



**SLOVENSKI STANDARD  
SIST EN ISO 4033:2023**

**01-november-2023**

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**Vežni elementi - Šestrobe visoke matice (tip 2) (ISO 4033:2023)**

Fasteners - Hexagon high nuts (style 2) (ISO 4033:2023)

Mechanische Verbindungselemente - Hohe Sechskantmuttern (Typ 2) (ISO 4033:2023)

Fixations - Écrous hauts hexagonaux (style 2) (ISO 4033:2023)

**Ta slovenski standard je istoveten z: EN ISO 4033:2023**

<https://standards.iteh.ai/catalog/standards/sist/a3c5fc67-6468-4a25-b76f-d3faa8b910de/sist-en-iso-4033-2023>

**ICS:**

21.060.20      Matice      Nuts

**SIST EN ISO 4033:2023**      **en,fr,de**



EUROPEAN STANDARD

EN ISO 4033

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2023

ICS 21.060.20

Supersedes EN ISO 4033:2012

English Version

## Fasteners - Hexagon high nuts (style 2) (ISO 4033:2023)

Fixations - Écrous hauts hexagonaux (style 2) (ISO  
4033:2023)Mechanische Verbindungselemente - Hohe  
Sechskantmutter (Typ 2) (ISO 4033:2023)

This European Standard was approved by CEN on 10 June 2023.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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## European foreword

This document (EN ISO 4033:2023) 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 BSI.

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of an identical text or by endorsement, at the latest by March 2024, and conflicting national standards shall be withdrawn at the latest by March 2024.

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

This document supersedes EN ISO 4033:2012.

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### Endorsement notice

The text of ISO 4033:2023 has been approved by CEN as EN ISO 4033:2023 without any modification.



INTERNATIONAL  
STANDARD

ISO  
4033

Fourth edition  
2023-08

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**Fasteners — Hexagon high nuts  
(style 2)**

*Fixations — Écrous hauts hexagonaux (style 2)*

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## ISO 4033:2023(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

This document was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 12, *Fasteners with metric internal thread*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 185, *Fasteners*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 4033:2012) which has been technically revised.

The main changes are as follows:

- M7, M18, M22, M27, M33 and M39 have been added;
- minimum height of the washer-face  $c_{\min}$  has been added;
- $d_{a,\max}$ ,  $d_{w,\min}$  and  $m_{w,\min}$  have been specified with two decimal places;
- $d_{w,\min}$  for M5 has been changed from  $s_{\min} - IT16$  to  $s_{\min} - IT15$  in order to have a larger bearing surface area and thus less contact pressure;
- for steel nuts, quenching and tempering condition has been specified in accordance with ISO 898-2, and property class 9 has been deleted;
- stainless steel nuts have been added;
- specifications for marking and labelling have been added as [Clause 6](#).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).