



SLOVENSKI STANDARD
oSIST prEN ISO 10511:2024
01-julij-2024

Nadomešča:
SIST EN ISO 10511:2013

Vežni elementi - Šestrobe zaščitne matice - Nizke matice (s plastičnim vložkom)
(ISO/DIS 10511:2024)

Fasteners - Prevailing torque hexagon nuts - Thin nuts (with non-metallic insert)
(ISO/DIS 10511:2024)

Verbindungselemente - Sechskantmüttern mit Klemmteil - Niedrige Muttern (mit nichtmetallischem Einsatz) (ISO/DIS 10511:2024)

Fixations - Écrous hexagonaux autofreinés - Écrous bas (à anneau non métallique)
(ISO/DIS 10511:2024)

Ta slovenski standard je istoveten z: prEN ISO 10511

ICS:

21.060.20 Matice Nuts

oSIST prEN ISO 10511:2024 **en,fr,de**



DRAFT International Standard

ISO/DIS 10511

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

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

ICS: 21.060.20

ISO/TC 2/SC 12

Secretariat: **DIN**

Voting begins on:
2024-06-06

Voting terminates on:
2024-08-29

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This document is circulated as received from the committee secretariat.

ISO/CEN PARALLEL PROCESSING

Reference number
ISO/DIS 10511:2024(en)

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Published in Switzerland

ISO/DIS 10511:2024(en)

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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 10511:2012) which has been technically revised.

The main changes are as follows:

- the design principles of these nuts have been clarified in scope (see Note);
- the use of thin nuts and a warning in relation to lower stripping resistance have been added in scope;
- nuts with $D < M5$ (not included in ISO 898-2 and ISO 3506-2) have been dealt with in normative [Annex A](#);
- for steel nuts, quenching and tempering conditions 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;
- $d_{a,max}$ and $d_{w,min}$ 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 M20 and M36 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 2](#));
- specifications for marking and labelling have been added as [Clause 6](#).

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