

<b>STN</b>	<b>Letectvo a kozmonautika Skrutky so šesťhrannou hlavou, neopracovaným driekom, krátkym závitom, zo zliatiny niklu odolávajúcej vysokým teplotám, s hliníkovým IVD povlakom Trieda: 1 250 MPa (pri teplote okolia)/425 °C</b>	<b>STN EN 4128</b>  31 3120
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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

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. 04/26

Obsahuje: EN 4128:2026

Oznámením tejto normy sa ruší  
STN EN 4128 (31 3120) z novembra 2016

**142467**



EUROPEAN STANDARD

EN 4128

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2026

ICS 49.030.20

Supersedes EN 4128:2016

English Version

**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**

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

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

This European Standard was approved by CEN on 25 May 2025.

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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



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 4128:2026 (E)**

<b>Contents</b>		Page
<b>European foreword</b> .....		<b>3</b>
<b>1</b>	<b>Scope</b> .....	<b>4</b>
<b>2</b>	<b>Normative references</b> .....	<b>4</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>4</b>
<b>4</b>	<b>Required characteristics</b> .....	<b>5</b>
<b>4.1</b>	<b>Configuration – Dimensions – Masses</b> .....	<b>5</b>
<b>4.2</b>	<b>Materials</b> .....	<b>5</b>
<b>4.3</b>	<b>Surface treatment</b> .....	<b>5</b>
<b>5</b>	<b>Designation</b> .....	<b>7</b>
<b>6</b>	<b>Marking</b> .....	<b>7</b>
<b>7</b>	<b>Technical specification</b> .....	<b>7</b>
<b>7.1</b>	<b>General</b> .....	<b>7</b>
<b>7.2</b>	<b>Approval of manufacturers</b> .....	<b>7</b>
<b>7.3</b>	<b>Qualification of bolts</b> .....	<b>8</b>
<b>Bibliography</b> .....		<b>9</b>

## European foreword

This document (EN 4128:2026) has been prepared by 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 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 August 2026, and conflicting national standards shall be withdrawn at the latest by August 2026.

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 supersedes EN 4128:2016.

This document includes the following significant technical changes with respect to EN 4128:2016:

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

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.

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

**EN 4128:2026 (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*

EN 6117,<sup>3</sup> *Aerospace series — Specification for lubrication of fasteners with cetyl alcohol*

EN 6118,<sup>3</sup> *Aerospace series — Pure aluminium IVD coating for fasteners*

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 3353-1, *Aerospace — Lead and runout threads — Part 1: Rolled external threads*

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,<sup>4</sup> *Aerospace series — Bolts and pins — Materials*

SAE AMS5662,<sup>5</sup> *Nickel Alloy, Corrosion- and Heat-Resistant, Bars, Forgings, Rings, and Stock for Forgings and Rings 52.5Ni – 19Cr – 3.0Mo – 5.1Cb (Nb) – 0.90Ti – 0.50Al – 18Fe Consumable Electrode or Vacuum Induction Melted 1 775 °F (968 °C) Solution Heat Treated, Precipitation-Hardenable*

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

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<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 prEN at the date of publication of this document, available at: <https://www.asd-stan.org/>.

<sup>4</sup> Published as ASD-STAN TR, available at: <https://www.asd-stan.org/>.

<sup>5</sup> Published by Society of Automotive Engineers (SAE), available at: <https://www.sae.org/>.