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SANS 62-1:2013

Edition 3.3

SOUTH AFRICAN NATIONAL STANDARD

Steel pipes

Part 1: Pipes suitable for threading and of nominal size not exceeding 150 mm

SANS 62-1:2013
Edition 3.3

Table of changes

Change No.	Date	Scope
Amdt 1	2003	Has been amended to clarify the requirements for welded pipe, to amplify two titles, to re-arrange the sequence in a test procedure, to include a minimum leak tightness test, and to reduce the time to test a pipe.
Amdt 2	2012	Amended to update referenced standards.
Amdt 3	2013	Amended to update the finishing requirements of pipes, modify table 1, change cross references, update a referenced standard, modify the procedure for the flattening test and change the requirements for marking.

Foreword

This South African standard was approved by National Committee SABS SC 138M, *Water and sanitation – Equipment and systems – Metallic pipes and fittings*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This document was published in April 2013.

This document supersedes SANS 62-1:2012 (edition 3.2).

A vertical line in the margin shows where the text has been technically modified by amendment No. 3.

SANS 62 consists of the following parts under the general title *Steel pipes*:

Part 1: Pipes suitable for threading and of nominal size not exceeding 150 mm.

Part 2: Screwed pipes and pipe fittings of nominal size not exceeding 150 mm.

Annex A forms an integral part of this document. Annexes B and C are for information only.

Contents

	Page
Foreword	
1 Scope	3
2 Normative references	3
3 Definitions	4
4 Requirements	4
5 Inspection and methods of test	10
5.1 Inspection	10
5.2 Weld integrity test	10
5.3 Hydraulic pressure test	11
5.4 Flattening test	12
5.5 Flare test	12
6 Packing and marking	14
Annex A (normative) Notes to purchasers	15
Annex B (informative) Steel pipes systems — Guide on life expectancy	16
Annex C (informative) Quality verification of steel pipes	17
Bibliography	17

SANS 62-1:2013
Edition 3.3

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Steel pipes

Part 1:

Pipes suitable for threading and of nominal size not exceeding 150 mm

1 Scope

This part of SANS 62 covers the requirements for two classes (medium and heavy-based on wall thickness) of welded and seamless steel pipes with screwed or plain ends and of nominal size in the range 8 mm to 150 mm.

NOTE For light gauge welded steel pipes used for the conveyance of fluids, see SANS 1182.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of SANS 62. 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 part of SANS 62 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.

ISO 10893-2, *Non-destructive testing of steel tubes – Part 2: Automated eddy current testing of seamless and welded (except submerge arc-welded) steel tubes for the detection of imperfections.*
Amdt 2

SANS 32/EN 10240, *Internal and/or external protective coatings for steel tubes – Specification for hot dip galvanized coatings applied in automatic plants.*

SANS 62-2, *Steel pipes – Part 2: Screwed pieces and pipe fittings of nominal size not exceeding 150 mm.*

SANS 121/ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles – Specifications and test methods.*
Amdt 3

SANS 1109-1/ISO 7-1, *Pipe threads where pressure-tight joints are made on the threads – Part 1: Dimensions, tolerances and designation.*

SANS 1109-2/ISO 7-2, *Pipe threads where pressure-tight joints are made on the threads – Part 2: Verification by means of limit gauges.*

SANS 6892-1/ISO 6892-1, *Metallic materials – Tensile testing – Part 1: Method of test at room temperature.*
Amdt 2