



SLOVENSKI STANDARD SIST EN ISO 8673:2023

01-november-2023

Vezni elementi - Šestrobe matice (tip 1), z drobnim metrskim navojem (ISO 8673:2023)

Fasteners - Hexagon regular nuts (style 1), with fine pitch thread (ISO 8673:2023)

Mechanische Verbindungselemente - Sechskantmuttern (Typ 1), mit Feingewinde (ISO 8673:2023)

Fixations - Écrous normaux hexagonaux (style 1), à pas fin (ISO 8673:2023)

Ta slovenski standard je istoveten z: EN ISO 8673:2023

ICS:

21.040.10	Metrski navoji	Metric screw threads
21.060.20	Matice	Nuts

SIST EN ISO 8673:2023

en,fr,de

EUROPEAN STANDARD

EN ISO 8673

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2023

ICS 21.060.20

Supersedes EN ISO 8673:2012

English Version

Fasteners - Hexagon regular nuts (style 1), with fine pitch thread (ISO 8673:2023)

Fixations - Écrous normaux hexagonaux (style 1), à pas fin (ISO 8673:2023)

Mechanische Verbindungselemente - Sechskantmuttern (Typ 1), mit Feingewinde (ISO 8673:2023)

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

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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 8673:2023) 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of an identical text or by endorsement, at the latest by March 2024, and conflicting national standards shall be withdrawn at the latest by March 2024.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.

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Endorsement notice

The text of ISO 8673:2023 has been approved by CEN as EN ISO 8673:2023 without any modification.

INTERNATIONAL
STANDARD

ISO
8673

Fourth edition
2023-08

**Fasteners — Hexagon regular nuts
(style 1), with fine pitch thread**

Fixations — Écrous normaux hexagonaux (style 1), à pas fin

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ISO 8673:2023(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).

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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 8673:2012) which has been technically revised.

The main changes are as follows:

- nuts with $D > 39$ mm (with $m_{\min} < 0,8D$ not conforming to ISO 898-2 nor to ISO 3506-2) have been shifted to informative [Annex A](#); reference to ISO/TR 16224 for appropriate nut design has been added;
- M18×2 and M22×2 have been added;
- $d_{a,\max}$, $d_{w,\min}$ and $m_{w,\min}$ have been specified with two decimal places;
- for steel nuts, quenching and tempering condition has been specified in accordance with ISO 898-2;
- for stainless steel nuts, grades D4 and D6 and property class 80 have been added;
- non-ferrous metal nuts have been deleted (as a consequence of the withdrawal of ISO 8839);
- 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.