INTERNATIONAL STANDARD

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ISO miniature screw threads

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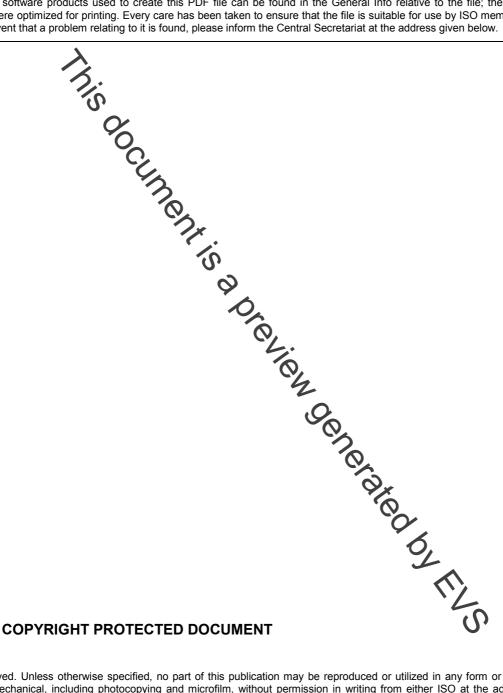


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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in Maison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 1501 was prepared by Technical Committee SO/TC 1, Screw threads.

This first edition of ISO 1501 is a technical revision ISO/R 1501:1970, which was cancelled in 1998.

ISO miniature screw threads

Scope

This International standard specifies the profiles, diameter-pitch combinations, basic dimensions, tolerances, limits of size and designation for ISO miniature screw threads with nominal diameters from 0,3 mm to 1,4 mm. These threads are applicable to timepieces, optical instruments, electrical meters, measuring instruments, etc.

The profiles and tolerance system for ISO miniature screw threads (S) differ from the profile and tolerance system for ISO general purpose metric screw threads (M).

For threads with nominal diameters from 1 mm to 1,4 mm, designers shall decide to use ISO general purpose metric screw threads (M) or ISO miniature screw threads (S). ISO miniature screw threads are shown in Annex A.

Annex C illustrates the differences in maintain screw threads between the ISO International Standards and those of certain countries.

2 Normative references

The following referenced documents are indispersable for the application of this document. For dated references, only the edition cited applies. For uneated references, the latest edition of the referenced document (including any amendments) applies.

ISO 5408:—1), Screw threads — Vocabulary

3 Terms and definitions

For the purposes of this document, the terms and definitions given in \$5408 apply.

Symbols

The following symbols are used:

Symbol	Term
D	basic major diameter of internal thread; nominal diameter
D_2	basic pitch diameter of internal thread
D_1	basic minor diameter of internal thread
d	basic major diameter of external thread; nominal diameter

¹⁾ To be published. (Revision of ISO 5408:1983)

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