
**ISO general purpose metric screw
threads — Selected sizes for screws,
bolts and nuts**

*Filetages métriques ISO pour usages généraux — Sélection de dimensions
pour la boulonnerie*

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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 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 262 was prepared by Technical Committee ISO/TC 1, *Screw threads*, Subcommittee SC 1, *Basic data*.

This second edition cancels and replaces the first edition (ISO 262:1973) which has been technically revised.

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ISO general purpose metric screw threads — Selected sizes for screws, bolts and nuts

1 Scope

This International Standard specifies selected sizes for screws, bolts and nuts in the diameter range from 1 mm to 64 mm of ISO general purpose metric screw threads (M) having basic profile according to ISO 68-1.

These selected sizes are recommended also for general engineering use.

These screw threads are selected from ISO 261.

For thread designations see ISO 965-1.

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 68-1:1998, *ISO general purpose screw threads — Basic profile — Part 1: Metric screw threads*.

ISO 261:1998, *ISO general purpose metric screw threads — General plan*.

ISO 965-1:1998, *ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data*.

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

3 Definitions

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

4 Selected sizes

See table 1.

Table 1

Dimensions in millimetres

| Nominal diameter <i>D, d</i> | | Pitch <i>P</i> | | |
|---------------------------------|------------|---------------------|------|------|
| 1st choice | 2nd choice | coarse | fine | |
| 1 | | 0,25 | | |
| 1,2 | 1,4 | 0,25 0,3 | | |
| 1,6 | 1,8 | 0,35 0,35 0,4 | | |
| 2,5 | | 0,45 | | |
| 3 | 3,5 | 0,5 0,6 | | |
| 4 | | 0,7 | | |
| 5 | | 0,8 | | |
| 6 | | 1 | | |
| | 7 | 1 | | |
| 8 | | 1,25 | 1 | |
| 10 | | 1,5 | 1,25 | 1 |
| 12 | | 1,75 | 1,5 | 1,25 |
| | 14 | 2 | 1,5 | |
| 16 | | 2 | 1,5 | |
| | 18 | 2,5 | 2 | 1,5 |
| 20 | | 2,5 | 2 | 1,5 |
| | 22 | 2,5 | 2 | 1,5 |
| 24 | | 3 | 2 | |
| | 27 | 3 | 2 | |
| 30 | | 3,5 | 2 | |
| | 33 | 3,5 | 2 | |
| 36 | | 4 | 3 | |
| | 39 | 4 | 3 | |
| 42 | | 4,5 | 3 | |
| | 45 | 4,5 | 3 | |
| 48 | | 5 | 3 | |
| | 52 | 5 | 4 | |
| 56 | | 5,5 | 4 | |
| | 60 | 5,5 | 4 | |
| 64 | | 6 | 4 | |