



NSAI
Standards

Irish Standard
I.S. EN ISO 4753:2011

Fasteners - Ends of parts with external ISO metric thread (ISO 4753:2011)

I.S. EN ISO 4753:2011

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English Version

Fasteners - Ends of parts with external ISO metric thread (ISO 4753:2011)

Éléments de fixation - Extrémités des éléments à filetage
extérieur métrique ISO (ISO 4753:2011)

Mechanische Verbindungselemente - Enden von Teilen mit
metrischem ISO-Außengewinde (ISO 4753:2011)

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Foreword

This document (EN ISO 4753:2011) has been prepared by Technical Committee ISO/TC 2 "Fasteners" in collaboration with Technical Committee CEN/TC 185 "Fasteners" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2012, and conflicting national standards shall be withdrawn at the latest by May 2012.

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

This document supersedes EN ISO 4753:1999.

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I.S. EN ISO 4753:2011
**INTERNATIONAL
STANDARD**

**ISO
4753**

Third edition
2011-11-01

**Fasteners — Ends of parts with external
ISO metric thread**

*Éléments de fixation — Extrémités des éléments à filetage extérieur
métrique ISO*



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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.

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.

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ISO 4753 was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 7, *Reference standards*.

This third edition cancels and replaces the second edition (ISO 4753:1999), which has been technically revised.

Fasteners — Ends of parts with external ISO metric thread

1 Scope

This International Standard specifies the form and dimensions of ends of parts with external ISO metric screw thread (e.g. bolt, screw and stud ends) recommended for use. They apply to standardized or non-standardized threaded parts.

For each end type, a symbol is specified and it is intended that these symbols be used when specifying one of the ends for threaded fasteners.

2 Normative references

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

ISO 225, *Fasteners — Bolts, screws, studs and nuts — Symbols and descriptions of dimensions*

ISO 4027, *Hexagon socket set screws with cone point*

3 Dimensions

3.1 General

See Figures 1 and 2 and Tables 1 to 4.

Symbols and descriptions of dimensions are specified in ISO 225.

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