

INTERNATIONAL STANDARD

ISO 724

Second edition
1993-10-15

ISO general-purpose metric screw threads — Basic dimensions

Filetages métriques ISO pour usages généraux — Dimensions de base



Reference number
ISO 724:1993(E)

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 liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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.

International Standard ISO 724 was prepared by Technical Committee ISO/TC 1, *Screw threads*, Sub-Committee SC 1, *Basic data*.

This second edition cancels and replaces the first edition (ISO 724:1978), the table of which has been technically revised.

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International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

ISO general-purpose metric screw threads — Basic dimensions

1 Scope

This International Standard specifies the basic dimensions, in millimetres, of ISO metric screw threads in accordance with ISO 261. The values refer to the basic profile in accordance with ISO 68.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 68:—¹⁾, *ISO general-purpose screw threads — Basic profile.*

ISO 261:—²⁾, *ISO general-purpose metric screw threads — General plan.*

ISO 5408:1983, *Cylindrical screw threads — Vocabulary.*

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 5408 apply.

4 Symbols

D basic major diameter of internal thread (nominal diameter)

- d basic major diameter of external thread (nominal diameter)
- D_2 basic pitch diameter of internal thread
- d_2 basic pitch diameter of external thread
- D_1 basic minor diameter of internal thread
- d_1 basic minor diameter of external thread
- H height of fundamental triangle
- P pitch

5 Basic dimensions

Dimensions shall be as shown in figure 1 and given in table 1.

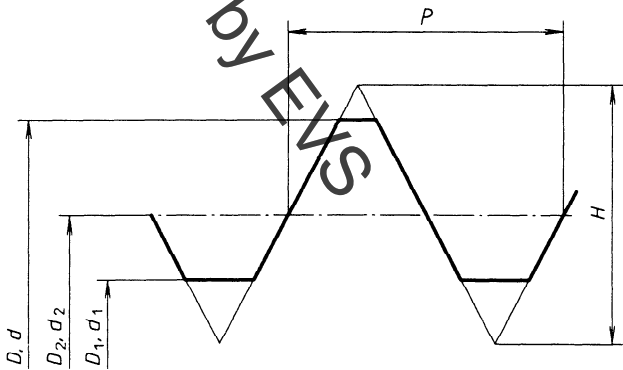


Figure 1 — Basic dimensions

1) To be published. (Revision of ISO 68:1973)
2) To be published. (Revision of ISO 261:1973)