

<b>STN</b>	<b>Letectvo a kozmonautika</b> <b>Pohyblivé samoistiace tesniace nitovacie matice</b> <b>odolné proti vzduchu s obojstrannou prírubou, s</b> <b>valcovým zapustením, z legovanej ocele,</b> <b>pokovované kadmíom, mazané MoS<sub>2</sub></b> <b>Trieda: 900 MPa (pri teplote okolia)/235 °C</b>	<b>STN</b> <b>EN 2878+AC</b>  31 3289
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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. 09/19

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Oznámením tejto normy sa ruší  
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EUROPEAN STANDARD

**EN 2878:2018+AC**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 2878:2018

English Version

**Aerospace series - Nuts, anchor, self-locking, air resistant,  
sealing, floating, two lug, with counterbore, in alloy steel,  
cadmium plated, MoS2 lubricated - Classification: 900 MPa  
(at ambient temperature)/235 °C**

Série aérospatiale - Écrous à river, à freinage interne,  
étanches à l'air, flottants, double patte, avec  
chambrage, en acier allié, cadmiés, lubrifiés MoS2 -  
Classification: 900 MPa (à température ambiante)/235  
°C

Luft- und Raumfahrt - Anniemuttern, selbstsichernd,  
druckdicht, luftbeständig, beweglich, beiderseitiger  
Flansch, mit zylindrischer Aussenkung, aus legiertem  
Stahl, verkadmet, MoS2-geschmiert - Klasse: 900 MPa  
(bei Raumtemperatur)/235 °C

This European Standard was approved by CEN on 11 June 2018 and includes the Corrigendum issued by CEN on 10 April 2019.

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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 2878:2018+AC:2019 (E)**

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## European foreword

This document (EN 2878:2018+AC: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 October 2019, and conflicting national standards shall be withdrawn at the latest by October 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.

This document includes Corrigendum 1 issued by CEN on 10 April 2019.

This document supersedes AC EN 2878:2018 AC.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags AC AC.

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 2878:2018+AC:2019 (E)****1 Scope**

This European standard specifies the characteristics of self-locking, air resistant, sealing, floating, two lug anchor nuts, with counterbore, in alloy steel, cadmium plated, MoS<sub>2</sub> lubricated.

Classification: 900 MPa<sup>1</sup>/235 °C<sup>2</sup>.

**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 maximum specified tensile strength equal to or less than 1 450 MPa, copper, copper alloys and nickel alloys*<sup>3</sup>

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

ISO 8940, *Aerospace — Nuts, anchor, self-locking, sealing, floating, two lug, with counterbore, with MJ threads, classifications 900 MPa (at ambient temperature)/120 °C, 900 MPa (at ambient temperature)/175 °C and 900 MPa (at ambient temperature)/235 °C — Dimensions*

AMS 3304G, *Silicone Rubber, General Purpose, 70 Durometer*<sup>4</sup>

TR 3791, *Aerospace series — Materials for self-locking nuts, threaded inserts and screw thread inserts of temperature classes ≤ 425 °C*<sup>5</sup>

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> Published as ASD-STAN Standard at the date of publication of this European standard ([www.asd-stan.org](http://www.asd-stan.org)).

<sup>4</sup> Published by: Society of Automotive Engineers, Inc. (SAE), 400 Commonwealth Drive, Warrendale, PA 15096-0001, USA.

<sup>5</sup> Published as ASD-STAN Technical Report at the date of publication of this standard ([www.asd-stan.org](http://www.asd-stan.org)).