
Aeronavtika - Vijaki, valjasta glava, križna zareza, z navojem do glave, iz korozijsko odpornega jekla, pasivirani, metrični - Klasifikacija: 490 MPa (pri temperaturi okolice) / 425 °C

Aerospace series - Screws, pan head, offset cruciform recess, threaded to head, in corrosion resisting steel, passivated, metric - Classification: 490 MPa (at ambient temperature) / 425 °C

Luft- und Raumfahrt - Flachkopfschraube, mit Flügelkreuzschlitz, Gewinde annähernd bis Kopf, aus korrosionsbeständigem Stahl, passiviert, metrisch - Klasse: 490 MPa (bei Umgebungstemperatur)/425 °C

Série aérospatiale - Vis à tête cylindrique, à empreinte cruciforme déportée, filetée jusqu'à proximité de la tête, en acier résistant à la corrosion, passivée, série métrique - Classification : 490 MPa (à température ambiante)/425 °C

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Ta slovenski standard je istoveten z: prEN 4075

ICS:

49.025.10	Jekla	Steels
49.030.20	Sorniki, vijaki, stebelni vijaki	Bolts, screws, studs

oSIST prEN 4075:2024

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 4075

January 2024

ICS 49.030.20

Will supersede EN 4075:2008

English Version

**Aerospace series - Screws, pan head, offset cruciform
recess, threaded to head, in corrosion resisting steel,
passivated, metric - Classification: 490 MPa (at ambient
temperature) / 425 °C**

Série aérospatiale - Vis à tête cylindrique, à empreinte cruciforme déportée, filetée jusqu'à proximité de la tête, en acier résistant à la corrosion, passivée, série métrique - Classification : 490 MPa (à température ambiante)/425 °C

Luft- und Raumfahrt - Flachkopfschraube, mit Flügelkreuzschlitz, Gewinde annähernd bis Kopf, aus korrosionsbeständigem Stahl, passiviert, metrisch - Klasse: 490 MPa (bei Umgebungstemperatur)/425 °C

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 4075:2024) 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 4075:2008.

prEN 4075:2024 includes the following significant technical changes with respect to EN 4075:2008:

- normative references updated;
- Clause 3 „Terms and definitions“ added;
- Figure 1 updated;
- Table 2 has been updated with new drive code references;
- 7.3 “Approval of manufacturers” 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.

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prEN 4075:2024 (E)**1 Scope**

This document specifies the characteristics of screws, pan head, offset cruciform recess, threaded to head, in corrosion resisting steel, passivated, metric.

Classification: 490 MPa¹/425 °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 2424, *Aerospace series — Marking of aerospace products*

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

ISO 3202, *Aerospace — Screws, pan head, internal offset cruciform ribbed or unribbed drive, threaded to head, 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 7913, *Aerospace — Bolts and screws, metric — Tolerances of form and position*

ISO 8168, *Aerospace — Bolts, with MJ threads, made of heat and corrosion resisting steel, strength class 1 100 MPa — Procurement specification*

ISO 14275, *Aerospace — Drives, internal, offset cruciform, ribbed — Metric series*

ISO 14276, *Aerospace — Drives, internal, offset cruciform — Metric series*

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TR 3775, *Bolts and pins — Materials*³

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology 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/>

¹ Minimum tensile strength of the material at ambient temperature.

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

³ Published as ASD Technical Report at the date of publication of this standard by AeroSpace and Defence Industries Association of Europe – Standardization (ASD-STAN) (www.asd-stan.org).