

STN	Letectvo a kozmonautika Skrutky so 100° zapustenou hlavou, s krížovou drážkou, s tesným driekom, s krátkym závitom, zo zliatiny titánu, anodizované, mazané MoS₂ Trieda: 1 100 MPa (pri teplote okolia)/315 °C	STN EN 3381 31 3262
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Aerospace series - Screws, 100° countersunk normal head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS₂ lubricated - Classification: 1 100 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. 01/26

Obsahuje: EN 3381:2025

Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

EN 3381

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2025

ICS 49.030.20

Supersedes EN 3381:1996

English Version

**Aerospace series - Screws, 100° countersunk normal head,
offset cruciform recess, close 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 fraisée 100° normale, à
empreinte cruciforme déportée, tige normale à
tolérance serrée, filetage court, en alliage de titane,
anodisées, lubrifiées au MoS2 - Classification : 1 100
MPa (à température ambiante)/315 °C

Luft- und Raumfahrt - 100°-Senk-Passschraube 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 25 August 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.

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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

EN 3381:2025 (E)

Contents		Page
European foreword		3
1	Scope.....	4
2	Normative references.....	4
3	Terms and definitions.....	5
4	Required characteristics.....	5
4.1	Configuration – Dimensions – Masses	5
4.2	Tolerances of form and position	5
4.3	Materials	5
4.4	Surface treatment.....	5
5	Designation	8
6	Marking	8
7	Technical specification	9
7.1	General.....	9
7.2	Quality management system	9
7.3	Qualification of screws.....	9
8	Oversized bolts	9
Bibliography		10

European foreword

This document (EN 3381:2025) 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 April 2026, and conflicting national standards shall be withdrawn at the latest by April 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 3381:1996.

This document includes the following significant technical changes with respect to EN 3381:1996:

- editorially updated;
- Clause 3 “Terms and definitions” added;
- SAE AMS4967 added;
- Table 3 “Drive Codes” updated;
- 7.2 “Quality management system” updated;
- 7.3 “Qualification of screws” 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 3381:2025 (E)**1 Scope**

This document specifies the characteristics of screws, 100° countersunk normal head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS₂ lubricated.

Classification: 1 100 MPa¹/315 °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 4016,³ *Aerospace series — Oversized bolts*

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 5856, *Aerospace — Screws, 100 degrees normal countersunk head, internal offset cruciform ribbed or unribbed drive, 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 7913, *Aerospace — Bolts and screws, metric — Tolerances of form and position*

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 4070,⁴ *Aerospace series — Molybdenum disulphide coatings — List of commercial products*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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

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