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NSAI Standards

Irish Standard
I.S. EN ISO 7040:2012

Prevailing torque type hexagon regular nuts (with non-metallic insert) -- Property classes 5, 8 and 10 (ISO 7040:2012)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 7040

December 2012

ICS 21.060.20

Supersedes EN ISO 7040:1997

English Version

Prevailing torque type hexagon regular nuts (with non-metallic insert) - Property classes 5, 8 and 10 (ISO 7040:2012)

Écrous hexagonaux normaux autofreinés (à anneau non métallique) - Classes de qualité 5, 8 et 10 (ISO 7040:2012)

Sechskantmuttern mit Klemmteil (mit nichtmetallischem Einsatz), Typ 1 - Festigkeitsklassen 5, 8 und 10 (ISO 7040:2012)

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Foreword

This document (EN ISO 7040:2012) 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of an identical text or by endorsement, at the latest by June 2013, and conflicting national standards shall be withdrawn at the latest by June 2013.

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.

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I.S. EN ISO 7040:2012

INTERNATIONAL STANDARD

ISO 7040

Third edition
2012-12-15

Prevailing torque type hexagon regular nuts (with non-metallic insert) — Property classes 5, 8 and 10

Écrous hexagonaux normaux autofreinés (à anneau non métallique) — Classes de qualité 5, 8 et 10

Reference number
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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 7040 was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 12, *Fasteners with metric internal thread*.

This third edition cancels and replaces the second edition (ISO 7040:1997), of which it constitutes a minor revision.

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Prevailing torque type hexagon regular nuts (with non-metallic insert) — Property classes 5, 8 and 10

1 Scope

This International Standard specifies the characteristics of prevailing torque type hexagon regular nuts (with non-metallic insert), with threads from M3 up to and including M36, in product grade A for threads up to and including M16 and product grade B for threads above M16, and with property classes 5, 8 and 10.

NOTE The dimensions of the nuts correspond to those given in ISO 4032 plus prevailing torque feature.

If other specifications are required, they can be selected from existing International Standards, for example ISO 261, ISO 724, ISO 898-2, ISO 965-2, ISO 2320 and ISO 4759-1.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable to its application. 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 261, *ISO general purpose metric screw threads — General plan*

ISO 724, *ISO general-purpose metric screw threads — Basic dimensions*

ISO 898-2, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 2: Nuts with specified property classes — Coarse thread and fine pitch thread*

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

ISO 2320, *Prevailing torque type steel nuts — Mechanical and performance properties*

ISO 3269, *Fasteners — Acceptance inspection*

ISO 4042, *Fasteners — Electroplated coatings*

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

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

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

ISO 10683, *Fasteners — Non-electrolytically applied zinc flake coatings*

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