

STN	Letectvo a kozmonautika Korunové šesťhranné matice, s normálnou výškou, s bežným otvorom kľúča, zo žiaruvzdornej ocele, postriebrené Trieda: 1 100 MPa (pri teplote okolia)/650 °C	STN EN 2868 31 3305
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Aerospace series - Nuts, hexagonal, slotted/castellated, normal height, normal across flats, in heat resisting steel, silver plated -
Classification: 1 100 MPa (at ambient temperature)/650 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. 08/19

Obsahuje: EN 2868:2019

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EUROPEAN STANDARD**EN 2868****NORME EUROPÉENNE****EUROPÄISCHE NORM**

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English Version

**Aerospace series - Nuts, hexagonal, slotted/castellated,
normal height, normal across flats, in heat resisting steel,
silver plated - Classification: 1 100 MPa (at ambient
temperature)/650 °C**

Série aérospatiale - Écrous hexagonaux à créneaux,
hauteur normale, surplats normaux, en acier résistant
à chaud, argentés - Classification: 1 100 MPa (à
température ambiante)/650 °C

Luft- und Raumfahrt - Flache Kronenmuttern, normale
Höhe, normale Schlüsselweite, aus hochwarmfestem
Stahl, versilbert - Klasse: 1 100 MPa (bei
Raumtemperatur)/650 °C

This European Standard was approved by CEN on 8 July 2018.

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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 2868:2019 (E)

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	Required characteristics	5
5	Designation	8
6	Marking	8
7	Technical specification	8

European foreword

This document (EN 2868:2019) 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 Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, 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 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

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.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 2868:2019 (E)**1 Scope**

This European standard specifies the characteristics of hexagonal slotted/castellated nuts, normal height, normal across flats, in heat resisting steel, silver plated, for aerospace applications.

Classification: 1 100 MPa¹/650 °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 2367, *Aerospace series — Split pins in steel* EN 2573

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

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

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

EN 2786, *Aerospace series — Electrolytic silver plating of fasteners*

EN 3639, *Aerospace series — Heat resisting alloy FE-PA2601, softened and cold worked — wire for forged fasteners $D \leq 15$ mm, 900 MPa $\leq R_m \leq 1\ 100$ MPa³*

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

ISO 4147, *Aerospace — Nuts, hexagonal, slotted (castellated), normal height, normal across flats, with MJ threads, classifications: 600 MPa (at ambient temperature)/120 °C, 600 MPa (at ambient temperature)/235 °C, 900 MPa (at ambient temperature)/425 °C, 1 100 MPa (at ambient temperature)/235 °C, 1 100 MPa (at ambient temperature)/315 °C, 1 100 MPa (at ambient temperature)/650 °C, 1 210 MPa (at ambient temperature)/730 °C, 1 250 MPa (at ambient temperature)/235 °C and 1 550 MPa (at ambient temperature)/600 °C — Dimensions*

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

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

ISO 9139, *Aerospace — Nuts, plain and slotted (castellated) — Procurement specification*

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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 to its original characteristics, after ambient temperature has been restored. The maximum temperature is conditioned by the material.
 - 3 Published as ASD-STAN Pre-Standard at the date of publication of this European standard by AeroSpace and Defence Industries Association of Europe - Standardization (ASD-STAN) (www.asd-stan.org).

TR 3823-002, *Aerospace series — Materials for plain, slotted and self-locking by plastic ring hexagonal nuts*⁴

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

4 Published as ASD-STAN Technical Report at the date of publication of this European standard by AeroSpace and Defence Industries Association of Europe - Standardization (ASD-STAN) (www.asd-stan.org).