



## LIFTING EQUIPMENT ENGINEERING ASSOCIATION OF SOUTH AFRICA

### Technical Standards applicable to the LME & LMI

SANS Standards (South African National Standards)		
Standard Number	Edition	Description
SANS 10087-1 2008	Ed5.0	The handling storage and distribution and maintenance of liquified petroleum gas
SANS 10087-7 2011	Ed3.1	The handling and use of liquefied petroleum gas
SANS 10187-1 2009	Ed1.1	Load Securement on Vehicles - Part 1 General Requirements
SANS 10263-2 2008	Ed1.0	The Warehousing of dangerous goods Part 2, The Storage and Handling of Gas Cylinders
SANS 10295 2008	Ed 2.0	Hand signals used with cranes and with lifting and suspended equipment
SANS 10295-1 2003	Ed1.0	Suspended Access Equipment - Part 1
SANS 10295-2 2003	Ed1.1	Suspended Access Equipment - Part 2
SANS 1035 2015	Ed1.0	Rail bound rolling stock lifting jacks used for underground applications
SANS 10375 2006	Ed1.0	The Inspection & Testing of Overhead Cranes
SANS 10375 2018	Ed2.0	The Inspection & Testing of Overhead Cranes
SANS 1126 2007	Ed2.0	Mechanical Jacks
SANS 1304-2 2009	Ed1.0	Light Ladders
SANS 1545-5 2007	Ed1.1	Electric and Hydraulic Access, goods only lifts
SANS 1592 2005	Ed1.2	Short Link Steel Chain for lifting appliances
SANS 1594 2003	Ed2.0	Manually Operated Chain Blocks
SANS 1594 2007	Ed2.1	Manually Operated Chain Blocks
SANS 1595 2003	Ed2.0	Forged steel lifting hooks for use with steel chains of strength grade 4-5-6-8-10
SANS 1596 2011	Ed1.2	Drop forged eyebolts and eye nuts for lifting purposes
SANS 1599-1 2006	Ed 1.4	Cantilever Slewing Jib Cranes Part 1
SANS 1599-1 2017	Ed 1.5	Cantilever & Slewing Jib Cranes Part 1
SANS 1614-2017	Ed 1.1	Vehicle Support Stands
SANS 1636 2003	Ed2.0	Manually Operated Chain Lever Hoists
SANS 1636 2007	Ed2.1	Manually Operated Chain Lever Hoists
SANS 1637 2008	Ed1.2	Reconditioned manually operated chain lever hoists
SANS 1638 2008	Ed2.0	Pneumatically powered chain hoists
SANS 1640 2008	Ed1.2	Reconditioned manually operated chain hoists
SANS 16877 2018	Ed1.0	Round steel short link chains for lifting
SANS 1819 2006	Ed 1.2	Snatch Blocks
SANS 1824 2009	Ed 1.1	Beam Trolleys
SANS 189 2006	Ed4.1	Short link steel chain for lifting purposes
SANS 189 2010	Ed4.2	Short Link Chains (Medium Tolerance)
SANS 189 2010	Ed4.2	Short Link Steel Chain for Lifting Purposes
SANS 19:2018	Ed2.0	The inspection, testing and examination of mobile cranes
SANS 2262 1984	Ed1.2	General Purpose Thimbles for use with wire ropes
SANS 2408 2005	Ed2.0	Steel Wire Ropes for general Purposes
SANS 2415 1987	Ed0.0	Forged shackles for general lifting purposes
SANS 2415 2005	Ed2.0	Forged shackles for general lifting purposes
SANS 251 2006	Ed5.0	Long Link and extra long link medium tolerance steel chains for general purposes
SANS 2972 2013	Ed1.0	Lifting Tackle Inspections
SANS 2972 2016	Ed1.0	Lifting Tackle Inspections
SANS 3077 2008	Ed1.0	Short Link Lifting Chain for lifting purposes Grade T,DAT,DT
SANS 4778 1981	Ed1.2	Chain Slings of Welded Construction
SANS 500 2009	Ed1.0	Inspection examination and testing of manually operated chain blocks and chain lever hoists in use
SANS 50360 2003	Ed2.0	Retractable Type Fall Arrestors
SANS 50361 2003	Ed2.0	Personal Protective Equipment against Falls from height - FBH
SANS 50362 2008	Ed2.0	Personal Protective Equipment against Falls from height - Connectors
SANS 50365 2008	Ed2.0	Personal protective equipment against fall from height - General Requirements
SANS 50818-4 2007	Ed1.1	Short Link Chain for Lifting Purposes - Part 4 Chain Slings Grade 8
SANS 50818-6 2007	Ed1.1	Short Link Chain for Lifting Purposes - Part 6 Information for use and maintenance
SANS 50818-6 2007	Ed1.1	Short Link Chain for Lifting Purposes - Part 6 Information for use and maintenance
SANS 50818-6 2008	Ed1.2	Selection of wire ropes for cranes
SANS 50818-6 2010	Ed1.4	Cranes - inspections Part 1 General
SANS 50818-6 2013	Ed1.7	Inspection, test & examination of Tower cranes in use.
SANS 50818-6 2014	Ed1.8	part 1 & 2 Inspection, test & examination of lifting platforms in use.
SANS 522 2020	Ed1.1	The inspection, testing and examination of tower cranes

## Standard List - Rev2

SANS 550-1 2011	Ed3.2	Wooden Ladders Part 1
SANS 550-4 2005	Ed3.1	Wooden Ladders Part 4
SANS 583 2015	Ed1.0	Non Integrated Work Platforms for occasional use on lift trucks
SANS 687 2008	Ed1.0	Inspection & Testing of Non-Fixed load lifting attachments
SANS 7531 1987	Ed1.3	Wire rope slings for general purposes
SANS 7593 1986	Ed1.2	Chain Slings assembled by methods other than welding - Grade 8
SANS 813 2008	Ed3.0	Clamps for Wire Ropes
SANS 813 2008	Ed3.2	Clamps for wire ropes
SANS 8539 2010	Ed2.0	Forged Steel lifting components used with grade 8 chains
SANS 94-1 2003	Ed1.0	Textile Slings - Flat woven webbing slings made of man made fibres for general purpose use Part 1
SANS 9927-1 2020	Ed1.0	Cranes - Inspections - Part 1 General
<b>ASME Standards (The American Society of Mechanical Engineers)</b>		
Standard Number	Edition	Description
AD-A955 309		US Navy Wire Rope Hand Book Volume II
ASME B30.10-200X		Hooks
ASME B30.16-201X		OVER HEAD HOISTS
ASME B30.23-2005		Rigging Requirements for Personell Platforms
ASME-B30.11-2010		Monorails and Underhung Cranes
<b>BS and EN Standards (British Standard &amp; European Standards)</b>		
Standard Number	Edition	Description
BE EN 1496 1996		Rescue Equipment - Rescue Lifting Devices
BS 2853 1957		Design and Testing of overhead runway beams
BS 2853 1957		The Design and Testing of Steel Overhead Runway Beams
BS 2853 2011		Testing of Steel Runway Beams
BS 3243 1973		Hand Operated Chain Pulley Blocks
BS 7262 1990		Specification for automatic Safe Load indicators.
BS EN 13157 2008		Cranes - Safety - Hand Powered Cranes
BS EN 13157 2010		Hand Powered Cranes
BS EN 13411-1		Termination for steel wire ropes - safety - Part 1 Thimbles for steel wire rope slings
BS EN 13411-2		Termination for steel wire ropes - safety - Part 2 Splicing of eyes for wire rope slings
BS EN 13411-3		Termination for steel wire ropes - safety - Part 3 Ferrules and Ferrule - securing
BS EN 13411-4		Termination for steel wire ropes - safety - Part 4 Metal and resin socketing
BS EN 13411-5		Termination for steel wire ropes - safety - Part 5 U-Bolt wire rope grips
BS EN 13411-6		Termination for steel wire ropes - safety - Part 6 Asymmetric wedge sockets
BS EN 13411-7		Termination for steel wire ropes - safety - Part 7 Symmetric wedge sockets
BS EN 13411-8		Termination for steel wire ropes - safety - Part 8 Swage terminals and swaging
BS EN 13414-1		SWRS for general lifting service - Part 1
BS EN 14492-2		Cranes Power driven winches & hoists - Part 2 Power Driven Hoists
BS EN 14502-1		Cranes - Equipment for Lifting Persons - Part 1 Suspended Baskets
BS EN 14502-2		Cranes - Equipment for the Lifting of Persons - Part 2 Elevating Control Stations
BS EN 1496 1996		Rescue Equipment - Rescue Lifting Devices
BS EN 14985		Slewing Jib Cranes
BS EN 1993-1-9 2007		Design of steel structures fatigue - Part 1-9
BS EN 365 2004-1		Personal protective equipment against falls from height - general requirements
BS EN 818-6		Short Link Chain for lifting purposes - Part 6 Information for use
BS EN-795		Personal fall protection equipment
EN 09.2015		A brief guide for identification of non-compliant winches and hoists
EN 818-1-2008		Short Link Chain for Lifting Purposes - Part 1 General Conditions
EN 818-2-2008		Short Link Chain for Lifting Purposes - Part 2 Medium Tolerance Chain for Chain Slings Grade 8
EN 818-4-2008		Short Link Chain for Lifting Purposes - Part 4 Chain Slings Grade 8

The above list is only made available for reference purposes and it is the responsibility of the LME / LMI to ensure they are in possession of the correct standards where applicable and apply the correct standards to the equipment in question. Standards are reviewed as and where required and it is the responsibility of the LME / LMI to ensure compliance to the most recent standard applicable.