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**Aeronavtika - Vijak, 100° ugrezna glava, križna zareza, ozka toleranca, kratek navoj, iz titanove zlitine, anodizirani, mazan z MoS2 - Klasifikacija: 1100 MPa (pri temperaturi okolice)/315 °C - Palčne mere**

Aerospace series - Screw, 100° countersunk reduced head, offset cruciform recess, close tolerance shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature)/315 °C - Inch series

Luft- und Raumfahrt - 100° Senk-Passschraube mit reduziertem Kopf, Flügelkreuzschlitz, enge Toleranz, kurzes Gewinde, aus Titanlegierung, anodisiert, MoS2-geschmiert - Klasse: 1 100 MPa (bei Raumtemperatur)/315 °C - Zoll-Reihe

Série aérospatiale - Vis à tête fraisée 100° réduite, à empreinte cruciforme déportée, tige à tolérance serrée, filetage court, en alliage de titane, anodisée, lubrifiée au MoS2 - Classification : 1 100 MPa (à température ambiante)/315 °C - Série en inches

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**ICS:**

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

**SIST EN 6024:2024**

**en,fr,de**



EUROPEAN STANDARD

EN 6024

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2024

ICS 49.030.20

English Version

Aerospace series - Screw, 100° countersunk reduced head,  
offset cruciform recess, close tolerance shank, short  
thread, in titanium alloy, anodized, MoS2 lubricated -  
Classification: 1 100 MPa (at ambient temperature)/315  
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Luft- und Raumfahrt - 100° Senk-Passschraube mit  
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kurzes Gewinde, aus Titanlegierung, anodisiert, MoS2-  
geschmiert - Klasse: 1 100 MPa (bei  
Raumtemperatur)/315 °C - Zoll-Reihe

This European Standard was approved by CEN on 8 April 2024.

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<b>Contents</b>	<b>Page</b>
European foreword .....	3
<b>1</b> Scope.....	<b>4</b>
<b>2</b> Normative references.....	<b>4</b>
<b>3</b> Terms and definitions.....	<b>4</b>
<b>4</b> Requirements.....	<b>5</b>
<b>4.1</b> Configuration — Dimensions — Mass .....	<b>5</b>
<b>4.2</b> Material .....	<b>8</b>
<b>4.3</b> Surface treatment.....	<b>9</b>
<b>5</b> Designation .....	<b>9</b>
<b>6</b> Marking .....	<b>9</b>
<b>7</b> Technical specification .....	<b>9</b>
<b>8</b> Quality management system.....	<b>10</b>
<b>Bibliography</b> .....	<b>11</b>

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## European foreword

This document (EN 6024:2024) 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 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.

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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**EN 6024:2024 (E)****1 Scope**

This document specifies the characteristics for screws, 100° countersunk reduced head, offset cruciform recess, close tolerance shank, short thread, in titanium alloy, anodized, MoS<sub>2</sub> lubricated, classification 1 100 MPa<sup>1</sup>/315 °C<sup>2</sup>, inch series, for aerospace applications.

**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 2532:1996-12,<sup>3</sup> *Titanium alloy Ti-P68 — 1 100 ≤ R<sub>m</sub> ≤ 1 280 MPa — Bar — De ≤ 25 mm*

ISO 3161, *Aerospace — UNJ threads — General requirements and limit dimensions*

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

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

MIL-B-87114,<sup>5</sup> *Bolts, Recess Drive, General Specification for (S/S by NAS4002 and NAS4003)*

NAS527,<sup>6</sup> *Inspection procedure for flush fasteners*

NAS621,<sup>6</sup> *Fasteners, titanium alloy procurement specification*

NASM 33781,<sup>6</sup> *Recess, offset cruciform, dimensions of recess, gage and driver for*

ATA iSpec 2200,<sup>7</sup> *Information Standards for Aviation Maintenance*

**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/>

<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 material.

<sup>3</sup> Published as ASD-STAN Standard at the date of publication of this standard.

<sup>4</sup> Published as ASD-STAN Technical Report at the date of publication of this standard.

<sup>5</sup> Published by Department of Defense (DoD), available at: <https://assist.dla.mil/>

<sup>6</sup> Published by Aerospace Industries Association (AIA), available at: <https://www.aia-aerospace.org/>

<sup>7</sup> Published by Air Transport Association of America, Inc. (ATA), available at: <https://publications.airlines.org/>