



SLOVENSKI STANDARD
oSIST prEN ISO 7041:2024
01-julij-2024

Vezni elementi - Šestrobe zaščitne matice - Visoke matice (s plastičnim vložkom)
(ISO/DIS 7041:2024)

Fasteners - Prevailing torque hexagon nuts - High nuts (with non-metallic insert)
(ISO/DIS 7041:2024)

Verbindungselemente - Sechskantmuttern mit Klemmteil - Hohe Muttern (mit nichtmetallischem Einsatz) (ISO/DIS 7041:2024)

Fixations - Écrous hexagonaux autofreinés - Écrous hauts (à anneau non métallique)
(ISO/DIS 7041:2024)

Ta slovenski standard je istoveten z: prEN ISO 7041

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ICS:

21.060.20 Matice Nuts

oSIST prEN ISO 7041:2024 **en,fr,de**



DRAFT International Standard

ISO/DIS 7041

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

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

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ISO/DIS 7041:2024(en)**Contents**

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Dimensions	2
5 Requirements and reference International Standards	3
6 Marking and labelling	4
6.1 Marking on product.....	4
6.2 Labelling on package.....	5
7 Designation	5
Bibliography	6

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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 fifth edition cancels and replaces the fourth edition (ISO 7041:2012) which has been technically revised.

The main changes are as follows:

- the title and scope have been changed in order to address the nut height: high (instead of style 2); the design principles of these nuts have been clarified in scope (see Note);
- property classes have been deleted from title and scope: 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conditions for steel nuts have been specified in [Clause 5](#) in accordance with ISO 898-2; property class 9 has been replaced by property classes 8 and 10; see [Table 3](#);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;
- $d_{a,max}$ 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;
- h_{max} for M5 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 [Table 1](#));
- specifications for marking and labelling have been added as [Clause 6](#).

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