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**Aeronavtika - Sornik, normalna šestroba glava, široka toleranca, kratek navoj, iz toplotnoodporne zlitine na nikeljevi osnovi, prevlečeni z aluminijem IVD - Klasifikacija: 1250 MPa (pri temperaturi okolice) / 425 °C**

Aerospace series - Bolt, normal hexagonal head, coarse tolerance shank, short thread, in heat resisting nickel base alloy, aluminium IVD coated - Classification: 1 250 MPa (at ambient temperature)/425 °C

Luft- und Raumfahrt - Sechskantschrauben, kurzes Gewinde, aus hochwarmfester Nickelbasislegierung, Aluminium-IVD-beschichtet - Klasse: 1 250 MPa (bei Raumtemperatur) / 425 °C

Série aérospatiale - Vis à tête hexagonale normale, fût à tolérance large, filetage court, en alliage résistant à chaud à base de nickel, revêtues aluminium IVD - Classification: 1 250 MPa (à température ambiante) / 425 °C

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**Ta slovenski standard je istoveten z: prEN 4128**

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**ICS:**

49.025.20	Aluminij	Aluminium
49.030.20	Sorniki, vijaki, stebelni vijaki	Bolts, screws, studs

**oSIST prEN 4128:2024**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 4128**

December 2023

ICS 49.030.20

Will supersede EN 4128:2016

English Version

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This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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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**

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## European foreword

This document (prEN 4128:2023) 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 document is currently submitted to the CEN Enquiry.

This document will supersede EN 4128:2016.

prEN 4128:2023 includes the following significant technical changes with respect to EN 4128:2016:

- normative references updated;
- Clause 3 “Terms and definitions” added;
- Figure 1 updated;
- 7.2 and 7.3 revised;
- Bibliography updated;
- 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.

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**prEN 4128:2023 (E)****1 Scope**

This document specifies the characteristics of bolts, normal hexagonal head, coarse tolerance shank, short thread, in heat resisting nickel base alloy, aluminium IVD coated.

Classification: 1 250 MPa<sup>1</sup>/425 °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 2424, *Aerospace series — Marking of aerospace products*

prEN 6118, *Aerospace series — Process specification — Aluminium base protection for fasteners*<sup>3</sup>

ISO 3193, *Aerospace — Bolts, normal hexagonal head, normal shank, short or medium length MJ threads, metallic material, coated or uncoated, strength classes less than or equal to 1 100 MPa — Dimensions*

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

ISO 9154, *Aerospace — Bolts, with MJ threads, made of heat-resistant nickel-based alloy, strength class 1 550 MPa — Procurement specification*

TR 3775, *Bolts and pins — Materials*<sup>4</sup>

**3 Terms and definitions**

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <https://www.electropedia.org/>

**4 Required characteristics****4.1 Configuration – Dimensions – Masses**

Configuration, dimensions and masses shall be according to Figure 1, Table 1 and Table 2.

Dimensions and tolerances shall be in conformity with ISO 3193, expressed in millimetres and apply after surface treatment but before lubrication.

Details of form not stated are left to the manufacturer's discretion.

<sup>1</sup> Minimum tensile strength of the material at ambient temperature.

<sup>2</sup> Maximum temperature that the bolt can withstand without continuous change in its original characteristics, after return to ambient temperature. The maximum temperature is determined by the surface treatment.

<sup>3</sup> Published as ASD-STAN Standard at the date of publication of this document by AeroSpace and Defence Industries Association of Europe — Standardization (ASD-STAN) (<https://asd-stan.org/>).

<sup>4</sup> 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://www.asd-stan.org/>).