

STN	Letectvo a kozmonautika Nízke šesťhranné matice, s bežným otvorom kľúča, zo zliatiny hliníka, anodizované Trieda: 450 MPa (pri teplote okolia)/120 °C	STN EN 2876 31 3304
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Aerospace series - Nuts, hexagon, plain, reduced height, normal across flats, in aluminium alloy, anodized - Classification: 450 MPa (at ambient temperature)/120 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 2876:2019

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EUROPEAN STANDARD

EN 2876

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

**Aerospace series - Nuts, hexagon, plain, reduced height,
normal across flats, in aluminium alloy, anodized -
Classification: 450 MPa (at ambient temperature)/120 °C**

Série aérospatiale - Écrous hexagonaux ordinaires,
hauteur réduite, surplats normaux, en alliage
d'aluminium, anodisés - Classification: 450 MPa (à
température ambiante)/120 °C

Luft- und Raumfahrt - Flache Sechskantmuttern,
normale Schlüsselweiten, aus Aluminiumlegierung,
anodisiert - Klasse: 450 MPa (bei
Raumtemperatur)/120 °C

This European Standard was approved by CEN on 15 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.

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

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

EN 2876:2019 (E)

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

European foreword

This document (EN 2876:2019) 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.

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EN 2876:2019 (E)**1 Scope**

This European standard specifies the characteristics of hexagonal plain nuts, reduced height, normal across flats, in aluminium alloy, anodized, for aerospace applications.

Classification: 450 MPa¹/120 °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 2284, *Aerospace series — Sulphuric acid anodizing of aluminium and wrought aluminium alloys*

EN 2424, *Aerospace series — Marking of aerospace products*³

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

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*

ISO 9609, *Aerospace — Nuts, hexagonal, plain, reduced height, normal across flats, with MJ threads, classifications: 450 MPa (at ambient temperature)/120 °C, 450 MPa (at ambient temperature)/235 °C, 600 MPa (at ambient temperature)/425 °C, 900 MPa (at ambient temperature)/235 °C, 900 MPa (at ambient temperature)/315 °C, 900 MPa (at ambient temperature)/650 °C, 1 100 MPa (at ambient temperature)/235 °C, 1 100 MPa (at ambient temperature)/730 °C and 1 250 MPa (at ambient temperature)/600 °C — Dimensions*

TR 3823-002, *Aerospace series — Materials for plain, slotted and self-locking by plastic ring hexagonal nuts*³

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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- 1 Corresponds to the minimum tensile stress which the nut is able to withstand at ambient temperature without breaking or cracking when tested with a bolt of a higher strength class.
 - 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 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).