
Aeronavtika - Vijaki, z valjasto glavo, križno zarezo, široko toleranco, s kratkim navojem, iz titanove zlitine, anodizirani, mazani z MoS2 - Klasifikacija: 1100 MPa (pri temperaturi okolice)/315 °C

Aerospace series - Screws, pan head, offset cruciform recess, coarse tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature)/315 °C

Luft- und Raumfahrt - Flachkopfschrauben mit Flügelkreuzschlitz, kurzes Gewinde, aus Titanlegierung, anodisiert, MoS2 geschmiert - Klasse: 1 100 MPa (bei Raumtemperatur)/315 °C

Série aérospatiale - Vis à tête cylindrique, à empreinte cruciforme déportée, tige normale à tolérance large, filetage court, en alliage de titane, anodisées, lubrifiées MoS2 - Classification : 1 100 MPa (à température ambiante)/315 °C

<https://standards.iteh.ai/catalog/standards/sist/3193feca-e122-4c7a-82c1-b852f3c496cc/sist-en-2884-2024>

Ta slovenski standard je istoveten z: EN 2884:2024

ICS:

49.025.30	Titan	Titanium
49.030.20	Sorniki, vijaki, stebelni vijaki	Bolts, screws, studs

SIST EN 2884:2024**en,fr,de**

EUROPEAN STANDARD

EN 2884

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2024

ICS 49.030.20

Supersedes EN 2884:1996

English Version

**Aerospace series - Screws, pan head, offset cruciform
recess, coarse tolerance normal shank, short thread, in
titanium alloy, anodized, MoS2 lubricated - Classification:
1 100 MPa (at ambient temperature)/315 °C**

Série aérospatiale - Vis à tête cylindrique, à empreinte cruciforme déportée, tige normale à tolérance large, filetage court, en alliage de titane, anodisées, lubrifiées au MoS2 - Classification : 1 100 MPa (à température ambiante)/315 °C

Luft- und Raumfahrt - Flachkopfschrauben mit Flügelkreuzschlitz, kurzes Gewinde, aus Titanlegierung, anodisiert, MoS2 geschmiert - Klasse: 1 100 MPa (bei Raumtemperatur)/315 °C

This European Standard was approved by CEN on 26 May 2024.

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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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European foreword

This document (EN 2884:2024) 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 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 January 2025, and conflicting national standards shall be withdrawn at the latest by January 2025.

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 2884:1996.

This document includes the following significant technical changes with respect to EN 2884:1996:

- normative references updated;
- Clause 3 “terms and definitions” added;
- in Table 3, “Drive” was changed according to ISO 14275 and ISO 14276;
- 7.2 “Approval of manufacturers” and 7.3 “Qualification of screws” updated as per EN 9100 and EN 9133.

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.

EN 2884:2024 (E)

1 Scope

This document specifies the characteristics of screws, pan head, offset cruciform recess, coarse tolerance normal shank, short thread, in titanium alloy, anodized, MoS₂ lubricated.

Classification: 1 100 MPa¹/315 °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 2491, *Aerospace series — Molybdenum disulphide dry lubricants — Coating methods*

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 8080, *Aerospace — Anodic treatment of titanium and titanium alloys — Sulfuric acid process*

ISO 9152, *Aerospace — Bolts, with MJ threads, in titanium alloys, 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*

TR 3775,³ *Bolts and pins — Materials*

TR 4070,³ *Molybdenum disulphide coatings — List of commercial products*

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