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SANS 1556-2:2005

Edition 1.1

SOUTH AFRICAN NATIONAL STANDARD

ISO metric screw threads

Part 2: Selected limits of size for general purpose screw threads

SANS 1556-2:2005
Edition 1.1

Table of changes

Change No.	Date	Scope
Amdt 1	2005	Amended to change the designation of SABS standards to SANS standards and to update referenced standards.

Foreword

This South African standard was approved by National Committee SABS TC 2, *Screw threads and fasteners*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This edition cancels and replaces edition 1 (SABS 1556-2:1992).

SANS 1556 consists of the following parts, under the general title *ISO metric screw threads*:

Part 1: Principles and basic data for general purpose screw threads.

Part 2: Selected limits of size for general purpose screw threads.

~~*Part 3: MJ threads for aerospace use.*~~

Amdt 1

Annex A (Bibliography) is for information only.

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

<p>Reaffirmed and reprinted in May 2011. This standard will be reviewed every five years and be reaffirmed, amended, revised or withdrawn.</p>

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ISO metric screw threads

Part 2:

Selected limits of size for general purpose screw threads

1 Scope

This part of SANS 1556 specifies the fundamental deviations, tolerances and limits of size for the relevant of tolerance classes 4H, 5H, 6H and 7H for internal [nut] threads and 4h, 6g and 8g for external [bolt] threads where appropriate for:

- a) coarse pitch series within the range 1 mm to 68 mm diameter;
- b) fine pitch series within the range 1 mm to 33 mm diameter; and
- c) constant pitch series within the range 8 mm to 300 mm diameter.

NOTE 1 For certain diameter/pitch combinations, tolerance class 4H for internal threads and tolerance classes 6h and 4g for external threads have been included in SANS 1700-2-21 and SANS 1700-2-22, primarily for use on aircraft.

Amdt 1

NOTE 2 With the different screw thread forms available, there is the possibility of mismatch. It is the responsibility of the designer of the end product to ensure that this possibility is reduced to the minimum in accordance with PD 6494.

2 Normative references

This standard contains provisions which, through reference in this text, constitute provisions of this part of SANS 1556. 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 1556 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.

BS 919-3, *Screw gauge limits and tolerances – Part 3: Gauges for ISO metric screw threads.*

SANS 1556-1, *ISO metric screw threads – Part 1: Principles and basic data for general purpose screw threads.*