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SANS 1636:2007

Edition 2.1

SOUTH AFRICAN NATIONAL STANDARD

Manually operated chain lever hoists

SANS 1636:2007
Edition 2.1

Table of changes

Change No.	Date	Scope
Amdt 1	2007	Amended to add requirements for the free-end chain stop (4.2.8), to add test apparatus in the subclause on test apparatus (5.2), to replace the terms "hand chain" and "chain block" with the terms "lever arm" and "lever hoist", respectively, in the proof load and braking test (5.4.4.1), to delete a step in the proof load and braking test (5.4.4.4), to add steps to the endurance test (5.4.5), to add a free-end chain stop test (5.4.7.3), to change and to add requirements for the information to be included in the test certificate (clause 6), and to delete the clause on operator's manual (clause 8) and to replace it with a clause on documentation.

Foreword

This South African standard was approved by National Committee SABS TC 1020, *Lifting equipment*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This document was published in November 2007. This document supersedes SANS 1636:2003 (edition 2).

A vertical line in the margin shows where the text has been technically modified by amendment No. 1.

Annex A forms an integral part of this document. Annex B is for information only.

**Reaffirmed and reprinted in May 2013.
This document will be reviewed every five years
and be reaffirmed, amended, revised or withdrawn.**

Contents

	Page
Foreword	
1 Scope	3
2 Normative references	3
3 Definitions	3
4 Requirements	4
5 Inspection and methods of test	8
5.1 General	8
5.2 Test apparatus	8
5.3 Inspection	8
5.4 Type tests	8
5.5 Manufacturing proof tests	10
6 Test certificate	10
7 Marking	11
8 Documentation	11
Annex A (normative) Notes to purchasers	12
Annex B (informative) Quality verification of chain lever hoists	12
Bibliography	12

SANS 1636:2007
Edition 2.1

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1 Scope

This standard specifies the requirements for manually operated chain lever hoists.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provision of this standard. All standards are subject to revision and, since any reference to a standard is deemed to be a reference to the latest edition of that standard, parties to agreements based on this standard are encouraged to take steps to ensure the use of the most recent editions of the standards indicated below. Information on currently valid national and international standards can be obtained from the SABS Standards Division.

SANS 1592, *Short-link steel chain (close-tolerance) for lifting appliances.*

SANS 7500-1/ISO 7500-1, *Metallic materials – Verification of static uniaxial testing machines – Part 1: Tension/compression testing machines – Verification and calibration of the force-measuring system.*

3 Definitions

For the purposes of this document, the following definitions apply:

3.1

acceptable

acceptable to the authority administering this standard, or to the parties concluding the purchase contract, as relevant

3.2

chain lever hoist

portable tool reeved with a short-link close-tolerance steel chain and operated by a lever to give a mechanical advantage

3.3

competent person

person in possession of a recognized professional qualification, or who has the necessary extensive knowledge, training and experience and who has successfully demonstrated the ability to solve or resolve problems relating to the subject matter and work

3.4

factor of safety

numerical value of the ratio of the ultimate load to the working load limit (WLL)