

STN	Letectvo a kozmonautika Samoistiace nitovacie matice s 90° rohom, redukovanej série, s valcovým zapustením, z ocele na vysoké teploty, mazané MoS₂ Trieda: 1 100 MPa (pri teplote okolia)/315 °C	STN EN 3750 31 3372
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Aerospace series - Nut, anchor, self-locking, fixed, 90° corner, reduced series, with counterbore, in heat resisting steel, MoS₂ lubricated - Classification: 1 100 MPa (at ambient temperature)/315 °C

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/26

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Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

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NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 3750:2010

English Version

**Aerospace series - Nut, anchor, self-locking, fixed, 90°
corner, reduced series, with counterbore, in heat resisting
steel, MoS₂ lubricated - Classification: 1 100 MPa (at
ambient temperature) / 315 °C**

Série aérospatiale - Écrou à river, à freinage interne,
fixe, d'angle 90°, série réduite, avec chambrage, en
acier résistant à chaud, lubrifié au MoS₂ - Classification
: 1 100 MPa (à température ambiante)/315 °C

Luft- und Raumfahrt - Anniemutter, selbstsichernd,
einseitiger verkürzter 90°-Eckflansch, mit
zylindrischer Aussenkung, aus hochwarmfestem Stahl,
MoS₂-geschmiert - Klasse: 1 100 MPa (bei
Raumtemperatur)/315 °C

This European Standard was approved by CEN on 2 February 2026.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 3750:2026 (E)

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European foreword

This document (EN 3750:2026) has been prepared by ASD-STAN.

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

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 September 2026, and conflicting national standards shall be withdrawn at the latest by September 2026.

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.

This document supersedes EN 3750:2010.

EN 3750:2026 includes the following significant technical changes with respect to EN 3750:2010:

- normative references updated;
- Clause 3 “Terms and definitions” added;
- Figure 1 corrected (hole diameter);
- Bibliography added.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 3750:2026 (E)**1 Scope**

This document specifies the characteristics of 90° corner, reduced series, counterbored fixed anchor nuts, with a self-locking feature achieved by forming the upper portion out-of-round, in heat resisting steel, MoS₂ lubricated.

Classification: 1 100 MPa¹/315 °C.²

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2398, *Aerospace series — Heat resisting steel FE-PA2601 (X6NiCrTiMoV26-15) — R_m ≥ 900 MPa — Bars for machined bolts — D ≤ 25 mm*

EN 2399, *Aerospace series — Heat resisting steel FE-PA2601 (X4NiCrTiMoV26-15) — R_m ≥ 900 MPa — Bars for forged bolts — D ≤ 25 mm*

EN 2424, *Aerospace series — Marking of aerospace products*

EN 2491, *Aerospace series — Molybdenum disulphide dry lubricants — Coating methods*

EN 2516, *Aerospace series — Passivation of corrosion resisting steels and decontamination of nickel or cobalt base alloys*

EN 3638, *Aerospace series — Heat-resisting alloy X6NiCrTiMoV26-15 (1.4980) — Consumable electrode remelted — Solution treated and precipitation treated — Sheets, strips and plates — 0,5 mm ≤ a ≤ 10 mm*

EN 3639, *Aerospace series — Heat resisting alloy X6NiCrTiMoV26-15 (1.4980) — Softened and cold worked — Wires for forged fasteners — D ≤ 15 mm — 900 MPa ≤ R_m ≤ 1 100 MPa*

ISO 5855-2, *Aerospace — MJ threads — Part 2: Limit dimensions for bolts and nuts*

ISO 5858, *Aerospace — Nuts, self-locking, with maximum operating temperature less than or equal to 425 °C — Procurement specification*

ISO 8788, *Aerospace — Nuts, metric — Tolerances of form and position*

ISO 9156, *Aerospace — Nuts, anchor, self-locking, fixed, 90° corner, reduced series, with counterbore, with MJ threads, classifications: 1 100 MPa (at ambient temperature)/235 °C, 1 100 MPa (at ambient temperature)/315 °C and 1 100 MPa (at ambient temperature)/425 °C — Dimensions*

¹ Corresponds to strength class of the associated bolt, the 100 % load of which it is able to withstand, when tested at ambient temperature, without breaking or cracking.

² Maximum temperature that the nut is able to withstand, without permanent alteration to its original characteristics, after ambient temperature has been restored. The maximum temperature is conditioned by the surface treatment.

TR 3791,³ *Aerospace series — Materials for self-locking nuts, threaded inserts and screw thread inserts of temperature classes ≤ 425 °C*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

³ Published as ASD-STAN TR, available at: <https://www.asd-stan.org>.