#### ISO/FDIS 7042:2025(en)

ISO-/TC-2/SC-12

Secretariat:-DIN

-

Date: 2025-<mark>02-25</mark>xx

#### Fasteners — Prevailing torque hexagon nuts-\_ High nuts (all metal)

Fixations — Écrous hexagonaux autofreinés- Écrous hauts (tout métal)

## iTeh Standards

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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, 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). talog/standards/1so/403bd38b-9

This fourth edition cancels and replaces the third edition (ISO,7042;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);
- -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); 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<sub>a.max</sub> has been specified with two decimal places;

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- -dw,min for M5 has been changed from smin IT16 to smin IT15 in order to have a larger bearing surface area and thus less contact pressure;
- $-h_{\text{max}}$  for M12 has been corrected to 12,30 mm (13,30 mm in the third edition came from a typing error);  $h_{\text{max}}$  for M24 has been increased to 24,00 mm in order to have  $h_{\text{max}} \ge D$  for the whole diameter range;

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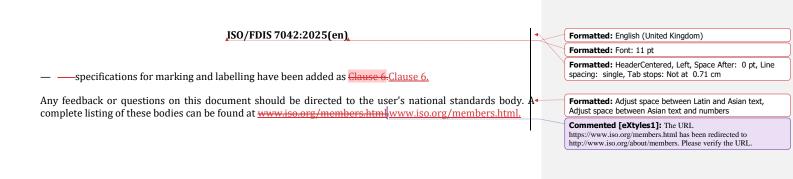
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