



SLOVENSKI STANDARD SIST EN ISO 2320:2009

01-maj-2009

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SIST EN ISO 2320:2001

SIST EN ISO 2320:2001/AC:2008

Jeklene samovarovalne matice - Mehanske in funkcionalne lastnosti (ISO 2320:2008)

Prevailing torque type steel nuts - Mechanical and performance properties (ISO 2320:2008)

iTeh STANDARD PREVIEW

Muttern aus Stahl mit Klemmteil - Mechanische und funktionelle Eigenschaften (ISO 2320:2008)

Écrous autofreinés en acier - Caractéristiques mécaniques et performances (ISO 2320:2008)

Ta slovenski standard je istoveten z: EN ISO 2320:2008

ICS:

21.060.20 Matice Nuts

SIST EN ISO 2320:2009 en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 2320

November 2008

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Supersedes EN ISO 2320:1997

English Version

Prevailing torque type steel nuts - Mechanical and performance properties (ISO 2320:2008)

Écrous autofreinés en acier - Caractéristiques mécaniques et performances (ISO 2320:2008)

Muttern aus Stahl mit Klemmteil - Mechanische und funktionelle Eigenschaften (ISO 2320:2008)

This European Standard was approved by CEN on 25 October 2008.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Foreword

This document (EN ISO 2320:2008) 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of an identical text or by endorsement, at the latest by May 2009, and conflicting national standards shall be withdrawn at the latest by May 2009.

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 2320:1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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INTERNATIONAL
STANDARD

ISO
2320

Fourth edition
2008-11-01

**Prevailing torque type steel nuts —
Mechanical and performance properties**

Écrous autofreinés en acier — Caractéristiques mécaniques et performances

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ISO 2320:2008(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.

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.

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

ISO 2320 was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 1, *Mechanical properties of fasteners*.

This fourth edition cancels and replaces the third edition (ISO 2320:1997), which has been technically revised. It also incorporates the Technical Corrigendum ISO 2320:1997/Cor.1:2006.

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Prevailing torque type steel nuts — Mechanical and performance properties

1 Scope

This International Standard specifies the mechanical and performance properties for prevailing torque type steel nuts when tested at an ambient temperature range of +10 °C to +35 °C. It includes a single test to determine the prevailing torque properties (performance properties) and/or the torque/clamp force properties.

This International Standard applies to prevailing torque all metal type nuts and prevailing torque non-metallic insert type nuts:

- a) with triangular ISO thread according to ISO 68-1;
- b) with diameter/pitch combination according to ISO 261 and ISO 262;
- c) with coarse pitch thread M3 to M39 and mechanical properties according to ISO 898-2;
- d) with fine pitch thread M8×1 to M39×3 and mechanical properties according to ISO 898-6;
- e) within the temperature range of –50 °C to +150 °C for prevailing torque all metal type nuts;

NOTE 1 See Clause 7, paragraph 3.

- f) within the temperature range of –50 °C to +120 °C for prevailing torque non-metallic insert type nuts.

NOTE 2 See Clause 7, paragraph 4.

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 273:1979, *Fasteners — Clearance holes for bolts and screws*

ISO 898-1, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs*

ISO 898-2, *Mechanical properties of fasteners — Part 2: Nuts with specified proof load values — Coarse thread*

ISO 898-6, *Mechanical properties of fasteners — Part 6: Nuts with specified proof load values — 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 16047, *Fasteners — Torque/clamp force testing*