



SLOVENSKI STANDARD
oSIST prEN ISO 7040:2024
01-julij-2024

Nadomešča:
SIST EN ISO 7040:2013

Vežni elementi - Šestrobe zaščitne matice - Navadni matice (s plastičnim vložkom)
(ISO/DIS 7040:2024)

Fasteners - Prevailing torque hexagon nuts - Regular nuts (with non-metallic insert)
(ISO/DIS 7040:2024)

Verbindungselemente - Sechskantmüttern mit Klemmteil - Normalhohe Muttern (mit nichtmetallischem Einsatz) (ISO/DIS 7040:2024)

Fixations - Écrous hexagonaux autofreinés - Écrous normaux (à anneau non métallique)
(ISO/DIS 7040:2024)

Ta slovenski standard je istoveten z: prEN ISO 7040

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ICS:

21.060.20 Matice Nuts

oSIST prEN ISO 7040:2024 **en,fr,de**



DRAFT International Standard

ISO/DIS 7040

Fasteners — Prevailing torque hexagon nuts — Regular nuts (with non-metallic insert)

*Fixations — Écrous hexagonaux autofreinés — Écrous normaux
(à anneau non métallique)*

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Foreword

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

This fourth edition cancels and replaces the third edition (ISO 7040:2012) which has been technically revised.

The main changes are as follows:

- the design principles of these nuts have been clarified in scope (see Note);
- for nuts with $D < M5$, appropriate nut design in accordance with ISO/TR 16224, style 1, has been added in [Annex A](#) (historical nuts not conforming to ISO 898-2 because of their height m_{\min} less than $0,8D$ have been deleted);
- style, relevant property classes and related quenching and tempering conditions for steel nuts have been specified in [Clause 5](#) in accordance with ISO 898-2 (see [Table 3](#));
- stainless steel nuts have been added in accordance with ISO 3506-2;
- M7, M18, M22, M27, M33 and M39 have been added;
- $d_{a,\max}$ has been specified with two decimal places;
- $d_{w,\min}$ for sizes $D \leq M5$ 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;
- h_{\max} for M5 and M20 has been increased so that regular, high and thin nuts have an identical room for the prevailing torque feature ($h_{\max} - m_{\min}$) to accommodate the non-metallic insert; h_{\min} has therefore been increased in accordance with the specified tolerance (see [Tables 1](#) and [2](#));
- specifications for marking and labelling have been added as [Clause 6](#).

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