

STN	Letectvo a kozmonautika Šesťhranné samosvorné matice s valcovým zapustením a s krúžkom, z ocele, pokovované kadmíom, mazané MoS₂ Trieda: 1 100 MPa (pri teplote okolia)/235 °C	STN EN 2882 31 3340
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Aerospace series - Nut, hexagonal, self-locking, with counterbore and captive washer, in steel, cadmium plated, MoS₂ lubricated -
Classification: 1 100 MPa (at ambient temperature) / 235 °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. 03/24

Obsahuje: EN 2882:2023

Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

EN 2882

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 49.030.30

Supersedes EN 2882:2006

English Version

Aerospace series - Nut, hexagonal, self-locking, with counterbore and captive washer, in steel, cadmium plated, MoS₂ lubricated - Classification: 1 100 MPa (at ambient temperature) / 235 °C

Série aérospatiale - Écrou hexagonal, à freinage interne, avec chambrage et rondelle captive, en acier, cadmié, lubrifié au MoS₂ - Classification : 1 100 MPa (à température ambiante)/235 °C

Luft- und Raumfahrt - Sechskantmutter, selbstsichernd, mit Aussenkung und Bördelscheibe, aus Stahl, verkadmet, MoS₂ geschmiert - Klasse: 1 100 MPa (bei Raumtemperatur) / 235 °C

This European Standard was approved by CEN on 18 December 2022.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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 2882:2023 (E)

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European foreword

This document (EN 2882:2023) has been prepared by the Aerospace and Defence Industries Association of Europe – Standardization (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 May 2024, and conflicting national standards shall be withdrawn at the latest by May 2024.

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 2882:2006.

EN 2882:2023 includes the following significant technical changes with respect to EN 2882:2006:

- normative references updated;
- Clause 3 added;
- Subclause 4.2 „Materials“ revised;
- Clause 7 “Quality management system” added;
- document editorially revised.

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 2882:2023 (E)**1 Scope**

This document specifies the characteristics for hexagon nuts, with counterbore and captive washer, with a self-locking feature achieved by forming the upper portion out-of-round, in steel, cadmium plated, MoS₂ lubricated, classification 1 100 MPa¹/235 °C².

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 2133, *Aerospace series — Cadmium plating of steels with specified tensile strength $\leq 1\,450$ MPa, copper, copper alloys and nickel alloys*

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

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

EN 9100, *Quality Management Systems — Requirements for Aviation, Space and Defence Organizations*

EN 9133, *Aerospace series — Quality Management Systems — Qualification Procedure for Aerospace Standard Products*

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 8538, *Aerospace — Nuts, hexagonal, self-locking, with counterbore and captive washer, 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*

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

TR 3791³, *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

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- 1 Corresponds to strength class of the associated bolt, the 100 per cent 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 of its original characteristics, after ambient temperature has been restored. The maximum temperature is conditioned by the cadmium plating.
 - 3 Published as ASD-STAN Technical Report at the date of publication of this standard by AeroSpace and Defence Industries Association of Europe – Standardization (ASD-STAN) (<https://asd-stan.org/>).