ICS 49.030.30 SLOVENSKÁ TECHNICKÁ NORMA Máj 2019

STN	**Letectvo a kozmonautika Samopoistné dvanásťhranné matice s valcovým zapustením, zo zliatiny niklu odolávajúcej vysokým teplotám, pasivované, mazané MoS2 Trieda: 1 550 MPa (pri teplote okolia)/315 °C**	**STN EN 2894** 31 3259

Aerospace series - Nuts, bihexagonal, self-locking, with counterbore, in heat resisting nickel base alloy, passivated, MoS2 lubricated - Classification: 1 550 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. 04/19

Obsahuje: EN 2894:2018

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 2894

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English Version

Aerospace series - Nuts, bihexagonal, self-locking, with counterbore, in heat resisting nickel base alloy, passivated, MoS2 lubricated - Classification: 1 550 MPa (at ambient temperature) / 315 °C

Série aérospatiale - Écrous bihexagonaux, à freinage interne, avec chambrage, en alliage résistant à chaud à base de nickel, passivés lubrifiés MoS2 - Classification: 1 550 MPa (à température ambiante) / 315 °C

Luft- und Raumfaht - Zwölfkantmuttern, selbstsichernd, mit zylindrischer Aussenkung, aus hochwarmfester Nickelbasislegierung, passiviert, MoS2-geschmiert - Klasse: 1 550 MPa (bei Raumtemperatur) / 315 °C

This European Standard was approved by CEN on 13 May 2018.

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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

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

Ref. No. EN 2894:2018 E

Contents

European foreword

This document (EN 2894:2018) 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 April 2019, and conflicting national standards shall be withdrawn at the latest by April 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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1 Scope

This European standard specifies the characteristics of self-locking bihexagonal nuts, with counterbore, in heat resisting nickel base alloy, passivated, MoS_2 lubricated.

Classification: 1 550 MPa[1] / 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 2424, *Aerospace series — Marking of aerospace products*

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

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

EN 2952, *Aerospace series — Heat resisting alloy NI-PH2601 — Solution treated and cold worked; bar for forged fasteners D ≤ 50 mm, 1 270 MPa ≤ R_m ≤ 1 550 MPa*[3]

ISO 4095, *Aerospace — Bihexagonal drives — Wrenching configuration — Metric series*[4]

ISO 5855-2, *Aerospace — MJ threads — Part 2: Limit dimensions for bolts and nuts*[4]

ISO 5858, *Aerospace — Nuts, self-locking, with maximum operating temperature less than or equal to 425 °C — Procurement specification*[4]

ISO 8788, *Aerospace — Nuts, metric — Tolerances of form and position*[4]

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 surface treatment.

3) Published as ASD-STAN Prestandard at the date of publication of this standard (http://www.asd-stan.org/).

4) Published by: ISO International International Standardisation Organisation (http://www.iso.ch/).