

INTERNATIONAL
STANDARD

ISO
10663

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**Hexagon nuts with flange — Fine pitch
thread**

Écrous hexagonaux à embase cylindro-tronconique — Filetage à pas fin



Reference number
ISO 10663:1999(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 10663 was prepared by Technical Committee ISO/TC 2, *Fasteners*.

Annex A forms an integral part of this International Standard.

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International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

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Hexagon nuts with flange — Fine pitch thread

1 Scope

This International Standard specifies the characteristics of hexagon nuts with flange and metric fine pitch thread with nominal thread diameters from 8 mm to 20 mm, in product grade A for $d \leq 16$ mm and product grade B for $d > 16$ mm.

If, in special cases, specifications other than those listed in this International Standard are required, they should be selected from existing International Standards, for example ISO 261, ISO 898-6, ISO 965-2, ISO 3506-2.

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 225:1983, *Fasteners — Bolts, screws, studs and nuts — Symbols and designations of dimensions.*

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

ISO 898-6:1994, *Mechanical properties of fasteners — Part 6: Nuts with specified proof load values — Fine pitch thread.*

ISO 965-2:1998, *ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality.*

ISO 3269:—¹⁾, *Fasteners — Acceptance inspection.*

ISO 3506-2:1997, *Mechanical properties of corrosion-resistant stainless-steel fasteners — Part 2: Nuts.*

ISO 4042:—²⁾, *Fasteners — Electroplated coatings.*

ISO 4759-1:—³⁾, *Tolerances for fasteners — Part 1: Bolts, screws, studs and nuts — Product grades A, B and C.*

ISO 6157-2:1995, *Fasteners — Surface discontinuities — Part 2: Nuts.*

ISO 8992:1986, *Fasteners — General requirements for bolts, screws, studs and nuts.*

¹⁾ To be published. (Revision of ISO 3269:1988)

²⁾ To be published. (Revision of ISO 4042:1989)

³⁾ To be published. (Revision of ISO 4759-1:1978)