1	1976-05-24	
SABS SM 43		1975	2	1995-08-28	SANS 6259 1995 (SABS SM 1259)
SABS 44		1948	1	1985-05-22	
SABS 044-2	(SANS	2004	י ג	2010-10-22	SANS 2553 1992 (SABS ISO 2553)
	10044-2)	2004	0	2010 10 22	0, 110 2000, 1002 (0, 100 2000)
SABS 044-3	(SANS 10044-3)	1983	2	2005-04-22	SANS 9956-3:1995 (SABS ISO 9956-3)
SABS 044-4	(SANS 10044-4)	1983	2	2005-09-09	SANS 9606-1:1994 (SABS ISO 9606-1)
SABS 044-5	(SANS 10044-5)	1983	2	2005-03-04	SANS 9606-1:1994 (SABS ISO 9606-1) SANS 9606-2:1994 (SABS ISO 9606-2) SANS 9956-3:1995 (SABS ISO 9956-3) SANS 9956-2:1995 (SABS ISO 9956-2) SANS 9956-4:1995 (SABS ISO 9956-4) SANS 9956-1:1995 (SABS ISO 9956-1)
SABS 044-6	(SANS 10044-6)	1972	1	1983-01-01	SANS 10044-5:1983 (SABS 044-5)
SABS 044-6	(SANS 10044-6)	1985	2	2005-01-21	SANS 9956-4:1995 (SABS ISO 9956-4)
SABS 044-7	(SANS 10044-7)	1976	1	1983-01-01	SANS 10044-5:1983 (SABS 044-5)
SABS 044-7	(SANS 10044-7)	1985	2	2005-01-21	SANS 9606-2:1994 (SABS ISO 9606-2)
SABS SM 45	(SANS 5045)	1975	2	2005-03-04	SANS 5044:2005 (SABS SM 44)
SABS 45		1948	1	1965-10-18	SANS 10091:1965 (SABS 091)
SABS 045		1974	3	1990-05-15	
SABS 46	(SANS 46)	1973	1	2004-07-23	SANS 1700-13-1:1996 (SABS 1700-13-1) SANS 1700-13-2:1996 (SABS 1700-13-2) SANS 1700-13-3:1996 (SABS 1700-13-3) SANS 1700-13-6:1996 (SABS 1700-13-6) SANS 1700-13-7:1996 (SABS 1700-13-7) SANS 1700-13-5:1996 (SABS 1700-13-5) SANS 1700-13-4:1996 (SABS 1700-13-4) SANS 1700-13-8:2003 SANS 1700-13-9:2003 SANS 1700-13-10:2003 SANS 1700-13-11:2003 SANS 1700-13-12:2003 SANS 1280:1980 (SABS 1280)
SABS SM 46		1975	2	1999-08-13	SANS 1280:1980 (SABS 1280)
SABS 046		1952	1	1985-11-06	
SABS SM 47		1975	2	1995-08-28	SANS 6259:1995 (SABS SM 1259)
SABS 047-1		1992	2	1995-06-05	SANS 10047:1995 (SABS 047)
SABS 047-2		1992	1	1995-06-05	SANS 10047:1995 (SABS 047)
SABS 047-3		1992	2	1995-06-05	SANS 10047:1995 (SABS 047)
SABS 047-4		1990	1	1995-06-05	
SABS 047-5		1990	2	1995-06-05	SANS 10047:1995 (SABS 047)
SABS 48	(SANS 48)	2008	2.02	2009-06-12	
SABS SM 48	(SANS 5048)	1975	2	2004-03-19	
SABS 048		1976	2	1985-02-27	
SABS 048-1		1973	1	1976-11-10	SABS 048:1976
SABS SM 49		1975	2	1997-11-10	
SABS 50		1978	2	1999-09-10	SABS ISO 4705:1983
SABS 050		1973	2	1986-11-05	
SABS SM 50	(SANS 5050)	1975	2	2007-06-01	SANS 2811-1:1997 (SABS ISO 2811-1)
SABS 051		1953	1	1973-05-26	SABS 051-2:1973 SABS 051-3:1971 SABS 051-1:1973

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 51	(SANS 5051)	1975	2	2007-07-20	
SABS 51	(1951	1	1963-01-01	SABS 50:1964
SABS 051-1		1973	2	1986-03-13	SANS 6160:1989 (SABS SM 1160) SABS 0142:1987
SABS 051-2		1973	2	2001-11-30	SANS 10142-1:2001 (SABS 0142-1)
SABS 051-3		1971	2	1994-05-09	SANS 10224:1990 (SABS 0224)
SABS 52		1971	3	1992-08-13	
SABS SM 52		1975	2	1997-11-24	
SABS 053	(SANS 10053)	2001	1.03	2008-06-27	SANS 3448:2008
SABS 53		1948	1	1967-12-31	
SABS SM 53		1975	2	1995-03-13	SANS 178:1983 (SABS ISO 1524)
SABS SM 54		1975	2	1999-08-13	SANS 6279:1998 (SABS SM 1279)
SABS 054		1972	2	1993-08-09	SANS 6892:1984 (SABS ISO 6892)
SABS 54		1948	1	1967-12-31	
SABS 055 A		1977	1	1995-03-27	
SABS 55		1948	1	1967-12-31	
SABS SM 55		1975	2	1999-08-13	SANS 6279:1998 (SABS SM 1279)
SABS SM 56		1975	2	1999-08-13	SANS 6279:1998 (SABS SM 1279)
SABS 056		1973	2	1993-08-09	SANS 42:1965 (SABS ISO/R 442) SANS 36:1976 (SABS ISO 83) SANS 148:1983 (SABS ISO 148)
SABS 56	(SANS 56)	2001	3.02	2003-05-23	SANS 60064:2003
SABS SM 57		1975	2	1999-08-13	SANS 6279:1998 (SABS SM 1279)
SABS 57		1949	1	1964-04-21	SABS 66:1964
SABS 057	(SANS 10057)	1975	2	2005-07-08	SANS 8496:2003 SANS 8495:2003 SANS 8494:2003 SANS 8493:2003 SANS 8492:2003 SANS 8491:2003 SANS 7801:2003 SANS 7799:2003
SABS 058		1977	2	1986-11-05	
SABS SM 58		1975	2	1999-08-13	SANS 6279:1998 (SABS SM 1279)
SABS SM 59		1975	2	1999-08-13	SANS 6279:1998 (SABS SM 1279)
SABS 59		1950	1	1960-02-01	SABS 553:1960
SABS 059		1959	1	1974-03-13	
SABS SM 60		1975	2	1999-08-13	SANS 6279:1998 (SABS SM 1279)
SABS 60		1949	1	1959-03-23	SABS 693:1959
SABS 060 SABS 061		1969 1979	2 2	1981-01-01 1994-01-10	SABS 075:1981 SANS 10061-2:1994 (SABS 061-2) SANS 10061-1:1994 (SABS 061-1)
SABS 61		1963	2	1982-03-03	SABS 135:1985
SABS SM 61		1975	2	1995-03-13	SANS 174:1992 (SABS ISO 1513)
SABS SM 62		1975	2	1995-03-13	SANS 174:1992 (SABS ISO 1513)
SABS 62		1971	1	1989-11-07	
SABS 063		1973	2	1986-11-05	
SABS SM 63	(SANS 5063)	1975	3	2011-03-18	
SABS 64	(0,	1949	1	1970-08-22	
SABS SM 64	(SANS 5064)	1975	3	2011-03-18	
SABS SM 65	(SANS 5065)	1987	3	2008-05-23	SANS 440:2008 (SABS 440)
SABS 065	(0,	1960	1	1996-05-13	
SABS 65		1949	1	1970-08-22	
SABS 66		1964	2	1983-11-09	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 66	(SANS 5066)	1975	2	2007-11-02	
SABS SM 67	(SANS 5067)	1975	2	2011-03-18	
SABS 067	,	1958	1	1967-12-31	
SABS 67		1949	1	1964-04-21	SABS 66:1964
SABS SM 68		1982	3	1997-06-02	SANS 494:1997 (SABS 494)
SABS 068		1972	1	1984-03-07	SANS 10196:1984 (SABS 0196)
					SANS 10191:1984 (SABS 0191)
					SABS 0194:1984
					SABS 0193:1984
					SABS 0192.1904 SABS 0197.1984
					SABS 0195:1984
SABS 68		1949	1	1964-04-21	SABS 66:1964
SABS SM 69		1975	2	1982-08-17	SABS SM 69:1982
SABS 69		1949	1	1964-04-21	SABS 66:1964
SABS 069		1972	1	1984-03-07	SANS 10196:1984 (SABS 0196)
					SANS 10191:1984 (SABS 0191)
					SABS 0194:1984
					SABS 0193:1984
					SABS 0192:1984
					SABS 0197:1984
SABS SM 69		1982	3	1997-06-02	SANS 494:1997 (SABS 494)
SABS 70		1949	1	1964-04-21	SABS 66:1964
SABS 071		1958	1	1974-03-13	
SABS 71		1949	1	1964-04-21	SABS 66:1964
SABS SM 72		1974	2	2001-06-08	SANS 2060:1994 (SABS ISO 2060)
SABS 072	(SANS 10072)	1993	2	2005-08-26	SANS 10206:2005 (SABS 0206)
SABS 72		1949	1	1970-03-31	
SABS SM 73		1988	3	2001-06-08	SANS 7211-5:1984 (SABS ISO 7211-5)
SABS 73		1949	1	1970-03-31	
SABS 073	(SANS 10073)	1974	2	2011-05-13	SANS 10400-K:2011
SABS 074		1961	1	1979-02-28	SANS 10140-1:1977 (SABS 0140-1) SANS 10140-3:1978 (SABS 0140-3)
SABS 74		1949	1	1970-03-31	
SABS SM 74		1974	2	2001-06-08	SANS 2061:1995 (SABS ISO 2061)
SABS SM 75		1974	2	2001-01-19	SANS 7211-4:1984 (SABS ISO 7211-4)
SABS 075		1981	3	2002-04-15	SANS 10304-1:2002 (SABS 0304-1)
SABS 75		1974	3	1999-10-29	
SABS SM 76		1974	2	2001-06-08	SANS /211-3:1984 (SABS ISO /211-3)
SABS 76		1949	1	1973-08-15	
SABS 076		1972	2	1981-03-04	SANS 10076-5:1983 (SABS 076-5)
					SANS 10076-2.1982 (SABS 076-2) SANS 10076-4:1984 (SABS 076-4)
					SANS 10076-7:1985 (SABS 076-7)
					SANS 10076-6:1983 (SABS 076-6)
					SANS 10076-3:1982 (SABS 076-3)
					SANS 10076-1:1981 (SABS 076-1)
SABS SM 77		1985	3	2001-06-08	SANS 2062:1995 (SABS ISO 2062)
SABS SM 77		1974	2	1985-02-27	
SABS 077		1961	1	1979-08-22	
SABS 078		1961	1	1979-08-22	
SABS 78		1956	2	1982-08-17	
SABS SM 78		1960	1	1975-03-05	SABS SM 77:1974

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 79		1956	2	1982-08-17	
SABS 80		1956	2	1982-08-17	
SABS 81		1961	2	1982-08-17	
SABS 081		1972	2	1986-11-05	
SABS 83		1949	1	2000-03-10	
SABS 084		1963	1	1983-03-02	SABS 061:1979
SABS 84		1949	1	2000-03-10	
SABS 85		1949	1	2000-03-10	
SABS 085	(SANS 10085)	2000	3	2004-11-05	SANS 10085-1:2003
SABS SM 86	(SANS 86)	2007	4.01	2008-08-01	SANS 7211-2:1984 (SABS ISO 7211-2)
SABS 86		1974	2	1988-03-09	
SABS 086		1974	2	1997-08-11	SANS 10086-1:1997 (SABS 086-1)
SABS SM 87	(SANS 87)	2007	4.01	2008-08-01	SANS 7211-2:1984 (SABS ISO 7211-2)
SABS 87		1949	1	1988-03-09	
SABS 087-5		1968	1	1975-03-05	
SABS SM 88	(SANS 88)	2007	4.01	2008-08-01	SANS 7211-2:1984 (SABS ISO 7211-2)
SABS 088	(SANS 10088)	1972	2	2004-11-19	
SABS 88		1974	2	1988-03-09	
SABS 89		1949	1	1988-03-09	
SABS SM 89		1973	2	2000-06-09	
SABS 90		1949	1	1950-03-10	VC 8042:1950
SABS SM 90		1973	2	1999-04-09	
SABS 91		1949	1	1964-04-21	SABS 66:1964
SABS SM 93	(SANS 1093)	2006	4.01	2008-08-01	SANS 13934-1:1999 (SABS ISO 13934-1)
SABS 093		1965	1	1976-03-09	SABS 1009:1974
SABS 93		1949	1	1971-01-01	
SABS 94		1949	1	1971-01-01	
SABS SM 94		1973	2	2002-03-08	SANS 13934-1:1999 (SABS ISO 13934-1)
SABS SM 95	(SANS 1095)	1973	2	2008-06-20	SANS 13934-2:2008
SABS 95		1950	1	1985-02-27	
SABS 095		1966	1	1980-05-28	
SABS 96		1953	2	1973-08-15	
SABS SM 96		1973	2	1981-08-19	SANS 960:1981 (SABS SM 960)
SABS 097	(SANS 10097)	1975	2	2004-07-02	SANS 10205:1986 (SABS 0205)
SABS 98		1961	3	1970-11-25	SANS 97:1970 (SABS 97)
SABS SM 98		1973	2	1981-08-19	SANS 960:1981 (SABS SM 960)
SABS 099		1974	2	2002-03-15	SANS 50286-1:1998 (SABS EN 286-1) SANS 50286-2:1992 (SABS EN 286-2) SANS 50286-3:1994 (SABS EN 286-3) SANS 50286-4:1994 (SABS EN 286-4)
SABS 100		1953	1	1981-03-13	VC 8001:1981
SABS 101		1953	2	1962-01-01	SABS 124:1962
SABS 102		1953	2	1962-01-01	SABS 125:1962
SABS 0102		1968	1	1987-11-11	SANS 10102-1:1987 (SABS 0102-1) SANS 10102-2:1987 (SABS 0102-2)
SABS SM 103		1973	2	2001-06-08	SANS 105-B01:1994 (SABS ISO 105-B01)
SABS 103		1953	2	1962-01-01	SABS 126:1962
SABS 104		1953	1	1962-01-01	SABS 127:1962
SABS SM 104		1973	2	1999-01-21	
SABS SM 105		1960	1	1975-03-05	SABS SM 445:1973
SABS 105		1953	2	1990-08-23	SABS 1462-1:1988
Withdrawn standard		lssue	Ed	Date withdrawn	Replaced by
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SABS 0105		1971	1	1988-11-14	SANS 10105-2:1988 (SABS 0105-2) SANS 10105-1:1988 (SABS 0105-1)
SABS SM 106		1960	1	1975-03-05	SABS SM 444:1973
SABS 106		1969	2	1988-11-14	SABS 1458:1988
SABS SM 107		1960	1	1975-03-05	SABS SM 443:1973
SABS 107		1953	2	1962-01-01	SABS 128:1962
SABS SM 108		1960	1	1975-03-05	SABS SM 442:1973
SABS 108		1953	2	1977-05-27	VC 8002:1977
SABS 109		1953	2	1962-01-01	SABS 129:1962
SABS SM 109		1960	1	1975-03-05	SABS SM 731:1986
SABS 0109		1969	1	1995-10-02	SANS 10109-1:1995 (SABS 0109-1) SANS 10109-2:1992 (SABS 0109-2)
SABS 0110		1970	1	1994-02-28	
SABS SM 110		1960	1	1975-03-05	SABS SM 731:1986
SABS 111		1953	2	1988-03-09	
SABS SM 111		1986	3	1999-01-08	SANS 105-X05:1994 (SABS ISO 105-X05)
SABS 0111		1980	2	1990-02-14	SANS 10111-1:1990 (SABS 0111-1)
SABS SM 112		1974	2	1998-05-04	
SABS 112		1953	2	1962-01-01	SABS 130:1962
SABS 113		1950	1	1990-08-23	SABS 1462-1:1988
SABS 0113		1972	1	1979-08-22	
SABS 114		1950	1	1990-08-23	SABS 1462-1:1988
SABS 0115	(SANS 10115)	1974	1	2003-08-15	SANS 10117:2003 (SABS 0117)
SABS 115		1950	1	1990-08-23	SABS 1462-1:1988
SABS SM 116		1960	1	1969-08-06	SANS 5580:1969 (SABS SM 580) SANS 5581:1978 (SABS SM 581) SANS 5582:1978 (SABS SM 582)
SABS 0116	(SANS 10116)	1974	1	2003-08-15	SANS 10117:2003 (SABS 0117)
SABS 117		1953	2	1962-01-01	SABS 131:1962
SABS 118		1950	1	1996-09-16	
SABS SM 118	(SANS 5118)	1985	3	2007-09-21	SANS 250:2003
SABS SM 119		1975	2	1997-11-10	
SABS 119		1950	1	1962-01-01	SABS 132:1962
SABS SM 120	(SANS 5120)	1978	3	2007-06-22	SANS 1247:2005
SABS 121		1950	1	1962-01-01	SABS 133:1962
SABS 0121	(SANS 10121)	1977	1	2010-07-23	SANS 15589-1:2009 SANS 15589-2:2009
SABS SM 121	(SANS 5121)	1979	3	2007-06-22	SANS 1247:2005
SABS SM 122		1975	2	1997-11-24	
SABS 0122	(SANS 10122)	1975	1	2007-05-18	
SABS 123		1953	2	1990-08-23	SABS 1464-1:1988
SABS SM 124	(SANS 5124)	1975	2	2004-03-19	
SABS 124		1962	1	1965-10-22	VC 8003:1965
SABS 125		1962	1	1965-10-22	VC 8004:1965
SABS 126		1962	1	1965-10-22	VC 8005:1965
SABS 0126		1975	1	2000-11-24	
SABS 0127	(SANS 10127)	1976	1	2003-11-07	
SABS 127		1962	1	1983-04-22	VC 8006:1983
SABS 128		1962	1	1965-10-22	VC 8007:1965
SABS 0128	(SANS 10128)	1976	1	2003-10-03	SANS 10136:2003 (SABS 0136)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 128	(SANS 5128)	1975	2	2004-03-19	
SABS 129	()	1962	1	1965-10-22	VC 8008:1965
SABS SM 129		1975	2	1997-11-24	
SABS SM 130		1975	2	1997-11-10	
SABS 0130	(SANS 10130)	1976	1	2005-09-23	
SABS 130		1962	1	1965-10-22	VC 8009:1965
SABS SM 131		1975	2	1997-11-10	
SABS 131		1962	1	1965-10-22	VC 8010:1965
SABS 0131-1	(SANS 10131-1)	1977	1	2004-05-07	SANS 10131:2004
SABS 0131-2	(SANS 10131-2)	1979	1	2004-05-07	SANS 10131:2004
SABS 0131-3		1982	1	2001-02-23	SANS 10089-3:1999 (SABS 089-3)
SABS 132		1962	1	1980-02-08	VC 8011:1980
SABS SM 132	(SANS 5132)	1975	2	2004-03-19	
SABS SM 133	(SANS 5133)	1975	2	2004-03-19	
SABS 133		1962	1	1978-06-30	VC 8012:1978
SABS 134		1965	1	1990-08-23	SABS 1462-1:1988
SABS SM 134		1984	3	1996-04-01	SANS 2813:1994 (SABS ISO 2813)
SABS SM 135		1984	3	1996-04-01	SANS 2813:1994 (SABS ISO 2813)
SABS 135		1991	3	1999-01-21	SANS 1700-7-3:1996 (SABS 1700-7-3) SANS 1700-14-3:1996 (SABS 1700-14-3) SANS 1700-14-4:1996 (SABS 1700-14-4) SANS 1700-7-5:1996 (SABS 1700-7-5)
SABS 0135-1	(SANS 10135-1)	1977	1	2007-08-24	SANS 18283:2007
SABS 0135-2	(SANS 10135-2)	2002	1.01	2007-08-24	SANS 18283:2007
SABS 136		1991	3	1999-01-21	SANS 1700-7-2:1996 (SABS 1700-7-2) SANS 1700-7-3:1996 (SABS 1700-7-3) SANS 1700-14-1:1996 (SABS 1700-14-1) SANS 1700-14-2:1996 (SABS 1700-14-2) SANS 1700-14-3:1996 (SABS 1700-14-3) SANS 1700-14-4:1996 (SABS 1700-14-4) SANS 1700-7-5:1996 (SABS 1700-7-5) SANS 1700-7-4:1996 (SABS 1700-7-4) SANS 1700-7-1:1996 (SABS 1700-7-1)
SABS SM 138	(SANS 5138)	1975	2	2007-07-20	
SABS 0138		1977	1	2002-04-19	SANS 8490:1986 (SABS ISO 8490)
SABS 139		1971	1	1984-03-07	SANS 1387-2:1983 (SABS 1387-2) SANS 1387-1:1983 (SABS 1387-1)
SABS SM 139		1975	2	1995-03-13	SANS 2808:1991 (SABS ISO 2808)
SABS SM 140		1975	2	1995-03-13	SANS 2808:1991 (SABS ISO 2808)
SABS 140		1971	1	1984-03-07	SANS 1387-1:1983 (SABS 1387-1) SANS 1387-3:1983 (SABS 1387-3)
SABS SM 141		1988	3	1995-03-13	SANS 2808:1991 (SABS ISO 2808)
SABS 0142		1993	4	2001-11-01	SANS 10142-1:2001 (SABS 0142-1)
SABS SM 143		1975	2	1997-11-24	
SABS 144		1974	1	1992-08-13	SANS 1551-1:1992 (SABS 1551-1) SANS 1551-2:1992 (SABS 1551-2)
SABS SM 144		1975	2	1995-08-28	SANS 6258:1995 (SABS SM 1258)
SABS 145	(SANS 145)	1971	1	2003-10-17	SANS 50440:1994 (SABS EN 440)
SABS SM 145		1975	2	1995-03-13	SANS 177:1973 (SABS ISO 1519)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 146	(SANS 146)	2004	2.05	2007-02-09	SANS 12402-1:2007 SANS 12402-2:2007 SANS 12402-3:2007 SANS 12402-4:2007 SANS 12402-5:2007 SANS 12402-6:2007 SANS 12402-7:2007 SANS 12402-8:2007 SANS 12402-9:2007
SABS 147		1971	1	1984-03-07	SANS 12402-10:2007 SANS 1401-2:1983 (SABS 1401-2) SANS 1401-1:1983 (SABS 1401-1)
SABS SM 147	(SANS 5147)	1975	2	2007-06-29	SANS 279:2004
SABS 148	,	1971	1	1983-06-08	
SABS SM 149	(SANS 5149)	1975	2	2007-08-17	
SABS 0150	,	1983	1	1986-11-05	
SABS 150		1970	3	1993-11-08	SANS 1574:1992 (SABS 1574) SANS 1507:1990 (SABS 1507)
SABS SM 150		1975	2	1997-11-10	
SABS SM 151	(SANS 165)	1975	2	2007-07-20	
SABS 0152	(SANS 10152)	1979	1	2009-08-21	
SABS SM 152		1975	2	1995-08-28	SANS 5153:1994 (SABS SM 153)
SABS 152	(SANS 152)	1977	2	2003-04-14	SANS 60947-3:2003 (SABS IEC 60947-3)
SABS 0153-1	(SANS 10153-1)	1979	1	2006-05-26	SANS 10153:2006
SABS 0153-2	(SANS 10153-2)	1979	1	2006-05-26	SANS 10153:2006
SABS 0153-3	(SANS 10153-3)	1979	1	2006-05-26	SANS 10153:2006
SABS SM 154	(SANS 5154)	1975	2	2007-06-01	SANS 3668:1998 (SABS ISO 3668)
SABS 0154		1983	2	1996-07-15	SANS 10154-1:1996 (SABS 0154-1) SANS 10154-2:1996 (SABS 0154-2)
SABS SM 155	(SANS 166)	1975	2	2007-06-29	SANS 7253:1996 (SABS ISO 7253)
SABS 155		1951	1	1963-10-14	SANS 156:1963 (SABS 156)
SABS SM 156	(SANS 5156)	1975	2	2006-03-03	
SABS 0157		1979	1	1987-08-19	SABS 0157-3:1987 SABS 0157-2:1987 SABS 0157-1:1987 SABS 0157-0:1987 SABS 0157-4:1987
SABS SM 157	(SANS 5157)	1975	2	2007-08-17	
SABS 157	(SANS 157)	2000	3.01	2007-08-03	
SABS 0157-0		1987	2	1991-11-15	SANS 9000:1987 (SABS ISO 9000)
SABS 0157-1		1987	2	1991-11-15	SANS 9001:1987 (SABS ISO 9001)
SABS 0157-2		1987	2	1991-11-15	SABS ISO 9002:1987
SABS 0157-3		1987	2	1991-11-15	SABS ISO 9003:1987
SABS 0157-4		1987	2	1991-11-15	SANS 9004:1987 (SABS ISO 9004)
SABS SM 158	(SANS 5158)	1986	2	2004-09-10	SANS 105-X16:2004
SABS 0158	(SANS 10158)	1987	2	2006-02-24	SANS 9000:2005 (SABS ISO 9000)
SABS SM 159	(SANS 5159)	1975	2	2007-06-01	SANS 2409:1992 (SABS ISO 2409)
SABS 0159	(SANS 10159)	1990	2	1990-11-21	SANS 10259:1990 (SABS 0259)
SABS 0159	(SANS 10159)	1982	1	2008-12-05	SANS 10378:2005 SANS 17025:2005 (SABS ISO/IEC 17025)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 0160	(SANS 10160)	1989	2	2010-07-23	SANS 10160-1:2010 SANS 10160-2:2010 SANS 10160-3:2010 SANS 10160-4:2010 SANS 10160-5:2010 SANS 10160-6:2010 SANS 10160-7:2010 SANS 10160-8:2010
SABS 161		1955	1	1995-07-10	
SABS SM 161		1975	2	1997-11-10	
SABS 162		1978	3	1986-08-13	SANS 1065-1:1985 (SABS 1065-1) SANS 1065-2:1986 (SABS 1065-2)
SABS 0162		1984	2	1993-02-25	SANS 10162-3:1984 (SABS 0162-3) SANS 10162-1:1993 (SABS 0162-1)
SABS SM 162		1975	2	1997-11-10	
SABS 0162-3	(SANS 10162-3)	1984	2	2004-05-21	
SABS SM 163		1975	2	1997-11-10	
SABS 163		1978	3	1999-07-22	SABS 1665:1996 SANS 1663:1996 (SABS 1663)
SABS 0163-1	(SANS 10163-1)	1980	1	1994-02-07	SANS 10163-2:1994 (SABS 0163-2)
SABS SM 164	(SANS 5164)	1975	2	2007-07-20	
SABS SM 165	(SANS 5165)	1975	2	2007-07-20	
SABS 165		1996	2	2000-05-25	SANS 61184:1997 (SABS IEC 61184) SANS 60238:1998 (SABS IEC 60238)
SABS SM 166	(SANS 5166)	1978	3	2007-08-17	
SABS 166		1959	1	1978-11-07	
SABS 167		1961	2	1997-03-10	SABS 1662:1996
SABS SM 168 SABS 168	(SANS 5168)	1975 1978	2	2006-08-11 1994-07-11	SANS 1576:1993 (SABS 1576) SANS 1520-2:1990 (SABS 1520-2) SANS 1520-1:1990 (SABS 1520-1) SANS 1574:1992 (SABS 1574)
SABS 169		1953	1	1978-01-01	SABS 168:1978
SABS SM 169		1975	2	1997-11-24	
SABS SM 170 SABS 170	(SANS 5170) (SANS 170)	1975 1977	2	2007-07-20 2007-06-01	SANS 12402-1:2007 SANS 12402-2:2007 SANS 12402-3:2007 SANS 12402-4:2007 SANS 12402-5:2007 SANS 12402-6:2007 SANS 12402-7:2007 SANS 12402-8:2007 SANS 12402-9:2007
SABS SM 1/1		19/5	2	1997-11-24 2000-09 25	SANS 61643-1-1998 (SARS IEC 61643-1)
SABS 0171	(SANS	1986	∠ 1.01	2000-06-25	SANS 20084:2004
SABS 0172	(SANS 10172)	1980	1	2009-08-21	
SABS SM 172	(SANS 5172)	1975	2	2004-03-19	
SABS 172	(SANS 172)	1994	3	2003-10-03	SANS 60269-2:1986 (SABS IEC 60269-2) SANS 60269-1:1998 (SABS IEC 60269-1)
SABS SM 173	(SANS 5173)	1975	2	2007-07-20	
SABS 173		1977	2	1994-11-28	SANS 172:1994 (SABS 172)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 0174		1980	1	1992-08-13	
SABS SM 174	(SANS 5174)	1975	2	2004-03-19	
SABS 174		1955	1	1985-08-14	
SABS 0175	(SANS 10175)	1980	1	2008-02-08	
SABS 175		1953	1	2001-06-08	SANS 1411-2:1987 (SABS 1411-2)
SABS 176		1953	1	1995-07-10	
SABS SM 177		1971	1	1999-04-09	
SABS 177-1		1997	4	2000-07-21	SANS 60471:1977 (SABS IEC 60471) SANS 60383-1:1993 (SABS IEC 60383-1) SANS 60120:1984 (SABS IEC 60120) SANS 60372:1984 (SABS IEC 60372) SANS 60305:1995 (SABS IEC 60305)
SABS 177-2		1997	4	2000-07-21	SANS 60383-1:1993 (SABS IEC 60383-1)
SABS 177-3		1997	4	2000-07-21	SANS 60383-1:1993 (SABS IEC 60383-1) SANS 60720:1981 (SABS IEC 60720)
SABS 0178	(SANS 10178)	1981	1	2008-02-08	
SABS 178		1970	1	2000-07-21	SANS 61284:1997 (SABS IEC 61284)
SABS SM 179		1975	2	1995-08-28	SANS 7724-1:1984 (SABS ISO 7724-1) SANS 7724-3:1984 (SABS ISO 7724-3) SANS 7724-2:1984 (SABS ISO 7724-2)
SABS 0179		1981	1	1990-07-18	VC 8040:1990
SABS SM 180		1975	2	1995-08-28	SANS 7724-1:1984 (SABS ISO 7724-1) SANS 7724-3:1984 (SABS ISO 7724-3) SANS 7724-2:1984 (SABS ISO 7724-2)
SABS 0180		1984	1	2001-01-26	
SABS SM 181	(SANS 5181)	1975	2	2006-08-11	
SABS SM 182	(SANS 167)	1975	2	2007-08-17	
SABS 182		1968	1	1992-05-19	SANS 182-2:1973 (SABS 182-2) SANS 182-3:1975 (SABS 182-3) SANS 182-4:1979 (SABS 182-4) SANS 182-5:1979 (SABS 182-5) SANS 182-1:1973 (SABS 182-1) SANS 767-2:1983 (SABS 767-2) SANS 767-1:1982 (SABS 767-1)
SABS SM 183	(SANS 168)	1967	1	2007-07-20	
SABS 184		1960	1	1993-02-25	
SABS 0185-1	(SANS 10185-1)	1982	1	2006-06-23	SANS 11137:2006
SABS 0187	(SANS 10187)	1983	1	2006-09-01	SANS 10187-1:2006 SANS 10187-2:2006 SANS 10187-3:2006 SANS 10187-4:2006 SANS 10187-5:2006 SANS 10187-6:2006 SANS 10187-7:2006 SANS 10187-8:2006 SANS 10187-9:2006
SABS 188		1972	1	2000-02-18	
SABS 0189	(SANS 10189)	1983	1	2006-09-22	SANS 10231:2006 (SABS 0231)
SABS 190		1972	1	1983-06-08	SANS 190-1:1983 (SABS 190-1)
SABS 0190		1985	2	1994-04-25	SANS 10259:1990 (SABS 0259)
SABS SM 191		1975	2	1997-11-10	
SABS 192		1974	1	1992-08-13	SANS 1551-1:1992 (SABS 1551-1) SANS 1551-2:1992 (SABS 1551-2)
SABS SM 192	(SANS 5192)	1975	2	2006-03-03	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 0192		1984	1	2000-07-21	SANS 3741:1999 (SABS ISO 3741)
SABS SM 193	(SANS 5193)	1975	2	2008-06-13	SANS 3251:2007 (SABS ISO 3251)
SABS 0193	(,	1984	1	2000-07-07	SANS 3741:1999 (SABS ISO 3741)
SABS 0194		1984	1	1995-08-14	SANS 3743-1:1994 (SABS ISO 3743-1) SANS 3743-2:1994 (SABS ISO 3743-2)
SABS SM 194	(SANS 5194)	1975	2	2004-05-28	
SABS 194		1971	1	1992-05-19	SANS 1505-1:1998 (SABS 1505-1) SANS 1505-2:1998 (SABS 1505-2) SANS 1505-3:1998 (SABS 1505-3)
SABS SM 195	(SANS 5195)	1975	2	2004-03-19	
SABS 0195		1984	1	1995-01-30	SANS 3744:1994 (SABS ISO 3744)
SABS 195-1		1972	1	1992-11-11	
SABS 195-2		1973	1	1992-11-11	
SABS SM 196	(SANS 5196)	1975	2	2004-03-19	
SABS 0197		1984	1	1996-09-09	SANS 3746:1995 (SABS ISO 3746)
SABS 197		1971	1	2001-12-18	SANS 3310-1:2000 (SABS ISO 3310-1) SANS 3310-2:1999 (SABS ISO 3310-2)
SABS SM 198	(SANS 5198)	1984	2	2005-04-08	SANS 7887:2005
SABS SM 199	(SANS 5199)	1981	2	2006-09-15	SANS 7875-1:2006
SABS SM 200	(SANS 5200)	1981	2	2005-03-18	SANS 376:2005
SABS 0201		1985	1	1999-06-25	
SABS 201		1950	1	1967-12-31	
SABS 202		1977	2	1988-08-29	
SABS 0202	(SANS 10202)	1985	1	2009-06-05	0.000 074 0005
SABS SM 202	(SANS 5202)	1983	3	2005-04-01	SANS 374:2005
SABS 0203-1		1985	1	1999-11-26	NO 0040 4075
SABS 203		1949	1	19/5-01-1/	VC 8013:1975
SABS 0203-2		1989	1	1999-11-26	CANC C700 1-0005
SABS SM 204	(SANS 5204)	1981	2	2005-04-08	SANS 6703-1:2005
SABS 204 SABS SM 205	(SANS 5205)	1950 1990	1 3	2006-01-20	SANS 559:1955 (SABS 559) SANS 10359-1:2002 SANS 10359-2:2005
SABS 205		1951	1	1976-11-10	
SABS 206		1961	1	1972-08-17	
SABS SM 206	(SANS 5206)	1971	1	2005-11-21	SANS 11083:2005
SABS 207		1949	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 0207	(SANS 10207)	1985	1	2009-06-26	SANS 26825:2009
SABS 208		1949	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 209		1949	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 210		1949	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS SM 211	(SANS 5211)	1992	3	2006-02-16	SANS 6439:2006
SABS 211		1949	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 212		1949	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS SM 212		1971	1	2000-05-25	SANS 6310:2000 (SABS SM 1310)
SABS 213		1949	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 214		1949	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 0214	(SANS 10214)	1987	1	2003-10-17	SANS 14713:1999 (SABS ISO 14713)
SABS SM 215	(SANS 5215)	1971	1	2005-12-02	SANS 450:2005 SANS 453:2005
SABS 215		1949	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 0215		1987	1	1994-10-03	
SABS 216		1949	1	1997-11-24	SANS 1675:1997 (SABS 1675)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 216		1990	2	1995-10-02	SANS 6265-1995 (SABS SM 1265)
SABS 217		10/0	1	1997-11-24	SANS 1675-1997 (SABS 1675)
SABS 218		10/0	1	1997-11-24	SANS 1675:1007 (SABS 1675)
SABS 210		1078	3	1999-09-23	SANS 4706:1989 (SABS ISO 4706)
SADS 219	(SANS 10010	19/0	3	1999-09-23	SANG 4700.1909 (SABG 130 4700)
SABS 0219 SET	(SANS TOZTE SET)	1900	I		
SABS SM 219	(SANS 5219)	1971	1	2006-01-20	SANS 6777:1984 (SABS ISO 6777)
SABS 221		1953	1	1973-08-15	
SABS 222		1952	1	1978-11-07	
SABS 0223	(SANS 10223)	1989	1	2003-08-15	SANS 8201:1987 (SABS ISO 8201)
SABS 0224	(SANS 10224)	1990	1	2010-01-15	SANS 7396-1:2009 SANS 7396-2:2008
SABS 224		1983	4	1991-11-15	
SABS 225		1950	1	1976-11-10	
SABS SM 227	(SANS 5227)	1972	1	2007-10-05	
SABS 0227-1		1990	1	2000-01-20	SANS 10227:2000 (SABS 0227)
SABS 0227-2		1994	1	2000-01-20	SANS 10227:2000 (SABS 0227)
SABS 229		1950	1	1985-02-27	
SABS 0229	(SANS 10229)	1996	2	2005-09-23	SANS 10229-1:2005
SABS SM 229	(SANS 5229)	1972	1	2003-01-10	
SABS 230		1950	1	1955-01-01	SANS 525:1955 (SABS 525)
SABS 0230	(SANS 10230)	1997	2	2006-05-05	SANS 10231:2006 (SABS 0231)
SABS 231		1950	1	1955-01-01	SANS 525:1955 (SABS 525)
SABS 0232-2	(SANS 10232-2)	1997	1	2009-06-12	SANS 10405:2009
SABS 0232-3 Annex A		1997	1	2000-06-23	SANS 10232-3 ANNEX A:2000 (SABS 0232-3 ANNEX A)
SABS 0232-3 ANNEX A	(SANS 10232-3 ANNEX A)	2000	2	2007-09-28	US-ERGB:2008
SABS 233	,	1950	1	1955-01-01	SANS 525:1955 (SABS 525)
SABS 0234		1991	1	1999-11-19	SANS 8297:1994 (SABS ISO 8297)
SABS SM 234	(SANS 234)	2006	2.01	2008-08-01	SANS 13938-1:1999 (SABS ISO 13938-1)
SABS 234		1950	1	1955-01-01	SANS 525:1955 (SABS 525)
SABS SM 238		1973	2	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS SM 239		1974	2	1998-03-30	
SABS 239	(SANS 239)	1972	2	2003-01-10	
SABS SM 240		1974	2	1998-03-30	
SABS SM 241		1964	1	1999-04-09	
SABS 241	(SANS 241)	2006	6.01	2012-12-14	SANS 241-1:2011 SANS 241-2:2011
SABS SM 242	(SANS 5242)	1971	1	2008-11-21	
SABS SM 243		1971	1	1999-04-09	SANS 6281-2:1999 (SABS SM 1281-2)
SABS 243		1973	3	1991-11-15	
SABS SM 244	(SANS 5244)	1971	1	2008-11-21	
SABS 0244	. ,	1992	1	2000-08-04	
SABS 245	(SANS 245)	2000	2.02	2008-01-18	
SABS SM 245	,	1973	1	2000-06-23	
SABS 0246	(SANS 10246)	1993	1	2011-05-13	SANS 10400-S:2011
SABS SM 246	,	1964	1	1999-04-09	
SABS 246		1950	1	1970-08-22	SANS 238:1972 (SABS 238)
SABS 247		1951	1	1967-12-31	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 248	(SANS 5248)	1974	2	2007-02-09	SANS 4044:2007
SABS 249		1953	1	1967-12-31	
SABS 250		1971	2	1999-05-14	
SABS 0250-1	(SANS 10250-1)	1993	1	2007-02-09	SANS 10250:2006
SABS 0250-2	(SANS 10250-2)	1993	1	2006-06-02	SANS 10250:2006
SABS 0251	,	1993	1	1997-05-05	SANS 14001:1996 (SABS ISO 14001) SANS 14004:1996 (SABS ISO 14004)
SABS 252		1950	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS SM 253	(SANS 5253)	1964	1	2006-07-21	
SABS 253	,	1952	1	1986-11-05	
SABS 254		1950	1	1970-08-22	
SABS 255		1950	1	1979-06-06	SANS 13:1979 (SABS 13)
SABS 256	(SANS 256)	2004	2.01	2010-07-30	
SABS 0258	(SANS 10258)	1988	1	2007-06-01	SANS 10378:2005
SABS 0259	(SANS 10259)	1990	1	2006-02-24	SANS 17025:2005 (SABS ISO/IEC 17025)
SABS 259	,	1950	1	1971-01-01	
SABS 260		1950	1	1971-01-01	
SABS 261		1950	1	1971-01-01	
SABS 262		1950	1	1971-01-01	
SABS 0262-2	(SANS 10262-2)	1995	1	2006-09-08	
SABS 0263	(SANS 10263)	1997	1.01	2009-09-04	SANS 10263-0:2009
SABS 263		1950	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 264		1951	1	1967-12-31	
SABS 0265	(SANS 10265)	1999	1	2012-05-25	SANS 10234:2008 SANS 11014:2010
SABS 267		1971	2	1983-06-08	
SABS 268	(SANS 268)	1975	2	2010-03-26	
SABS SM 268		1984	3	1999-01-08	SANS 105-A02:1993 (SABS ISO 105-A02)
SABS 269	(SANS 269)	2008	2.02	2010-03-26	
SABS SM 269		1984	3	1999-01-08	SANS 105-A03:1993 (SABS ISO 105-A03)
SABS 270		1950	1	1970-08-22	
SABS SM 271		1974	2	1998-05-04	
SABS 271		1971	2	1986-03-13	
SABS 272		1950	1	1971-06-09	
SABS SM 273		1964	1	1973-05-26	
SABS 273		1950	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 274		1950	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 275		1950	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 276		1950	1	1971-01-01	
SABS 277		1950	1	1971-01-01	
SABS 278		1972	1	1986-03-13	
SABS SM 279		1975	2	1997-06-02	
SABS 279		1962	2	1971-01-01	
SABS SM 280		1975	2	1989-02-27	
SABS SM 281		1975	2	1989-02-27	
SABS 281	(SANS 281)	1972	- 1	2009-05-08	
SABS 282	(0, 110 201)	1951	1	1970-08-22	
SABS SM 282		1975	2	1989-02-27	
SABS 283		1951	- 1	1966-03-01	
0, 00 200		1001		1000 00 01	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 283		1975	2	1989-02-27	
SABS SM 284		1975	2	1989-02-27	
SABS SM 285	(SANS 5285)	1987	3	2008-05-23	SANS 440:2008 (SABS 440)
SABS SM 286	(SANS 5286)	1975	2	2007-11-02	
SABS 286		1969	2	1985-05-22	SANS 1223:1985 (SABS 1223)
SABS SM 287	(SANS 5287)	1975	2	2008-08-22	
SABS 287	(SANS 287)	1972	1	2007-09-28	SANS 1924:2007
SABS SM 288		1975	2	1997-06-02	
SABS SM 289	(SANS 5289)	1987	3	2008-08-22	
SABS 289		1951	1	1980-05-28	
SABS SM 290	(SANS 5290)	1975	2	2008-05-23	SANS 440:2008 (SABS 440)
SABS 290		1951	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS SM 291	(SANS 5291)	1987	3	2008-05-23	SANS 440:2008 (SABS 440)
SABS 291	. ,	1951	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS SM 292	(SANS 5292)	1987	3	2008-05-23	SANS 440:2008 (SABS 440)
SABS SM 293	. ,	1975	2	1997-06-02	
SABS 293		1953	1	1988-03-09	
SABS SM 294		1975	2	1989-02-27	
SABS 294		1974	2	1997-11-10	
SABS SM 295		1975	2	1989-02-27	
SABS SM 296	(SANS 5296)	1975	2	2008-08-22	
SABS SM 297		1975	2	1997-06-02	
SABS SM 298		1964	1	1975-03-05	SABS SM 453:1973
SABS 299	(SANS 299)	2002	3.02	2006-12-15	
SABS 300		1951	1	1986-08-13	
SABS 301		1951	1	1979-06-06	
SABS 0301	(SANS 10301)	1998	1	2004-04-23	SANS 50280:2004
SABS 302		1951	1	1979-06-06	
SABS 303		1951	1	1984-08-22	
SABS SM 303	(SANS 5303)	1977	2	2008-03-28	
SABS 0303	(SANS 10303)	1998	1	2005-07-22	SANS 50280:2004
SABS 0304	(SANS 10304)	1997	1	2003-02-21	SANS 10304-2:2002
SABS SM 304	(SANS 5304)	1975	2	2009-09-23	
SABS 305		1951	1	1970-03-31	
SABS SM 305		1975	2	1989-02-27	
SABS SM 306		1975	2	1989-02-27	
SABS 306		1951	1	1966-08-22	SANS 748:1966 (SABS 748) SANS 749:1966 (SABS 749)
SABS SM 307		1976	2	1989-05-12	
SABS 307	(SANS 307)	2005	3.07	2012-02-17	SANS 4001-BT1:2012
SABS 308	(SANS 308)	2009	2.02	2012-02-24	SANS 4001-BT2:2012
SABS SM 308		1976	2	1989-05-12	
SABS SM 309		1976	2	1989-05-12	
SABS 310		1951	1	1959-06-08	SANS 677:1959 (SABS 677)
SABS SM 310		1976	2	1989-05-12	
SABS 311		1972	3	1995-09-18	
SABS 312		1974	2	1995-03-06	
SABS 313		1972	1	1993-06-07	CKS 613:1988
SABS 0314-1	(SANS 10314-1)	2005	1.01	2008-10-03	SANS 16368:2007 SANS 18878:2007 SANS 18893:2007

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 314-1		1994	4	2002-02-11	SANS 60079-1:1990 (SABS IEC 60079-1)
SABS 314-2		1994	4	2002-02-11	SANS 60079-1:1990 (SABS IEC 60079-1)
SABS 0314-2	(SANS	2006	1.01	2008-10-03	SANS 16368:2007
	10314-2)				SANS 18878:2007 SANS 18893:2007
SABS 315		1978	2	1989-02-27	
SABS SM 317		1973	2	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS SM 318		1973	2	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS 318		1951	1	2000-03-10	
SABS 319		1977	3	1985-11-06	
SABS SM 319		1973	2	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS SM 320	(SANS 5320)	1981	3	2004-05-28	
SABS SM 321		1974	1	1990-05-15	
SABS 322		1972	2	1995-09-18	
SABS 323		1951	1	1988-03-09	
SABS 324		1953	1	1972-03-10	VC 8014:1972
SABS SM 324	(SANS 5324)	1972	2	2006-10-20	
SABS SM 325	(SANS 5325)	1972	2	2006-07-21	
SABS 325		1957	1	1985-11-06	
SABS 326		1953	1	1972-03-10	VC 8015:1972
SABS 327		1952	1	1961-08-01	SANS 638:1961 (SABS 638)
SABS 0327		2000	1	2000-10-11	SANS 10086-3:2001 (SABS 086-3)
SABS SM 327	(SANS 5327)	1978	2	2008-03-28	
SABS 328		1953	1	1961-08-01	SANS 638:1961 (SABS 638)
SABS SM 329	(SANS 5329)	1974	1	2006-05-05	
SABS 329		1952	1	1961-08-01	SANS 638:1961 (SABS 638)
SABS 330		1952	1	1961-08-01	SANS 638:1961 (SABS 638)
SABS SM 331		1974	2	1998-05-04	
SABS 331		1952	1	1961-08-01	SANS 638:1961 (SABS 638)
SABS 332		1952	1	1961-08-01	SANS 638:1961 (SABS 638)
SABS SM 332	(SANS 5332)	1977	3	2008-03-28	
SABS 0332	(SANS 10332)	1998	1	2007-08-17	
SABS 333		1952	1	1961-08-01	SANS 638:1961 (SABS 638)
SABS SM 333	(SANS 5333)	1970	2	2008-03-28	
SABS 0333-2	(SANS 10333-2)	2006	1.01	2011-04-20	
SABS 334		1952	1	1961-08-01	SANS 638:1961 (SABS 638)
SABS 335		1952	1	1988-03-09	
SABS SM 335	(SANS 5335)	1977	3	2008-03-28	
SABS SM 336		1977	2	1989-05-12	
SABS 336		1971	3	1984-03-07	SANS 1401-3:1983 (SABS 1401-3) SANS 1401-1:1983 (SABS 1401-1)
SABS SM 337		1976	2	1989-05-12	
SABS 337		1951	1	1985-05-22	
SABS SM 338		1976	2	1989-05-12	
SABS 338		1971	3	1984-03-07	SANS 1401-3:1983 (SABS 1401-3) SANS 1401-1:1983 (SABS 1401-1)
SABS SM 339		1977	2	1989-05-12	
SABS 339		1951	1	1964-06-22	SANS 753:1964 (SABS 753) SANS 754:1964 (SABS 754)
SABS SM 340		1977	2	1989-05-12	
SABS 340		1962	3	1970-06-03	SANS 281:1972 (SABS 281) SANS 978:1970 (SABS 978)
SABS SM 341		1977	2	1989-05-12	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SVBS SW 343		1077	 0	1080-05-12	
SADS SIM 342		1977	2	1989-05-12	
SABS SM 343		1977	2	1989-05-12	
SABS 344		1974	2	2001-07-27	SANS 1851:2000 (SABS 1851)
SABS SM 345		1974	2	1989-05-12	
SABS 0345	(SANS	2000	1	2006-04-07	
0/120 0040	10345)	2000	1	2000 01 07	
SABS 345		1968	3	1999-10-29	
SABS SM 346		1977	2	1989-05-12	
SABS 347		1952	1	1961-10-02	SABS 714:1961
SABS SM 347		1977	2	1989-05-12	
SABS SM 348		1977	2	1989-05-12	
SABS 348		1971	3	1983-06-08	
SABS SM 349		1977	2	1989-05-12	
SABS 349		1952	1	1956-08-01	SABS 512:1956
SABS SM 350		1977	2	1989-05-12	
SABS 350		1971	3	1984-03-07	SABS 1401-16:1983 SANS 1401-1:1983 (SABS 1401-1)
SABS SM 351		1977	2	1989-05-12	
SABS 351		1974	2	2001-07-27	SANS 1851:2000 (SABS 1851)
SABS SM 352		1977	2	1989-05-12	
SABS 352		1974	2	2001-07-27	SANS 1851:2000 (SABS 1851)
SABS SM 353		1977	2	1989-05-12	
SABS 353		1952	1	1970-08-22	SABS 990:1970
					SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS 354		1952	1	1970-08-22	SABS 990:1970
0.120 001			·		SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991)
					SANS 992:1970 (SABS 992)
SABS SM 354		1976	2	1989-05-12	
SABS SM 355		1975	2	1997-06-02	CARC 000-1070
SABS 355		1952	1	1970-08-22	SADS 990.1970 SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991)
					SANS 992:1970 (SABS 992)
SABS 356		1952	1	1970-08-22	SABS 990:1970
					SANS 989:1970 (SABS 989)
					SANS 991.1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 356		1976	2	1989-05-12	
SABS 357		1952	1	1970-08-22	SABS 990:1970
					SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991)
0400 014 057		1077	•	1000 05 10	SANS 992:1970 (SABS 992)
SABS SM 357		1977	2	1989-05-12	
SADS SIN 330		1977	2	1909-03-12	SARS 000-1070
SADS 556		1952	1	1970-00-22	SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991)
					SANS 992:1970 (SABS 992)
SABS 359		1952	1	1970-08-22	SABS 990:1970
					SANS 991-1970 (SABS 991)
					SANS 992:1970 (SABS 992)
SABS SM 359		1976	2	1989-05-12	. ,

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 360		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991)
SARS SM 260		1076	0	1080 05 12	SANS 992:1970 (SABS 992)
SABS SIM 360		1976	2	1969-05-12	SANS 53015-2010
SABS 0300	10360)	2006	1.01	2010-04-23	SANG 55013.2010
SABS SM 361		1977	2	1989-05-12	
SABS 361		1952	1	1970-08-22	SABS 990:1970
					SANS 989:1970 (SABS 989)
					SANS 991.1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 362		1977	2	1989-05-12	
SABS 362		1952	1	1970-08-22	SABS 990:1970
					SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991)
CARC CM 262		1077	2	1080-05-12	SANS 992:1970 (SABS 992)
SABS 363		1977	2	1970-08-22	SABS 990-1970
0400 000		1002	1	1070 00 22	SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991)
					SANS 992:1970 (SABS 992)
SABS SM 364		1977	2	1989-05-12	
SABS 364		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989)
					SANS 903.1970 (SABS 903) SANS 991:1970 (SABS 991)
					SANS 992:1970 (SABS 992)
SABS 365		1952	1	1970-08-22	SABS 990:1970
					SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 365		1976	2	1989-05-12	
SABS SM 366		1976	2	1989-05-12	
SABS 366		1952	1	1970-08-22	SABS 990:1970
					SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991)
SARS 267		1052	4	1070-08-22	SANS 992:1970 (SABS 992) SABS 990:1970
SADS 307		1952	I	1970-00-22	SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991)
					SANS 992:1970 (SABS 992)
SABS SM 367		1977	2	1989-05-12	
SABS SM 368		1973	2	1998-03-30	
SABS 368		1952	1	1970-08-22	SABS 990:1970
					SANS 909.1970 (SABS 909) SANS 991:1970 (SABS 991)
					SANS 992:1970 (SABS 992)
SABS 369		1952	1	1970-08-22	SABS 990:1970
					SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS 370		1952	1	1970-08-22	SABS 990:1970
					SANS 989:1970 (SABS 989)
					SANS 991:1970 (SABS 991)
				1000 05 10	SANS 992:1970 (SABS 992)
2482 2M 3/1		1977	2	1989-05-12	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 371		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS 372		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 372		1977	2	1989-05-12	
SABS 373		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 373		1977	2	1989-05-12	
SABS 374		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 374		1977	2	1989-05-12	
SABS 375		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 375		1977	2	1989-05-12	
SABS 376		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 376		1977	2	1989-05-12	
SABS 0376	(SANS 10376)	2002	1	2004-04-23	SANS 50280:2004
SABS 377		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 377		1977	2	1989-05-12	
SABS 378		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 378		1977	2	1989-05-12	
SABS SM 379		1977	2	1989-05-12	
SABS 379		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 380		1977	2	1989-05-12	
SABS 380		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 381		1977	2	1989-05-12	
SABS 381		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 382	(SANS 5382)	1993	5	2007-12-14	SANS 13937-3:2007

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 382		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 383		1977	2	1989-05-12	
SABS 383		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 384		1977	2	1989-05-12	
SABS 384		1952	1	1970-08-22	SABS 990:1970 SANS 989:1970 (SABS 989) SANS 991:1970 (SABS 991) SANS 992:1970 (SABS 992)
SABS SM 386	(SANS 5386)	1987	3	2009-11-06	
SABS 386	(SANS 386)	1952	1	2004-07-16	
SABS SM 387	(SANS 5387)	1975	2	2007-11-02	
SABS SM 388		1975	3	1997-06-02	
SABS SM 389		1975	3	1997-06-02	
SABS SM 390	(SANS 5390)	1975	3	2007-11-02	
SABS SM 391	(SANS 5391)	1975	3	2007-11-02	
SABS 391		1952	1	1973-08-26	
SABS SM 392	(SANS 5392)	1987	3	2008-05-23	SANS 440:2008 (SABS 440)
SABS SM 393	(SANS 5393)	1975	3	2007-11-02	
SABS 393		1952	1	1973-08-15	
SABS 394		1973	2	1987-06-03	
SABS SM 394	(SANS 5394)	1975	4	2007-11-02	
SABS SM 395		1975	3	1997-06-02	
SABS 395		1974	2	1988-03-09	
SABS SM 396	(SANS 5396)	1982	4	2007-11-02	
SABS 396		1972	2	1998-03-09	
SABS 397	(SANS 397)	2007	2.01	2008-11-21	SANS 50443:2008
SABS SM 397	(SANS 5397)	1975	3	2007-11-02	
SABS 398		1983	1	1984-06-08	VC 8016:1984
SABS SM 398		1975	3	1997-06-02	
SABS 399		1982	2	1989-02-27	
SABS SM 399		1975	3	1997-06-02	
SABS 400 A	(SANS 400 A)2000	3	2006-10-06	
SABS 400		1974	1	1984-11-07	SANS 400 A: 1984 (SABS 400 A)
SABS SM 400		1975	3	1997-06-02	
SABS 401 SABS 0401	(SANS 10401)	1955	1	2009-07-03	
SABS SM 401	/	1975	3	1997-06-02	
SABS SM 402	(SANS 5402)	1973	2	2008-05-30	SANS 2313:2008
SABS 402		1963	2	1972-03-06	
SABS SM 403		1973	2	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS 403		1972	2	1988-03-09	
SABS SM 404		1973	2	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS SM 405		1995	4	1999-01-08	SANS 105-B02:1994 (SABS ISO 105-B02)
SABS 406		1974	2	2001-07-27	SANS 1851:2000 (SABS 1851)
SABS SM 406	(SANS 5406)	1973	1	2004-04-23	SANS 105-E03:2004
SABS SM 407	(SANS 5407)	1973	1	2004-06-11	SANS 105-E06:2004
SABS 408		1952	1	1985-05-22	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 408	(SANS 5408)	1973	1	2004-06-11	SANS 105-E05:2004
SABS 409		1973	2	1991-11-15	
SABS SM 409	(SANS 5409)	1984	2	2004-06-11	SANS 105-E07:2004
SABS 410		1952	1	1988-03-09	
SABS SM 410	(SANS 410)	1993	3	2007-12-14	SANS 13937-4:2007
SABS 411		1952	1	1988-03-09	
SABS 412		1974	2	1988-03-09	
SABS 413		1972	1	1973-01-12	VC 8017:1973
SABS 414		1954	1	1972-11-15	
SABS 415		1971	3	1996-12-09	
SABS SM 416		1986	3	1999-01-08	SANS 105-D01:1993 (SABS ISO 105-D01)
SABS 418		1968	2	1970-11-25	SABS 457:1974
SABS 423		1972	3	1982-11-03	SANS 1363:1982 (SABS 1363)
SABS SM 423		1972	1	1989-02-27	
SABS 424	(SANS 424)	1966	2	2008-01-25	
SABS SM 424		1972	1	1989-02-27	
SABS SM 425		1972	1	1989-02-27	
SABS 425		1972	3	1982-11-03	SANS 1363:1982 (SABS 1363)
SABS 426	(SANS 426)	1966	2	2008-01-25	
SABS SM 426		1972	1	1989-02-27	
SABS SM 427		1972	1	1989-02-27	
SABS 427		1953	1	1973-08-15	
SABS SM 428		1972	1	1997-06-02	
SABS 428		1953	1	1973-08-15	
SABS SM 429		1972	1	1989-02-27	
SABS 429		1953	1	1973-08-15	
SABS SM 430		1972	1	1989-02-27	
SABS 430		1953	1	1973-08-15	
SABS SM 431		1972	1	1989-02-27	
SABS SM 432		1975	2	1997-06-02	
SABS SM 433		1974	1	1999-02-05	
SABS SM 434		1972	1	1989-02-27	
SABS SM 435		1972	1	1989-02-27	
SABS 435	(SANS 435)	1972	2	2004-11-12	SANS 1700-18-1:2003 (SABS 1700-18-1) SANS 1700-18-2:2004 SANS 1700-18-3:2004 SANS 1700-18-3:2004 SANS 1700-18-5:2004 SANS 1700-18-6:2004 SANS 1700-18-7:2004 SANS 1700-18-7:2004 SANS 1700-18-9:2004 SANS 1700-18-10:2004 SANS 1700-18-11:2004 SANS 1700-18-12:2004 SANS 1700-18-13:2004 SANS 1700-18-14:2004 SANS 1700-18-15:2004 SANS 1700-18-15:2004 SANS 1700-18-15:2004 SANS 1700-18-15:2004 SANS 1700-18-15:2004 SANS 1700-18-16:2004 SANS 1700-18-17:2004 SANS 1700-18-19:2004
SABS SM 436		1972	1	1989-02-27	
SABS 436	(SANS 436)	1972	2	2004-09-23	
SABS SM 437		1972	1	1989-02-27	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 437		1977	2	1985-11-06	
SABS SM 438		1972	1	1989-02-27	
SABS 438		1957	1	1976-05-24	
SABS 439		1968	2	1989-02-27	
SABS SM 439		1972	1	1997-06-02	
SABS SM 440		1972	1	1989-02-27	
SABS 441		1971	2	1987-06-03	
SABS SM 441		1972	1	1989-02-27	
SABS 442		1953	1	1988-03-09	
SABS SM 442		1992	5	1999-01-08	SANS 105-C01:1989 (SABS ISO 105-C01)
SABS SM 442		1973	2	1985-08-01	SABS SM 442:1985
SABS SM 443		1992	5	1999-01-08	SANS 105-C02:1989 (SABS ISO 105-C02)
SABS SM 443		1973	2	1985-08-01	SABS SM 443:1985
SABS SM 444		1992	5	1999-01-08	SANS 105-C03:1989 (SABS ISO 105-C03)
SABS 444		1953	1	1985-11-06	
SABS SM 444		1973	2	1985-08-01	SABS SM 444:1985
SABS SM 445		1973	2	1985-08-01	SABS SM 445:1985
SABS 445		1970	2	1985-11-06	
SABS SM 445		1992	5	1999-01-08	SANS 105-C04:1989 (SABS ISO 105-C04)
SABS SM 446	(SANS 5446)	1987	1	2008-08-22	
SABS SM 447	,	1973	2	1981-08-19	SANS 960:1981 (SABS SM 960)
SABS 447	(SANS 447)	1972	1	2004-08-06	SANS 1539:2003 (SABS 1539)
SABS 448	,	1953	1	1996-05-13	
SABS 450		1962	1	1986-11-05	
SABS 451		1953	1	1972-08-17	
SABS 452		1972	2	1996-05-13	
SABS 453		1954	1	1985-05-22	
SABS SM 453		1973	2	1985-08-01	SABS SM 453:1985
SABS SM 453		1992	5	1999-01-08	SANS 105-C05:1989 (SABS ISO 105-C05)
SABS SM 454		1973	2	2001-07-06	SANS 105-N01:1993 (SABS ISO 105-N01)
SABS SM 455		1993	5	1999-01-08	SANS 105-D01:1993 (SABS ISO 105-D01)
SABS SM 456	(SANS 5456)	1978	3	2008-03-28	
SABS 457	,	1982	4	1994-07-18	SANS 457-2:1994 (SABS 457-2)
					SANS 457-3:1994 (SABS 457-3)
					SABS 457-1:1994
SABS 457-1		1994	5	2001-01-19	SANS 457-2:2000 (SABS 457-2) SANS 457-3:2000 (SABS 457-3)
SABS 458		1960	2	1972-01-01	SANS 281:1972 (SABS 281) SANS 978:1970 (SABS 978)
SABS 461		1954	1	1985-05-22	SANS 460:1985 (SABS 460)
SABS 462		1954	1	1975-11-12	SANS 460:1975 (SABS 460)
SABS 463		1954	1	1975-11-12	SANS 460:1975 (SABS 460)
SABS SM 463	(SANS 5463)	1977	3	2008-03-28	
SABS 464		1954	1	1975-11-12	SANS 460:1975 (SABS 460)
SABS 465		1954	1	1975-11-12	SANS 460:1975 (SABS 460)
SABS SM 465		1984	2	2002-07-05	
SABS 466		1954	1	1975-11-12	SANS 460:1975 (SABS 460)
SABS SM 466	(SANS 5466)	2006	4.01	2008-10-03	SANS 105-X12:2006 (SABS ISO 105-X12)
SABS SM 467	,	1966	1	1975-03-05	SANS 5100:1973 (SABS SM 100)
SABS 467		1954	1	1975-11-12	SANS 460:1975 (SABS 460)
SABS 468		1973	1	1984-03-07	SANS 1401-4:1983 (SABS 1401-4) SANS 1401-1:1983 (SABS 1401-1)
SABS SM 470	(SANS 5470)	1966	1	2006-05-05	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by	
SABS 471		1971	2	1998-07-03	SANS 50196-1:1994 (SABS EN 196-1) SANS 50196-2:1994 (SABS EN 196-2) SANS 50196-4:1993 (SABS ENV 196-4) SANS 50196-5:1994 (SABS EN 196-5) SANS 50196-6:1989 (SABS EN 196-6) SANS 50196-7:1989 (SABS EN 196-7) SANS 50196-21:1989 (SABS EN 196-21) SANS 50413-1:1994 (SABS ENV 413-1)	
					SANS 50413-2:1994 (SABS EN 413-2) SABS ENV 197-2:1995 SABS ENV 197-1:1992	
					SANS 50196-3:1994 (SABS EN 196-3)	
SABS 472		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS 473		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS SM 473		1973	2	1999-01-08	SANS 105-E01:1994 (SABS ISO 105-E01)	
SABS 474		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS SM 474		1973	2	1999-01-08	SANS 105-E02:1994 (SABS ISO 105-E02)	
SABS 475		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS SM 475 (S	SANS 5475)	1975	3	2007-11-02		
SABS SM 476		1970	2	1997-06-02		
SABS 476		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS 477		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS SM 477 (S	SANS 5477)	1975	3	2007-11-02		
SABS 478		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS SM 478		1975	3	1997-06-02		
SABS SM 479		1972	1	1989-02-27		
SABS 479		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS SM 480		1973	1	1999-01-08	SANS 105-D02:1993 (SABS ISO 105-D02)	
SABS 480		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS 481		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS 482		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS SM 482		1973	2	1999-02-19	SANS 1833:1977 (SABS ISO 1833)	
SABS 483		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS 484		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS SM 485		1984	3	1996-04-01	SANS 2813:1994 (SABS ISO 2813)	
SABS 485		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS 486		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS SM 487 (S	SANS 5487)	1966	1	2003-01-10	SANS 554:1976 (SABS ISO 554)	
SABS 487		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS 488		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS 489		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS SM 489		1976	2	1997-06-02		
SABS SM 490 (S	SANS 5490)	1974	1	2007-11-02		
SABS 490		1954	1	1972-05-24	SANS 200:1972 (SABS 200)	
SABS SM 491		1976	1	1997-06-02		
SABS 492		1973	3	1982-08-17	SANS 492-2:1982 (SABS 492-2) SANS 492-1:1982 (SABS 492-1)	
SABS 494 (S	SANS 494)	1997	4	2008-06-06	SANS 494-1:2008	
SABS SM 494		1978	1	1997-07-21	SANS 60332-2:1989 (SABS IEC 60332-2) SANS 60332-1:1993 (SABS IEC 60332-1) SANS 60332-3:1992 (SABS IEC 60332-3)	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 495		1990	3	1999-03-03	SANS 6281-1:1998 (SABS SM 1281-1) SANS 6281-2:1999 (SABS SM 1281-2) SANS 6283:1999 (SABS SM 1283) SANS 6284-1:1999 (SABS SM 1284-1) SANS 6284-2:1999 (SABS SM 1284-2)
					SANS 6284-3:2000 (SABS SM 1284-3)
SABS SM 496		1980	2	1999-04-16	SANS 6282-3:1999 (SABS SM 1282-3)
SABS 496		1954	1	19/2-11-15	
SABS SM 497		1980	2	1999-04-22	SANS 6282-3:1999 (SABS SM 1282-3) SANS 6283:1999 (SABS SM 1283)
SABS SM 498		1980	2	1999-04-16	SANS 6282-3:1999 (SABS SM 1282-3)
SABS 498		1954	1	1973-01-01	SANS 497:1973 (SABS 497)
SABS 499		1954	1	1973-01-01	SANS 497:1973 (SABS 497)
SABS SM 499		1980	2	1999-04-16	SANS 6282-3:1999 (SABS SM 1282-3)
SABS 500		1954	1	1973-01-01	SANS 497:1973 (SABS 497)
SABS SM 500	(SANS 5500)	1980	2	2007-06-01	SANS 60811-3-1:1985 (SABS IEC 60811-3-1)
SABS 501		1954	1	1973-01-01	SANS 497:1973 (SABS 497)
SABS SM 501	(SANS 5501)	1980	2	2007-06-01	SANS 60811-1-4:1985 (SABS IEC 60811-1-4)
SABS 502		1954	1	1973-01-01	SANS 497:1973 (SABS 497)
SABS 503		1954	1	1972-11-15	
SABS SM 503	(SANS 5503)	1980	2	2007-06-01	SANS 60811-1-2:1985 (SABS IEC 60811-1-2) SANS 60811-1-1:2001 (SABS IEC 60811-1-1)
SABS SM 504	(SANS 5504)	1980	2	2007-08-03	SANS 60811-1-2:1985 (SABS IEC 60811-1-2)
SABS 504		1972	1	1973-05-04	VC 8018:1973
SABS SM 505	(SANS 5505)	1980	2	2007-09-14	
SABS 505		1962	1	1976-05-24	CKS 398:1973
SABS 506		1955	1	1976-05-24	CKS 394:1973
SABS 507		1955	1	1972-03-06	
SABS SM 507	(SANS 5507)	1980	2	2007-06-01	SANS 60811-1-2:1985 (SABS IEC 60811-1-2)
SABS SM 508	(SANS 5508)	1980	2	2007-06-01	SANS 60811-1-2:1985 (SABS IEC 60811-1-2)
SABS 508		1979	1	1980-03-07	VC 8019:1980
SABS 509		1975	2	1999-11-19	SANS 14:1994 (SABS ISO 49)
SABS 510		1954	1	1985-11-06	
SABS SM 510	(SANS 5510)	1990	3	2007-06-01	SANS 60811-3-2:1985 (SABS IEC 60811-3-2)
SABS 511		1954	1	1985-11-06	
SABS SM 512 SABS 512	(SANS 5512)	1990 1970	3 2	2007-06-01 1984-03-07	SANS 1387-4:1983 (SABS 1387-4)
			-		SANS 1387-1:1983 (SABS 1387-1)
SABS 514	(SANS 514)	1975	2	1998-05-18	SANS 514:1998 (SABS 514)
SABS 516		1961	1	1970-03-01	CANC 6001 4:1000 (CARC CM 1001 4)
SABS SM 517		1980	2	1999-04-09	SANS 0201-4.1999 (SADS SMI 1201-4)
SABS 517		1962	1	1985-02-27	CANC 6001 1.1000 (CARC CM 1001 1)
SABS SM 518		1980	2	1999-04-09	SANS 0201-1.1990 (SADS SNI 1201-1)
SAB2 218		1959	1	1978-06-07	SANS 1085:1978 (SABS 1085)
SABS SM 519		1980	2	1999-04-09	SANS 6281-3:1999 (SABS SM 1281-3)
SABS 519		1954	1	1998-11-20	
SABS SM 520		1980	2	1999-11-19	SANS 6281-3:1999 (SABS SM 1281-3)
SABS 520		1954	1	1973-05-26	
SABS SM 521		1980	2	1999-04-09	
SABS 522		1955	1	1969-10-01	
SABS SM 522		1980	2	1999-04-09	SANS 6281-2:1999 (SABS SM 1281-2)
SABS SM 523	(0 A N 0)	1980	2	2000-09-15	SANG 6282-1:1999 (SABS SM 1282-1)
SABS SM 524	(SANS 5524)	1980	2	2007-04-13	SANS 62230:2007

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 524		1971	2	2002-02-11	SANS 9147:1987 (SABS ISO 9147)
SABS SM 525		1980	2	2000-02-18	SANS 6284-3:2000 (SABS SM 1284-3)
SABS 525	(SANS 525)	1972	2	2007-09-28	SANS 1923:2007
SABS 526	(SANS 526)	1974	2	2009-05-29	SANS 1887-9:2008
SABS 527	()	1972	2	1984-08-22	SANS 1215:1984 (SABS 1215)
SABS SM 527		1980	2	1999-04-09	
SABS 528		1971	2	1984-03-07	SANS 1387-5:1983 (SABS 1387-5) SANS 1387-1:1983 (SABS 1387-1)
SABS SM 528		1980	2	1999-04-09	SANS 6281-3:1999 (SABS SM 1281-3)
SABS 530		1973	1	1993-09-13	SANS 286-1:1988 (SABS ISO 286-1) SANS 286-2:1988 (SABS ISO 286-2)
SABS SM 530		1980	2	1999-04-09	
SABS 531		1956	1	1970-11-25	
SABS SM 531		1980	2	1999-04-09	
SABS 532		1955	1	1970-11-25	
SABS SM 532		1980	2	1999-04-16	SANS 6282-2:1999 (SABS SM 1282-2)
SABS SM 533		1980	2	1999-04-22	SANS 6283:1999 (SABS SM 1283)
SABS 533		1971	3	1982-08-17	SABS 533-2:1982 SANS 533-1:1982 (SABS 533-1)
SABS 533-1	(SANS 533-1) 1982	2	2007-08-24	SANS 4427:1996 (SABS ISO 4427)
SABS 533-2		1982	2	2001-10-05	SANS 4427:1996 (SABS ISO 4427)
SABS 533-3		1995	1	2001-10-05	SANS 4427:1996 (SABS ISO 4427)
SABS 534		1974	1	1985-11-06	
SABS SM 534		1980	2	1999-04-22	SANS 6283:1999 (SABS SM 1283)
SABS 535		1974	1	1985-11-06	
SABS SM 535		1980	2	1999-04-22	SANS 6283:1999 (SABS SM 1283)
SABS 536		1974	1	1990-05-15	
SABS SM 536		1980	2	1999-04-09	SANS 6281-1:1998 (SABS SM 1281-1)
SABS SM 537		1980	2	1999-03-03	SANS 6281-1:1998 (SABS SM 1281-1)
SABS SM 538		1980	2	1999-03-03	SANS 6281-1:1998 (SABS SM 1281-1)
SABS 538	(SANS 538)	2007	2.02	2008-09-05	SANS 616:2008
SABS 539	(SANS 539)	2001	2.02	2008-09-05	SANS 616:2008
SABS SM 539		1980	2	1999-04-09	SANS 6281-2:1999 (SABS SM 1281-2)
SABS SM 540		1990	3	1997-07-21	SANS 10198-13:1988 (SABS 0198-13) SANS 6281-4:1999 (SABS SM 1281-4) SANS 6284-4:2000 (SABS SM 1284-4) SANS 6284-5:2000 (SABS SM 1284-5)
SABS SM 541		1980	2	2000-02-18	SANS 6284-3:2000 (SABS SM 1284-3)
SABS SM 542		1980	2	1997-07-21	SANS 10198-13:1988 (SABS 0198-13) SANS 6281-4:1999 (SABS SM 1281-4) SANS 6284-4:2000 (SABS SM 1284-4) SANS 6284-5:2000 (SABS SM 1284-5)
SABS SM 543		1980	2	1997-07-21	SANS 6286:2000 (SABS SM 1286)
SABS 544		1956	1	1977-03-09	SANS 1128-2:1977 (SABS 1128-2)
SABS SM 545		1980	2	1999-04-09	SANS 60811-1-2:1985 (SABS IEC 60811-1-2)
SABS 546	(SANS 546)	1977	2	2008-11-07	
SABS SM 546		1980	2	1997-07-21	SANS 60811-1-3:1993 (SABS IEC 60811-1-3)
SABS 547		1955	1	1985-05-22	
SABS SM 547	(SANS 5547)	1987	3	2007-10-12	
SABS SM 548	(SANS 5548)	1987	3	2013-01-18	SANS 1124-2:2011 (SABS 1124-2) SANS 1124-1:2011 (SABS 1124-1)
SABS SM 549		1975	2	1989-02-27	
SABS 549		1993	4	2002-02-11	SANS 60079-11:1999 (SABS IEC 60079-11)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 550		1974	2	1991-11-15	SANS 550-4:1991 (SABS 550-4) SANS 550-3:1991 (SABS 550-3) SANS 550-2:1991 (SABS 550-2)
SARS 551		1062	1	1070-11-25	SANS 550-1:1991 (SABS 550-1)
SABS 551	(SANS 5551)	1902	1	2006-06-02	SANS 50196-2:1994 (SABS EN 196-2)
SADS SIVI 551	(SANS 5551)	1901	1	2000-00-02	SANS 50190-2.1994 (SABS EN 190-2)
SABS 552-2	(SANS 552-7)	1074	1	2003-08-15	SANS 552:2003
SABS 552-2	(SANS 552-2)	1974	1	2003-08-15	SANS 552:2003
SABS 553	(UANO 332 0)	1972	2	1998-10-30	0,110,002.2000
SABS 554		1971	2	1983-06-08	SANS 346:1982 (SABS 346)
SABS SM 554		1974	2	1998-03-30	
SABS SM 555		1974	2	2002-02-22	
SABS 556		1956	1	1973-08-15	
SABS SM 556		1990	2	2001-01-19	SANS 105-X11:1994 (SABS ISO 105-X11)
SABS 557		1956	1	1973-08-15	
SABS SM 558	(SANS 5558)	1980	2	2009-02-20	
SABS SM 559	(SANS 5559)	2001	2.01	2008-04-25	
SABS 560	· · · ·	1956	1	1967-12-31	
SABS SM 561	(SANS 5561)	1975	1	2004-03-19	
SABS SM 562	(SANS 5562)	1987	1	2008-05-23	SANS 440:2008 (SABS 440)
SABS 562	(SANS 562)	1956	1	2011-07-29	SANS 587:2005 (SABS 587)
SABS 563		1978	4	1998-09-03	SANS 1783-2:1997 (SABS 1783-2) SANS 1783-1:1997 (SABS 1783-1)
SABS SM 563	(SANS 5563)	1968	1	2008-11-21	
SABS SM 564	(SANS 5564)	1968	1	2008-11-21	
SABS SM 565	(SANS 5565)	1968	1	2008-11-21	
SABS 565		1976	2	1995-02-06	
SABS 566		1975	1	1986-11-05	
SABS SM 566	(SANS 5566)	1968	1	2008-11-21	
SABS SM 567	(SANS 5567)	1968	1	2008-11-21	
SABS 567		1956	1	1986-11-05	
SABS 568		1956	1	1988-11-05	
SABS 569		1956	1	1986-11-05	
SABS 570		1956	1	1988-11-05	
SABS 571		1956	1	1998-03-30	
SABS 572		1973	1	1988-03-22	SANS 1451-1:1988 (SABS 1451-1) SANS 1451-2:1988 (SABS 1451-2)
SABS 573	(SANS 573)	2008	2.01	2010-03-26	
SABS 574	(SANS 574)	1973	1	2002-11-15	
SABS 575		1956	1	1970-08-22	
SABS 5/6		19/1	3	1986-08-13	
SABS SM 577	(SANS 5577)	1968	1	2004-05-28	CANC 1401 5:1002 (CADC 1401 5)
SABS 5/7		1970	2	1984-03-07	SANS 1401-3.1983 (SABS 1401-5) SANS 1401-1:1983 (SABS 1401-1)
SABS SM 578	(SANS 5578)	1970	2	2004-05-28	
	(0 4 10 5570)	1956	1	1900-03-09	
SABS SM 5/9	(SANS 55/9)	1970	2	2004-05-28	
3AD3 3/9		1950	1	1970-00-24	
SADS SIVI SOU	(DAINS 5501)	1909	ו ס	2000-02-22	
SARS SM 500	(SANG 5590)	1070	2 2	2000-02-22	
SARS 582	(SANG 592)	1070	ے 1	2000-02-22	SANS 3821-2004
SABS 583		1071	י 2	1982-01-01	SANS 346 1982 (SABS 346)
0,000		1071	<u>~</u>		

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 584		1971	2	1986-03-13	
SABS SM 585	(SANS 5585)	2003	2.01	2011-06-24	
SABS SM 586	(SANS 5586)	1974	1	2004-05-28	
SABS SM 587	(SANS 5587)	1978	2	2004-05-28	
SABS SM 588	(SANS 5588)	1978	2	2004-05-28	
SABS SM 589	(SANS 5589)	1988	3	2004-05-28	
SABS 589	,	1971	2	1992-05-19	
SABS 590		1957	1	1980-11-05	SANS 1290:1980 (SABS 1290)
SABS SM 590	(SANS 5590)	1978	2	2004-05-28	
SABS 591	()	1957	1	1980-11-05	SANS 1290:1980 (SABS 1290)
SABS 592	(SANS 592)	1957	1	2009-06-19	
SABS SM 592	()	1975	1	1997-06-02	
SABS SM 593	(SANS 5593)	1984	2	2007-11-02	
SABS 593	(SANS 593)	1957	1	2009-06-19	SANS 616:2012
SABS 594	(0,	1957	1	1980-11-05	
SABS SM 594	(SANS 5594)	1975	1	2007-11-02	
SABS SM 595	(SANS 5595)	1975	1	2007-11-02	
SABS 596	(SANS 596)	1987	4	2008-05-23	
SABS SM 596	(0/110 000)	1975	1	1997-06-02	
SABS SM 597	(SANS 5597)	1975	1	2007-11-02	
SABS SM 598	(0410 0007)	1975	1	1997-06-02	
SABS SM 599		1075	1	1997-06-02	
SABS SM 600	(SANS 5600)	1078	1	2008-06-06	
SABS SIN 000	(34113 3000)	1071	1 2	1984-03-07	SANS 1387-6-1983 (SABS 1387-6)
SAB3 000		1971	2	1904-00-07	SANS 1387-1:1983 (SABS 1387-1)
SABS SM 601	(SANS 5601)	1975	1	2008-06-06	
SABS 601		1974	2	1991-11-15	
SABS 602		1974	2	1991-11-15	
SABS SM 603	(SANS 5603)	1975	1	2006-11-24	SANS 1384:2006 (SABS 1384)
SABS 603		1974	2	1991-11-15	
SABS SM 604	(SANS 5604)	1975	1	2006-11-24	SANS 1384:2006 (SABS 1384)
SABS 604		1974	2	1991-11-15	
SABS SM 605	(SANS 5605)	1984	2	2006-11-24	SANS 1384:2006 (SABS 1384)
SABS 605		1974	2	1991-11-15	
SABS SM 606	(SANS 5606)	1975	1	2006-11-24	SANS 1384:2006 (SABS 1384)
SABS 606		1974	2	1991-11-15	
SABS 607		1974	2	1991-11-15	
SABS SM 608		1969	1	1990-05-15	
SABS 608		1974	2	1991-11-15	
SABS 609		1974	2	1991-11-15	
SABS SM 609		1969	1	1990-05-15	
SABS SM 610	(SANS 5610)	1980	2	2004-05-28	
SABS 610		1974	2	1991-11-15	
SABS 611		1974	2	1991-11-15	
SABS SM 611		1969	1	1990-05-15	
SABS 612		1974	2	1991-11-15	
SABS SM 612		1969	1	1990-05-15	
SABS 613		1974	2	1991-11-15	
SABS SM 613		1977	1	1980-11-05	
SABS 614		1974	2	1991-11-15	
SABS 615-1		1973	2	1991-11-15	
SABS 615-2		1966	1	1991-11-15	
SABS 616-1		1973	2	1991-11-15	

Withdrawn standard		lssue	Ed	Date withdrawn	Replaced by
SABS 616-2		1972	2	1991-11-15	
SABS SM 617	(SANS 5617)	2001	2	2011-01-21	SANS 4684:2010
SABS 617		1959	1	1976-05-24	
SABS 618		1960	1	1973-03-05	
SABS 620		1971	2	1984-03-07	SANS 1401-6:1983 (SABS 1401-6) SANS 1401-1:1983 (SABS 1401-1)
SABS SM 622	(SANS 5622)	1972	2	2008-04-11	SANS 4047:1977 (SABS ISO 4047)
SABS 623	(SANS 623)	1987	2	2009-10-09	
SABS SM 623	(SANS 5623)	1972	2	2008-04-11	SANS 4047:1977 (SABS ISO 4047)
SABS 624	(SANS 624)	1987	3	2008-06-20	
SABS 625		1976	2	1999-12-17	
SABS SM 625	(SANS 5625)	1990	2	2011-01-21	SANS 5398-1:2010
SABS 626		1971	2	1998-07-03	SANS 50196-1:1994 (SABS EN 196-1) SANS 50196-2:1994 (SABS EN 196-2) SANS 50196-5:1994 (SABS EN 196-5) SANS 50196-6:1989 (SABS EN 196-6) SANS 50196-7:1989 (SABS EN 196-7) SANS 50196-21:1989 (SABS EN 196-21) SANS 50413-1:1994 (SABS ENV 413-1) SANS 50413-2:1994 (SABS EN 413-2) SABS ENV 197-2:1995 SABS ENV 197-1:1992 SANS 50196-3:1994 (SABS EN 196-3)
SABS SM 626	(SANS 5626)	1992	3	2011-01-21	SANS 4045:2010
SABS 627		1971	2	1984-03-07	SANS 1387-7:1983 (SABS 1387-7) SANS 1387-1:1983 (SABS 1387-1)
SABS SM 628	(SANS 5628)	1972	2	2011-05-06	SANS 11641:2010
SABS 628		1960	1	1985-05-22	
SABS SM 629	(SANS 5629)	1993	3	2011-05-06	SANS 2420:2010
SABS 629	(SANS 629)	2009	3.01	2012-06-01	
SABS SM 631	(SANS 5631)	1972	2	2009-09-11	SANS 2417:2009
SABS 631		1972	2	1996-06-03	
SABS 633		1972	2	1996-02-05	SANS 1586:1995 (SABS 1586)
SABS 634		1972	2	1996-02-05	SANS 1586:1995 (SABS 1586)
SABS SM 635	(SANS 5635)	1990	3	2011-01-21	SANS 3380:2010
SABS SM 639	(SANS 5639)	1972	2	2011-05-06	SANS 17236:2011
SABS 640	(SANS 640)	2005	2	2009-10-23	SANS 883:2009
SABS SM 643		1972	2	1998-01-12	
SABS 645	(SANS 645)	1970	2	2005-01-14	SANS 271:2004

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 646	(SANS 646)	1962	1	2004-07-23	SANS 1700-2-1:2003
	()		-		SANS 1700-2-3:2003
					SANS 1700-2-4:1996 (SABS 1700-2-4)
					SANS 1700-2-8:1996 (SABS 1700-2-8)
					SANS 1700-2-9:1996 (SABS 1700-2-9)
					SANS 1700-2-10:1996 (SABS 1700-2-10) SANS 1700-2-11:1996 (SABS 1700-2-11)
					SANS 1700-2-12:1996 (SABS 1700-2-12)
					SANS 1700-2-14:1996 (SABS 1700-2-14)
					SANS 1700-2-15:1996 (SABS 1700-2-15)
					SANS 1700-2-16:1996 (SABS 1700-2-16)
					SANS 1700-2-17:1996 (SABS 1700-2-17)
					SANS 1700-2-2:2003
					SANS 1700-2-5.2003 (SABS 1700-2-5) SANS 1700-2-6:2003 (SABS 1700-2-6)
					SANS 1700-2-7:2003 (SABS 1700-2-7)
					SANS 1700-2-13:2003 (SABS 1700-2-13)
					SANS 1700-2-18:2003
					SANS 1700-2-19:2003
					SANS 1700-2-20:2003
					SANS 1700-2-21:2004
SARS SM 647	(SANS 5647)	1002	2	2011-01-21	SANS 17604-2-22.2004 SANS 17604-2010
	(SANS 3047)	1061	1	1076 09 19	SANS 1083-1976 (SABS 1083)
SADS 047		1000	1 0	2011 01 21	SANS 1887-2:2008
SADS 040	(SANS 646)	1900	3	1060 12 04	SANS 1007-2.2000
SADS 049		1902	1	2011 01 21	SANS 22654-2010
SADS SIM 051	(SANS 5651)	1909	2	2011-01-21	SANS 22034.2010
SABS SM 652	(SANS 5652)	1972	2	2011-01-21	SANS 20073.2010 SANS 1702 1:1007 (SADS 1702 1)
SAB2 003		1980	4	1990-09-03	SANS 1763-1.1997 (SABS 1763-1) SANS 1783-4:1997 (SABS 1783-4)
SABS 654		1974	2	1982-01-01	SABS 1359:1982
SABS 655		1960	1	1969-01-01	
SABS 656		1960	1	1969-01-01	
SABS SM 657		1972	2	1999-09-03	
SABS SM 658		1972	2	1999-09-03	
SABS 658		1961	1	1985-05-22	
SABS SM 659		1972	2	1999-09-03	
SABS 661		1971	2	1982-01-01	SANS 346:1982 (SABS 346)
SABS 663		1972	2	1995-09-18	
SABS 664	(SANS 664)	1999	5	2010-06-25	SANS 664-1:2009
					SANS 664-2:2009
		1004	0	0011 01 01	SANS 664-3:2009
SABS SM 664	(SANS 5664)	1994	2	2011-01-21	SANS 4043.2003
SABS 000	(SANS 665)	2000	4.01	2010-06-25	SANS 665-2:2009
					SANS 665-3:2009
SABS 666		1975	2	1985-11-06	
SABS 667		1975	2	1985-11-06	
SABS 668	(SANS 668)	1975	2	2007-09-14	SANS 321:1978 (SABS 321)
SABS 669	(SANS 669)	1975	2	2007-09-14	SANS 320:1978 (SABS 320)
SABS SM 670	(SANS 5670)	1994	2	2011-01-21	SANS 20344:2008
SABS 670		1973	2	1991-11-15	
SABS SM 671		1975	2	1997-06-02	
SABS 671		1974	2	1999-10-29	
SABS SM 672		1969	1	1990-05-15	
SABS 672	(SANS 672)	2008	2.01	2010-03-26	
SABS SM 673		1969	1	1990-05-15	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 674		1958	1	2001-07-06	
SABS SM 674		1969	1	1990-05-15	
SABS SM 675		1969	1	1990-05-15	
SABS SM 676		1969	1	1990-05-15	
SABS SM 677		1969	1	1990-05-15	
SABS SM 678		1969	1	1990-05-15	
SABS SM 679	(SANS 5679)	1981	2	2004-05-28	
SABS 679	(SANS 679)	1972	2	2006-12-08	
SABS SM 680	(SANS 5680)	1981	2	2004-05-28	
SABS SM 681	. ,	1969	1	1990-05-15	
SABS 683	(SANS 683)	1972	2	2002-11-15	
SABS 684	(SANS 684)	1972	2	2007-06-01	
SABS SM 685	(SANS 5685)	1988	2	2004-05-28	
SABS 686		1959	1	1967-08-21	SABS 894:1968
SABS 687		1959	1	1982-08-17	
SABS SM 688		1981	1	1993-08-23	
SABS 688		1960	1	1985-02-27	
SABS 689		1974	2	1998-07-14	SANS 1774:1998 (SABS 1774)
SABS 690		1975	2	1998-07-14	SANS 1774:1998 (SABS 1774)
SABS 691		1974	2	1998-07-14	SANS 1774:1998 (SABS 1774)
SABS SM 691		1970	1	1977-11-09	SANS 5690:1978 (SABS SM 690)
SABS SM 692		1970	1	1977-11-09	SANS 5690:1978 (SABS SM 690)
SABS 692	(SANS 692)	2008	2.01	2010-03-26	
SABS 693		1959	1	1977-08-24	
SABS 694		1967	2	1973-11-14	SABS 694-2:1973
					SABS 694-1:1973
					SABS 694-3:1973 SABS 694-4:1973
SABS 694-1		1973	3	1996-01-22	3863 034-4.1973
SABS 694-2		1973	2	1996-01-22	
SABS 694-3		1973	3	1996-01-22	
SABS 694-4		1973	3	1996-01-22	
SABS 695		1971	2	1999-05-14	
SABS 696		1971	2	1999-05-14	
SABS 697		1971	2	1999-05-14	
SABS SM 697		1980	1	1997-06-02	
SABS 698		1971	2	1999-05-14	
SABS SM 698		1969	1	2001-10-05	
SABS SM 699		1969	1	1986-03-13	SABS 976:1986
					SANS 996:1982 (SABS 996)
SABS 699		1971	2	1999-05-14	
SABS 700		1971	2	1999-05-14	
SABS SM 700		1969	1	1986-03-13	SABS 976:1986
0400 704		4074	•	1000 05 14	SANS 996:1982 (SABS 996)
SABS /01		19/1	2	1999-05-14	CARC 076:1006
SABS SM 701		1969	1	1986-03-13	SABS 976.1966 SANS 996:1982 (SABS 996)
SABS 702		1971	2	1999-05-14	
SABS SM 702		1969	1	1986-03-13	SABS 976:1986 SANS 996:1982 (SABS 996)
SABS 703		1971	2	1999-05-14	
SABS SM 703		1969	1	1986-03-13	SABS 976:1986 SANS 996:1982 (SABS 996)
SABS 704-A		1974	3	1981-08-19	UNIO 000.1002 (UNDO 000)
			-		

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 704		1959	1	1966-01-31	SABS 704-A:1966
SABS SM 704		1969	1	1986-03-13	SABS 976:1986
					SANS 996:1982 (SABS 996)
SABS SM 705		1969	1	1986-03-13	SABS 976:1986 SANS 996:1982 (SABS 996)
SABS 705		1970	2	1982-03-03	SANS 346:1982 (SABS 346)
SABS SM 706		1969	1	1986-03-13	SABS 976:1986
					SANS 996:1982 (SABS 996)
SABS 706	(1959	1	1976-05-24	
SABS 707	(SANS 707)	1972	2	2009-08-28	SANS 1887-4:2008
SABS SM /0/		1969	1	1986-03-13	SABS 976:1986 SANS 996:1982 (SABS 996)
SABS SM 708		1969	1	1986-03-13	SABS 976:1986
					SANS 996:1982 (SABS 996)
SABS SM 710		1969	1	1986-03-13	SABS 976:1986
SABS SM 711		1060	1	1986-03-13	SARS 936:1982 (SABS 996) SARS 976:1986
		1303	1	1000 00 10	SANS 996:1982 (SABS 996)
SABS SM 712		1969	1	1986-03-13	SABS 976:1986
					SANS 996:1982 (SABS 996)
SABS 712		1974	1	1984-08-22	0400 070 1000
SABS SM /13		1969	1	1986-03-13	SABS 976:1986 SANS 996:1982 (SABS 996)
SABS SM 714		1969	1	1986-03-13	SANS 996:1994 (SABS 996)
					SABS 976:1986
SABS 714		1961	1	1977-06-08	
SABS SM 715		1969	1	1986-03-13	SABS 976:1986
SABS 715		1961	1	1979-08-22	SANS 330.1302 (SADS 330)
SABS SM 716		1969	1	1986-03-13	SABS 976:1986
					SANS 996:1982 (SABS 996)
SABS 716	(SANS 716)	1972	2	2007-07-20	
SABS SM 717		1969	1	1986-03-13	SABS 976:1986
SABS 717		1982	з	2002-04-26	SANS 330.1302 (SADS 330)
SABS SM 718		1969	1	1986-03-13	SABS 976:1986
					SANS 996:1982 (SABS 996)
SABS 718		1962	1	1976-08-18	SANS 1083:1976 (SABS 1083)
SABS SM 719		1969	1	1986-03-13	SABS 976:1986
SABS 720		1962	1	1979-11-07	SANS 990.1902 (SADS 990)
SABS 720 SABS SM 720		1969	1	1986-03-13	SABS 976:1986
		1000	•		SANS 996:1982 (SABS 996)
SABS SM 721		1970	1	1986-03-13	SABS 976:1986
0400 704		1070	•	1000 00 10	SANS 996:1982 (SABS 996)
SABS /21		1976	2	1992-08-13	SARS 076-1096
SABS 5M /22		1970	I	1966-03-13	SABS 976.1960 SANS 996:1982 (SABS 996)
SABS SM 723		1970	1	1986-03-13	SABS 976:1986
					SANS 996:1982 (SABS 996)
SABS 723	(SANS 723)	1973	2	2007-08-17	
SABS SM 724		1970	1	1986-03-13	SABS 976:1986 SANS 996:1982 (SABS 996)
SABS 724		1983	4	1989-05-12	SANS 1080:1983 (SABS 1080)
SABS SM 725		1970	1	1986-03-13	SABS 976:1986
-		-			SANS 996:1982 (SABS 996)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 725		1962	1	1984-03-07	SANS 1401-8:1983 (SABS 1401-8) SANS 1401-1:1983 (SABS 1401-1)
SABS SM 727	(SANS 5727)	1975	1	2004-11-19	
SABS 728		1970	2	1994-06-27	SANS 135:1988 (SABS ISO 1456)
SABS SM 728	(SANS 5728)	1975	1	2004-11-19	
SABS SM 729	(SANS 5729)	1975	1	2004-11-19	
SABS 729		1963	1	1997-11-24	SANS 1675:1997 (SABS 1675)
SABS 730		1963	1	1986-03-13	
SABS SM 731		1986	3	1986-11-01	SABS SM 731:1993
SABS SM 731		1993	4	1999-01-08	SANS 105-E04:1994 (SABS ISO 105-E04)
SABS 731		1987	2	1995-02-13	SANS 731-1:1995 (SABS 731-1)
SABS 732		1970	2	1983-06-08	
SABS SM 733	(SANS 5733)	1971	1	2004-11-19	
SABS 734	,	1964	1	1978-08-23	
SABS SM 734	(SANS 5734)	1971	1	2004-11-19	
SABS SM 735	(SANS 5735)	1971	1	2006-06-02	SANS 50196-2:1994 (SABS EN 196-2)
SABS SM 736	(SANS 5736)	1971	1	2004-11-19	
SABS 736	(,	1963	1	1991-11-15	
SABS 737		1963	1	1976-11-10	SANS 1099:1976 (SABS 1099) SABS 1098:1976
SABS SM 737	(SANS 5737)	1971	1	2004-11-19	
SABS 738		1975	2	1988-08-29	
SABS SM 738	(SANS 5738)	1971	1	2006-06-02	SANS 50196-2:1994 (SABS EN 196-2)
SABS SM 739	(SANS 5739)	1971	1	2006-06-02	SANS 50196-2:1994 (SABS EN 196-2)
SABS 739		1964	1	1992-11-11	
SABS 740			2	1996-07-22	
SABS SM 740	(SANS 5740)	1971	1	2006-06-02	SANS 50196-2:1994 (SABS EN 196-2)
SABS SM 741	(SANS 5741)	1971	1	2005-11-21	SANS 50196-2:1994 (SABS EN 196-2)
SABS 741-1		1983	2	1995-02-13	SANS 741:1995 (SABS 741)
SABS 741-2		1983	2	1995-02-13	SANS 741:1995 (SABS 741)
SABS 741-3		1983	2	1995-02-13	SANS 741:1995 (SABS 741)
SABS 741-4		1983	2	1995-02-13	SANS 741:1995 (SABS 741)
SABS 742		1968	1	1983-06-08	SABS 741-4:1983
					SABS 741-2:1983
					SABS 741-1:1983
					SABS 741-3:1983
SABS SM 742	(SANS 5742)	19/1	1	2009-03-20	
SABS 743		1996	3	2002-08-02	SANS 61558-2-6:1997 (SABS IEC 61558-2-6) SANS 61558-2-7:1997 (SABS IEC 61558-2-7) SANS 61558-2-17:1997 (SABS IEC 61558-2-17) SANS 61558-1:1997 (SABS IEC 61558-1)
					SANS 61558-2-1:1997 (SABS IEC 61558-2-1) SANS 61558-2-2:1997 (SABS IEC 61558-2-2) SANS 61558-2-2:1997 (SABS IEC 61558-2-2)
					SANS 61558-2-5:1997 (SABS IEC 61558-2-5)
					SANS 61558-2-8:1998 (SABS IEC 61558-2-8)
					SANS 61558-2-15:1999 (SABS IEC 61558-2-15) SANS 61558-2-3:1999 (SABS IEC 61558-2-3)
					SANS 61558-2-23:2000 (SABS IEC 61558-2-23) SANS 61558-2-20:2000 (SABS IEC 61558-2-20)
	(0.1)			0004 44 45	SANS 61558-2-19:2000 (SABS IEC 61558-2-19)
SABS SM 743	(SANS 5743)	1971	1	2004-11-19	
SABS 744	(0.1)	1963	1	2000-08-25	
SABS SM 744	(SANS 5744)	1971	1	2006-06-02	SANS 50197-2:2000 (SABS EN 197-2) SANS 50197-1:2000 (SABS EN 197-1)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 745	(SANS 5745)	1971	1	2005-08-05	SANS 50413-2:1994 (SABS EN 413-2) SANS 50197-2:2000 (SABS EN 197-2) SANS 50197-1:2000 (SABS EN 197-1) SANS 50413-1:2004
SABS 745		1963	1	1972-03-06	
SABS SM 746	(SANS 5746)	1971	1	2006-01-20	
SABS 747	,	1965	1	1987-08-19	
SABS SM 747	(SANS 5747)	1971	1	2009-08-28	
SABS 748	(SANS 748)	2002	3.05	2010-07-02	
SABS SM 749	(SANS 5749)	1971	1	2006-06-23	SANS 50196-1:2006 (SABS EN 196-1)
SABS 749	(SANS 749)	2003	3.03	2012-11-23	
SABS SM 750	(SANS 5750)	1971	1	2004-11-19	
SABS SM 751	(SANS 5751)	1988	2	2006-06-02	SANS 50196-3:1994 (SABS EN 196-3)
SABS SM 752	(SANS 5752)	1988	2	2004-11-19	
SABS 752-1		1976	1	1988-03-09	
SABS 752-2		1977	1	1988-03-09	SANS 752:1988 (SABS 752)
SABS SM 753	(SANS 5753)	1988	2	2004-11-19	
SABS SM 755	(SANS 5755)	1971	1	2006-06-23	SANS 50413-2:2006 (SABS EN 413-2)
SABS SM 756		1975	1	1999-09-23	SANS 4833:1991 (SABS ISO 4833)
SABS SM 757		1992	2	1999-09-23	SANS 4832:1991 (SABS ISO 4832)
SABS SM 758		1975	1	2001-03-09	SANS 7251:1993 (SABS ISO 7251)
SABS 758	(SANS 758)	1999	3	2006-03-31	SANS 39:1991 (SABS ISO 407)
SABS SM 759		1975	1	2000-01-28	SANS 6579:1993 (SABS ISO 6579)
SABS 759		1971	2	1984-03-07	SANS 1401-9:1983 (SABS 1401-9) SANS 1401-1:1983 (SABS 1401-1)
SABS 760		1972	2	1995-09-04	SANS 1038:1976 (SABS 1038) SANS 750:1976 (SABS 750)
SABS SM 760		1975	1	2001-03-29	SANS 6888-1:1999 (SABS ISO 6888-1) SANS 6888-2:1999 (SABS ISO 6888-2)
SABS 762		1968	1	1989-02-27	
SABS 763		1988	3	2000-05-25	SANS 121:1999 (SABS ISO 1461) SANS 32:1997 (SABS EN 10240)
SABS 764	(SANS 764)	1972	2	2005-01-14	SANS 272:2004
SABS SM 764		1975	1	1999-09-23	
SABS SM 765		1975	1	1999-09-23	
SABS 765		1965	1	1974-12-01	SANS 1001:1974 (SABS 1001) SANS 1002:1974 (SABS 1002) SANS 1004:1974 (SABS 1004) SANS 1003:1974 (SABS 1003) SANS 1002:2000 (SABS 1002) SANS 1001:2000 (SABS 1001)
SABS 766		1965	1	1979-08-22	SABS 976:1969 SANS 996:1970 (SABS 996)
SABS SM 767	(SANS 5767)	1978	1	2007-07-20	
SABS 767		1964	1	1992-05-19	SANS 182-2:1973 (SABS 182-2) SANS 182-3:1975 (SABS 182-3) SANS 182-4:1979 (SABS 182-4) SANS 182-5:1979 (SABS 182-5) SANS 182-1:1973 (SABS 182-1) SANS 767-2:1983 (SABS 767-2) SANS 767-1:1982 (SABS 767-1)
SABS 768		1965	1	1983-03-02	SABS 1382:1983
SABS SM 769	(SANS 5769)	1978	1	2008-02-08	SANS 8502-3:2008
SABS 769		1965	1	1983-03-02	SABS 1382:1983
SABS 771		1971	2	1982-03-03	SANS 346:1982 (SABS 346)
SABS 772		1965	1	1997-07-14	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 773	(SANS 5773)	1978	1	2006-08-11	
SABS 773	()	1971	2	1984-03-07	SANS 1401-10:1983 (SABS 1401-10)
					SANS 1401-1:1983 (SABS 1401-1)
SABS 774		1971	2	1984-03-07	SANS 1401-12:1983 (SABS 1401-12) SANS 1401-1:1983 (SABS 1401-1)
SABS SM 774	(SANS 5774)	1978	1	2006-08-11	
SABS 775		1971	2	1983-03-07	SANS 1401-13:1983 (SABS 1401-13) SANS 1401-1:1983 (SABS 1401-1)
SABS SM 776	(SANS 5776)	1978	1	2007-07-20	
SABS SM 777		1973	1	1984-08-22	SANS 6082:1984 (SABS SM 1082) SANS 6081:1984 (SABS SM 1081)
SABS 781		1987	1	1984-11-04	VC 8020:1969
SABS 782		1972	2	1995-09-18	
SABS SM 782	(SANS 5782)	1973	1	2004-11-19	
SABS 783		1973	2	1995-09-18	
SABS SM 783	(SANS 5783)	1973	1	2004-11-19	
SABS 784		1980	2	1997-03-10	SANS 1473-2:1996 (SABS 1473-2)
SABS SM 784	(SANS 5/84)	1973	1	2004-11-19	
SABS SM 785	(SANS 5785)	1973	1	2007-05-18	
SABS SM /86	(SANS 5/86)	1973	1	2007-05-18	
SABS SM /8/	(SANS 5787)	1973	1	2007-05-18	CANC 1997 0.1002 (CADC 1997 0)
SABS /88		1971	2	1984-03-07	SANS 1367-6.1963 (SABS 1367-6) SANS 1387-1:1983 (SABS 1387-1)
SABS 789		1971	2	1984-03-07	SANS 1401-14:1983 (SABS 1401-14) SANS 1401-1:1983 (SABS 1401-1)
SABS 790		1971	2	1984-03-07	SANS 1387-9:1983 (SABS 1387-9) SANS 1387-1:1983 (SABS 1387-1)
SABS 792	(SANS 792)	1970	2	2009-08-28	SANS 1887-3:2008
SABS 793		1966	1	1985-11-06	
SABS SM 795		1974	1	2000-01-28	
SABS 796		1971	2	1999-01-21	SANS 1700-7-1:1996 (SABS 1700-7-1)
SABS 797	(SANS 797)	1971	2	2004-07-23	SANS 1700-16-1:2003
					SANS 1700-16-2:2003
					SANS 1700-16-3:2003
					SANS 1700-16-5:2003
					SANS 1700-16-10:1996 (SABS 1700-16-10)
					SANS 1700-16-6:2003 (SABS 1700-16-6)
					SANS 1700-16-7:2003 (SABS 1700-16-7)
					SANS 1700-16-15:2003
					SANS 1/00-16-16:2003
					SANS 1700-16-17.2003 SANS 1700-16-14:2003
SABS SM 798		1975	1	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS 798		1966	1	1973-11-14	
SABS SM 799		1975	1	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS 799	(SANS 799)	1983	2	2005-06-03	SANS 20022:1992 (SABS ECE R 22)
SABS SM 800	(0/ (0/ / 00)	1975	1	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS 800	(SANS 800)	1966	1	2008-01-25	
SABS SM 801	(1975	1	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS 801	(SANS 801)	1973	2	2007-08-17	· · · · · · · · · · · · · · · · · · ·
SABS SM 802	(2	1975	-	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS SM 803		1975	1	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS SM 804		1975	1	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS SM 805		1975	1	1999-02-19	SANS 1833:1977 (SABS ISO 1833)
SABS 805	(SANS 805)	1970	2	2013-01-25	
	. ,				

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 809	(SANS 809)	1996	4	1998-10-30	SANS 809:1998 (SABS 809)
SABS 810	(SANS 810)	1992	4	2005-08-26	SANS 1910:2003
SABS SM 810	(SANS 5810)	1977	1	2008-03-28	
SABS 811	(1974	2	1994-01-31	SANS 2415:1987 (SABS ISO 2415) SANS 2262:1984 (SABS ISO 2262)
SABS 812		1973	2	1994-01-31	SANS 2415:1987 (SABS ISO 2415) SANS 2262:1984 (SABS ISO 2262)
SABS SM 813	(SANS 5813)	1978	1	2008-03-28	
SABS SM 814	(SANS 5814)	1978	1	2008-03-28	
SABS 815	(SANS 815)	1978	2	2005-07-15	SANS 815-1:2002 (SABS 815-1) SANS 815-2:2004
SABS 816		1968	1	1989-02-27	
SABS SM 816	(SANS 5816)	1978	1	2008-03-28	
SABS 818		1969	1	1989-02-27	
SABS SM 818	(SANS 5818)	1986	1	2004-03-05	SANS 4586-2:1997 (SABS ISO 4586-2)
SABS SM 820	(SANS 5820)	1978	1	2008-03-28	
SABS SM 821	(SANS 188)	1978	1	2008-03-28	
SABS 823		1972	1	1989-02-27	
SABS SM 824	(SANS 5824)	1978	1	2009-03-27	
SABS SM 825		1976	1	1999-09-10	
SABS SM 826	(SANS 194)	2006	3	2012-05-10	
SABS 826	(SANS 826)	1973	2	2007-09-28	SANS 1923:2007
SABS 827		1968	1	1989-02-27	
SABS 828		1968	1	1989-02-27	
SABS 829		1968	1	1989-02-27	
SABS 830		1968	1	1989-02-27	
SABS 831		1971	2	1998-07-03	SANS 50413-1:1994 (SABS ENV 413-1) SANS 50413-2:1994 (SABS EN 413-2) SABS ENV 197-2:1995 SABS ENV 197-1:1992
SABS 831-1		1966	1	1971-06-09	SABS 831:1971
SABS 831-2		1967	1	1971-06-09	SABS 831:1971
SABS 832		1974	1	1979-06-06	SANS 814:1979 (SABS 814)
SABS 833		1966	1	1985-02-27	SABS 1035:1975 SANS 1037:1985 (SABS 1037)
SABS 834		1966	1	1985-02-27	SANS 1371:1985 (SABS 1371) SABS 1036:1976
SABS 835		1976	2	1986-03-13	
SABS 836		1976	2	1986-03-13	
SABS 837		1976	2	1986-03-13	
SABS 838		1976	2	1986-03-13	
SABS 839		1976	2	1986-03-13	
SABS 840		1976	2	1986-03-13	
SABS 841		1976	2	1986-03-13	
SABS 842		1976	2	1986-03-13	
SABS SM 843	(SANS 5843)	2008	2.02	2012-01-20	SANS 3001-AG20:2011 SANS 3001-AG21:2011
SABS 843		1977	2	1986-03-13	
SABS 845		1977	2	1986-03-13	
SABS 846		1977	2	1986-03-13	
SABS 847		1977	2	1986-03-13	
SABS 849		1977	2	1986-03-13	
SABS SM 850		1976	1	1998-09-03	SANS 5850-1:1998 (SABS SM 850-1)
SABS 850		1977	2	1986-03-13	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 851		1977	2	1986-03-13	
SABS SM 852	(SANS 5852)	2008	2	2011-08-19	SANS 3001-GR10:2011
SABS 852	,	1977	2	1986-03-13	
SABS SM 853	(SANS 5853)	2008	2	2011-08-19	SANS 3001-GR10:2011
SABS 853	. ,	1977	2	1986-03-13	
SABS 854		1977	2	1986-03-13	
SABS 855		1977	2	1986-03-13	
SABS 856		1977	2	1986-03-13	
SABS 857		1977	2	1986-03-13	
SABS SM 857	(SANS 5857)	1976	1	2008-02-22	
SABS 858		1977	2	1986-03-13	
SABS 859		1977	2	1986-03-13	
SABS 860		1977	2	1986-03-13	
SABS 861		1977	2	1986-03-13	
SABS SM 861		1976	1	1994-10-31	SANS 5861-1:1994 (SABS SM 861-1) SANS 5861-2:1994 (SABS SM 861-2) SANS 5861-3:1994 (SABS SM 861-3)
SABS 862		1977	2	1986-03-13	
SABS SM 862		1976	1	1994-10-31	SANS 5862-1:1994 (SABS SM 862-1) SANS 5862-2:1994 (SABS SM 862-2) SANS 5862-3:1994 (SABS SM 862-3) SANS 5862-4:1994 (SABS SM 862-4)
SABS 863		1977	2	1986-03-13	
SABS 864		1977	2	1986-03-13	
SABS SM 866		1988	2	1993-11-01	SANS 57:1989 (SABS ISO 679)
SABS 867		1978	2	2000-08-25	
SABS 868		1967	1	1997-06-02	SANS 868-1:1997 (SABS 868-1) SANS 868-2:1997 (SABS 868-2)
SABS 868-1	(SANS 868-1) 1997	2	2005-04-22	SANS 868-1-1:2005 SANS 868-1-2:2005 SANS 868-1-3:2005
SABS 868-2	(SANS 868-2) 1997	2	2005-01-21	SANS 868-1-1:2005 SANS 868-1-2:2005 SANS 868-1-3:2005
SABS 868-2	(SANS 868-2) 2005	3	2005-04-22	SANS 868-4:2005
SABS 869	(SANS 869)	1976	2	2007-11-23	
SABS 870	(SANS 870)	2008	1.04	2009-06-19	
SABS SM 871	(SANS 5871)	1976	1	2005-01-14	SANS 4662:2003
SABS 872		1967	1	1979-02-28	SABS 1186:1978
SABS SM 874	(SANS 5874)	1976	1	2007-02-16	SANS 1132:2003
SABS 874		1973	1	1974-03-22	VC 8021:1974
SABS 875		1971	2	1984-03-07	SANS 1401-15:1983 (SABS 1401-15) SANS 1401-1:1983 (SABS 1401-1)
SABS 876		1976	2	1988-06-08	SANS 1460:1988 (SABS 1460)
SABS SM 877	(SANS 5877)	1976	1	2007-02-16	SANS 54:2003
SABS SM 878	(SANS 5878)	1976	1	2007-02-16	SANS 11432:2003
SABS 879		1967	1	1984-03-07	SANS 1387-10:1983 (SABS 1387-10) SANS 1387-1:1983 (SABS 1387-1)
SABS SM 879	(SANS 5879)	1976	1	2007-05-25	
SABS 880		1972	1	1986-03-13	
SABS SM 881	(SANS 5881)	1976	1	2007-02-16	SANS 11407:2003
SABS 881		1972	1	1986-03-13	
SABS SM 882	(SANS 5882)	1976	1	2007-02-16	SANS 11817:2003
SABS 882		1972	1	1986-03-13	
SABS 883		1972	1	1986-03-13	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
		1072		1096 02 12	
SADS 004		1972	1	1900-03-13	
SABS 880		1967	1	1963-06-08	
SADS SIM 007		1978	1	1994-11-20	
SABS SM 888	(0.4.1)0.000)	1978	1	1994-11-20	CANC 1010/2002
SABS 889	(SANS 889)	1992	3	2005-08-26	SANS 1910.2003
SABS 890		1977	1	1995-05-15	SANS 890-2.1995 (SABS 890-2) SANS 890-1:1995 (SABS 890-1)
SABS SM 890	(SANS 5890)	1977	1	2004-05-28	
SABS SM 892	, , , , , , , , , , , , , , , , , , ,	1978	1	1999-09-23	
SABS 893		1972	2	1993-06-07	CKS 625:1991
SABS SM 893		1978	1	1999-09-23	
SABS 894		1968	1	1974-05-29	SANS 40:1973 (SABS 40)
SABS SM 894	(SANS 5894)	1978	1	2004-05-28	
SABS SM 895	(SANS 5895)	1977	1	2004-05-28	
SABS SM 896	(SANS 5896)	1981	2	2004-05-28	
SABS SM 897		1981	1	1996-05-27	SANS 60811-2-1:1986 (SABS IEC 60811-2-1) SANS 6284-1:1999 (SABS SM 1284-1)
SABS 898		1980	3	2002-04-15	SANS 10206:1987 (SABS 0206) SANS 10304-1:2002 (SABS 0304-1)
SABS SM 898		1981	1	1999-08-27	SANS 6284-1:1999 (SABS SM 1284-1)
SABS SM 899	(SANS 5899)	2007	3	2009-06-12	
SABS SM 899	(SANS 5899)	1978	1	1983-03-02	
SABS SM 900	(SANS 5900)	1983	2	2009-05-22	
SABS 900	(SANS 900)	1970	2	2004-05-28	
SABS SM 901	(SANS 5901)	1978	1	2009-05-22	
SABS SM 902	(SANS 5902)	1978	1	2009-05-22	
SABS SM 903	(SANS 5903)	1978	1	2009-05-22	
SABS 904	,	1968	1	1986-03-13	
SABS SM 904	(SANS 5904)	1979	1	2009-05-22	
SABS 905	(SANS 905)	1968	1	2006-12-08	
SABS SM 905	(SANS 5905)	1978	1	2009-05-22	
SABS SM 906	(SANS 5906)	1978	1	2009-07-10	
SABS SM 907	(SANS 5907)	1978	1	2009-05-22	
SABS 908	(SANS 908)	1968	1	2005-07-15	SANS 60439-5:1998 (SABS IEC 60439-5)
SABS 909		1972	2	1995-03-06	
SABS SM 909	(SANS 5909)	1979	1	2009-05-22	
SABS 910		1972	2	1998-02-23	
SABS SM 911	(SANS 5911)	1979	1	2009-05-22	
SABS SM 912	(SANS 5912)	1979	1	2009-05-22	
SABS 912	(SANS 912)	1972	2	2006-08-11	
SABS SM 913	(SANS 5913)	1980	1	2009-05-22	
SABS SM 914	(SANS 5914)	1980	1	2009-05-22	
SABS SM 915	(SANS 5915)	1980	1	2009-03-13	
SABS SM 916	(SANS 5916)	1980	1	2009-03-13	
SABS SM 917	(SANS 5917)	1980	1	2009-03-13	
SABS SM 918	(SANS 5918)	1980	1	2009-03-13	
SABS 918		1968	1	1970-11-25	
SABS 919		1970	2	1984-11-07	SANS 1375:1983 (SABS 1375)
SABS SM 919	(SANS 5919)	1980	1	2009-03-13	
SABS SM 920	(SANS 5920)	1980	1	2009-03-13	
SABS SM 921	(SANS 5921)	1978	1	2008-06-13	
SABS 922		1971	2	1982-05-19	SANS 1280:1980 (SABS 1280) SANS 1272:1979 (SABS 1272) SANS 1351:1982 (SABS 1351)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
	(CANC 5000)	1070		2008 06 27	
SABS SM 922	(SANS 5922)	1978	1	2008-06-27	SANS 1401 7:1092 (SABS 1401 7)
SABS 923		1971	2	1964-03-07	SANS 1401-7.1983 (SABS 1401-7) SANS 1401-1:1983 (SABS 1401-1)
SABS SM 923	(SANS 5923)	1978	1	2008-06-27	
SABS SM 926	(SANS 5926)	1995	2	2008-06-06	SANS 131:1997 (SABS ISO 1171)
SABS 926	(SANS 926)	1968	1	2007-08-17	
SABS SM 927		1978	1	1999-05-28	SANS 50:1998 (SABS ISO 562)
SABS SM 928	(SANS 5928)	1978	1	2008-03-28	
SABS 928		1969	1	1985-11-06	
SABS SM 929		1978	1	1996-06-03	SANS 1928:1995 (SABS ISO 1928)
SABS SM 930		1978	1	1996-06-03	SANS 334:1992 (SABS ISO 334)
SABS SM 931		1980	1	1999-11-19	
SABS 931		1969	1	1985-11-06	
SABS SM 932		1978	1	1999-11-19	
SABS 932		1968	1	1973-05-26	SANS 932-1:1973 (SABS 932-1)
SABS 932-1	(SANS 932-1)	1973	2	2002-11-15	
SABS 932-2	(SANS 932-2)	1980	1	2002-11-15	
SABS SM 933	(SANS 5933)	1978	1	2008-03-28	
SABS SM 934	(SANS 5934)	1979	1	2008-03-28	
SABS 934		1969	1	1998-07-03	SANS 3575:1996 (SABS ISO 3575) SANS 4998:1996 (SABS ISO 4998)
SABS 935	(SANS 935)	2007	2.01	2011-12-01	SANS 10244-2:2011
SABS SM 935		1982	1	2000-01-28	SANS 335:1974 (SABS ISO 335)
SABS SM 936		1979	1	1999-11-19	
SABS SM 937	(SANS 5937)	2000	1.01	2008-03-28	
SABS SM 938	(SANS 5938)	1980	1	2008-03-28	
SABS SM 940	(SANS 5940)	1980	1	2008-06-27	
SABS 941		1969	1	1996-12-09	
SABS SM 942		1982	1	1999-11-19	
SABS SM 943		2000	1.01	2001-11-01	SANS 333:1996 (SABS ISO 333)
SABS 944		1969	1	1995-09-18	
SABS 945		1969	1	1993-09-27	SANS 945-1:1993 (SABS 945-1)
SABS 946		1969	1	1985-05-22	SANS 1223:1985 (SABS 1223)
SABS SM 948		1981	1	1999-04-09	
SABS 948-0		1994	1	1999-03-12	SANS 1804-1:1998 (SABS 1804-1)
SABS 948		1969	1	1978-06-07	SABS 948-1:1978
SABS 948-1		1978	1	1999-05-14	SANS 1804-2:1998 (SABS 1804-2)
SABS 948-2		1980	1	1999-05-14	SANS 1804-3:1998 (SABS 1804-3)
SABS 948-4		1985	1	1999-03-12	SANS 1804-1:1998 (SABS 1804-1)
SABS SM 950		1981	1	1999-04-09	SANS 6289:1999 (SABS SM 1289)
SABS SM 951		1981	1	1997-07-21	SANS 6284-1:1999 (SABS SM 1284-1)
SABS 952	(SANS 952)	1985	2	2012-05-18	SANS 952-1:2011 SANS 952-2:2011
SABS SM 952		1981	1	1999-10-29	SANS 6284-2:1999 (SABS SM 1284-2)
SABS 953		1990	2	2000-10-20	SANS 953-1:2000 (SABS 953-1)
SABS SM 953		1981	1	1999-10-29	SANS 6284-2:1999 (SABS SM 1284-2)
SABS SM 954		1981	1	1997-07-21	SANS 60811-4-2:1990 (SABS IEC 60811-4-2) SANS 6284-1:1999 (SABS SM 1284-1)
SABS SM 955		1990	2	2000-02-18	
SABS 956		1969	1	1989-02-27	
SABS 957		1969	1	1989-02-27	
SABS SM 958	(SANS 5958)	1978	1	2004-05-28	
SABS 958	(SANS 958)	1999	3	2008-05-23	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 959		1982	2	2001-10-05	
SABS SM 959	(SANS 5959)	1980	1	2009-05-22	
SABS 960	(0,	1969	1	1994-08-15	
SABS SM 960	(SANS 960)	1981	1	1983-03-01	
SABS SM 961	(1980	1	1980-11-05	SANS 10177-4:1981 (SABS 0177-4)
					SANS 10177-5:1981 (SABS 0177-5)
					SANS 10177-3:1981 (SABS 0177-3)
					SANS 10177-2:1981 (SABS 0177-2)
SABS 961		1969	1	1994-08-15	
SABS 962		1978	1	1997-10-06	SANS 962-1:1997 (SABS 962-1) SANS 962-2:1997 (SABS 962-2)
SABS 963	(SANS 963)	2001	1.02	2006-07-21	
SABS SM 963		1978	1	1980-11-05	SANS 10177-7:1991 (SABS 0177-7)
					SANS 10177-1:1991 (SABS 0177-1)
					SANS 10177-4:1981 (SABS 0177-4)
					SANS 10177-3:1981 (SABS 0177-3) SANS 10177-3:1081 (SABS 0177-3)
					SANS 10177-2:1981 (SABS 0177-2)
					SANS 10177-6:1983 (SABS 0177-6)
SABS SM 964		1979	1	1980-11-05	SANS 10177-7:1991 (SABS 0177-7)
					SANS 10177-1:1991 (SABS 0177-1)
					SANS 10177-4:1981 (SABS 0177-4)
					SANS 10177-5:1981 (SABS 0177-5)
					SANS 10177-3:1981 (SABS 0177-3) SANS 10177-2:1081 (SABS 0177-2)
					SANS 10177-6:1983 (SABS 0177-6)
SABS 966		1976	2	1998-07-14	SANS 966-1:1998 (SABS 966-1)
SABS 968		1970	1	1983-06-08	, , , , , , , , , , , , , , , , , , ,
SABS SM 968	(SANS 5968)	1987	1	2008-05-23	SANS 440:2008 (SABS 440)
SABS 969	(,	1970	1	2002-02-11	SANS 61241-1-1:1999 (SABS IEC 61241-1-1)
SABS 970		1971	1	2002-02-11	SANS 60079-15:2001 (SABS IEC 60079-15)
SABS SM 971	(SANS 5971)	1978	1	2006-05-05	
SABS SM 972	,	1979	1	1999-04-16	SANS 6282-2:1999 (SABS SM 1282-2)
SABS 972		1970	1	1988-03-09	SANS 972-2:1988 (SABS 972-2)
					SANS 972-1:1988 (SABS 972-1)
SABS 973		1970	1	1981-03-04	SANS 10100-2:1980 (SABS 0100-2)
SABS SM 974		1979	1	1999-04-16	SANS 6282-2:1999 (SABS SM 1282-2)
SABS 974-1	(SANS 974-1)) 1986	2	2009-12-11	SANS 4633:2008
SABS SM 975		1979	1	1999-04-16	SANS 6282-2:1999 (SABS SM 1282-2)
SABS 976		1986	2	1994-11-07	
SABS 978	(SANS 978)	2008	3.01	2009-05-15	
SABS 979	(SANS 979)	2006	2	2008-08-22	
SABS SM 979	(SANS 5979)	1979	1	2008-03-14	SANS 5981:2008 (SABS SM 981)
SABS 980		1969	1	1986-03-13	
SABS 983		1970	1	1991-11-15	
SABS 984		1976	2	1991-11-15	
SABS 987		1970	1	1984-08-22	SANS 1215:1984 (SABS 1215)
SABS 988	(SANS 988)	2007	1.04	2009-08-21	SANS 2398:2008
SABS 989	(SANS 989)	1994	2	2005-08-26	SANS 51676:1996 (SABS EN 1676)
SABS 990		1970	1	1995-03-27	SANS 991:1994 (SABS 991)
SABS 994		1970	1	1984-03-07	
SABS SM 995	(SANS 5995)	1994	2	2009-05-15	
SABS 997		1976	2	1979-02-28	SABS 966:1976
SABS SM 998	(SANS 5998)	1980	1	2004-07-23	
SABS 1000-1	(SANS 1000- 1)	1973	1	2007-04-20	SANS 20108:1998 (SABS ECE R 108) SANS 20109:1998 (SABS ECE R 109)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 1000-3	(SANS 1000- 3)	1977	1	2007-04-20	SANS 20108:1998 (SABS ECE R 108) SANS 20109:1998 (SABS ECE R 109)
SABS 1000-4	(SANS 1000- 4)	1973	1	2006-04-07	SANS 20108:1998 (SABS ECE R 108) SANS 1926:2005
SABS 1000-5	(SANS 1000- 5)	1974	1	2007-04-20	SANS 20108:1998 (SABS ECE R 108) SANS 20109:1998 (SABS ECE R 109)
SABS 1000-6	(SANS 1000- 6)	1974	1	2007-04-20	SANS 20108:1998 (SABS ECE R 108) SANS 20109:1998 (SABS ECE R 109)
SABS 1000-7	(SANS 1000- 7)	1979	1	2006-04-07	SANS 20109:1998 (SABS ECE R 109) SANS 1925:2005
SABS SM 1003	(SANS 6003)	1979	1	2006-05-05	
SABS SM 1006	(SANS 6006)	1979	1	2004-11-05	SANS 147:1986 (SABS ISO 1763)
SABS 1007		1973	1	1986-08-13	SANS 1065-1:1985 (SABS 1065-1) SANS 1065-2:1986 (SABS 1065-2)
SABS 1009		1974	1	1993-02-25	SANS 8187:1991 (SABS ISO 8187) SANS 5155:1983 (SABS ISO 5155) SANS 7371:1985 (SABS ISO 7371)
SABS SM 1010	(SANS 6010)	1979	1	2006-05-05	
SABS 1011	(SANS 1011)	2007	1.02	2012-03-16	SANS 52413:2010
SABS 1013		1974	1	2001-07-27	SANS 1851:2000 (SABS 1851)
SABS 1014		1974	1	2001-07-27	SANS 1851:2000 (SABS 1851)
SABS SM 1014		1980	1	1999-02-05	
SABS 1016		1974	1	1997-09-22	SANS 142:1997 (SABS 142)
SABS SM 1017		1980	1	2000-08-25	
SABS 1017 SET			1	2002-12-17	SANS 1017:2002 (SABS 1017) SANS 1018:2001 (SABS 1018)
SABS SM 1020		1980	1	1999-02-05	
SABS SM 1021		1980	1	2000-05-11	
SABS SM 1022		1980	1	2000-08-25	
SABS SM 1023	(SANS 6023)	1984	1	2007-07-13	
SABS 1023	(SANS 1023)	1975	1	2005-01-14	SANS 4635:2004
SABS SM 1024	(SANS 6024)	1984	1	2007-01-26	SANS 1384:2006 (SABS 1384)
SABS 1025		1975	1	2002-02-11	SANS 1858:2002 (SABS 1858)
SABS SM 1029	(SANS 6029)	2005	2	2009-12-04	
SABS 1030	(SANS 1030)	1975	1	2004-06-24	SANS 1029:2004 (SABS 1029)
SABS SM 1030	(SANS 6030)	2005	1.01	2011-03-25	
SABS 1031		1994	2	2002-02-11	SANS 60079-7:1990 (SABS IEC 60079-7)
SABS 1035		1975	1	1999-07-22	SANS 60137:1995 (SABS IEC 60137)
SABS SM 1035	(SANS 6035)	2005	1.01	2010-05-07	SANS 10183-1:2009 SANS 10183-2:2009 SANS 10183-2:2009
					SANS 10183-3-1:2009 SANS 10183-3-2:2009 SANS 10183-3-3:2009 SANS 10183-4-1:2009 SANS 10183-4-2:2009 SANS 10183-4-3:2009 SANS 10183-4-4:2009 SANS 10183-4-5:2009 SANS 10183-4-7:2010 SANS 10183-4-6:2010
SABS 1036		1976	1	2000-07-21	SANS 60233:1974 (SABS IEC 60233)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 1036	(SANS 6036)) 2005	1.01	2010-05-07	SANS 10183-1:2009
		, ,			SANS 10183-2:2009
					SANS 10183-3-1:2009
					SANS 10183-3-2:2009
					SANS 10183-3-3:2009
					SANS 10183-4-1:2009
					SANS 10183-4-2:2009
					SANS 10183-4-3:2009
					SANS 10183-4-4:2009
					SANS 10183-4-5:2009
					SANS 10183-4-7:2010
					SANS 10183-4-6:2010
SABS SM 1037	(SANS 6037)	2005	1 01	2010-04-23	SANS 10183-1:2009
		, 2005	1.01	2010 04 20	SANS 10183-2:2009
					SANS 10183-3-1:2009
					SANS 10183-3-2:2009
					SANS 10183-3-3:2009
					SANS 10183-4-1:2009
					SANS 10183-4-2:2009
					SANS 10183-4-3:2009
					SANS 10183-4-0:2009
					SANS 10183-4-5:2009
					SANS 10183-4-7:2010
					SANS 10183-4-6:2010
CADC CM 1000		000F	1.01	2010 04 22	SANS 10182 1:2000
SADS SIVI 1030	(SANS 6036)	2005	1.01	2010-04-23	SANS 10183-1.2009 SANS 10183-2:2009
					SANS 10103-2.2009 SANS 10102 2 1:2000
					SANS 10183-3-1.2009
					SANS 10103-3-2.2009 SANS 10102-3-2.2009
					SANS 10183-3-3.2009 SANS 10182 / 1:2000
					SANS 10183-4-1.2009
					SANS 10183-4-2.2009
					SANS 10183-4-3.2009 SANS 10183 / 4:2000
					SANS 10103-4-4.2009 SANS 10192 4 5:2000
					SANS 10103-4-3.2009 SANS 10192 / 7:2010
					SANS 10103-4-7.2010
0400 014 4000		0005		0010 04 00	SANS 10183-4-0.2010
SABS SM 1039	(SANS 6039)) 2005	1.01	2010-04-30	SANS 10183-1.2009
					SANS 10183-2.2009
					SANS 10183-3-1.2009 SANS 10182-2-2:2000
					SANS 10183-3-2.2009
					SANS 10183-3-3.2009
					SANS 10183-4-1.2009 SANS 10183 4 0:2000
					SANS 10103-4-2.2009 SANS 10192 4 2:2009
					SANS 10103-4-3.2009
					SANS 10103-4-4.2009
					SANS 10103-4-3.2009 SANS 10103 4 7:0010
					SANS 10183-4-7.2010
0400 004 4040		0005		0010 01 00	SANS 10103-4-0.2010
SABS SM 1040	(SANS 6040)) 2005	1.01	2010-04-30	SANS 10183-1:2009
					SANS 10183-2:2009
					SANS 10103-3-1.2003
					SANS 10183-3-2:2009
					SANS 10183-3-3:2009
					SANS 10183-4-1:2009
					SANS 10183-4-2:2009
					SANS 10183-4-3:2009
					SANS 10183-4-4:2009
					SANS 10183-4-5:2009
					SANS 10183-4-7:2010
					SANS 10183-4-6:2010

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 1041	(SANS 6041)	2008	2 01	2010-04-09	SANS 10183-1:2009
		2000	2.01	2010 01 00	SANS 10183-2:2009
					SANS 10183-3-1:2009
					SANS 10183-3-2:2009
					SANS 10183-3-3:2009
					SANS 10183-4-1:2009
					SANS 10183-4-2:2009
					SANS 10183-4-3:2009
					SANS 10183-4-4:2009
					SANS 10183-4-5:2009
					SANS 10183-4-7:2010
					SANS 10183-4-6:2010
SABS SM 1042	(SANS 6042)	2005	1.01	2010-05-07	SANS 10183-1:2009
					SANS 10183-2:2009
					SANS 10183-3-1:2009
					SANS 10183-3-2:2009
					SANS 10183-3-3:2009
					SANS 10183-4-1.2009
					SANS 10183-4-2:2009
					SANS 10103-4-3.2009 SANS 10183-4-4.2009
					SANS 10183-4-5:2009
					SANS 10183-4-7:2010
					SANS 10183-4-6:2010
SARS SM 1043	(SANS 6043)	2005	2	2010-04-09	SANS 10183-1:2009
	(0410 0040)	2000	2	2010 04 00	SANS 10183-2:2009
					SANS 10183-3-1:2009
					SANS 10183-3-2:2009
					SANS 10183-3-3:2009
					SANS 10183-4-1:2009
					SANS 10183-4-2:2009
					SANS 10183-4-3:2009
					SANS 10183-4-4:2009
					SANS 10183-4-5:2009
					SANS 10183-4-7:2010
					SANS 10183-4-6:2010
SABS SM 1045	(SANS 6045)	2007	2	2010-04-09	SANS 10183-1:2009
					SANS 10183-2:2009
					SANS 10183-3-1:2009
					SANS 10103-3-2.2009
					SANS 10103-3-3.2009 SANS 10183-4-1-2000
					SANS 10183-4-2:2009
					SANS 10183-4-3:2009
					SANS 10183-4-4:2009
					SANS 10183-4-5:2009
					SANS 10183-4-7:2010
					SANS 10183-4-6:2010
SABS 1045	(SANS 1045)	2000	1.02	2008-01-18	
SABS SM 1046	(SANS 6046)	2005	1.01	2012-03-16	
SARS 1048	(1977	1	2000-07-28	SANS 1440:1987 (SABS 1440)
		1077	4	2000 07 28	SANS 1443-1987 (SARS 1443)
CADC 1049		1077	і 4	1090 02 07	CARC 105/-1001
SABS 1050		1977	1	1969-02-27	SABS 1034.1961
SABS SV 1051-4	(SANS 1051- 4)	1980	2	2006-05-19	SANS 1051-4:2006 (SABS SV 1051-4)
SABS 1052		1979	1	2000-07-28	SANS 1429:1987 (SABS 1429)
SABS SM 1052	(SANS 6052)	1982	1	2005-11-21	SANS 7393-1:2005
					SANS 7393-2:2005
					SANS 7393-3:2005
SABS 1053		1979	1	2000-07-28	SANS 1430:1987 (SABS 1430)
Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
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SABS 1054		1981	1	2000-07-28	SANS 1436:1989 (SABS 1436)
SABS 1057	(SANS 1057)	1983	1	2007-03-09	SANS 9187-1:2007
SABS SM 1057	(SANS 6057)	1982	1	2005-03-18	SANS 7888:2005
SABS SM 1058	(SANS 6058)	1982	1	2005-03-18	SANS 377:2005
SABS 1059		1985	1	1995-10-02	
SABS 1061	(SANS 1061)	1985	1	2002-11-22	
SABS SM 1062		1984	1	1995-07-10	SANS 60060-1:1989 (SABS IEC 60060-1)
SABS SM 1063		1985	1	1999-11-19	SANS 60060-1:1989 (SABS IEC 60060-1) SANS 60060-2:1994 (SABS IEC 60060-2)
SABS 1064	(SANS 1064)	1994	2	2006-02-16	
SABS SM 1064		1984	1	1999-11-19	SANS 60060-1:1989 (SABS IEC 60060-1) SANS 60060-2:1994 (SABS IEC 60060-2)
SABS SM 1065		1985	1	1999-11-19	SANS 60060-1:1989 (SABS IEC 60060-1) SANS 60060-2:1994 (SABS IEC 60060-2)
SABS 1065-1	(SANS 1065- 1)	1985	1	2003-12-05	SANS 61386-1:1996 (SABS IEC 61386-1) SANS 61386-23:2003 SANS 61386-21:2003
SABS 1065-2	(SANS 1065- 2)	1986	1	2003-12-05	SANS 61386-1:1996 (SABS IEC 61386-1) SANS 61386-23:2003 SANS 61386-21:2003
SABS 1066		1985	1	1999-06-25	
SABS SM 1066		1985	1	1999-11-19	SANS 60060-1:1989 (SABS IEC 60060-1) SANS 60060-2:1994 (SABS IEC 60060-2)
SABS SM 1067		1985	1	1999-11-19	SANS 60060-1:1989 (SABS IEC 60060-1) SANS 60060-2:1994 (SABS IEC 60060-2)
SABS SM 1068		1984	1	1999-11-19	SANS 60060-1:1989 (SABS IEC 60060-1) SANS 60060-2:1994 (SABS IEC 60060-2)
SABS 1068	(SANS 1068)	2008	1.03	2011-12-01	SANS 434:2011 (SABS 434)
SABS 1069		1985	1	1993-11-22	SANS 1069-1:1993 (SABS 1069-1)
SABS 1069-1	(SANS 1069- 1)	1993	2	2003-02-21	SANS 300086:2002
SABS 1070	(SANS 1070)	1985	1	2009-08-21	
SABS 1071		1981	1	1991-07-12	VC 8022:1991
SABS SM 1071		1990	2	1995-10-02	SANS 6265:1995 (SABS SM 1265)
SABS 1072		1983	1	1992-06-05	VC 8023:1992
SABS SM 1073	(SANS 6073)	1984	1	2011-02-18	SANS 647:1974 (SABS ISO 647)
SABS 1073		1982	1	1991-07-12	
SABS 1074		1982	1	1992-08-07	VC 8025:1992
SABS SM 1074		1983	1	1999-11-19	
SABS 1075		1985	1	1992-11-20	VC 8026:1992
SABS 1076		1983	1	1992-11-20	VC 8027:1992
SABS SM 1078		1983	1	2001-11-01	SANS 5074:1994 (SABS ISO 5074)
SABS 1078	(SANS 1078)	1984	1	2004-07-02	SANS 20028:1972 (SABS ECE R 28)
SABS SM 1079	(SANS 6079)	1983	1	2008-09-19	
SABS 1079		1984	1	1999-01-21	SANS 1700-15-1:1998 (SABS 1700-15-1) SANS 1700-15-2:1998 (SABS 1700-15-2) SANS 1700-15-3:1998 (SABS 1700-15-3) SANS 1700-15-4:1998 (SABS 1700-15-4)
					SANS 1700-15-5:1998 (SABS 1700-15-5) SANS 1700-15-6:1998 (SABS 1700-15-6) SANS 1700-15-7:1998 (SABS 1700-15-7) SANS 1700-15-8:1998 (SABS 1700-15-8) SANS 1700-15-9:1998 (SABS 1700-15-9) SANS 1700-15-10:1998 (SABS 1700-15-10) SANS 1700-15-11:1998 (SABS 1700-15-11)
SABS SM 1080	(SANS 6080)	1994	2	2011-05-06	SANS 1700-15-12:1998 (SABS 1700-15-12) SANS 11640:2011

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 1081	(SANS 1081)	2001	2	2010-07-09	SANS 1853:2009 (SABS 1853)
SABS 1084	(1976	1	1998-08-06	· · · · · · · · · · · · · · · · · · ·
SABS 1085	(SANS 1085)	1978	1	1980-11-05	SABS 1085-1:1980
SABS 1085-1	()	1980	2	1998-06-03	SANS 1085:1998 (SABS 1085)
SABS 1087	(SANS 1087)	1985	1	2006-08-18	SANS 20090:2003 (SABS ECE R 90)
0.120 1001	(0/0				SANS 10310:2005 (SABS 0310)
SABS SM 1087		1990	1	1999-10-29	SANS 6284-2:1999 (SABS SM 1284-2)
SABS 1089		1976	1	1988-08-19	SANS 1460:1988 (SABS 1460)
SABS 1092		1977	1	1995-08-14	
SABS 1093		1976	1	1988-03-09	SANS 1444-1:1987 (SABS 1444-1)
SABS 1094		1976	1	1988-03-09	SANS 1444-1:1987 (SABS 1444-1)
0/1004		1070			SANS 1444-7:1987 (SABS 1444-7)
					SANS 1444-8:1987 (SABS 1444-8)
SABS 1095		1976	1	1988-03-09	SANS 1444-1:1987 (SABS 1444-1)
SABS 1096		1976	1	1988-03-09	SANS 1444-1:1987 (SABS 1444-1)
SABS 1097		1976	1	1982-01-01	SABS 1359:1982
SABS 1098		1976	1	1982-01-01	SABS 1359:1982
SABS SM 1099	(SANS 6099)	1987	1	2008-08-22	
SABS 1101		1976	1	1983-06-08	SANS 1375:1983 (SABS 1375)
SABS SM 1102		1987	1	2002-01-31	
SABS 1102		1975	1	1976-09-03	VC 8028:1976
SABS 1103		1976	1	1993-05-12	SANS 115-1:1984 (SABS ISO 385-1)
					SANS 115-3:1984 (SABS ISO 385-3)
CARC 1104		1077		1002 05 12	SANS 113-2.1984 (SADS ISO 303-2)
SADS 1104		1977	1	1993-05-12	SANS 112.1977 (SADS ISO 046)
SABS 1105		1977	I	1993-03-12	SANS 111-2:1981 (SABS ISO 835-2)
					SANS 111-3:1981 (SABS ISO 835-3)
					SANS 111-1:1981 (SABS ISO 835-1)
SABS 1106		1977	1	1993-05-12	SANS 4788:1980 (SABS ISO 4788)
SABS 1107		1977	1	1993-05-12	SANS 128:1983 (SABS ISO 1042)
SABS 1109		1976	1	1990-08-23	SANS 1109-2:1990 (SABS 1109-2)
					SANS 1109-1:1990 (SABS 1109-1)
SABS 1114-1		1983	2	1995-02-13	SANS 1114:1995 (SABS 1114)
SABS 1114-2		1983	2	1995-02-13	SANS 1114:1995 (SABS 1114)
SABS 1114-3		1983	2	1995-02-13	SANS 1114:1995 (SABS 1114)
SABS 1114-4		1983	2	1995-02-13	SANS 1114:1995 (SABS 1114)
SABS 1118-5		1983	2	1998-06-03	
SABS 1118-8		1983	2	1991-11-15	
SABS 1119	(SANS 1119)	1976	1	2006-04-13	SANS 475:2006
SABS 1121		1976	1	1994-05-30	SABS ISO 5395:1990
SABS 1122	(SANS 1122)	1976	1	2005-09-23	
SABS 1124		1983	2	1998-10-02	SANS 1124-2:1998 (SABS 1124-2) SANS 1124-1:1998 (SABS 1124-1)
SABS SM 1127		1992	2	1999-02-05	
SABS 1132		1977	1	1994-11-21	
SABS SM 1132	(SANS 6132)	1989	1	2011-05-06	SANS 23910:2010
SABS 1133		1977	1	1994-11-21	
SABS 1134		1977	1	1994-11-21	
SABS 1135		1977	1	1994-11-21	
SABS 1136		1977	1	2000-02-11	
SABS 1137		1977	1	1999-12-17	
SABS SM 1137		1990	1	2000-02-18	SANS 6286:2000 (SABS SM 1286)
SABS 1138	(SANS 1138)	2000	2	2007-07-20	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 1139	(SANS 6139)	1990	1	2007-07-27	SANS 60332-3-10:2000 (SABS IEC 60332-3-10) SANS 60332-3-21:2000 (SABS IEC 60332-3-21) SANS 60332-3-22:2000 (SABS IEC 60332-3-22) SANS 60332-3-23:2000 (SABS IEC 60332-3-23)
					SANS 60332-3-24:2000 (SABS IEC 60332-3-24)
SABS 1139	(SANS 1139)	2000	2	2007-07-20	SANS 60332-3-25:2000 (SABS IEC 60332-3-25)
SABS 1140		1977	-	1997-02-17	
SABS SM 1140	(SANS 6140)	1990	1	2007-07-27	SANS 61034-1:2006 (SABS IEC 61034-1) SANS 61034-2:2006 (SABS IEC 61034-2)
SABS 1141	(SANS 1141)	2007	1.03	2009-08-14	SANS 576:2008
SABS 1142	(SANS 1142)	1979	1	2013-02-22	SANS 868-3-1:2012 SANS 868-3-2:2012 SANS 868-3-3:2012
SABS SM 1143		1989	1	1999-12-17	
SABS SM 1144	(SANS 6144)	1989	1	2006-06-02	SANS 53631-14:2006
SABS SM 1145		1989	1	1999-12-17	
SABS 1146		1977	1	1998-09-03	SANS 1783-2:1997 (SABS 1783-2) SANS 1783-1:1997 (SABS 1783-1)
SABS 1149	(SANS 1149)	1977	1	2005-06-10	SANS 1703-11:997 (SABS 1783-1) SANS 1700-16-1:2003 SANS 1700-16-2:2003 SANS 1700-16-3:2003 SANS 1700-16-4:2003 SANS 1700-16-5:2003 SANS 1700-16-9:2004 SANS 1700-16-10:1996 (SABS 1700-16-10) SANS 1700-16-6:2003 (SABS 1700-16-6) SANS 1700-16-6:2003 (SABS 1700-16-7) SANS 1700-16-15:2003 SANS 1700-16-15:2003 SANS 1700-16-17:2003 SANS 1700-16-17:2003
SABS SM 1153	(SANS 6153)	1989	1	2006-06-02	
SABS 1153		1977	1	1986-03-13	
SABS 1154	(SANS 1154)	1977	1	2005-08-05	
SABS 1155	(SANS 1155)	1977	1	2003-09-05	SANS 68:2003
SABS SM 1156	(SANS 6156)	2009	2.01	2012-09-28	SANS 50450-1:2011 SANS 50450-2:2011
SABS SM 1157	(SANS 6157)	2007	2	2013-03-15	SANS 50451-2:2011
SABS 1157-1	. ,	1978	1	1994-11-21	
SABS 1157-2		1978	1	1994-11-21	
SABS 1157-3		1978	1	1994-11-21	
SABS 1157-4		1978	1	1994-11-21	
SABS 1157-5		1978	1	1994-11-21	
SABS 1157-6		1978	1	1994-11-21	
SABS 1157-7		1978	1	1994-11-21	
SABS 1157-8		1978	1	1994-11-21	
SABS 1157-9		1978	1	1994-11-21	
SABS 1157-10		1978	1	1994-11-21	
SABS 1157-11		1978	1	1994-11-21	
SABS 1157-12		1978	1	1994-11-21	
SABS 1157-13		1978	1	1994-11-21	
SABS 1157-14		1978	1	1994-11-21	
SABS 1158		1977	1	1997-11-10	
SABS 1160		1977	1	1999-03-19	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 1161		1996	2	2000-07-14	SANS 60254-1:1997 (SABS IEC 60254-1)
SABS SM 1161	(SANS 6161)	2005	2	2012-01-27	
SABS 1162		1977	1	1983-01-01	SANS 2:1983 (SABS 2)
SABS SM 1162	(SANS 6162)	1989	1	2003-07-18	SANS 51413:2003
SABS 1164	()	1977	1	1992-11-11	
SABS SM 1165	(SANS 6165)	1990	1	2003-01-10	
SABS 1165	(,	1977	1	1999-09-23	
SABS 1167-1		1983	2	1995-02-13	SANS 1167:1995 (SABS 1167)
SABS 1167-2		1983	2	1995-02-13	SANS 1167:1995 (SABS 1167)
SABS 1167-3		1983	2	1995-02-13	SANS 1167:1995 (SABS 1167)
SABS 1168-1		1983	2	1995-02-13	SANS 1168:1995 (SABS 1168)
SABS 1168-2		1983	2	1995-02-13	SANS 1168:1995 (SABS 1168)
SABS 1168-3		1983	2	1995-02-13	SANS 1168:1995 (SABS 1168)
SABS 1179	(SANS 1179)	1977	1	2010-04-09	SANS 5433:2010
SABS 1180-1		1978	1	1997-10-14	SANS 1765:1997 (SABS 1765)
SABS 1180-2		1979	1	1997-10-14	SANS 1765:1997 (SABS 1765)
SABS 1180-3		1980	1	1997-10-14	SANS 1765:1997 (SABS 1765)
SABS 1181-1		1978	1	1999-06-04	SANS 60317-12:1990 (SABS IEC 60317-12) SANS 60317-0-1:1997 (SABS IEC 60317-0-1)
SABS 1181-2		1978	1	1999-06-04	SANS 60317-4:1990 (SABS IEC 60317-4) SANS 60317-0-1:1997 (SABS IEC 60317-0-1)
SABS 1181-3		1978	1	1999-06-04	SANS 60317-13:1990 (SABS IEC 60317-13) SANS 60317-0-1:1997 (SABS IEC 60317-0-1)
SABS SM 1184	(SANS 6184)	1992	1	2004-03-05	SANS 10361:2000 (SABS ISO/TR 10361)
SABS 1184		1978	1	1988-03-09	SANS 1444-5:1987 (SABS 1444-5) SANS 1444-1:1987 (SABS 1444-1) SANS 1444-4:1987 (SABS 1444-4) SANS 1444-3:1987 (SABS 1444-3) SANS 1444-7:1987 (SABS 1444-7) SANS 1444-8:1987 (SABS 1444-8)
SABS 1185		1978	1	1994-09-12	SANS 60136:1986 (SABS IEC 60136)
SABS SM 1185	(SANS 6185)	1992	1	2004-03-05	SANS 4918:1990 (SABS ISO/TR 4918)
SABS 1186		1993	2	1998-03-05	SANS 1186-1:1997 (SABS 1186-1)
SABS SM 1186	(SANS 6186)	1992	1	2004-09-03	SANS 12951:2004
SABS SM 1187	(SANS 6187)	1992	1	2004-09-23	SANS 1471:1996 (SABS EN 1471)
SABS 1189		1978	1	1999-05-14	SANS 1804-4:1999 (SABS 1804-4)
SABS SM 1189		1992	1	1999-02-05	
SABS SM 1190		1992	1	1999-02-05	
SABS SM 1191	(SANS 6191)	1992	1	2009-08-21	SANS 11644:2009
SABS 1192 SET	(SANS 1192 SET)		1		
SABS 1193 SET	(SANS 1193 SET)	1000	1		
SABS 1197		1996	1	2001-07-06	SANS 61084-1:1991 (SABS IEC 61084-1)
SABS 1197-1		1978	1	1996-09-16	SADS 1197.1990
SABS 1197-2		1985	1	1990-09-10	SABS 1197.1990
SADS 1201		1970	1	1900-03-09	
SADS 1202		1970	1	1900-03-09	SANS 1385-1083 (SARS 1385)
SARS SM 1000	(SANG GOOD)	1000	1	2007-10-00	CARE 1000.1000 (0AD0 1000)
SARS 1203	(07100 0203)	1020	1	1988-03-09	
SABS 1205		1979	' 1	1988-03-09	
SABS 1206		1979	1	1988-03-09	
SABS 1208	(SANS 1208)	1989	1.01	2009-03-27	SANS 20124:2007
SABS SM 1209	,	1992	1	2000-09-15	SANS 6284-3:2000 (SABS SM 1284-3)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 1211	(SANS 6211)	1992	1	2003-10-31	SANS 6211-1:2003
					SANS 6211-2:2003
SABS SM 1212	(SANS 6212)	1993	1	2009-09-11	SANS 2589:2009
SABS 1212	(SANS 1212)	1984	1	1998-09-11	SANS 1212:1998 (SABS 1212)
SABS SM 1213	(SANS 6213)	1993	1	2009-09-11	SANS 20864:2009
SABS SM 1214	(SANS 6214)	1993	1	2009-08-21	SANS 20864:2009
SABS 1214	(SANS 1214)	2001	1.03	2006-02-24	SANS 124/:2005
SABS SM 1215	(SANS 6215)	1993	1	2011-01-21	SANS 1/704:2010
SABS SM 1217	(SANS 6217)	1994	1	2006-02-09	SANS 53/63-16:2006
					SANS 53763-20:2006 SANS 53763-20:2006
SABS SM 1218	(SANS 6218)	1994	1	2006-02-09	SANS 53763-18:2006
SABS SM 1220	(SANS 6220)	1994	1	2006-02-09	SANS 53763-13:2006
SABS 1220	(0) (10 0220)	1984	1	2001-04-06	SANS 60903:1988 (SABS IEC 60903)
SABS SM 1221		1994	1	2001-07-06	
SABS 1222	(SANS 1222)	1997	2	2004-06-11	SANS 60529:2001 (SABS IEC 60529)
SABS SM 1222	(SANS 6222)	1994	1	2006-02-09	SANS 53763-12:2006
SABS SM 1224	(SANS 6224)	1994	1	2011-01-21	SANS 20344:2008
SABS SM 1225	(SANS 6225)	1994	1	2011-01-21	SANS 20344:2008
SABS SM 1226	(SANS 6226)	1994	1	2011-01-21	SANS 20865:2010
SABS 1226	(0/ 10 0220)	1986	1	1987-02-13	VC 8029:1987
SABS SM 1227	(SANS 6227)	1994	1	2011-01-21	SANS 17708:2010
SABS SM 1228	(SANS 6228)	1994	1	2011-01-21	SANS 20344:2008
SABS SM 1229	(SANS 6229)	1994	1	2011-01-21	SANS 20344:2008
SABS SM 1230	(SANS 6230)	1994	1	2011-01-21	SANS 20344:2008
SABS 1230	(SANS 1230)	1985	1	2005-10-14	
SABS SM 1231	(SANS 6231)	1994	1	2011-01-21	SANS 22649:2010
SABS SM 1232	(SANS 6232)	1994	1	2011-01-21	SANS 20344:2008
SABS SM 1233	(SANS 6233)	1994	1	2009-08-21	SANS 20864:2009
SABS 1234	, , , , , , , , , , , , , , , , , , ,	1978	1	2002-02-11	SANS 1858:2002 (SABS 1858)
SABS SM 1235	(SANS 6235)	1994	1	2011-01-21	SANS 20344:2008
SABS SM 1236	(SANS 6236)	1994	1	2011-01-21	SANS 20344:2008
SABS SM 1237	(SANS 6237)	1994	1	2011-05-06	SANS 20344:2008
SABS 1245		1978	1	1998-09-03	SANS 1783-2:1997 (SABS 1783-2) SANS 1783-1:1997 (SABS 1783-1)
SABS 1246		1979	1	1979-08-10	VC 8030:1979
SABS SM 1247		1994	1	2001-07-06	
SABS 1247		1986	1	1987-02-20	VC 8031:1987
SABS 1250	(SANS 1250)	1979	1	2008-07-11	SANS 61048:2006 (SABS IEC 61048)
SABS 1254		1979	1	1994-11-21	
SABS 1256	(SANS 1256)	1985	1	2003-12-05	SANS 1922:2003
SABS 1257	(SANS 1257)	1985	1	2003-12-05	SANS 1922:2003
SABS 1258		1979	1	1986-03-13	
SABS 1262	(SANS 1262)	1979	1	2007-09-14	
SABS SM 1263		1995	1	2000-02-18	SANS 6286:2000 (SABS SM 1286)
SABS SM 1264		1995	1	2001-10-05	
SABS 1264-1		1979	1	1985-02-27	
SABS 1264-2		1979	1	1985-02-27	
SABS 1264-3		1979	1	1985-02-27	
SABS 1267		1979	1	1995-05-15	SANS 1266:1995 (SABS 1266)
SABS 1268		1979	1	1998-10-02	
SABS 1275		1980	1	1999-10-29	
SABS 1276		1980	1	2002-02-22	SANS 10072:1993 (SABS 072)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS SM 1276	(SANS 6276)	2001	1	2009-08-14	SANS 17235:2009
SABS 1277	(SANS 1277)	1980	1	2006-04-13	SANS 475:2006
SABS 1278	(SANS 1278)	1980	1	2006-04-13	SANS 475:2006
SABS 1279	(SANS 1279)	1980	1	2006-04-13	SANS 475:2006
SABS 1280	(SANS 1280)	1980	1	2004-03-05	
SABS 1282	(SANS 1282)	1982	1	2005-06-10	SANS 1700-7-7:2003
					SANS 1700-7-8:2003 SANS 1700-14-8:2003 SANS 1700-14-9:1996 (SABS 1700-14-9) SANS 1700-14-10:2003
SABS 1286		1980	1	2000-08-04	SANS 4074-1:1996 (SABS ISO 4074-1) SANS 4074-2:1994 (SABS ISO 4074-2) SANS 4074-3:1994 (SABS ISO 4074-3) SANS 4074-5:1996 (SABS ISO 4074-5) SANS 4074-6:1996 (SABS ISO 4074-6) SANS 4074-7:1996 (SABS ISO 4074-7) SANS 4074-9:1996 (SABS ISO 4074-9) SANS 4074-10:1990 (SABS ISO 4074-10)
SABS 1289	(SANS 1289)	1980	1	2007-11-23	
SABS 1290	(SANS 1290)	2005	1.04	2008-09-05	SANS 616:2008
SABS 1293		1980	1	2002-04-15	SANS 51600:1997 (SABS EN 1600)
SABS 1295		1980	1	1992-11-11	
SABS 1296		1980	1	1992-11-11	
SABS 1299		1981	1	1993-05-12	
SABS 1300		1980	1	1998-06-03	SANS 50312-2:1996 (SABS EN 312-2) SANS 50312-4:1996 (SABS EN 312-4) SANS 50312-5:1997 (SABS EN 312-5) SANS 50312-6:1996 (SABS EN 312-6) SANS 50312-7:1997 (SABS EN 312-7) SANS 50312-3:1996 (SABS EN 312-3) SANS 50312-1:1996 (SABS EN 312-1)
SABS 1301		1980	1	1998-06-03	SANS 50312-2:1996 (SABS EN 312-2) SANS 50312-4:1996 (SABS EN 312-4) SANS 50312-5:1997 (SABS EN 312-5) SANS 50312-6:1996 (SABS EN 312-6) SANS 50312-7:1997 (SABS EN 312-7) SANS 50312-3:1996 (SABS EN 312-3) SANS 50312-1:1996 (SABS EN 312-1)
SABS 1306 SET(PARTS 1&2)	(SANS 1306 SET(PARTS 1&2))	1990	2	2008-04-10	
SABS 1306	,,	1980	1	1990-08-23	SANS 1306-1:1990 (SABS 1306-1)
SABS 1312		1980	1	2002-01-18	SANS 50286-1:1998 (SABS EN 286-1) SANS 50286-2:1992 (SABS EN 286-2) SANS 50286-3:1994 (SABS EN 286-3) SANS 50286-4:1994 (SABS EN 286-4)
SABS 1314		1981	1	1982-05-14	VC 8032:1982
SABS 1315	(SANS 1315)	2006	1.06	2009-08-14	SANS 15874-1:2004 SANS 15874-2:2004 SANS 15874-3:2004 SANS 15874-5:2004
SABS 1318		1980	1	1992-11-11	
SABS 1323	(SANS 1323)	1981	1	2004-09-23	
SABS 1325		1981	1	1996-06-03	
SABS 1328-1		1981	1	1999-03-19	
SABS 1329	(SANS 1329)	1988	2	1994-03-07	SANS 1329-4:1994 (SABS 1329-4)
SABS 1329-3	(SANS 1329- 3)	2001	2.02	2007-11-09	SANS 1329-3:2007 (SABS 1329-3)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 1331	(SANS 1331)	1982	1	2008-09-26	SANS 14356:2008
SABS 1131-1	,	1977	1	1992-11-11	
SABS 1131-2		1977	1	1992-11-11	
SABS 1332		1981	1	1996-10-14	SANS 1559:1995 (SABS ISO 1559)
SABS 1333	(SANS 1333)	1981	1	2008-05-23	
SABS 1334	(SANS 1334)	1982	1	2009-01-16	SANS 861:2008
SABS 1335	(SANS 1335)	1982	1	2008-11-14	SANS 3107:2008
SABS 1336	(SANS 1336)	1982	1	2008-09-19	SANS 6873:2008
SABS 1340	(SANS 1340)	1999	4	2005-10-28	SANS 20044:1998 (SABS ECE R 44)
SABS 1342	(SANS 1342)	1982	1	2008-09-19	SANS 22112:2008
SABS 1345	(SANS 1345)	1981	1	2007-07-20	
SABS 1346		1982	1	1996-06-03	
SABS 1347		1985	1	1986-02-14	VC 8033:1986
SABS 1348	(SANS 1348)	2005	1.02	2011-06-24	
SABS 1349	(SANS 1349)	2006	1.02	2010-01-22	
SABS 1352		1982	1	1982-10-15	VC 8034:1982
SABS 1353	(SANS 1353)	2000	2	2004-11-12	SANS 60252-1:2001 (SABS IEC 60252-1) SANS 60252-2:2004
SABS 1354	(SANS 1354)	2008	1.04	2010-03-05	SANS 8764-1:2009 SANS 8764-2:2009
SABS 1355-1		1984	1	1999-01-21	SANS 1700-9-1:1998 (SABS 1700-9-1) SANS 1700-9-2:1996 (SABS 1700-9-2) SANS 1700-9-3:1998 (SABS 1700-9-3) SANS 1700-9-4:1998 (SABS 1700-9-4)
SABS 1355-2		1984	1	1999-01-21	SANS 1700-9-1:1998 (SABS 1700-9-1) SANS 1700-9-2:1996 (SABS 1700-9-2) SANS 1700-9-3:1998 (SABS 1700-9-3) SANS 1700-9-4:1998 (SABS 1700-9-4)
SABS 1355-3	(SANS 1355- 3)	1984	1	2003-12-05	SANS 1700-9-1:1998 (SABS 1700-9-1) SANS 1700-9-2:1996 (SABS 1700-9-2)
SABS 1358	(SANS 1358)	1982	1	2006-11-17	
SABS 1359		1982	1	1998-09-03	SANS 1783-1:1997 (SABS 1783-1) SANS 1783-3:1997 (SABS 1783-3)
SABS 1361	(SANS 1361)	2000	2	2006-10-06	
SABS 1364		1982	1	1992-11-11	
SABS 1368		1984	1	2000-02-04	
SABS 1369		1984	1	2000-02-04	
SABS 1382		1983	1	1995-05-15	SANS 1382-1:1995 (SABS 1382-1) SANS 1382-2:1996 (SABS 1382-2)
SABS 1386	(SANS 1386)	2005	1.01	2009-05-15	
SABS 1388	(SANS 1388)	2005	1.01	2009-06-19	
SABS 1391 SET	(SANS 1391 SET)	1983	1		
SABS 1391-1	(SANS 1391- 1)	1983	1	2005-07-08	SANS 2063:1991 (SABS ISO 2063)
SABS 1391-2	(SANS 1391- 2)	1983	1	2005-07-08	SANS 2063:1991 (SABS ISO 2063)
SABS 1391-3	(SANS 1391- 3)	1983	1	2005-07-08	SANS 2063:1991 (SABS ISO 2063)
SABS 1392	(SANS 1392)	2002	1.01	2009-10-30	
SABS 1393		1983	1	1999-11-12	
SABS 1394		1983	1	1998-07-30	SANS 1394-1:1998 (SABS 1394-1) SANS 1394-2:1998 (SABS 1394-2)
SABS 1395		1986	1	1994-11-07	
SABS 1397		1983	1	2001-01-19	
SABS 1398	(SANS 1398)	1994	2	2004-05-28	SANS 1518-2:2004 SANS 1518-1:2004

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 1401-16		1983	1	1996-07-22	
SABS 1403	(SANS 1403)	1986	1	2006-07-14	
SABS 1404-1		1987	1	1993-02-25	SANS 1404:1993 (SABS 1404)
SABS 1404-2		1987	1	1993-02-25	SANS 1404:1993 (SABS 1404)
SABS 1404-3		1987	1	1993-02-25	SANS 1404:1993 (SABS 1404)
SABS 1405	(SANS 1405)	1987	1	2002-11-15	SANS 4586-2:1997 (SABS ISO 4586-2)
SABS 1406	(SANS 1406)	1986	1	1998-08-06	SANS 1406:1998 (SABS 1406)
SABS 1410		1986	1	1993-02-25	
SABS 1412-1		1987	1	1998-05-04	
SABS 1412-2		1987	1	1998-05-04	
SABS 1412-3		1987	1	1998-05-04	
SABS 1412-4		1987	1	1998-05-04	
SABS 1412-5		1987	1	1998-05-04	
SABS 1412-6		1987	1	1998-05-04	
SABS 1412-7		1987	1	1998-05-04	
SABS 1412-8		1987	1	1998-05-04	
SABS 1414		1987	1	1996-06-03	
SABS 1417	(SANS 1417)	2001	1.03	2007-02-09	SANS 12402-1:2007
					SANS 12402-2:2007
					SANS 12402-3:2007 SANS 12402-4:2007
					SANS 12402-5:2007
					SANS 12402-6:2007
					SANS 12402-7:2007
					SANS 12402-8:2007
					SANS 12402-9:2007
				0001 11 00	SANS 12402-10:2007
SABS 1421		1987	1	2001-11-30	SANS 60188:2001 (SABS IEC 60188)
SABS 1425		1987	1	1987-10-16	VC 8035:1987
SABS 1426	(0.4.10.4.400)	1987	1	1987-10-16	VC 8036:1987
SABS 1428	(SANS 1428)	1991	1.01	2009-06-05	SANS 20039:2007
SABS 1431	(SANS 1431)	2007	1.08	2011-07-15	SANS 50025-1.2009 SANS 50025-2:2009
					SANS 50025-3:2009
					SANS 50025-4:2009
					SANS 50025-5:2009
					SANS 50025-6:2009
SABS 1432	(SANS 1432)	1999	2	2008-05-23	
SABS 1434	(SANS 1434)	1987	1	2008-04-04	
SABS 1435	(SANS 1435)	2004	1.01	2010-01-15	
SABS 1450		1988	1	1999-03-19	
SABS 1454-1		1988	1	1999-11-05	SANS 60384-1:1982 (SABS IEC 60384-1)
SABS 1454-2-1		1989	1	1999-11-05	SANS 60384-1:1982 (SABS IEC 60384-1)
SABS 1454-2		1989	1	1999-11-05	SANS 60384-1:1982 (SABS IEC 60384-1)
SABS 1454-3-1		1989	1	1999-11-05	SANS 60384-1:1982 (SABS IEC 60384-1)
SABS 1454-3-2		1989	1	1999-11-05	SANS 60384-1:1982 (SABS IEC 60384-1)
SABS 1454-3		1989	1	1999-11-05	SANS 60384-1:1982 (SABS IEC 60384-1)
SABS 1454-4-1		1989	1	1999-11-05	SANS 60384-1:1982 (SABS IEC 60384-1)
SABS 1454-4		1989	1	1999-11-05	SANS 60384-1:1982 (SABS IEC 60384-1)
SABS 1454-5-1		1989	1	1999-11-05	SANS 60384-1:1982 (SABS IEC 60384-1)
SABS 1454-5		1989	1	1999-11-05	SANS 60384-1:1982 (SABS IEC 60384-1)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 1455-1	(SANS 1455- 1)	1988	1	2005-10-28	SANS 50136:1998 (SABS EN 136) SANS 50140:1998 (SABS EN 140) SANS 50148-2:2003 (SABS EN 148-2) SANS 50148-1:2003 (SABS EN 148-1) SANS 50148-3:2003 (SABS EN 148-3) SANS 275:2004
SABS 1455-2	(SANS 1455- 2)	1988	1	2005-10-28	SANS 275:2004 SANS 50143:2003 (SABS EN 143) SANS 275:2004
SABS 1455-3	(SANS 1455- 3)	1988	1	2005-10-28	SANS 50149:2003 (SABS EN 149)
SABS 1455-4	(SANS 1455- 4)	1989	1	2005-10-28	SANS 50141:2003 (SABS EN 141) SANS 275:2004
SABS 1458		1988	1	1993-02-25	SANS 60065:1985 (SABS IEC 60065)
SABS 1461		1988	1	1998-10-30	
SABS 1462-1		1988	1	1993-02-25	SANS 60335-1:1991 (SABS IEC 60335-1)
SABS 1463-1		1988	1	1993-02-25	SANS 60745-1:1982 (SABS JEC 60745-1)
SABS 1464-1		1995	2	2002-08-23	SANS 60598-2-1:1979 (SABS JEC 60598-2-1)
SABS 1464-2		1998	1 02	2002-08-23	SANS 60598-2-2:1997 (SABS JEC 60598-2-2)
SABS 1464 2		1005	1.02	2002-08-23	SANS 60598-2-3:2001 (SABS JEC 60598-2-3)
SADS 1404-5		1009	1 01	2002 00 20	SANS 60598-2-4-1997 (SABS JEC 60598-2-4)
SADS 1404-4		1990	1.01	2002-00-23	SANS 60508-2-5:1998 (SARS IEC 60508-2-5)
SADS 1404-3		1995	1 01	2002-08-23	SANS 00000-2-0.1000 (SADS IEC 00000-2-0)
SABS 1404-0		1997	1.01	2002-06-23	SANS 00390-2-0.1334 (SADS IEC 00390-2-0)
SABS 1464-7		1998	1.01	2002-08-23	SANG 00590-2-7.1902 (SABS IEC 00590-2-7)
SABS 1464-8		1998	1.02	2002-08-23	SANS 60598-2-6.2001 (SABS IEC 60598-2-6)
SABS 1464-9		1995	1	2002-08-23	SANS 60598-2-9:1987 (SABS IEC 60598-2-9)
SABS 1464-10		1998	1.01	2002-08-23	SANS 60598-2-10:1987 (SABS IEC 60598-2-10)
SABS 1464-17		1995	1	2002-08-23	SANS 60598-2-17:1984 (SABS IEC 60598-2-17)
SABS 1464-18		1995	1	2002-08-23	SANS 60598-2-18:1993 (SABS IEC 60598-2-18)
SABS 1464-19		1995	1	2002-08-23	SANS 60598-2-19:1981 (SABS IEC 60598-2-19)
SABS 1464-20		1998	1.02	2002-08-23	SANS 60598-2-20:1996 (SABS IEC 60598-2-20)
SABS 1464-25		1997	1	2002-08-23	SANS 60598-2-25:1994 (SABS IEC 60598-2-25)
SABS 1466		1988	1	1998-07-03	SANS 50413-1:1994 (SABS ENV 413-1) SANS 50413-2:1994 (SABS EN 413-2) SABS ENV 197-2:1995 SABS ENV 197-1:1992
SABS 1469		1989	1	1989-09-22	VC 8037-3:1989 VC 8037-2:1989 VC 8037-4:1990 VC 8037-5:1990 VC 8037-1:1989
SABS 1471		1990	1	1990-09-21	VC 8038-3:1990 VC 8038-4:1990 VC 8038-1:1990 VC 8038-2:1990
SABS 1473-1-2		1996	1	1997-09-22	SANS 1473-1:1996 (SABS 1473-1)
SABS 1473-1	(SANS 1473- 1)	2003	3	2007-12-14	SANS 1973-1:2007
SABS 1473-2	(SANS 1473- 2)	1996	1	2003-07-04	SANS 60439-1:1999 (SABS IEC 60439-1) SANS 60439-2:2000 (SABS IEC 60439-2)
SABS 1474	(SANS 1474)	2004	1.03	2010-02-19	SANS 62040-3:1999 (SABS IEC 62040-3) SANS 62040-2:2007 (SABS IEC 62040-2) SANS 60950-1:2010 SANS 62040-1:2008
SABS 1478		1989	1	1989-07-14	VC 8039:1989
SABS 1479	(SANS 1479)	1989	1	2007-11-16	SANS 60155:2007
SABS 1481-1	、 -)	1989	1	2000-12-01	SANS 2327:1991 (SABS MPT 1327)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 1481-2	(SANS 1481- 2)	1992	1	2006-09-08	
SABS 1483	(SANS 1483)	1989	1	2007-11-30	SANS 11040-1:2007
SABS 1487	(SANS 1487)	1989	1	2006-04-07	
SABS 1488-1	· · · · · · · · · · · · · · · · · · ·	1989	1	1999-11-05	SANS 60751:1983 (SABS IEC 60751)
SABS 1488-2		1989	1	1999-03-12	SANS 61515:1995 (SABS IEC 61515)
SABS 1490	(SANS 1490)	1989	1	2011-02-24	
SABS 1491-1	(SANS 1491- 1)	2005	2	2012-06-22	SANS 55167-1:2011
SABS 1491-2	(SANS 1491- 2)	2005	2	2012-06-22	SANS 50450-1:2011 SANS 50450-2:2011
SABS 1491-3	(SANS 1491- 3)	2006	2.01	2012-07-27	SANS 53263-1:2011 SANS 53263-2:2011 SANS 50934-2:2011 SANS 50934-6:2011
SABS 1495		1989	1	1990-05-18	VC 8040:1990
SABS 1499		1989	1	1990-06-15	VC 8041:1990
SABS 1500		1983	1	1986-11-05	
SABS 1501	(SANS 1501)	2002	1.01	2008-11-21	
SABS 1503	(SANS 1503)	1989	1	2007-08-24	SANS 1527:1991 (SABS 1527)
SABS 1506	(SANS 1506)	1994	2	2006-09-22	SANS 1207:1998 (SABS 1207) SANS 20013:2004 (SABS ECE R 13)
SABS 1507	(SANS 1507)	2001	1.1	2003-06-13	SANS 1507-1:2002 (SABS 1507-1) SANS 1507-2:2002 (SABS 1507-2) SANS 1507-4:2002 (SABS 1507-4) SANS 1507-3:2002 (SABS 1507-3) SANS 1507-5:2002 (SABS 1507-5) SANS 1507-6:2002 (SABS 1507-6)
SABS 1511	(SANS 1511)	1990	1	2008-05-23	
SABS 1512	(SANS 1512)	1990	1	2008-05-23	
SABS 1513	(SANS 1513)	1990	1	2008-05-23	
SABS 1514-1	(,	1990	1	1997-08-18	SANS 60884-1:1994 (SABS IEC 60884-1)
SABS 1518	(SANS 1518)	1996	1	2004-04-23	SANS 1518-2:2004 SANS 1518-3:2002 (SABS 1518-3) SANS 1518-1:2004
SABS 1518-3	(SANS 1518- 3)	2002	1	2005-12-14	SANS 1518:2005 (SABS 1518)
SABS 1519		1990	1	2000-09-22	SANS 1519-2:2000 (SABS 1519-2) SANS 1519-1:1997 (SABS 1519-1)
SABS 1521	(SANS 1521)	1990	1	2004-05-28	
SABS 1524-0	(SANS 1524- 0)	1997	1	2005-04-08	SANS 62051:1999 (SABS IEC 62051)
SABS 1524-2		1998	1	2002-02-11	SANS 1524-1:2002 (SABS 1524-1)
SABS 1525		1990	1	2000-02-04	
SABS 1536-1		1991	1	1997-08-18	SANS 61058-1:1996 (SABS IEC 61058-1)
SABS 1537-1		1991	1	1997-03-10	SANS 60669-1:1993 (SABS IEC 60669-1)
SABS 1545-10	(SANS 1545- 10)	2000	2	2006-08-18	SANS 1545-2:2004 (SABS 1545-2) SANS 1545-1:2005 (SABS 1545-1)
SABS 1548		1992	1	2000-01-28	SANS 50730:1995 (SABS EN 730)
SABS 1549	(SANS 1549)	1993	1.01	2009-04-09	SANS 52825:2009
SABS 1552	(SANS 1552)	1992	1	2009-01-16	
SABS 1554		1992	1	2000-12-01	
SABS 1556-3	(SANS 1556- 3)	1992	1	2004-04-23	SANS 1700-2-21:2004 SANS 1700-2-22:2004
SABS 1558	(SANS 1558)	1992	1	2009-01-16	
SABS 1559		1992	1	1999-11-19	
SABS 1560	(SANS 1560)	1992	1	2007-09-21	SANS 10229-1:2005

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SARS 1562	(SANS 1562)	1002		2008-06-27	
SABS 1565	(SANS 1565)	1992	1	2008-01-18	SANS 20030-2007
SABS 1566	(SANS 1566)	1992	1	2008-01-18	SANS 20054:2007
SABS 1568	(SANS 1568)	1992	1	2006-04-07	SANS 20053:2005
SABS 1569	(SANS 1569)	1992	1	2004-04-23	SANS 20081:1989 (SABS ECE R 81)
SABS 1570	(SANS 1570)	1992	1	2004-04-23	SANS 20078:2003
SABS 1571	(SANS 1571)	1992	1	2005-07-15	SANS 11601:2005
SABS 1573	(SANS 1573)	1992	1	2005-08-26	SANS 1910:2003
SABS 1574	(SANS 1574)	2004	1.08	2007-08-24	SANS 1574-1:2007 SANS 1574-3:2007 SANS 1574-4:2007 SANS 60227-5:2006 SANS 1574-5:2007
SABS 1577	(SANS 1577)	1993	1.01	2008-01-18	SANS 20064:2007
SABS 1578-1		1993	1	2001-05-21	SANS 1578:2001 (SABS 1578)
SABS 1578-2		1993	1	2001-05-21	SANS 1796:2001 (SABS 1796)
SABS 1583	(SANS 1583)	1993	1	2007-02-09	SANS 10250:2006
SABS 1584-2	(SANS 1584- 2)	1994	1	2007-09-14	SANS 300706:2007
SABS 1584-4	(SANS 1584- 4)	1995	1	2003-06-13	
SABS 1590		1993	1	1995-03-27	SANS 10257:1994 (SABS 0257)
SABS 1599-0-1	(SANS 1599- 0-1)	1995	1	2003-03-14	SANS 4301-1:2002
SABS 1599-0-2	(SANS 1599- 0-2)	1995	1	2003-03-14	SANS 4302:2002
SABS 1599-0-3	(SANS 1599- 0-3)	1995	1	2003-03-14	SANS 4310:2002
SABS 1599-0-4	(SANS 1599- 0-4)	1995	1	2003-03-14	SANS 7363:2002
SABS 1599-0-5	(SANS 1599- 0-5)	1995	1	2003-02-14	SANS 8566-1:2002
SABS 1599-0-6	(SANS 1599- 0-6)	1995	1	2003-02-14	SANS 9374-1:2002
SABS 1599-0-7	(SANS 1599- 0-7)	1995	1	2003-10-31	SANS 61-1:2003
SABS 1599-3	(SANS 1599- 3)	1994	1	2003-03-14	SANS 4301-3:2002
SABS 1599-4-1	(SANS 1599- 4-1)	1995	1	2003-10-17	SANS 4301-5:1991 (SABS ISO 4301-5)
SABS 1599-4-2	(SANS 1599- 4-2)	1995	1	2003-03-14	SANS 7752-5:2002
SABS 1599-4-3	(SANS 1599- 4-3)	1995	1	2003-10-17	SANS 8306:1985 (SABS ISO 8306)
SABS 1599-4-4	(SANS 1599- 4-4)	1995	1	2003-02-14	SANS 8566-5:2002
SABS 1599-4-5	(SANS 1599- 4-5)	1995	1	2003-10-17	SANS 8686-5:2003
SABS 1599-5	(SANS 1599- 5)	2004	1.01	2007-04-20	SANS 15442:2007
SABS 1603-1	(SANS 1603- 1)	2005	1.01	2007-09-14	
SABS 1603-2	(SANS 1603- 2)	2005	1.01	2007-09-14	
SABS 1603-3	(SANS 1603- 3)	1996	1	2007-09-14	
SABS 1603-4	(SANS 1603- 4)	1996	1	2007-09-14	
SABS 1603-5	(SANS 1603- 5)	1996	1	2007-09-14	
SABS 1604		1994	1	2001-02-02	SANS 60079-5:1997 (SABS IEC 60079-5)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 1605		1994	1	2001-02-02	SANS 60079-6:1995 (SABS IEC 60079-6)
SABS 1606		1994	1	2001-02-02	SANS 60079-18:1992 (SABS IEC 60079-18)
SABS 1607	(SANS 1607)	1998	1.01	2004-04-23	SANS 62052-11:2003 SANS 62053-11:2003
SABS 1608		1994	1	1999-11-19	SANS 61230:1993 (SABS IEC 61230)
SABS 1609-2	(SANS 1609- 2)	1994	1	2005-03-18	SANS 62106:2000 (SABS IEC 62106)
SABS 1614	(SANS 1614)	1994	1	2006-12-15	
SABS 1621		1995	1	1996-06-10	SANS 1621-0:1996 (SABS 1621-0)
SABS 1621-0	(SANS 1621- 0)	1997	2.01	2009-01-16	
SABS 1621-1		1996	2	1997-04-14	
SABS 1621-2		1996	2	1997-04-14	
SABS 1621-3		1996	2	1997-04-14	
SABS 1621-4		1996	2	1997-04-14	
SABS 1621-5		1996	2	1999-02-05	
SABS 1621-6		1996	2	1999-02-05	
SABS 1621-7		1996	2	1999-02-05	
SABS 1621-8		1996	2	1999-02-05	
SABS 1621-9		1996	2	1999-02-05	
SABS 1621-10		1996	2	1999-02-05	
SABS 1621-14		1996	2	1999-03-12	
SABS 1628		1995	1	2001-07-20	SANS 60929:1990 (SABS IEC 60929)
SABS 1629	(SANS 1629)	1995	1	2005-10-14	
SABS 1630	. ,	1995	1	2001-07-20	SANS 60927:2000 (SABS IEC 60927)
SABS 1631		1995	1	2001-07-20	SANS 61047:1991 (SABS IEC 61047)
SABS 1632-2	(SANS 1632- 2)	2005	1.01	2013-02-08	SANS 60896-11:2003
SABS 1632-3	(SANS 1632- 3)	2005	1.01	2013-02-08	SANS 60623:2001 (SABS IEC 60623) SANS 60896-11:2003
SABS 1632-4	(SANS 1632- 4)	1996	1	2005-02-18	SANS 60896-21:2004
SABS 1633		1995	1	2001-02-02	SANS 60079-2:1983 (SABS IEC 60079-2)
SABS 1634		1995	2	2000-08-04	SANS 60400:1999 (SABS IEC 60400)
SABS 1635-1	(SANS 1635- 1)	1996	1	2003-10-31	SANS 1726-2:2003 SANS 1726-1:2003
SABS 1635-2	(SANS 1635- 2)	1998	1	2007-05-18	SANS 509:2007
SABS 1641		1995	1	2001-10-05	
SABS 1646	(SANS 1646)	1995	1	2009-01-16	
SABS 1648	(SANS 1648)	1995	1	2006-06-02	SANS 20055:2003
SABS 1651	(SANS 1651)	1996	1.01	2009-03-20	SANS 613:2009
SABS 1656	(SANS 1656)	1995	1	2004-09-23	SANS 11564:2004
SABS 1662		1996	1	2001-03-09	SANS 60320-1:1994 (SABS IEC 60320-1)
SABS 1663	(SANS 1663)	1996	1	2003-02-28	SANS 60669-1:1998 (SABS IEC 60669-1)
SABS 1664		1996	1	1999-07-22	SANS 164-1:1997 (SABS 164-1) SANS 164-2:1997 (SABS 164-2)
SABS 1665		1996	1	2001-03-09	SANS 61058-1:1996 (SABS IEC 61058-1)
SABS 1666	(SANS 1666)	1996	1	2007-08-24	
SABS 1667	(SANS 1667)	1996	1	2006-05-05	SANS 61204:1993 (SABS IEC 61204)
SABS 1669	(SANS 1669)	1996	1	2005-07-08	SANS 1669-2:2005 SANS 1669-1:2005
SABS 1700-4-2	(SANS 1700- 4-2)	1996	1	2008-02-22	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 1700-5-7	(SANS 1700- 5-7)	1996	1	2004-06-11	SANS 1700-5-8:2003 (SABS 1700-5-8) SANS 1700-5-9:2003 (SABS 1700-5-9) SANS 1700-5-10:2003 (SABS 1700-5-10)
SABS 1700-6-1		1996	1	1996-11-25	
SABS 1700-8-1	(SANS 1700- 8-1)	1996	1	2004-07-23	
SABS 1700-14-7	(SANS 1700- 14-7)	1996	1	2004-07-23	
SABS 1701-1-1	(SANS 1701- 1-1)	1997	1	2005-02-25	SANS 350-1:2005
SABS 1701-1-2	(SANS 1701- 1-2)	1997	1	2005-03-04	SANS 4378-1:2005
SABS 1701-1-3	(SANS 1701- 1-3)	1997	1	2005-03-04	SANS 4378-2:2005
SABS 1701-1-4	(SANS 1701- 1-4)	1997	1	2005-03-04	SANS 4378-3:2005
SABS 1701-1-5		1997	1	2001-02-02	
SABS 1701-1-6	(SANS 1701- 1-6)	1997	1	2005-03-04	SANS 7146:2005
SABS 1701-2-2	(SANS 1701- 2-2)	1996	1	2005-02-25	SANS 351:2005
SABS 1701-2-3	(SANS 1701- 2-3)	1996	1	2005-02-25	SANS 352:2005
SABS 1701-2-4	(SANS 1701- 2-4)	1996	1	2005-02-25	SANS 353:2005
SABS 1701-2-5		1996	1	1999-03-01	
SABS 1701-2-6		1996	1	2001-02-02	
SABS 1701-2-7		1996	1	2001-02-02	
SABS 1701-2-8	(SANS 1701- 2-8)	1996	1	2005-02-25	SANS 354:2005
SABS 1701-2-9	(SANS 1701- 2-9)	1996	1	2005-02-25	SANS 355:2005
SABS 1701-2-9 Addendum 1	(SANS 1701- 2-9 Addendum 1	· 1996)	1	2005-02-25	SANS 355:2005
SABS 1701-2-9 Addendum 2	(SANS 1701- 2-9 Addendum 2	· 1996)	1	2005-02-25	SANS 355:2005
SABS 1701-2-10		1996	1	2001-02-02	
SABS 1701-2-11	(SANS 1701- 2-11)	1996	1	2005-02-25	SANS 356:2005
SABS 1701-2-12		1996	1	2001-02-02	
SABS 1701-2-13		1996	1	2001-02-02	
SABS 1701-2-15		1996	1	2001-02-02	
SABS 1701-2-16	(SANS 1701- 2-16)	1996	1	2005-02-25	SANS 1206:2005
SABS 1701-2-17	(SANS 1701- 2-17)	1996	1	2005-04-01	SANS 358:2005
SABS 1701-2-19		1996	1	2001-02-02	
SABS 1701-2-23	(SANS 1701- 2-23)	1996	1	2005-04-01	SANS 3228:2005
SABS 1701-2-26	(SANS 1701- 2-26)	1996	1	2005-04-22	SANS 359:2005
SABS 1701-2-27	(SANS 1701- 2-27)	1996	1	2005-07-15	SANS 3096:2005
SABS 1701-2-28	(SANS 1701- 2-28)	1996	1	2007-05-04	SANS 360:2005
SABS 1701-2-30	(SANS 1701- 2-30)	1996	1	2005-10-14	SANS 8826-1:2005
SABS 1701-2-31	(SANS 1701- 2-31)	1996	1	2005-04-01	SANS 9628:2005

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 1701-2-32	(SANS 1701- 2-32)	1996	1	2005-04-01	SANS 10285:2005
SABS 1701-2-33	(SANS 1701- 2-33)	1996	1	2005-07-15	SANS 361:2005
SABS 1701-2-34	(SANS 1701- 2-34)	1996	1	2005-04-22	SANS 10657:2005
SABS 1701-3-1	(SANS 1701- 3-1)	1996	1	2005-04-01	SANS 2795:2005
SABS 1701-3-4	(SANS 1701- 3-4)	1996	1	2005-04-01	SANS 4379:2005
SABS 1701-3-5	(SANS 1701- 3-5)	1996	1	2005-03-04	SANS 4381:2005
SABS 1701-3-6	(SANS 1701- 3-6)	1996	1	2005-04-01	SANS 4382-1:2005
SABS 1701-3-7	(SANS 1701- 3-7)	1996	1	2005-04-01	SANS 4382-2:2005
SABS 1701-3-8	(SANS 1701- 3-8)	1996	1	2005-03-04	SANS 4383:2005
SABS 1701-3-9	(SANS 1701- 3-9)	1996	1	2005-07-15	SANS 12240-1:2005
SABS 1701-3-10	(SANS 1701- 3-10)	1996	1	2005-07-15	SANS 12240-1:2005
SABS 1701-3-11	(SANS 1701- 3-11)	1996	1	2005-07-15	SANS 12240-1:2005
SABS 1701-3-12	(SANS 1701- 3-12)	1996	1	2005-07-15	SANS 12240-1:2005
SABS 1701-3-13	(SANS 1701- 3-13)	1996	1	2005-07-15	SANS 12240-1:2005
SABS 1701-3-14	(SANS 1701- 3-14)	1996	1	2005-04-01	SANS 365:2005
SABS 1701-3-15	(SANS 1701- 3-15)	1996	1	2005-04-01	SANS 366:2005
SABS 1701-3-16	(SANS 1701- 3-16)	1996	1	2005-04-01	SANS 367:2005
SABS 1701-3-17	(SANS 1701- 3-17)	1996	1	2005-04-01	SANS 6524:2005
SABS 1701-3-18	(SANS 1701- 3-18)	1996	1	2005-04-01	SANS 6525:2005
SABS 1701-3-19	(SANS 1701- 3-19)	1996	1	2005-04-01	SANS 6526:2005
SABS 1701-3-20	(SANS 1701- 3-20)	1996	1	2005-03-04	SANS 6691:2005
SABS 1701-3-21	(SANS 1701- 3-21)	1996	1	2005-07-15	SANS 3548:2005
SABS 1701-3-22	(SANS 1701- 3-22)	1996	1	2005-07-15	SANS 12306:2005
SABS 1701-4	0000000000	1996	1	2001-02-02	CANC 0004/0000
SABS 1701-5-8	(SANS 1701- 5-8)	1997	1	2005-07-15	SANS 2394.2003
SABS 1701-5-9	(SANS 1701- 5-9)	1997	1	2005-04-22	SANS 344.2005
SABS 1701-5-10	(SANS 1701- 5-10)	1997	1	2005-04-22	SANS 6446.2005
SABS 1701-5-11	(SANS 1701- 5-11)	1997	1	2005-04-01	SANS 8314:2005
SABS 1701-5-12	(SANS 1701- 5-12)	1997	1	2005-04-01	SANS 11687-1:2005
SABS 1701-5-13	(SANS 1701- 5-13)	1997	1	2005-08-05	SANS 11687-2:2005
SABS 1701-5-14	(SANS 1701- 5-14)	1997	1	2005-04-01	SANS 11687-3:2005
SABS 1701-6-1	(SANS 1701- 6-1)	1997	1	2005-02-25	SANS 357-17:2005

Standards South Africa Catalogue 2013 WD - 59

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS 1701-6-3	(SANS 1701- 6-3)	1997	1	2005-03-04	SANS 4384-1:2005
SABS 1701-6-4	(SANS 1701- 6-4)	1997	1	2005-03-04	SANS 4384-2:2005
SABS 1701-6-5	(SANS 1701- 6-5)	1997	1	2005-04-01	SANS 4385:2005
SABS 1701-6-6	(SANS 1701- 6-6)	1997	1	2005-04-22	SANS 4386-1:2005
SABS 1701-6-7	(SANS 1701- 6-7)	1997	1	2005-04-01	SANS 4386-2:2005
SABS 1701-6-8	(SANS 1701- 6-8)	1997	1	2005-04-01	SANS 4386-3:2005
SABS 1701-6-9	(SANS 1701- 6-9)	1997	1	2005-04-22	SANS 5949:2005
SABS 1701-6-10	(SANS 1701- 6-10)	1997	1	2005-02-25	SANS 350-2:2005
SABS 1701-6-11	(SANS 1701- 6-11)	1997	1	2005-04-01	SANS 12301:2005
SABS 1701-6-12	(SANS 1701- 6-12)	1997	1	2005-04-01	SANS 12302:2005
SABS 1701-6-13	(SANS 1701- 6-13)	1997	1	2005-04-01	SANS 12308:2005
SABS 1701-7-1	(SANS 1701- 7-1)	1997	1	2005-04-01	SANS 429:2005
SABS 1701-7-2	(SANS 1701- 7-2)	1997	1	2005-07-15	SANS 7148-2:2005
SABS 1701-7-5	(SANS 1701- 7-5)	1997	1	2005-07-15	SANS 7148-2:2005
SABS 1701-7-6	(SANS 1701- 7-6)	1997	1	2005-07-15	SANS 7148-2:2005
SABS 1701-7-7	(SANS 1701- 7-7)	1997	1	2005-10-14	SANS 363:2005
SABS 1707	(SANS 1707)	1997	1	2008-09-05	SANS 1707-2:2007
SABS 1708	(SANS 1708)	2003	1.01	2007-11-02	
SABS 1712	(SANS 1712)	1999	1	2005-10-14	
SABS 1754	(SANS 1754)	1998	1	2007-07-20	SANS 342:2006 (SABS 342)
SABS 1760	(SANS 1760)	1998	1	2006-09-08	
SABS 1765	(SANS 1765)	2003	2	2009-03-13	SANS 1973-3:2008
SABS 1773	(SANS 1773)	2000	1	2006-04-07	
SABS 1779	(SANS 1779)	1997	1	2003-10-03	SANS 60282-1:1994 (SABS IEC 60282-1) SANS 60282-2:1995 (SABS IEC 60282-2)
SABS 1783 SET	(SANS 1783 SET)	1997	1	2004-07-02	
SABS 1786-1	(SANS 1786- 1)	1997	1	2003-08-29	
SABS 1788	(SANS 1788)	2003	1.01	2008-06-27	
SABS 1792-1	(SANS 1792- 1)	2008	1.01	2009-01-16	SANS 20067:2006
SABS 1792-2	(SANS 1792- 2)	2004	1.02	2008-12-12	SANS 10019:2008 (SABS 019)
SABS 1808-8	(SANS 1808- 8)	1999	1.01	2004-09-23	
SABS 1832		1999	1	2001-06-08	SANS 1874:2001 (SABS 1874)
SABS 1847-1	(SANS 1847-	1999	1	2005-04-08	
SABS 2220-1.2	(SANS 2220- 1-2)	2006	1.01	2010-07-09	SANS 60839-2-3:2010
SABS 2220-1.3	(SANS 2220- 1-3)	2006	1.01	2010-07-09	SANS 60839-2-4:2010
SABS 2220-1.4	(SANS 2220- 1-4)	2007	1.01	2010-07-09	SANS 60839-2-5:2010

Standards South Africa Catalogue 2013 WD - 60

Withdrawn standard		Issue	Ed 	Date withdrawn	Replaced by
SABS 2220-1.5	(SANS 2220- 1-5)	2007	1.01	2010-07-09	SANS 60839-2-6:2010
SABS 2220-3.1		1994	1	1999-05-28	SANS 60335-2-76:1997 (SABS IEC 60335-2-76)
SABS 7799-2	(SANS 17799-2)	2003	2	2007-06-29	SANS 27001:2006
SABS 7812	(SANS 7812)	2000	1	2005-08-12	ARP 7812:2005
	(SANS 1518- 2)	2004	1	2005-12-14	SANS 1518:2005 (SABS 1518)
	(SANS 1518- 1)	2004	1	2005-12-14	SANS 1518:2005 (SABS 1518)
	(SANS 1904)	2003	1	2004-10-15	SANS 52566-1:2004
	(SANS 1927)	2003	1	2009-03-13	
	(SANS 1973- 7)	2008	1	2012-12-07	SANS 61641:2008
	(SANS 204-3) 2008	1	2011-08-19	SANS 204:2011
	(SANS 1808- 85)	2004	1	2011-05-13	SANS 16422:2007
	(SANS 310-1) 2007	1	2011-03-25	SANS 310:2011
	(SANS 331)	2005	1	2010-05-21	
	(SANS 204-2) 2008	1	2011-08-19	SANS 204:2011
	(SANS 204-1) 2008	1	2011-08-19	SANS 204:2011
	(SANS 377)	2005	1	2012-11-23	SANS 3859:2012
	(SANS 379)	2005	1	2012-11-23	SANS 3697:2012
SABS BS 7491-1		1991	1	1999-10-29	SANS 1847-1:1999 (SABS 1847-1)
SABS BS 7491-2	(SANS 7491- 2)	1992	1	2010-11-05	SANS 53280:2009
SABS BS 7491-3	(SANS 7491- 3)	1994	1	2010-11-05	SANS 53280:2009
	(SANS 15000-1)	2004	1	2009-02-06	SANS 20000-2:2006
	(SANS 398-3) 2005	1	2010-10-01	SANS 51004:2009
	(SANS 15000-2)	2004	1	2009-02-06	SANS 20000-1:2006
SABS CISPR 16-1	(SANS 216-1) 2003	2.01	2004-09-03	SANS 216-1-1:2004 SANS 216-1-2:2004 SANS 216-1-3:2004 SANS 216-1-4:2004 SANS 216-1-5:2004
SABS CISPR 16-2	(SANS 216-2) 2003	2	2004-09-03	SANS 216-2-1:2004 SANS 216-2-2:2004 SANS 216-2-3:2004 SANS 216-2-4:2004
SABS CISPR 21	(SANS 221)	1999	1	2008-10-10	SANS 225:2008
	(SANS 216-4) 2003	1	2004-09-03	SANS 216-4-1:2004 SANS 216-4-2:2004 SANS 216-4-3:2004 SANS 216-4-4:2004
	(SANS 219)	2005	1	2010-09-17	
SABS EN 54-8	,	1982	1	2002-01-31	SANS 50054-5:2000 (SABS EN 54-5)
SABS EN 54-9		1982	1	2002-01-31	SANS 50054-7:2000 (SABS EN 54-7)
SABS EN 136-10	(SANS 50136-10)	1992	1	2005-09-16	SANS 50136:1998 (SABS EN 136)
SABS EN 139	(SANS 50139)	1994	1	2007-05-18	SANS 54593-1:2006 SANS 54593-2:2006 SANS 54594:2006
SABS EN 196-21	(SANS 50196-21)	1989	1	2006-06-23	SANS 50196-2:2006 (SABS EN 196-2)
SABS ENV 197-1	,	1992	1	2002-03-25	SANS 50197-1:2000 (SABS EN 197-1)
SABS ENV 197-2		1995	1	2002-03-25	SANS 50197-2:2000 (SABS EN 197-2)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS EN 271	(SANS 50271)	1995	1	2007-05-18	SANS 54594:2006
SABS EN 312-1	(SANS 50312-1)	1996	1	2008-03-20	SANS 50312:2007
SABS EN 312-2	(SANS 50312-2)	1996	1	2008-03-20	SANS 50312:2007
SABS EN 312-3	(SANS 50312-3)	1996	1	2008-03-20	SANS 50312:2007
SABS EN 312-4	(SANS 50312-4)	1996	1	2008-03-20	SANS 50312:2007
SABS EN 312-5	(SANS 50312-5)	1997	1	2008-03-20	SANS 50312:2007
SABS EN 312-6	(SANS 50312-6)	1996	1	2009-10-09	SANS 50312:2007
SABS EN 312-7	(SANS 50312-7)	1997	1	2008-03-20	SANS 50312:2007
SABS EN 400	(SANS 50400)	1993	1	2007-11-30	SANS 53794:2007
SABS EN 401	(SANS 50401)	1993	1	2007-11-30	SANS 53794:2007
SABS EN 440	(SANS 50440)	1994	1	2009-05-22	SANS 14341:2009
SABS EN 473		1993	1	2000-02-25	SANS 9712:1999 (SABS ISO 9712)
SABS EN 578	(SANS 50578)	1993	1	2011-05-06	SANS 7686:2010
SABS EN 730	(SANS 50730)	1995	1	2004-06-04	SANS 50730-1:2004
SABS EN 921	(SANS 50921)	1994	1	2007-09-07	SANS 130-1:2007
SABS EN 1061	(SANS 51061)	1996	1	2007-11-30	SANS 53794:2007
SABS EN 1600	(SANS 51600)	1997	1	2010-11-12	SANS 3580:2006 (SABS ISO 3580) SANS 3581:2008 (SABS ISO 3581)
SABS EN 10203	(SANS 30)	1991	1	2008-06-13	SANS 27:2008 (SABS EN 10202)
SABS EN 50060	(SANS 50060)	1989	1	2011-03-31	SANS 60974-6:2009
SABS EN 50091-1	(SANS 50091-1)	1993	1	2007-06-15	SANS 62040-1-1:2003
SABS EN 50091-2	(SANS 50091-2)	1995	1	2007-06-15	SANS 62040-1-2:2003
SABS EN 300279	(SANS 300279)	1999	1	2003-10-03	SANS 301489-5:2003
SABS EN 300339	(SANS 300339)	1998	1	2011-09-23	SANS 301489-1:2005 (SABS ETSI EN 301489-1)
SABS EN 300386-2	(SANS 300386-2)	1997	1	2006-09-22	SANS 300386:2006 (SABS ETSI EN 300386)
	(SANS 278)	2004	1	2010-10-22	SANS 54594:2006
	(SANS 50280)	2004	1	2008-10-03	SANS 16368:2007
	(SANS 51413)	2003	1	2007-03-23	SANS 3071:2007
	(SANS 74-2)	2003	1	2008-10-03	SANS 329:2008
	(SANS 51835)	2004	1	2010-10-22	SANS 54594:2006
	(SANS 50868-1)	2003	1	2009-07-03	SANS 11607-1:2007
	(SANS 51714)	2005	1	2012-10-26	SANS 17640:2012
	(SANS 264)	2003	1	2004-09-23	
	(SANS 21)	2003	1	2009-07-31	SANS 21-1:2009
SABS ETR 053		1996	1	2000-07-14	SANS 100053:1998 (SABS ETSI TR 100053)
SABS 1785	(SANS 1785)	1997	1	2006-06-02	SANS 300328:2004

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS ETS 300329	(SANS 300329)	1997	1	2002-11-28	SANS 301489-6:2000 (SABS ETSI EN 301489-6)
SABS ETS 300342-1	(SANS 300342-1)	1997	1	2002-11-28	SANS 301489-7:2000 (SABS ETSI EN 301489-7)
SABS ETSI EN 300385	(SANS 300385)	1999	1	2003-01-31	SANS 301489-4:2000 (SABS ETSI EN 301489-4)
SABS ETS 300386-1	(SANS 300386-1)	1994	1	2006-09-22	SANS 201468:2004 SANS 101651:2005
SABS ETS 300447	(SANS 300447)	1997	1	2006-09-22	SANS 301489-11:2004
SABS ETSI EN 300673	(SANS 300673)	2000	1	2002-11-28	SANS 301489-12:2000 (SABS ETSI EN 301489-12)
SABS ETS 300682	(SANS 300682)	1997	1	2003-10-03	SANS 301489-2:2000 (SABS ETSI EN 301489-2)
SABS ETS 300683	(SANS 300683)	1997	1	2003-10-03	SANS 301489-3:2001 (SABS ETSI EN 301489-3)
SABS ETS 300826	(SANS 300826)	1997	1	2002-11-28	SANS 301489-17:2000 (SABS ETSI EN 301489-17)
	(SANS 300086)	2002	1	2005-11-21	SANS 300086-1:2005 SANS 300086-2:2005
SABS IEC 60034-2	(SANS 60034-2)	1972	1	2010-08-20	SANS 60034-2-1:2008
SABS IEC 60034-10	(SANS 60034-10)	1975	1	2007-05-18	
SABS IEC 60034-11-2	2	1984	1	2000-08-25	
SABS IEC 60034-11-3	1	1984	1	2000-08-25	
SABS IEC 60034-13		1980	1	2000-08-25	
SABS IEC 60034-18- 21	(SANS 60034-18-21)	1992	1	2013-03-15	
SABS IEC 60034-18- 31	(SANS 60034-18-31)	1992	1	2013-03-15	
SABS IEC 60056	(SANS 60056)	1987	1	2003-02-07	SANS 62271-100:2001 (SABS IEC 62271-100)
SABS IEC 60076-3-1	(SANS 60076-3-1)	1987	1	2002-12-13	SANS 60076-3:2000 (SABS IEC 60076-3)
SABS IEC 60079-1A	(SANS 60079-1A)	1975	1	2005-02-25	SANS 60079-1-1:2004
SABS IEC 60079-3		1990	1	2000-02-18	SANS 60079-11:1999 (SABS IEC 60079-11)
SABS IEC 60079-4	(SANS 60079-4)	1975	1	2013-02-08	SANS 60079-20-1:2010
SABS IEC 60079-10	(SANS 60079-10)	2005	3	2010-08-20	SANS 60079-10-1:2010
SABS IEC 60079-12	(SANS 60079-12)	1978	1	2011-05-27	SANS 60079-20-1:2010
SABS IEC 60079-20	(SANS 60079-20)	1996	1	2011-05-27	SANS 60079-20-1:2010
SABS IEC 60129	(SANS 60129)	1984	1	2003-07-25	SANS 62271-102:2003
SABS IEC 60146-3		1977	1	2001-03-29	SANS 60146-2:1999 (SABS IEC 60146-2)
SABS IEC 60146-4		1986	1	2001-03-29	SANS 62040-3:1999 (SABS IEC 62040-3)
SABS IEC 60146-5		1988	1	2001-03-29	SANS 62040-3:1999 (SABS IEC 62040-3)
SABS IEC 60185		1987	1	1999-11-19	SANS 60044-1:1996 (SABS IEC 60044-1)
SABS IEC 60186	(SANS 60186)	1987	1	2006-12-15	SANS 60044-2:2003 (SABS IEC 60044-2) SANS 60044-5:2005
SABS IEC 60233	(SANS 60233)	1974	1	2005-07-22	SANS 62155:2003
SABS IEC 60252	,	1993	1	2002-06-07	SANS 60252-1:2001 (SABS IEC 60252-1)
SABS IEC 60265-1	(SANS 60265-1)	1998	2	2012-08-24	SANS 62271-103:2012
SABS IEC 60265-2	(SANS 60265-2)	1988	1	2012-07-20	SANS 62271-104:2009

Withdrawn standard		Issue	Ed 	Date withdrawn	Replaced by
SABS IEC 60269-2-1	(SANS 60269-2-1)	2005	4	2007-06-01	SANS 60269-2:2007 (SABS IEC 60269-2)
SABS IEC 60269-3-1	(SANS 60269-3-1)	2005	2	2007-06-01	SANS 60269-3:2007 (SABS IEC 60269-3)
SABS IEC 60298	(SANS 60298)	1990	1	2006-11-10	SANS 62271-200:2004
SABS IEC 60309-3		1994	1	2000-08-04	
SABS IEC 60320		1981	1	1994-10-17	SANS 60320-1:1994 (SABS IEC 60320-1)
SABS IEC 60332-1	(SANS 60332-1)	1993	1	2006-02-16	SANS 60332-1-1:2005 SANS 60332-1-2:2005 SANS 60332-1-3:2005
SABS IEC 60332-2	(SANS 60332-2)	1989	1	2005-05-27	SANS 60332-2-1:2005 SANS 60332-2-2:2005
SABS IEC 60332-3	(SANS 60332-3)	1992	1	2003-02-14	SANS 60332-3-10:2000 (SABS IEC 60332-3-10) SANS 60332-3-21:2000 (SABS IEC 60332-3-21) SANS 60332-3-22:2000 (SABS IEC 60332-3-22) SANS 60332-3-23:2000 (SABS IEC 60332-3-23) SANS 60332-3-24:2000 (SABS IEC 60332-3-24) SANS 60332-3-25:2000 (SABS IEC 60332-3-25)
SABS IEC 60335-2-18		1984	1	1995-03-06	SANS 60335-1:1991 (SABS IEC 60335-1)
SABS IEC 60335-2-19		1984	1	1995-03-06	SANS 60335-1:1991 (SABS IEC 60335-1)
SABS IEC 60335-2-20		1984	1	1995-03-06	SANS 60335-1:1991 (SABS IEC 60335-1)
SABS IEC 60335-2-21		1989	1	2000-08-31	SANS 60335-2-21:2000 (SABS 60335-2-21)
SABS IEC 60335-2-33		1987	1	1995-04-03	SANS 60335-2-14:1994 (SABS IEC 60335-2-14)
SABS IEC 60335-2-46		1986	1	1995-08-21	SANS 60335-2-42:1994 (SABS IEC 60335-2-42)
SABS IEC 60335-2-57		1989	1	2001-11-30	SANS 60335-2-24:2000 (SABS IEC 60335-2-24)
SABS IEC 60335-2-63		1990	1	2001-11-30	SANS 60335-2-75:1995 (SABS IEC 60335-2-75)
SABS IEC 60335-2-77		1996	1	2000-07-21	SANS 60335-2-77:2000 (SABS 60335-2-77)
SABS IEC 60420	(SANS 60420)	1990	1	2003-07-25	SANS 62271-105:2003
SABS IEC 60442		1973	1	1999-03-12	
SABS IEC 60470	(SANS 60470)	2008	2	2012-07-20	SANS 62271-106:2012
SABS IEC 60478-1	(SANS 60478-1)	1974	1	2008-01-18	
SABS IEC 60478-2	(SANS 60478-2)	1986	1	2003-08-22	SANS 61204:1993 (SABS IEC 61204)
SABS IEC 60478-3		1989	1	2001-08-20	SANS 61204-3:2000 (SABS IEC 61204-3)
SABS IEC 60478-5	(SANS 60478-5)	1993	1	2008-01-18	
SABS IEC 60514	(SANS 60514)	1975	1	2012-07-06	SANS 62058-11:2011 SANS 62058-21:2011
SABS IEC 60521	(SANS 60521)	1988	1	2003-09-19	SANS 62052-11:2003 SANS 62053-21:2003
SABS IEC 60570-2-1	(SANS 60570-2-1)	2001	1.01	2007-05-04	SANS 60570:1995 (SABS IEC 60570)
SABS IEC 60591	(SANS 60591)	1978	1	2003-06-13	
SABS IEC 60598-2-22		1997	1	2002-02-15	SANS 1464-22:1998 (SABS 1464-22)
SABS IEC 60651	(SANS 60651)	2001	1.02	2004-04-30	SANS 61672-1:2003 SANS 61672-2:2003
SABS IEC 60670	(SANS 60670)	1989	1	2003-08-01	SANS 60670-1:2003
SABS IEC 60686	(SANS 60686)	1980	1	2008-09-19	
SABS IEC 60694	(SANS 60694)	2003	2.02	2012-08-24	SANS 62271-1:2012
SABS IEC 60730-2-1	(SANS 60730-2-1)	1989	1	2007-10-19	SANS 60730-1:2007 (SABS IEC 60730-1)

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS IEC 60742	(SANS 60742)	1983	1	2002-11-15	SANS 61558-2-6:1997 (SABS IEC 61558-2-6) SANS 61558-2-7:1997 (SABS IEC 61558-2-7) SANS 61558-2-17:1997 (SABS IEC 61558-2-17) SANS 61558-1:1997 (SABS IEC 61558-1) SANS 61558-2-1:1997 (SABS IEC 61558-2-1) SANS 61558-2-2:1997 (SABS IEC 61558-2-1) SANS 61558-2-4:1997 (SABS IEC 61558-2-2) SANS 61558-2-4:1997 (SABS IEC 61558-2-4) SANS 61558-2-5:1997 (SABS IEC 61558-2-4) SANS 61558-2-8:1998 (SABS IEC 61558-2-5) SANS 61558-2-15:1999 (SABS IEC 61558-2-8) SANS 61558-2-3:1999 (SABS IEC 61558-2-15) SANS 61558-2-3:1999 (SABS IEC 61558-2-3) SANS 61558-2-3:1999 (SABS IEC 61558-2-3) SANS 61558-2-23:2000 (SABS IEC 61558-2-23) SANS 61558-2-19:2000 (SABS IEC 61558-2-20) SANS 61558-2-19:2000 (SABS IEC 61558-2-19)
SABS IEC 60793-1-2	(SANS 60793-1-2)	1995	1	2002-11-28	SANS 60793-1-21:2001 (SABS IEC 60793-1-21) SANS 60793-1-22:2001 (SABS IEC 60793-1-22)
SABS IEC 60793-1-3	(SANS 60793-1-3)	2000	2	2003-01-31	SANS 60793-1-30:2001 (SABS IEC 60793-1-30) SANS 60793-1-31:2001 (SABS IEC 60793-1-31) SANS 60793-1-32:2001 (SABS IEC 60793-1-32) SANS 60793-1-33:2001 (SABS IEC 60793-1-33) SANS 60793-1-34:2001 (SABS IEC 60793-1-34)
SABS IEC 60793-1-4	(SANS 60793-1-4)	1995	1	2003-02-14	SANS 60793-1-40:2001 (SABS IEC 60793-1-40) SANS 60793-1-41:2001 (SABS IEC 60793-1-41) SANS 60793-1-42:2001 (SABS IEC 60793-1-42) SANS 60793-1-43:2001 (SABS IEC 60793-1-43) SANS 60793-1-44:2001 (SABS IEC 60793-1-44) SANS 60793-1-45:2001 (SABS IEC 60793-1-45) SANS 60793-1-46:2001 (SABS IEC 60793-1-46) SANS 60793-1-47:2001 (SABS IEC 60793-1-47)
SABS IEC 60793-1-5	(SANS 60793-1-5)	1995	1	2003-01-31	SANS 60793-1-50:2001 (SABS IEC 60793-1-50) SANS 60793-1-51:2001 (SABS IEC 60793-1-51) SANS 60793-1-52:2001 (SABS IEC 60793-1-52) SANS 60793-1-53:2001 (SABS IEC 60793-1-53)
SABS IEC 60793-1		1992	1	1998-05-04	SANS 60793-1-3:1995 (SABS IEC 60793-1-3) SANS 60793-1-4:1995 (SABS IEC 60793-1-4) SANS 60793-1-5:1995 (SABS IEC 60793-1-5) SANS 60793-1-1:1995 (SABS IEC 60793-1-1) SANS 60793-1-2:1995 (SABS IEC 60793-1-2)
SABS IEC 60793-2	(SANS 60793-2)	1998	2	2003-01-31	SANS 60793-2-10:2002 SANS 60793-2-20:2002 SANS 60793-2-30:2002 SANS 60793-2-40:2002 SANS 60793-2-50:2002 SANS 60793-2:2004 (SABS IEC 60793-2)
SABS IEC 60794-1		1996	1	2000-01-28	SANS 60794-1-1:1999 (SABS IEC 60794-1-1) SANS 60794-1-2:1999 (SABS IEC 60794-1-2)
SABS IEC 60794-4-1	(SANS 60794-4-1)	1999	1	2006-02-16	
SABS IEC 60799		1984	1	1999-07-22	VC 8029:1998
SABS IEC 60804	(SANS 60804)	2000	2	2004-04-30	SANS 61672-1:2003 SANS 61672-2:2003
SABS IEC 60815	(SANS 60815)	1986	1	2009-04-24	SANS 60815-1:2009 SANS 60815-2:2009 SANS 60815-3:2009
SABS IEC 60874-0		1988	1	2001-11-09	
SABS IEC 60874-2	(SANS 60874-2)	1993	1	2003-06-13	
SABS IEC 60874-3		1993	1	1999-06-04	
SABS IEC 60874-4		1993	1	1999-06-04	
SABS IEC 60874-5		1993	1	1999-06-04	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS IEC 60874-6	(SANS	1993	1	2003-06-13	
SABS IEC 60874-7	60874-6) (SANS	1993	1	2003-06-13	
SABS IEC 60874-8	60874-7)	1993	1	2003-06-13	
	60874-8)	1990			
SABS IEC 608/4-9		1993	1	1999-06-04	
SABS IEC 60874-10-3	60874-10-3)	1997	1	2007-08-03	
SABS IEC 60874-10	(SANS 60874-10)	1992	1	2003-06-13	
SABS IEC 60874-11		1993	1	1999-06-04	
SABS IEC 60874-12		1993	1	1999-06-04	
SABS IEC 60874-13		1993	1	1999-06-04	
SABS IEC 60874-14	(SANS 60874-14)	1993	1	2003-06-13	
SABS IEC 60874-16	(SANS 60874-16)	1994	1	2007-08-03	
SABS IEC 60896-1	(SANS 60896-1)	1987	1	2004-07-09	SANS 60896-11:2003
SABS IEC 60896-2	(SANS 60896-2)	1995	1	2005-02-18	SANS 60896-21:2004
SARS IEC 60898	00000 2)	1995	1	1999-11-26	
SABS IEC 60020		1000	1	2002-06-28	SANS 61347-2-8-2000 (SABS JEC 61347-2-8)
SADS ILC 00920		1990	I	2002-00-20	SANS 61347-2:000 (SABS IEC 61347-2:0) SANS 61347-1:2000 (SABS IEC 61347-1) SANS 61347-2:11:2001 (SABS IEC 61347-2:11)
		1007	0	2002 01 25	SANS 01347-2-11.2001 (SADS IEC 01347-2-11)
SABS IEC 60922		1997	2	2002-01-25	SANS 61347-2-9.2000 (SABS IEC 61347-2-9) SANS 61347-1:2000 (SABS IEC 61347-1)
SABS IEC 60924		1990	1	2002-01-25	SANS 61347-2-4:2000 (SABS IEC 61347-2-4)
					SANS 61347-2-5:2000 (SABS IEC 61347-2-5)
					SANS 61347-2-6:2000 (SABS IEC 61347-2-6)
					SANS 61347-2-7:2000 (SABS IEC 61347-2-7)
					SANS 61347-1:2000 (SABS IEC 61347-1)
SABS IEC 60926		1995	2	2002-01-25	SANS 61347-2-1:2000 (SABS IEC 61347-2-1)
					SANS 61347-1:2000 (SABS IEC 61347-1)
SABS IEC 60928		1999	2.02	2002-01-25	SANS 61347-2-3:2000 (SABS IEC 61347-2-3)
					SANS 61347-1:2000 (SABS IEC 61347-1)
SABS IEC 60950	(SANS 60950)	1999	2	2003-07-18	SANS 60950-1:2003
SABS IEC 60967	,	1988	1	1999-07-09	SANS 60335-2-17:1998 (SABS IEC 60335-2-17)
SABS IEC 61011		1989	1	1998-09-18	SANS 60335-2-76:1997 (SABS JEC 60335-2-76)
SARS IEC 61011 1		1090		1008-00-18	SANS 60335-2-76-1997 (SABS JEC 60335-2-76)
		1909	1 4	1990-09-10	CANC 00000 2 70:1007 (CADC IEC 00000 2 70)
SABS IEC 61011-2	(0.1.10	1990	1	1998-09-18	SANG 00335-2-70.1997 (SABS IEC 00335-2-70)
SABS IEC 61024-1	(SANS 61024-1)	1990	1	2007-06-01	SANS 62305-3:2007
SABS IEC 61024-1-1	(SANS 61024-1-1)	1993	1	2007-06-01	SANS 62305-1:2007
SABS IEC 61024-1-2	(SANS 61024-1-2)	1998	1	2007-06-01	SANS 62305-3:2007
SABS IEC 61036	(SANS 61036)	2000	2.01	2003-09-19	SANS 62052-11:2003 SANS 62053-21:2003
SABS IEC 61046		1993	2	2002-01-25	SANS 61347-2-2:2000 (SABS IEC 61347-2-2) SANS 61347-1:2000 (SABS IEC 61347-1)
SABS IEC 61107	(SANS 61107)	1996	1	2003-09-19	SANS 62056-21:2003
SABS IEC 61131-1	(SANS 61131-1)	1992	1	2004-12-15	
SABS IEC 61131-2	(SANS 61131-2)	1992	1	2004-12-15	
SABS IEC 61131-3	(SANS 61131-3)	1993	1	2004-12-15	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS IEC 61131-4	(SANS 61131-4)	1995	1	2007-04-20	
SABS IEC 61136-1	(SANS 61136-1)	1992	1	2007-09-14	SANS 61800-6:2005
SABS IEC 61202-1	(SANS 61202-1)	2000	2	2007-08-03	
SABS IEC TR 61218		1993	1	1999-01-21	
SABS IEC 61241-1-1	(SANS 61241-1-1)	1999	2	2005-05-27	SANS 61241-1:2005
SABS IEC 61241-1-2	(SANS 61241-1-2)	1999	2	2005-05-27	SANS 61241-14:2005
SABS IEC 61241-3	(SANS 61241-3)	1997	1	2005-05-20	SANS 61241-10:2005
SABS IEC 61264	(SANS 61264)	1998	1	2005-07-08	SANS 62155:2003
SABS IEC 61274-1	(SANS 61274-1)	1994	1	2007-08-03	
SABS IEC 61274-1-1	(SANS 61274-1-1)	2007	2	2007-08-03	
SABS IEC 61312-1	(SANS 61312-1)	1995	1	2007-06-01	SANS 62305-4:2007
SABS IEC TS 61312- 2	(SANS 61312-2)	1999	1	2007-06-01	SANS 62305-4:2007
SABS IEC 61312-4	(SANS 61312-4)	1998	1	2007-06-01	SANS 62305-4:2007
SABS IEC 61326-1	(SANS 61326-1)	2000	1.02	2007-11-16	SANS 61326-1:2007
SABS IEC 61330	(SANS 61330)	1995	1	2007-11-23	SANS 62271-202:2007
SABS IEC 61358	(SANS 61358)	1996	1	2012-07-06	SANS 62058-11:2011 SANS 62058-21:2011
SABS IEC 61558-2-17	(SANS 61558-2-17)	1997	1	2013-02-08	SANS 61558-2-16:2010
SABS IEC 61558-2-19	(SANS 61558-2-19)	2000	1	2013-02-08	SANS 61558-2-16:2010
SABS IEC 61662	(SANS 61662)	1995	1	2007-06-01	SANS 62305-2:2007
SABS IEC 61757-1	(SANS 61757-1)	1998	1	2007-08-03	
SABS IEC 61779-6	(SANS 61779-6)	1999	1	2012-08-24	SANS 60079-29-2:2012
SABS IEC TS 61941	(SANS 61941)	2004	1.01	2006-02-16	
SABS IEC 61958	(SANS 61958)	2000	1	2012-08-24	SANS 62271-206:2011
SABS IEC 61960-2	(SANS 61960-2)	2001	1	2005-12-02	SANS 62133:2005 SANS 61960:2005 SANS 61959:2005
	(SANS 60034-18-34)	2006	1	2013-03-15	
	(SANS 61241-18)	2005	1	2010-12-09	SANS 60079-18:2009 (SABS IEC 60079-18)
	(SANS 60849)	2005	1	2008-08-15	SANS 7240-16:2008 SANS 7240-19:2008
	(SANS 61241-17)	2006	1	2009-10-23	SANS 60079-17:2009 (SABS IEC 60079-17)
	(SANS 61663-1)	2006	1	2007-01-19	
	(SANS 61663-2)	2006	1	2007-01-19	
	(SANS 61960-1)	2002	1	2005-12-02	SANS 62133:2005 SANS 61960:2005 SANS 61959:2005

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
	(SANS 61312-3)	2006	1	2010-06-25	SANS 62305-4:2007
	(SANS 61241-1)	2005	1	2010-12-09	SANS 60079-31:2009
	(SANS 61241-10)	2005	1	2010-08-20	SANS 60079-10-2:2009
	(SANS 61241-14)	2005	1	2011-05-27	SANS 60079-14:2009 (SABS IEC 60079-14)
	(SANS 60269-4-1)	2006	1	2007-06-01	SANS 60269-4:2007 (SABS IEC 60269-4)
	(SANS 60079-1-1)	2004	1	2010-12-09	SANS 60079-20-1:2010
	(SANS 60331-12)	2003	1	2010-04-16	SANS 60331-1:2009
	(SANS 62086-2)	2003	1	2009-10-23	SANS 60079-30-2:2007
	(SANS 62086-1)	2003	1	2009-10-23	SANS 60079-30-1:2007
	(SANS 62040-1-1)	2003	1	2008-12-12	SANS 62040-1:2008
	(SANS 62040-1-2)	2003	1	2008-12-12	SANS 62040-1:2008
	(SANS 60331-31)	2003	1	2010-04-16	SANS 60331-1:2009
SABS ISO 83	(SANS 36)	1976	1	2007-03-16	SANS 148-1:2007
SABS ISO 105-C01	(SANS 105- C01)	1989	1	2007-02-02	SANS 105-C10:2007
SABS ISO 105-C02	(SANS 105- C02)	1989	1	2007-02-02	SANS 105-C10:2007
SABS ISO 105-C03	(SANS 105- C03)	1989	1	2007-02-02	SANS 105-C10:2007
SABS ISO 105-C04	(SANS 105- C04)	1989	1	2007-02-02	SANS 105-C10:2007
SABS ISO 105-C05	(SANS 105- C05)	1989	1	2007-02-02	SANS 105-C10:2007
SABS ISO 105-F	(SANS 105-F	⁻) 1985	1	2010-03-05	SANS 105-F01:2001 (SABS ISO 105-F01) SANS 105-F03:2001 (SABS ISO 105-F03) SANS 105-F04:2001 (SABS ISO 105-F04) SANS 105-F05:2001 (SABS ISO 105-F05) SANS 105-F07:2001 (SABS ISO 105-F07) SANS 105-F06:2000 (SABS ISO 105-F06) SANS 105-F02:2009 SANS 105-F09:2009
SABS ISO 146	(SANS 1146)) 1984	1	2004-09-17	SANS 6507-2:1997 (SABS ISO 6507-2)
SABS ISO 148	(SANS 148)	1983	1	2007-03-16	SANS 148-1:2007
SABS ISO 156	(SANS 37)	1982	1	2004-09-17	SANS 6507-2:1997 (SABS ISO 6507-2)
SABS ISO 335	(SANS 335)	1974	1	2008-11-21	
SABS ISO 385-1	(SANS 115-1	I) 1984	1	2009-10-09	SANS 115:2009
SABS ISO 385-2	(SANS 115-2	2) 1984	1	2009-10-09	SANS 115:2009
SABS ISO 385-3	(SANS 115-3	3) 1984	1	2009-10-09	SANS 115:2009
SABS ISO 409-1		1982	1	1999-02-12	SANS 6507-1:1997 (SABS ISO 6507-1)
SABS ISO 409-2		1983	1	1999-02-12	SANS 6507-1:1997 (SABS ISO 6507-1)
SABS ISO 410	(SANS 41)	1982	1	2004-09-17	SANS 6506-1:2003
SABS ISO/R 442	(SANS 42)	1965	1	2011-03-18	
SABS ISO 640	、 /	1984	1	1999-07-16	SANS 6507-3:1997 (SABS ISO 6507-3)
SABS ISO 674	(SANS 55)	1988	1	2004-09-17	SANS 6508-3:2003
SABS ISO 679	(SANS 57)	1989	1	2006-01-27	SANS 50196-1:1994 (SABS EN 196-1)
SABS ISO 716	(SANS 59)	1986	1	2004-09-17	SANS 6508-2:2003
SABS ISO 726	(SANS 119)	1982	1	2008-08-01	SANS 6506-3:2003
SABS ISO 835-1	(SANS 111-1	I) 1981	1	2009-10-09	SANS 111:2009

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS ISO 835-2	(SANS 111-2)) 1981	1	2009-10-09	SANS 111:2009
SABS ISO 835-3	(SANS 111-3)) 1981	1	2009-10-09	SANS 111:2009
SABS ISO 835-4	(SANS 111-4)) 1981	1	2009-10-09	SANS 111:2009
SABS ISO 857	(SANS 857)	1990	1	2007-04-20	SANS 857-1:2004
	(,				SANS 857-2:2007
SABS ISO 864	(SANS 864)	1988	1	2004-11-19	
SABS ISO 1024	(SANS 127)	1989	1	2003-03-28	SANS 6508-1:2003
					SANS 6508-3:2003
	(CANC 100)	1007	4	2004 06 24	SANS 11042 1-2004
SADS 150 1043-1	(SANS 129)	1997	1	2004-00-24	SANS 11043-1.2004 SANS 6508-2:2003
SABS 150 1079	(SANS 1079)	1006	1	2007-05-18	SANS 130-1:2007
SABS ISO 1355	(SANS 130)	1080	1	2007-03-18	SANS 6508-3:2003
SABS ISO 1355	(SANS 134)	1909	1	2004-03-17	SANS 10289:2008
SABS ISO 1402	(SANS 133)	1001	1	2007-06-01	SANS 15528:2003
SABS ISO 1512		1973	1	1993-11-26	SANS 3251:1993 (SABS ISO 3251)
SABS ISO 1559	(SANS 1559)	1995	1	2008-12-12	SANS 24234:2008
SABS ISO 1773	(SANS 118)	1976	1	2005-10-28	
SABS ISO 1977-1	(SANS 1977-	1976	1	2007-05-18	SANS 1977:2006
SABS ISO 1977-2	1) (SANS 1977-	1974	1	2007-05-18	SANS 1977:2006
	2)				
SABS ISO 1977-3	(SANS 1977- 3)	1974	1	2007-05-18	SANS 1977:2006
SABS ISO 2480	(SANS 2480)	1972	1	2007-10-19	
SABS ISO 2482	(SANS 2482)	1973	1	2007-10-19	
SABS ISO 2483	(SANS 2483)	1973	1	2007-10-19	
SABS ISO 2505-1	(SANS 2505- 1)	1994	1	2007-05-18	SANS 2505:2007
SABS ISO 2505-2	(SANS 2505- 2)	1994	1	2007-05-18	SANS 2505:2007
SABS ISO 2811		1974	1	1999-10-29	SANS 2811-1:1997 (SABS ISO 2811-1)
SABS ISO 3889	(SANS 3889)	1977	1	2005-10-28	
SABS ISO 3905		1980	1	1999-10-29	SANS 6504-3:1998 (SABS ISO 6504-3)
SABS ISO 4042	(SANS 4042)	1999	2	2008-06-20	
SABS ISO 4074-1	(SANS 4074- 1)	1996	1	2003-08-15	SANS 4074:2003
SABS ISO 4074-2	(SANS 4074- 2)	1994	1	2003-08-15	SANS 4074:2003
SABS ISO 4074-3	(SANS 4074- 3)	1994	1	2003-08-15	SANS 4074:2003
SABS ISO 4074-5	(SANS 4074- 5)	1996	1	2003-08-15	SANS 4074:2003
SABS ISO 4074-6	(SANS 4074- 6)	1996	1	2003-08-15	SANS 4074:2003
SABS ISO 4074-7	(SANS 4074- 7)	1996	1	2003-08-15	SANS 4074:2003
SABS ISO 4074-9	(SANS 4074- 9)	1996	1	2003-08-15	SANS 4074:2003
SABS ISO 4074-10	(SANS 4074- 10)	1990	1	2003-08-15	SANS 4074:2003
SABS ISO 4540	(SANS 4540)	1980	1	2008-11-21	SANS 10289:2008
SABS ISO 4705		1983	1	2002-09-13	SANS 9809-3:2000 (SABS ISO 9809-3) SANS 9809-2:2000 (SABS ISO 9809-2) SANS 9809-1:1999 (SABS ISO 9809-1)
SABS ISO 4797	(SANS 4797)	1981	1	2005-10-28	
SABS ISO 4799	(SANS 4799)	1978	1	2005-10-28	
SABS ISO 4878	(SANS 4878)	1981	1	2007-01-19	SANS 94-1:2003

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS ISO 5088	(SANS 5088)	1976	1	2007-01-26	SANS 1833-2:2007
SABS ISO 5155	(SANS 5155)	1995	2	2010-02-12	SANS 62552:2008
SABS ISO 5177	(SANS 5177)	1981	1	2007-02-09	SANS 547:2006
SABS ISO 5552	(SANS 5552)	1997	1	2005-09-02	SANS 21528-1:2005 SANS 21528-2:2005
SABS ISO 5667-2	(SANS 5667- 2)	1991	1	2013-01-25	SANS 5667-1:2008 (SABS ISO 5667-1)
SABS ISO 6414	, (SANS 6414)	1982	1	2005-10-28	
SABS ISO 6422	(SANS 6422)	1985	1	2009-01-16	
SABS ISO 6506	(SANS 6506)	1981	1	2003-03-28	SANS 6506-1:2003 SANS 6506-3:2003 SANS 6506-2:2003
SABS ISO 6507-2	(SANS 6507- 2)	1983	1	1999-02-12	SANS 6507-1:1997 (SABS ISO 6507-1) SANS 6507-2:1997 (SABS ISO 6507-2)
SABS ISO 6507-3	(SANS 6507- 3)	1989	1	1999-02-12	SANS 6507-1:1997 (SABS ISO 6507-1) SANS 6507-3:1997 (SABS ISO 6507-3)
SABS ISO 6508	(SANS 6508)	1986	1	2003-03-28	SANS 6508-1:2003 SANS 6508-3:2003 SANS 6508-2:2003
SABS ISO 6520	(SANS 6520)	1982	1	2006-10-13	SANS 6520-1:2005 SANS 6520-2:2004
SABS ISO 6878-1		1986	1	2000-02-04	SANS 6878:1998 (SABS ISO 6878)
SABS ISO 6892	(SANS 6892)	1998	2	2011-03-18	SANS 6892-1:2010
SABS ISO 6926	(SANS 6926)	1999	1	2004-01-16	
SABS ISO 7284	(SANS 7284)	1993	1	2010-09-10	
SABS ISO 7371	(SANS 7371)	1995	2	2010-02-12	SANS 62552:2008
SABS ISO 7389	(SANS 7389)	1987	1	2006-12-08	
SABS ISO 7390	(SANS 7390)	1987	1	2006-12-08	
SABS ISO 7402	(SANS 7402)	1993	1	2005-09-02	SANS 21528-1:2005 SANS 21528-2:2005
SABS ISO/IEC 7811-3	8 (SANS 7811- 3)	1995	1	2004-04-23	SANS 7811-1:2004 (SABS ISO/IEC 7811-1)
SABS ISO/IEC 7811-4	(SANS 7811- 4)	1995	1	2004-04-23	SANS 7811-2:2004 (SABS ISO/IEC 7811-2)
SABS ISO/IEC 7811-5	5 (SANS 7811- 5)	1995	1	2004-04-23	SANS 7811-2:2004 (SABS ISO/IEC 7811-2)
SABS ISO 7816-1		1987	1	1999-10-29	SANS 7816-1:1998 (SABS ISO/IEC 7816-1)
SABS ISO 7816-2		1988	1	1999-10-29	SANS 7816-2:1999 (SABS ISO/IEC 7816-2)
SABS ISO 8187	(SANS 8187)	1991	1	2010-02-12	SANS 62552:2008
SABS ISO 8294	(SANS 8294)	1994	1	2007-10-19	
SABS ISO 8306	(SANS 8306)	1985	1	2007-03-02	SANS 12488-1:2007
SABS ISO 8339	(SANS 8339)	1984	1	2006-12-08	
SABS ISO 8340	(SANS 8340)	1984	1	2002-11-15	
SABS ISO 8402		1994	1	2000-12-18	SANS 9000:2000 (SABS ISO 9000)
SABS ISO 8403	(SANS 8403)	1991	1	2008-11-21	SANS 10289:2008
SABS ISO 8490	(SANS 8490)	1986	1	2004-12-10	SANS 20482:2004
SABS ISO 8561	(SANS 8561)	1995	1	2008-06-20	SANS 62552:2008
SABS ISO 9000-1	(SANS 9000- 1)	1994	1	2004-08-27	SANS 9000:2000 (SABS ISO 9000)
SABS ISO 9000-3	(SANS 9000- 3)	1997	2	2004-08-27	SANS 90003:2004
SABS ISO 9002		1994	2	2000-12-18	SAINS 9001:2000 (SABS ISO 9001)
SABS ISO 9003		1994	2	2000-12-18	SANS 9004:0000 (SABS ISO 9001)
SABS ISU 9004-1		1994	1	2000-12-18	SANS 9004.2000 (SARS ISO 9004)
SABS ISO 9004-2		1991	1	2002-03-01	JANJ JUU4.2000 (JADJ IJU JUU4)
SABS ISU 9046	(SANS 9046)	1987	1	2006-12-08	
SABS ISO 9047	(SANS 9047)	1989	1	2002-11-15	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS ISO/IEC 9126	(SANS 9126)	1991	1	2004-01-16	SANS 9126-1:2003
SABS ISO 9692	(SANS 9692)	1992	1	2007-05-18	SANS 9692-1:2007
SABS ISO 9956-1	(SANS 9956- 1)	1995	1	2007-04-20	SANS 15607:2007
SABS ISO 9956-2	(SANS 9956- 2)	1995	1	2007-04-20	SANS 15609-1:2007
SABS ISO 9956-3	(SANS 9956- 3)	1995	1	2007-04-20	SANS 15614-1:2007
SABS ISO 9956-4	(SANS 9956- 4)	1995	1	2007-04-20	SANS 15614-2:2007
SABS ISO 10202-1	(SANS 10202-1)	1991	1	2011-07-22	
SABS ISO/IEC 10373	(SANS 10373)	1993	1	2004-03-26	SANS 10373-1:2004 SANS 10373-2:2004 SANS 10373-3:2004 SANS 10373-5:2004 SANS 10373-6:2004 SANS 10373-7:2004
SABS ISO/IEC 10561	(SANS 10561)	1991	1	2004-12-15	
SABS ISO 10563	(SANS 10563)	1991	1	2006-12-08	SANS 10563:2013 (SABS ISO 10563)
SABS ISO 10590	(SANS 10590)	1991	1	2006-12-08	
SABS ISO 11135	(SANS 11135)	1994	1	2008-09-26	SANS 11135-1:2008
SABS ISO 11193	(SANS 11193)	1994	1	2004-06-24	SANS 11193-1:2004
SABS ISO 11212-1	(SANS 11212-1)	1997	1	2007-10-19	
SABS ISO 11212-2	(SANS 11212-2)	1997	1	2007-10-19	
SABS ISO 11212-3	(SANS 11212-3)	1997	1	2007-10-19	
SABS ISO 11212-4	(SANS 11212-4)	1997	1	2007-10-19	
SABS ISO 11568-1	(SANS 11568-1)	1994	1	2009-01-16	
SABS ISO 11568-2	(SANS 11568-2)	1994	1	2009-01-16	
SABS ISO 11568-3	(SANS 11568-3)	1994	1	2009-01-16	
SABS ISO 11600	(SANS 11600)	1993	1	2006-12-08	
SABS ISO 12004	(SANS 12004)	1997	1	2010-07-09	SANS 12004-1:2010 SANS 12004-2:2010
SABS ISO 12092	(SANS 12092)	2000	1	2007-08-24	SANS 130-1:2007
SABS ISO/IEC 12119	(SANS 12119)	1994	1	2008-04-18	
SABS ISO/IEC TR 12182	(SANS 12182)	1998	1	2004-09-10	
SABS ISO 12193	(SANS 12193)	1994	1	2007-05-18	
SABS ISO/IEC 13869	(SANS 13869)	1995	1	2008-02-08	
SABS ISO/IEC 13873	(SANS 13873)	1995	1	2008-02-08	
SABS ISO 14010	(SANS 14010)	1996	1	2004-02-27	SANS 19011:2003
SABS ISO 14011	(SANS 14011)	1996	1	2004-02-27	SANS 19011:2003

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
SABS ISO 14012	(SANS 14012)	1996	1	2004-02-27	SANS 19011:2003
SABS ISO 14520-3	(SANS 14520-3)	2000	1	2009-07-17	
SABS ISO 14520-4	(SANS 14520-4)	2000	1	2009-07-17	
SABS ISO 14520-7	(SANS 14520-7)	2000	1	2009-07-17	
SABS ISO/IEC TR 15504-6	(SANS 15504-6)	1998	1	2008-02-22	SANS 15504-3:2004
SABS ISO/IEC TR 15504-7	(SANS 15504-7)	1998	1	2004-12-15	SANS 15504-4:2004
SABS ISO/IEC TR 15504-8	(SANS 15504-8)	1998	1	2004-12-15	SANS 15504-4:2004
SABS ISO/IEC TR 15504-9	(SANS 15504-9)	1998	1	2008-07-18	SANS 15504-1:2005 (SABS ISO/IEC TR 15504-1)
SABS ISO/IEC TR 15846	(SANS 15846)	1998	1	2008-07-18	
SABS ISO/IEC 17799	(SANS 17799)	2005	2	2008-05-09	SANS 27002:2008
	(SANS 8009- 5)	2004	1	2007-03-09	SANS 8009:2007
	(SANS 8009- 6)	2004	1	2007-03-09	SANS 8009:2007
	(SANS 8009- 7)	2004	1	2007-03-09	SANS 8009:2007
	(SANS 8009- 8)	2004	1	2007-03-09	SANS 8009:2007
	(SANS 13335-3)	2002	1	2010-07-23	SANS 27005:2009
	(SANS 3960)	2003	1	2009-08-07	
	(SANS 13335-4)	2002	1	2010-07-23	SANS 27005:2009
	(SANS 8009- 9)	2004	1	2007-03-09	SANS 8009:2007
	(SANS 8009- 10)	2004	1	2007-03-09	SANS 8009:2007
	(SANS 3951)	2004	1	2009-02-13	
	(SANS 4642)	2007	1	2012-07-06	SANS 4642-1:2011 SANS 4642-2:2011
	(SANS 857-2) 2007	1	2010-05-28	SANS 10044-1:2004 (SABS 044-1)
	(SANS 14509)	2008	1	2009-10-30	SANS 14509-1:2009
	(SANS 9459- 2)	2008	1	2008-11-14	SANS 1307:2007 (SABS 1307)
	(SANS 15946-2)	2007	1	2011-09-02	
	(SANS 15946-3)	2007	1	2011-05-20	SANS 11770-3:2009
	(SANS 15946-4)	2007	1	2011-09-02	
	(SANS 4898)	2010	1	2012-03-16	
	(SANS 6915)	2010	1	2012-03-16	
	(SANS 8873- 3)	2010	1	2012-03-16	
	(SANS 8873- 2)	2010	1	2012-03-16	
	(SANS 8873- 1)	2010	1	2012-03-16	
	(SANS 9076- 2)	2010	1	2012-03-16	
	(SANS 12574-2)	2010	1	2012-03-16	

Withdrawn standard		Issue	Ed	Date withdrawn	Replaced by
	(SANS 12575-2)	2010	1	2012-03-16	
	(SANS 661)	2004	1	2009-08-07	
	(SANS	2006	1	2011-03-18	SANS 15223-1:2010
	15223)	0000	4	2007 05 04	SANS 15223-2:2010 SANS 11607 1:2007
	(SANS 11607)	2006	I	2007-05-04	SANS 11607-1.2007 SANS 11607-2:2007
	(SANS	2006	1	2007-05-18	SANS 11137-1:2007
	11137)	2000	•	2007 00 10	SANS 11137-2:2007
					SANS 11137-3:2007
	(SANS 18028-1)	2009	1	2010-11-19	SANS 27033-1:2010
	(SANS 3207)	2004	1	2006-08-04	SANS 16269-6:2006
	(SANS 857-1)) 2004	1	2010-05-28	SANS 10044-1:2004 (SABS 044-1)
	(SANS 15947)	2003	1	2010-07-23	SANS 18043:2009
	(SANS 13335-5)	2002	1	2010-07-23	SANS 18028-1:2009
	(SANS 13335-1)	2005	1	2010-08-27	SANS 18028-1:2009
	(SANS 19791)	2007	1	2010-07-02	SATR 19791:2010
	(SANS 6340)	2004	1	2011-08-05	SANS 19250:2011
	(SANS 5011)	2005	5	2012-12-14	SANS 10523:2012
	(SANS 9935)	2004	1	2009-06-05	
	(SANS 3453)	2004	1	2009-06-05	
	(SANS 4661- 1)	2003	1	2006-11-10	SANS 23529:2006
	(SANS 259-1)) 2003	1	2008-05-30	SANS 259:2008
	(SANS 259-2)) 2003	1	2008-05-30	SANS 259:2008
	(SANS 259-3)) 2003	1	2008-05-30	SANS 259:2008
	(SANS 11431-2)	2003	1	2007-03-02	SANS 11431-1:2003 SANS 11431-3:2003
	(SANS 4648)	2003	1	2006-11-10	SANS 23529:2006
	(SANS 3383)	2003	1	2006-11-10	SANS 23529:2006
	(SANS 471)	2003	1	2012-12-14	SANS 23529:2006
	(SANS 8009- 1)	2004	1	2007-03-09	SANS 8009:2007
	(SANS 8009- 2)	2004	1	2007-03-09	SANS 8009:2007
	(SANS 8009- 3)	2004	1	2007-03-09	SANS 8009:2007
	(SANS 8009- 4)	2004	1	2007-03-09	SANS 8009:2007
SABS MPT 1331		1987	1	2000-09-15	SANS 100053:1998 (SABS ETSI TR 100053)
ARP 001		1987	1	2007-02-23	
ARP 002		1988	1	2007-02-23	
ARP 003		1988	1	1994-10-03	ARP 030:1993
ARP 004		1988	1	2007-02-23	
ARP 005		1988	1	1998-07-30	
ARP 008-1		1989	1	1992-05-19	SANS 1550-1:1992 (SABS 1550-1)
ARP 008-2		1989	1	1992-05-19	SANS 1550-2:1992 (SABS 1550-2)
ARP 008-3		1989	1	1992-05-19	SANS 1550-3:1992 (SABS 1550-3)
ARP 008-4		1989	1	1992-05-19	SANS 1550-4:1992 (SABS 1550-4)
ARP 008-5		1989	1	1992-05-19	SANS 1550-5:1992 (SABS 1550-5)
ARP 008-6		1989	1	1992-05-19	SANS 1550-6:1992 (SABS 1550-6)
ARP 008-7		1989	1	1992-05-19	SANS 1550-7:1992 (SABS 1550-7)
ARP 008-10		1989	1	1992-05-19	SANS 1550-10:1992 (SABS 1550-10)

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by
ARP 009	1989	1	2003-05-09	SANS 12710:2003
ARP 010	1989	1	2005-04-01	SANS 8601:2003
ARP 011	1990	1	2007-02-23	
ARP 012	1989	1	2007-02-23	
ARP 013	1990	1	1998-07-03	ARP 013:1998
ARP 014	1990	1	2000-08-04	SANS 10357:2000 (SABS 0357)
ARP 016	1990	1	2007-02-23	
ARP 017	1999	3.01	2004-02-27	SANS 1-1:2003
ARP 018	1992	1	2007-02-23	
ARP 019	1992	1	2007-02-23	
ARP 020	1992	1	2000-01-20	SANS 10328:2000 (SABS 0328)
ARP 021	1992	1	2004-05-21	
ARP 022-1	1992	1	2003-05-16	SANS 10370:2002 (SABS 0370)
ARP 022-2	1992	1	2003-05-16	SANS 10370:2002 (SABS 0370)
ARP 022-3	1992	1	2003-05-16	SANS 10370:2002 (SABS 0370)
ARP 023	1994	1.01	2005-09-16	SANS 10378:2005
ARP 024	1992	1	2005-09-16	SANS 10378:2005
ARP 025	1998	2	2006-06-09	SANS 100013:2003
ARP 026	1992	1	2007-03-02	
ARP 027	1993	1	2010-11-19	
ARP 028	1992	1	2006-06-02	SANS 17025:2005 (SABS ISO/IEC 17025)
ARP 030	1993	1	2008-07-11	
ARP 031	1993	1	1999-02-05	
ARP 034	1999	2	2004-05-21	
ARP 036	1994	1	1997-05-05	SANS 14001:1996 (SABS ISO 14001) SANS 14004:1996 (SABS ISO 14004)
ARP 039	1997	1	2012-07-20	
ARP 041	1997	1	2011-01-28	
ARP 042 SET	1997	1	1998-01-01	
ARP 042	1997	1	2003-09-19	SANS 10055-1:2003 SANS 10055-2:2003 SANS 10055-3:2003 SANS 10055-4:2003
ARP 044	1997	1	2009-01-16	
ARP 049-1	2000	1	2004-08-20	
ARP 049-2	2000	1	2004-08-20	
ARP 049-3	2000	1	2004-08-20	
ARP 049-4	2000	1	2004-08-20	
ARP 049-5	2000	1	2004-08-20	
ARP 049-6	2000	1	2004-08-20	
ARP 054	2002	1	2007-02-02	SANS 19794-2:2007 SANS 19794-4:2007
ARP 057	2002	1	2004-09-10	
ARP 4360	2003	1	2010-03-19	ARP 070:2009 SANS 31000:2009 SANS 31010:2010
	2007	1	2012-02-17	SANS 448:2010
	2007	1	2009-02-27	SANS 990-1:2008
	2007	1	2009-02-27	SANS 990-2:2008
	2007	1	2009-02-27	SANS 990-3:2008
NRS 003-1	1994	2	2001-06-08	SANS 1885:2001 (SABS 1885)
NRS 003-1	1991	1	1995-02-08	
NRS 004-1	1991	1	2003-11-19	
NRS 005	1990	1	1998-05-04	SANS 780:1998 (SABS 780)

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by
NRS 006	1991	1	2002-10-14	SANS 1874:2001 (SABS 1874)
NRS 008	1991	1	2002-12-01	NRS 012:2002
NRS 009-1	1994	1	1999-02-22	SANS 1524-1:1994 (SABS 1524-1) SANS 1524-0:1997 (SABS 1524-0)
NRS 009-4-1	2001	1.02	2007-03-30	NRS 009-4:2005
NRS 009-4-2	2001	1.02	2007-03-30	NRS 009-4:2005
NRS 010-1	1992	1	1995-05-01	SANS 1632-1:1995 (SABS 1632-1)
NRS 010-2	1992	1	1995-05-01	SANS 1632-2:1995 (SABS 1632-2)
NRS 010-4	1993	1	1995-05-01	SANS 1632-3:1995 (SABS 1632-3)
NRS 012	2002	1	2009-10-09	SANS 876:2009
NRS 014	1991	1	2002-10-14	
NRS 016	1995	2	2001-08-23	SANS 10292:2001 (SABS 0292)
NRS 017	1992	1	1997-09-30	NRS 017-1:1997 NRS 017-2:1997
NRS 017-1	1997	2	1999-02-23	NRS 063:1998
NRS 017-2	1997	1	1999-02-23	NRS 062:1998
NRS 019	1992	1	1995-03-01	SANS 1619:1995 (SABS 1619)
NRS 021-1	1992	1	1992-02-01	
NRS 023	1991	1	1995-05-01	NRS 034-3:1995
NRS 024-2	1994	1	2010-07-23	
NRS 025	1991	1	2000-06-09	SANS 1777:1998 (SABS 1777)
NRS 026	1993	1	1995-08-21	SANS 1652:1995 (SABS 1652)
NRS 027	1994	1	1999-02-26	SANS 780:1998 (SABS 780)
NRS 034-1 Suppl 1	1993	1	1998-03-26	NRS 034-1:1997
NRS 034-1 Addendum A	1994	1	1998-03-26	NRS 034-1:1997
NRS 034-1 Addendum B	1996	1	1998-03-26	NRS 034-1:1997
NRS 035	1994	1	2001-04-09	NRS 035-1:2002 NRS 035-2:2002
NRS 041	1995	1	1999-02-26	SANS 10280:1998 (SABS 0280)
NRS 047	1996	1	1999-12-01	NRS 047-1:1999
NRS 048-1	1996	1	2006-04-13	
NRS 048-3	2002	3	2006-04-13	
NRS 048-5	1998	1	2006-04-13	
NRS 050-2	1997	1	1998-06-30	SANS 1808-2:1998 (SABS 1808-2)
NRS 050-5	1997	1	1998-06-30	SANS 1808-5:1998 (SABS 1808-5)
NRS 050-8	1997	1	1998-06-30	SANS 1808-8:1998 (SABS 1808-8)
NRS 050-9	1997	1	1998-06-30	SANS 1808-9:1998 (SABS 1808-9)
NRS 050-10	1997	1	1998-06-30	SANS 1808-10:1998 (SABS 1808-10)
NRS 050-13	1997	1	2001-11-30	SANS 1808-13:2001 (SABS 1808-13)
NRS 050-16	1997	1	1998-06-30	SANS 1808-16:1998 (SABS 1808-16)
NRS 050-18	1997	1	1998-06-30	SANS 1808-18:1998 (SABS 1808-18)
NRS 050-24	1997	1	1998-06-30	SANS 1808-24:1998 (SABS 1808-24)
NRS 050-29	1997	1	2002-10-14	
NRS 050-30	1997	1	1998-06-30	SANS 1808-30:1998 (SABS 1808-30)
NRS 050-31	1997	1	1998-06-30	SANS 1808-31:1998 (SABS 1808-31)
NRS 050-32	1997	1	1998-06-30	SANS 1808-32:1998 (SABS 1808-32)
NRS 050-33	1997	1	2001-12-19	SANS 4994: 1987 (SABS BS 4994)
NDS 050 20	1997	1	1990-00-30	UNI 1010-00.1880 (UND 1010-00)
NDS 050 27	1997	1	2001-12-19	SANS 1313.2000 (SADS 1313) SANS 1808-37-1008 (SADS 1909 27)
NDC 050 41	1997	1	1990-00-30	(1000 COAC) 0001 .1000 0001 COAC)
NDS 050 44	1997	1	2002-10-14	SANG 1909 44-1009 (SADE 1909 44)
NILO 000-44	1997	I	1990-00-30	UNU 1000-44.1300 (OADO 1000-44)

Withdrawn standard	lssue	Ed	Date withdrawn	Replaced by
NRS 050-45	1997	1	1998-06-30	SANS 1808-45:1998 (SABS 1808-45)
NRS 050-46	1997	1	2001-12-19	SANS 1834:1999 (SABS 1834)
NRS 050-52	1997	1	2001-12-19	SANS 1748-1:1998 (SABS 1748-1)
NRS 050-53	1997	1	1998-06-30	SANS 1808-53:1998 (SABS 1808-53)
NRS 050-54	1997	1	2002-10-14	
NRS 050-55	1997	1	2001-12-19	SANS 966-2:2001 (SABS 966-2)
NRS 050-56	1997	1	2002-10-14	
NRS 050-58	1997	1	1998-06-30	SANS 1808-58:1998 (SABS 1808-58)
NRS 050-66	1997	1	1998-06-30	SANS 1808-66:1998 (SABS 1808-66)
NRS 057-1	2001	1	2006-04-13	SANS 474:2006
NRS 057-2	2002	1	2006-04-13	SANS 474:2006
NRS 062	2002	1.02	2006-04-13	SANS 1507-6:2002 (SABS 1507-6)
NRS 063	2002	1.02	2006-04-13	SANS 1507-6:2002 (SABS 1507-6)
CKS 1	1975	2	2000-05-12	
CKS 2	1966	1	2005-06-24	
CKS 3	1966	1	2004-08-20	SANS 1875:2002 (SABS 1875)
CKS 4	1966	1	2004-08-20	SANS 1875:2002 (SABS 1875)
CKS 5	1981	2	2012-03-02	
CKS 6	1966	1	2002-06-03	
CKS 7	1966	1	1985-01-01	SANS 1256:1985 (SABS 1256)
CKS 9	1994	3	2011-08-19	SANS 882:2011
CKS 10	1984	3	1997-07-18	
CKS 11	1966	1	1966-01-01	CKS 143:1972 CKS 319:1972
CKS 12	1972	2	1977-01-01	SANS 1152:1977 (SABS 1152)
CKS 13	1972	2	2005-09-09	
CKS 14	1966	1	1979-01-01	SANS 1273:1979 (SABS 1273)
CKS 15	1972	2	1979-01-01	SANS 1171:1979 (SABS 1171)
CKS 16	1966	1	2000-02-17	
CKS 17	1966	1	2005-06-24	
CKS 18	1966	1	2000-02-17	
CKS 19	1971	2	2005-06-24	
CKS 20	1985	3	2008-10-03	
CKS 21	1973	2	1985-01-01	SANS 1068:1985 (SABS 1068)
CKS 22	1973	2	1981-01-01	SANS 434:1981 (SABS 434)
CKS 23	1966	1	2011-04-08	SANS 456:2009 (SABS 456)
CKS 24	1982	3	2011-11-04	SANS 456:2009 (SABS 456)
CKS 25	1972	2	2001-02-08	SANS 1004:1974 (SABS 1004) SANS 1002:2000 (SABS 1002)
CKS 26	1976	2	2001-08-13	
CKS 27	1966	1	1970-01-01	CKS 257:1970
CKS 29	1972	2	1974-01-01	SANS 417:1974 (SABS 417)
CKS 32	1972	2	1974-01-01	SANS 417:1974 (SABS 417)
CKS 33	1976	2	2010-03-05	
CKS 34	2000	4	2008-10-03	
CKS 35	1973	2	2008-10-03	
CKS 37	1966	1	1978-01-01	SANS 1241:1978 (SABS 1241)
CKS 38	1966	1	2005-06-24	
CKS 39	1975	2	1984-01-01	SANS 1212:1984 (SABS 1212)
CKS 40	1982	2	2009-06-12	SANS 532:2009
CKS 41	1982	2	2009-06-12	SANS 532:2009
CKS 42	1985	3	2001-08-13	
CKS 43	1975	3	1984-08-22	

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by
CKS 44	2002	2.01	2008-10-03	
CKS 45	1975	2	2008-10-03	
CKS 46	1984	2	2008-10-03	
CKS 47	1984	3	2008-10-03	
CKS 48	1984	4	2008-10-03	
CKS 49	1972	2	2005-06-03	
CKS 50	1967	1	2009-06-12	SANS 532:2009
CKS 51	1967	1	2009-06-12	SANS 532:2009
CKS 52	1974	2	2008-10-03	
CKS 53	1967	1	1976-01-01	SANS 1083:1976 (SABS 1083)
CKS 54	1967	1	1976-01-01	SABS 1097:1976
CKS 55	1967	1	2004-09-03	SANS 1263-1:1986 (SABS 1263-1)
				SANS 1263-2:1987 (SABS 1263-2)
				SANS 1263-3:1988 (SABS 1263-3)
	1007		0005 00 04	SANS 10137:2002 (SABS 0137)
CKS 56	1967	1	2005-06-24	
	1967	1	2005-06-24	
	1974	2	1996-10-08	
CKS 59	1977	3	2001-08-13	SANS 1906-2002
	1967	1	2008-03-14	SANS 1090.2003
	1987	3	2011-01-21	SANS 1265-1082 (SARS 1265)
	1972	2	1962-01-01	SANS 1303.1902 (SABS 1303)
	1990	2	2009-06-12	SANS 552.2009
	1982	2	2009-06-12	SAINS 532.2009
	1982	2	2005-11-21	CANC 120-1071 (CAPC 120)
UN3 68	1967	I	1971-01-01	SANS 130.1971 (SABS 136) SANS 137:1971 (SABS 137)
CKS 69	1977	2	2005-09-09	
CKS 70	1970	2	1979-01-01	SANS 1251:1979 (SABS 1251)
CKS 71	1972	2	1975-01-01	SANS 1040:1975 (SABS 1040)
CKS 72	1967	1	1982-01-01	SANS 1336:1982 (SABS 1336)
CKS 73	1970	1	1997-07-18	
CKS 74	1978	3	2001-08-13	
CKS 75	1967	1	1986-01-01	SANS 387:1986 (SABS 387)
CKS 76	1972	2	2005-09-09	
CKS 77	1977	3	1984-01-01	SANS 1218:1984 (SABS 1218)
CKS 78	1972	2	2007-07-20	SANS 1913:2007
CKS 79	1967	1	1977-01-01	SANS 1129:1977 (SABS 1129)
CKS 80	1973	2	2001-05-14	SANS 1341:1981 (SABS 1341)
CKS 83	1967	1	1981-01-01	SANS 1330:1981 (SABS 1330)
CKS 84	1967	1	1976-01-01	SANS 1090:1976 (SABS 1090)
CKS 85	2002	2.01	2011-05-13	
CKS 86	1972	2	2005-07-08	
CKS 87	1967	1	1982-01-01	SANS 1331:1982 (SABS 1331)
CKS 88	1970	2	2000-02-25	
CKS 89	1977	3	2001-08-13	
CKS 90	1977	3	2001-08-13	
CKS 91	1967	1	2009-06-12	SANS 532:2009
CKS 92	1967	1	2009-06-12	SANS 532:2009
CKS 95	2002	1.02	2008-11-21	
CKS 96	2004	3.01	2008-10-03	
CKS 98	1967	1	2005-06-03	
CKS 99	1967	1	2009-06-12	SANS 532:2009

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by
CKS 100	1971	2	2005-06-03	
CKS 101	1969	2	1969-08-01	SABS 1066:1985
				SABS 0201:1985
CKS 102	1972	2	1975-01-01	SANS 1026:1975 (SABS 1026)
CKS 103	1972	2	1975-01-01	SANS 1027:1975 (SABS 1027)
CKS 104	1972	2	2005-09-09	
CKS 105	1967	1	2009-06-12	SANS 532:2009
CKS 106	1967	1	2009-06-12	SANS 532:2009
CKS 107	1970	2	2004-09-03	SANS 866:1974 (SABS 866)
CKS 108	1967	1	1974-01-01	SANS 1011:1974 (SABS 1011)
CKS 109	1967	1	1971-01-01	SABS 148:1971
CKS 110	1983	2	1998-10-08	
CKS 111	1970	2	2004-12-10	
CKS 113	1968	1	2005-06-03	
CKS 114	1980	2	1998-12-04	SANS 10329:1998 (SABS 0329)
CKS 115	1974	2	2006-01-20	
CKS 116	1969	2	1985-01-01	SABS 1066:1985 SABS 0201:1985
CKS 117	1970	1	1999-06-21	
CKS 118	1969	1	1985-01-01	SABS 1066:1985
				SABS 0201:1985
CKS 119	1976	2	2011-01-21	CKS 637:1992
CKS 120	1968	1	1979-01-01	SANS 1005:1979 (SABS 1005)
CKS 122	1971	2	2000-12-18	SANS 1116-1:1996 (SABS 1116-1) SANS 1116-2:1996 (SABS 1116-2)
CKS 123	1987	2	1995-04-03	SANS 1612:1994 (SABS 1612)
CKS 124	1974	2	2008-10-03	
CKS 125	1973	2	2008-10-03	
CKS 126	1973	2	2008-10-03	
CKS 127	1975	2	2005-07-08	
CKS 128	1968	1	2005-06-24	
CKS 130	1972	2	2005-06-03	
CKS 131	1970	2	1997-07-18	
CKS 132	1977	2	1984-01-01	SANS 1219:1984 (SABS 1219)
CKS 133	2001	2.01	2008-10-03	
CKS 134	1972	2	2005-04-29	SANS 417:1974 (SABS 417)
CKS 137	1971	2	2011-04-20	
CKS 143	1972	2	2011-12-15	
CKS 144	1972	2	1977-01-01	SANS 1173:1977 (SABS 1173)
CKS 145	1968	1	2005-06-24	
CKS 147	1980	3	1998-07-20	
CKS 148	1970	2	1997-07-18	
CKS 149	1971	2	1982-01-01	SANS 1350:1982 (SABS 1350)
CKS 150	1970	2	1997-07-18	
CKS 151	1972	2	1980-01-01	SANS 1291-1:1980 (SABS 1291-1)
CKS 152	1972	2	2005-06-03	
CKS 153	1973	2	1989-01-01	SANS 545:1989 (SABS 545)
CKS 154	1970	2	1997-07-18	
CKS 158	1970	2	1974-01-01	SANS 1024:1974 (SABS 1024)
CKS 159	1971	2	1980-01-01	SANS 1310:1980 (SABS 1310)
CKS 161	2002	2.02	2011-07-15	
CKS 162	1974	2	2008-10-03	
CKS 164	1971	3	1977-01-01	SANS 675:1977 (SABS 675)

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by
CKS 165	1969	1	1976-09-01	
CKS 166	1970	1	1992-01-01	
CKS 167	1971	2	2011-01-21	SANS 1887-7:2008
CKS 169	1969	1	2009-06-12	SANS 532:2009
CKS 170	1969	1	2005-02-25	
CKS 171	1969	1	1976-06-01	
CKS 172	1972	2	2005-09-09	
CKS 173	1970	2	1972-01-01	SANS 548:1972 (SABS 548)
CKS 175	1969	1	1985-06-01	
CKS 176	1971	2	2005-06-03	
CKS 177	1969	1	2010-03-05	
CKS 180	1981	2	2005-06-03	
CKS 182	1969	1	1999-09-14	SANS 1155:1977 (SABS 1155)
CKS 184	1971	2	1998-10-08	
CKS 185	1972	2	1992-01-01	
CKS 186	1972	2	1985-09-01	
CKS 187	2002	2.01	2008-10-03	
CKS 188	2002	3.01	2011-02-04	
CKS 189	1969	1	2009-02-20	SANS 714:2009
CKS 190	1973	2	2011-01-21	SANS 712:2009
CKS 191	1987	2	1999-03-18	SANS 1519-1:1997 (SABS 1519-1)
CKS 192	1971	1	2001-12-14	SANS 51423:1997 (SABS EN 1423)
				SANS 51424:1997 (SABS EN 1424)
01/0 100	4077		1007 07 10	SANS /31-1:2001 (SABS /31-1)
CKS 193	1977	2	1997-07-18	SADS 1519.1990
CKS 194	1984	3	2008-03-20	CADC 717-1000
CKS 195	1969	1	1982-01-01	SADS / 17.1302
CKS 196	1969	1	1977-01-01	SADS 1124.1977 SANS 205:1076 (SABS 205)
013 197	1909	I	1976-01-01	SANS 295:1976 (SABS 295) SANS 296:1976 (SABS 296)
CKS 198	1969	1	1971-01-01	SANS 636:1971 (SABS 636)
CKS 199	1969	1	1999-09-21	
CKS 200	1969	1	1977-01-01	SANS 1120:1977 (SABS 1120)
CKS 201	1970	2	2001-01-17	
CKS 202	1990	2	2007-09-14	SANS 320:1978 (SABS 320)
CKS 203	1969	1	1985-01-01	SABS 1066:1985
				SABS 0201:1985
CKS 204	1969	1	1996-05-07	SABS 1066:1985
	1060	4	1000 06 21	SABS 0201:1985
CKS 205	1969	1	1999-00-21	
CKS 200	1909	1	1999-06-21	
CKS 207	1909	1	2004-09-03	SANS 10109-1-1995 (SABS 0109-1)
010 200	1909	1	2004 00 00	SANS 10109-2:1992 (SABS 0109-2)
CKS 210	1970	1	2005-06-03	
CKS 211	1970	1	1980-01-01	SANS 1285:1980 (SABS 1285)
CKS 212	1970	1	1980-01-01	SANS 1285:1980 (SABS 1285)
CKS 213	1970	1	2005-06-24	
CKS 214	1970	1	2011-01-21	
CKS 215	1970	1	2011-05-27	
CKS 216	1970	1	2011-01-21	CKS 637:1992
CKS 219	1974	2	2001-01-23	
CKS 220	1970	1	2005-07-08	
CKS 222	1970	1	1974-01-01	SABS 400:1974

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by
	1070		1072 01 01	SANS 574-1073 (SARS 574)
CKS 225	1970	1	2000-02-20	SANS 706:2009
CKS 227	1970	1	1976-01-01	SANS 1113:1976 (SABS 1113)
CKS 228	1970	1	1976-01-01	SANS 1112:1976 (SABS 1112)
CKS 229	1970	1	1985-08-14	SANS 1373:1983 (SABS 1373)
CKS 234	1978	1	1999-12-21	SANS 51616:1997 (SABS EN 1616)
CKS 235	1970	1	2009-09-11	SANS 1643:2007 (SABS 1643)
CKS 236	1970	1	1985-08-14	SANS 1060:1985 (SABS 1060)
CKS 244	1974	2	2005-06-03	
CKS 245	1970	1	1999-06-01	
CKS 246	1972	2	1979-01-01	SANS 1262:1979 (SABS 1262)
CKS 247	1972	2	1979-01-01	SANS 1262:1979 (SABS 1262)
CKS 248	1972	2	1979-01-01	SANS 1262:1979 (SABS 1262)
CKS 249	1970	1	1982-01-01	SANS 1362:1982 (SABS 1362)
CKS 252	1970	1	1977-01-01	SANS 1172:1977 (SABS 1172)
CKS 253	1977	2	2012-05-18	, , , , , , , , , , , , , , , , , , ,
CKS 254	1970	1	2005-06-03	
CKS 256	1970	1	1987-01-01	SANS 1419:1987 (SABS 1419)
CKS 257	1970	1	1998-10-08	
CKS 258	1970	1	1997-07-18	
CKS 259	1970	1	2012-05-18	
CKS 260	1970	1	2012-05-18	
CKS 262	1970	1	1998-10-08	
CKS 264	1970	1	1979-06-06	SANS 1149:1977 (SABS 1149)
CKS 267	1979	2	1986-06-13	
CKS 268	1980	2	1998-01-26	
CKS 269	1979	2	1998-01-26	
CKS 270	1980	2	1998-01-26	
CKS 271	1979	2	1998-01-26	
CKS 272	1979	2	1998-01-26	
CKS 273	1980	2	1998-01-26	
CKS 274	1980	2	1998-01-26	
CKS 275	1970	1	2005-06-03	
CKS 276	1970	1	1972-01-01	SANS 288:1972 (SABS 288)
CKS 277	1970	1	2005-07-08	
CKS 278	1971	1	1998-10-08	
CKS 279	1971	1	1997-06-13	SANS 1091:1975 (SABS 1091)
CKS 280	1971	1	1995-01-06	SANS 1533:1991 (SABS 1533)
CKS 281	1971	1	2005-06-03	
CKS 283	1971	1	2001-11-30	SANS 1869:2001 (SABS 1869)
CKS 284	1971	1	2009-06-05	SANS 705:2009
CKS 287	2002	1.01	2008-10-03	
CKS 288	2002	1.01	2008-10-03	
CKS 291	1974	2	1985-10-01	SABS 1382:1983
CKS 292	1971	1	2005-06-24	
CKS 293	1971	1	2005-06-24	
CKS 295	1979	2	1998-01-26	
CKS 296	1971	1	1980-01-01	SABS 12/5:1980
CKS 297	1971	1	1980-01-01	SANS 1304:1980 (SABS 1304)
CKS 298	1971	1	19/3-01-01	5an5 521:19/3 (5ABS 521)
CKS 299	1971	1	2005-06-03	
CKS 300	1974	1	2001-02-23	SAINS 1851:2000 (SABS 1851)
CKS 301	1981	2	2012-02-24	

Withdrawn standard	lssue	Ed	Date withdrawn	Replaced by
CKS 303	1979	1	1998-01-26	
CKS 304	1971	1	1977-01-01	SANS 1143:1977 (SABS 1143)
CKS 305	1971	1	2011-05-13	
CKS 306	2002	1.01	2008-10-03	
CKS 307	1971	1	1981-01-01	SANS 1323:1981 (SABS 1323)
CKS 308	2005	2.01	2008-10-03	
CKS 309	2003	2.01	2008-10-03	
CKS 310	2005	2.01	2008-03-20	
CKS 311	2004	2.02	2011-05-06	SANS 511:2011
CKS 313	1979	2	1986-08-13	
CKS 314	1979	2	1986-08-13	
CKS 315	1979	2	1986-08-13	
CKS 316	1972	1	1976-01-01	SANS 1110:1976 (SABS 1110)
CKS 318	1972	1	1978-03-31	
CKS 319	1972	1	2011-02-04	
CKS 320	1972	1	2008-08-22	SANS 1523:1990 (SABS 1523)
CKS 321	1972	1	1981-01-01	SANS 1333:1981 (SABS 1333)
CKS 322 CKS 323	1972	1	2004-09-03	SANS 1700-16-1:2003 SANS 1700-16-2:2003 SANS 1700-16-3:2003 SANS 1700-16-3:2003 SANS 1700-16-5:2003 SANS 1700-16-5:2003 SANS 1700-16-9:2004 SANS 1700-16-10:1996 (SABS 1700-16-10) SANS 1700-16-6:2003 (SABS 1700-16-6) SANS 1700-16-7:2003 (SABS 1700-16-7) SANS 1700-16-15:2003 SANS 1700-16-16:2003 SANS 1700-16-14:2003 SANS 1700-16-14:2003 SANS 1700-16-2:2003 SANS 1700-16-3:2003 SANS 1700-16-3:2003 SANS 1700-16-5:2003 SANS 1700-16-5:2003 SANS 1700-16-9:2004 SANS 1700-16-10:1996 (SABS 1700-16-10) SANS 1700-16-7:2003 (SABS 1700-16-6) SANS 1700-16-7:2003 (SABS 1700-16-7) SANS 1700-16-7:2003 (SABS 1700-16-7) SANS 1700-16-15:2003 SANS 1700-16-15:2003
CKS 325	1979	2	1990-02-14	SANS 1700-16-17:2003 SANS 1700-16-14:2003
CKS 326	1979	2	1998-01-26	
CKS 327	1979	2	1998-01-26	
CKS 328	1979	2	1998-01-26	
CKS 329	1979	2	1990-02-14	
CKS 331	1972	1	2001-01-23	
CKS 332	1977	2	2001-01-23	
CKS 333	1986	2	2000-08-17	
CKS 334	1979	2	1998-01-26	
CKS 335	1972	1	1999-06-21	
CKS 341	1972	1	1977-01-01	SANS 1145:1977 (SABS 1145)
CKS 342	1972	1	2005-06-03	
Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by
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CKS 344	2000	2 01	2008-01-25	
CKS 345	1992	2	2008-01-25	
CKS 346	1972	1	1980-01-01	SANS 1284:1980 (SABS 1284)
CKS 347	1972	1	1975-01-01	SANS 1028:1975 (SABS 1028)
CKS 348	1972	1	2011-04-20	, , , , , , , , , , , , , , , , , , ,
CKS 349	1972	1	1998-10-08	
CKS 351	1976	2	1986-01-01	SANS 1409:1986 (SABS 1409)
CKS 353	1979	2	1998-01-26	, , , , , , , , , , , , , , , , , , ,
CKS 354	1979	2	1998-01-26	
CKS 355	1980	2	1998-01-26	
CKS 356	1980	2	1998-01-26	
CKS 357	1980	2	2002-04-05	
CKS 358	1979	1	1998-01-26	
CKS 359	1979	1	1998-01-26	
CKS 360	1979	2	1998-01-26	
CKS 361	1979	2	1990-02-14	
CKS 362	1979	2	1998-01-26	
CKS 363	1973	1	2000-05-12	
CKS 364	1973	1	2008-10-03	
CKS 365	1973	1	2005-06-03	
CKS 366	1973	1	1985-01-01	
CKS 369	1973	1	2011-11-18	
CKS 372	1973	1	2005-06-03	
CKS 375	1973	1	1985-05-22	SANS 1060:1985 (SABS 1060)
CKS 376	1973	1	1977-07-01	SABS 1164:1977
CKS 377	1973	1	1977-07-01	SABS 1165:1977
CKS 378	1973	1	1976-03-31	
CKS 379	1977	2	1984-01-01	CKS 596:1984
CKS 380	1973	1	1984-01-01	CKS 596:1984
CKS 381	1973	1	1984-01-01	CKS 596:1984
CKS 382	1973	1	1984-01-01	CKS 596:1984
CKS 383	1973	1	1984-01-01	CKS 596:1984
CKS 384	1973	1	1984-01-01	CKS 596:1984
CKS 385	1973	1	1984-01-01	CKS 596:1984
CKS 386	1973	1	1984-01-01	CKS 596:1984
CKS 387	1973	1	2000-06-23	
CKS 391	1973	1	2005-06-03	
CKS 392	1973	1	2006-01-20	
CKS 393	1973	1	2005-06-03	
CKS 394	1973	1	1999-11-26	
CKS 395	1973	1	2008-09-19	SANS 15854:2008
CKS 396	1973	1	1979-01-01	SANS 1259:1979 (SABS 1259)
CKS 397	1973	1	1981-01-01	SANS 1341:1981 (SABS 1341)
CKS 398	1973	1	1999-11-26	
CKS 399	1973	1	2009-06-05	SANS 705:2009
CKS 400	1974	1	2005-06-03	
CKS 401	1974	1	2005-07-08	
CKS 402	1974	1	1999-06-21	
CKS 403	1983	2	2007-06-08	
CKS 404	1974	1	2011-05-13	
CKS 405	1974	1	2005-02-25	
CKS 406	1974	1	2005-02-25	
CKS 407	1974	1	1997-06-11	SABS 1124:1983

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by
CKS 409	1974	1	2009-06-05	SANS 701:2009
CKS 410	1974	1	2008-11-21	
CKS 414	1974	1	1983-01-01	SANS 1389:1983 (SABS 1389)
CKS 415	1982	2	1998-01-26	
CKS 416	1974	1	2002-04-05	
CKS 417	1974	1	1998-01-26	
CKS 418	1974	1	1998-01-26	
CKS 419	1974	1	1982-01-01	SABS 1346:1982
CKS 420	1974	1	2005-02-25	
CKS 421	1974	1	2005-02-25	
CKS 422	1974	1	2005-02-25	
CKS 423	1974	1	2005-02-25	
CKS 424	1974	1	2005-02-25	
CKS 425	1974	1	2000-07-06	
CKS 426	1974	1	1984-01-01	SANS 1400:1984 (SABS 1400)
CKS 427	1974	1	2011-04-08	SANS 456:2009 (SABS 456)
CKS 428	1974	1	1998-01-26	
CKS 429	1974	1	1999-10-06	
CKS 430	1974	1	1998-01-26	
CKS 431	1979	2	2011-07-08	
CKS 432	1974	1	1998-01-26	
CKS 433	1974	1	2008-10-03	
CKS 434	1974	1	2005-02-25	
CKS 435	1975	1	2007-09-21	
CKS 436	1975	1	2005-06-03	
CKS 437	1975	1	2005-06-03	
CKS 438	1975	1	2005-06-03	
CKS 439	1975	1	1999-11-26	SANS 1452:1988 (SABS 1452)
CKS 441	1975	1	2009-06-12	SANS 532:2009
CKS 442	1975	1	2005-09-09	
CKS 443	1975	1	2001-08-13	
CKS 444	1975	1	1999-06-03	
CKS 445	1975	1	2000-02-17	
CKS 448	1984	2	1987-01-01	CKS 627:1987
CKS 453	1976	1	1981-01-01	SANS 1316:1981 (SABS 1316)
CKS 454	1976	1	1999-11-26	SANS 60335-2-29:1994 (SABS IEC 60335-2-29)
CKS 455	1976	1	2000-07-10	SANS 1632-1:1995 (SABS 1632-1) SANS 1632-3:1995 (SABS 1632-3)
CKS 459	1982	2	2009-11-27	
CKS 460	1976	1	1983-01-01	SANS 1388:1983 (SABS 1388)
CKS 461	1976	1	2011-05-06	SANS 4633:2008
CKS 465	1976	1	1999-12-21	
CKS 466	1976	1	1978-01-01	SANS 1183:1978 (SABS 1183)
CKS 470	1976	1	2005-07-08	
CKS 472	1992	2	2008-01-25	
CKS 474	1977	1	1985-10-01	SANS 446:1983 (SABS 446)
CKS 475	1977	1	2005-02-25	
CKS 476	1977	1	2005-02-25	
CKS 477	1977	1	1998-10-08	
CKS 478	1977	1	2005-02-25	
CKS 480	1983	2	1987-01-01	CKS 627:1987
CKS 481	1977	1	2005-06-03	
CKS 482	1977	1	2011-09-16	SANS 756:2008 (SABS 756)

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by
CKE 492	1077	4	2005 06 02	
CKS 403	1977	1	2003-00-03	
CKS 404	1977	1	1979-07-01	SANS 1260-1070 (SARS 1260)
CKS 405	1077	1	2005-09-09	SANG 1200.1979 (SADG 1200)
CKS 400	1079	1	2003-03-03	
CKS 490	1970	1	1978-03-31	
CKS 491	1977	1	2005 06 02	
CKS 492	1977	1	2003-00-03	
CKS 493	1079	1	1999-06-03	
CKS 494	1970	י ס	2000 06 28	SANS 1212:2000 (SABS 1212)
CKS 495	1907	<u>د</u>	2000-00-20	
CKS 408	1079	1	1980-01-01	SANS 1281-1980 (SARS 1281)
CKS 490	1001	1	1007 07 19	SANS 731-1-1995 (SABS 731-1)
CKS 501	1901	1	2008-10-03	
CKS 502	1079	1	1998-10-08	
CKS 504	1970	1	1998-10-08	
CKS 505	1079	1	2000-07-06	SANS 1329-3-2001 (SARS 1329-3)
CKS 500	1970	1	1979-01-01	SANS 1249-1979 (SABS 1249)
	1970	1	2002 04 05	OANO 1243.1373 (OADO 1243)
CKS 500	1970	1	1002-04-05	
CKS 509	1970	1	1008 01 26	
CKS 510	1970	1	1000 02 14	
CKS 511	1970	1	1990-02-14	
CKS 512	1970	1	1008 01 26	
CKS 513	1970	1	1009 01 26	
CKS 514	1970	1	2008 11 21	
CKS 515	1970	1 01	2000-11-21	
CKS 510	1079	1.01	1998-01-26	
CKS 510	1970	1	1998-01-26	
CKS 520	1970	1	1986-01-01	SANS 1227-1986 (SARS 1227)
CKS 521	1970	1	1989-01-01	SANS 545:1989 (SABS 545)
CKS 522	1070	1	1998-01-26	
CKS 523	1979	1	1989-01-01	SANS 545:1989 (SABS 545)
CKS 524	1985	2	1998-01-26	
CKS 525	1979	1	1998-01-26	
CKS 526	1979	1	1998-01-26	
CKS 527	1979	1	1998-01-26	
CKS 528	1985	2	1998-01-26	
CKS 529	1985	2	1998-01-26	
CKS 530	1979	1	1998-01-26	
CKS 531	1979	1	1999-02-25	SANS 1775:1999 (SABS 1775)
CKS 533	1979	1	1998-01-26	
CKS 534	1979	1	1998-01-26	
CKS 535	1979	1	1998-01-26	
CKS 536	1979	1	1990-02-14	
CKS 537	1979	1	1998-01-26	
CKS 538	1979	1	1998-01-26	
CKS 539	1979	1	1998-01-26	
CKS 540	1979	1	1990-02-14	
CKS 541	1979	1	1998-01-26	
CKS 542	1980	1	1985-01-01	SANS 1257:1985 (SABS 1257)
CKS 543	1980	1	1998-01-26	
CKS 544	1980	1	2005-06-03	

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by
	1080	1	1998-01-26	
CKS 546	1980	1	1998-01-26	
CKS 547	1980	1	1987-06-03	
CKS 548	1980	1	1998-01-26	
CKS 549	1980	1	2002-04-05	
CKS 550	1980	1	1998-01-26	
CKS 551	1980	1	1998-01-26	
CKS 555	1980	1	1987-01-01	SANS 1427-1987 (SABS 1427)
CKS 557	1981	1	2000-05-09	
CKS 558	1981	1	1985-01-01	SANS 1255:1985 (SABS 1255)
CKS 560	1981	1	2005-06-03	
CKS 561	2000	1.01	2007-11-02	SANS 11760:2007
CKS 563	1982	1	2007-03-16	SANS 327:2007
CKS 564	1982	1	2000-05-09	
CKS 565	1982	1	2009-08-21	SANS 1261-1:2008
CKS 566	1982	1	2002-04-05	
CKS 567	1982	1	1998-01-26	
CKS 568	1982	1	1986-08-13	
CKS 569	1982	1	1987-06-03	
CKS 570	1982	1	1998-01-26	
CKS 571	1982	1	1998-01-26	
CKS 572	1982	1	1998-01-26	
CKS 573	1982	1	1998-01-26	
CKS 574	1982	1	2000-09-08	SANS 1822:2000 (SABS 1822)
CKS 575	1982	1	1998-10-08	, , , , , , , , , , , , , , , , , , ,
CKS 576	1982	1	1998-01-26	
CKS 577	1982	1	1990-02-14	
CKS 578	1982	1	1998-01-26	
CKS 579	1982	1	1998-01-26	
CKS 580	1982	1	1998-01-26	
CKS 581	1982	1	1998-01-26	
CKS 582-1	1982	1	2007-11-02	
CKS 584	1983	1	2008-09-19	SANS 14356:2008
CKS 585	1983	1	1998-07-20	
CKS 586	1983	1	1998-01-26	
CKS 588	1983	1	2008-08-22	SANS 584:2008
CKS 589	1983	1	1998-05-20	SANS 10216:1998 (SABS 0216)
CKS 590	1984	1	2005-09-09	
CKS 591	1984	1	2005-06-03	
CKS 592	1984	1	1995-10-23	SANS 1620:1995 (SABS 1620)
CKS 593	1984	1	2008-09-19	SANS 22674:2008
CKS 594	1984	4	2008-09-19	SANS 6873:2008
CKS 595	1984	1	2003-08-26	SANS 50868-4:2003
CKS 597	1984	1	2000-02-17	
CKS 598	1985	1	2004-06-11	
CKS 599	1985	1	1998-01-26	
CKS 600	1985	1	1998-01-26	
CKS 601	1985	1	1998-01-26	
CKS 602	1985	1	1998-01-26	
CKS 603	1985	1	1998-01-26	
CKS 604	1987	1	1998-10-08	
CKS 606	1990	1	2008-01-25	
CKS 607	1990	1	2008-10-03	

Withdrawn standard	Issue	Ed	Date withdrawn	Replaced by
CKS 608	1991	1	2002-04-05	
CKS 609	2004	1.01	2011-07-08	
CKS 610	1986	1	2012-03-16	SANS 12281:2005
CKS 611	1987	1	2011-07-08	
CKS 614	1986	1	2009-08-21	SANS 1887-8:2008
CKS 616	1986	1	2000-06-23	
CKS 619	1988	1	2001-05-14	SANS 1823:2001 (SABS 1823)
CKS 620	1987	1	1999-03-16	SANS 1582-1:1993 (SABS 1582-1)
CKS 621	1987	1	2000-07-06	SANS 1582-2:2000 (SABS 1582-2)
CKS 622	1990	1	2011-07-08	, , , , , , , , , , , , , , , , , , ,
CKS 623	1991	1	2009-09-11	SANS 699:2009
CKS 625	1991	1	2005-06-03	
CKS 626	1986	1	2001-11-19	SANS 1873:2001 (SABS 1873)
CKS 627	1987	1	2012-08-31	SANS 1254:2012
CKS 628	1987	1	1998-01-26	
CKS 631	1986	1	1998-01-26	
CKS 634	1989	1	1999-06-03	SANS 60335-2-13:1993 (SABS IEC 60335-2-13) SANS 60335-2-37:2000 (SABS IEC 60335-2-37)
CKS 636	1992	1	2008-10-03	
CKS 639	1993	1	2009-08-21	SANS 1887-6:2008
CKS 640	1993	1	2005-08-26	
CKS 642	1993	1	2009-08-21	SANS 1887-5:2008
CKS 644	1995	1	2005-06-24	
CKS 645	1995	1	2005-06-24	
CKS 647	1996	1	2011-09-16	CKS 616:1986
CKS 649	2009	1.01	2012-08-31	SANS 1245:2012
CKS 650	1997	1	2005-02-25	SANS 12281:2005
CKS 667	1987	1	2005-06-03	
CKS 668	1987	1	2011-04-08	SANS 652:2007 (SABS 652)
CKS 674	1989	1	1997-01-01	SANS 1660:1996 (SABS 1660)
CKS 678	1988	1	2005-06-03	
CKS 685	1988	1	1998-10-08	
VC 8001	1981	1	1997-11-01	VC 8055:1996
VC 8002	1977	1	1997-11-30	VC 8055:1996
VC 8003	1965	1	1998-04-03	VC 8003:1998 VC 8052:1998
VC 8004	1965	1	1997-11-30	VC 8055:1996
VC 8005	1965	1	1997-11-30	VC 8055:1996
VC 8007	1965	1	1997-11-30	VC 8055:1996
VC 8009	1965	1	1997-11-30	VC 8055:1996
VC 8010	1965	1	1998-11-01	VC 8055:1996
VC 8015	1972	2	2004-07-09	VC 8014:2004
VC 8018	1973	1	1997-11-30	VC 8055:1996
VC 8020	1969	1	1999-05-14	VC 8020:1999
VC 8023	1992	2	1998-04-03	VC 8023:1998
VC 8030	1979	1	1997-11-30	VC 8055:1996
VC 8037 SET	1989	1	2003-03-20	VC 8072:2003
VC 8037-1	1989	1	2003-03-20	VC 8072:2003
VC 8037-2	1989	1	2003-03-20	VC 8072:2003
VC 8037-3	1989	1	2003-03-20	VC 8072:2003
VC 8037-4	1990	1	2003-03-20	VC 8072:2003
VC 8037-5	1990	1	2003-03-20	VC 8072:2003
VC 8038 SET	1990	1	2003-03-20	VC 8073:2003

Withdrawn standard	lssue	Ed	Date withdrawn	Replaced by	
VC 8038-1	1990	1	2003-03-20	VC 8073:2003	
VC 8038-2	1990	1	2003-03-20	VC 8073:2003	
VC 8038-3	1990	1	2003-03-20	VC 8073:2003	
VC 8038-4	1990	1	2003-03-20	VC 8073:2003	
VC 8040	1992	2	1998-04-03	VC 8053:1998	
VC 8042	1950	1	2008-08-08		
VC 8044	1996	1	1998-04-03	VC 8053:1998	
VC 8045	1996	1	1998-04-03	VC 8053:1998	
VC 8073	2003	1	2011-05-13	VC 8072:2011	
VC 8073	2003	1	2011-05-13	VC 8072:2011	
	2008	1	2012-08-16	US-ERGB:2012	