

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 2939

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Supersedes EN 2939:1994

English Version

**Aerospace series - Screw, 100° countersunk head, offset
cruciform recess, threaded to head, in heat resisting steel
FE-PA92HT (A286) - Classification: 900 MPa (at ambient
temperature)/650 °C**

Série aérospatiale - Vis à tête fraisée 100°, empreinte
cruciforme déportée, filetée jusqu'à proximité de la
tête, en acier résistant à chaud FE-PA92HT (A286) -
Classification : 900 MPa (à température ambiante)/650
°C

Luft- und Raumfahrt - 100° Senkschraube,
Flügelkreuzschlitz, Gewinde bis Kopf, aus
hochwarmfestem Stahl FE-PA92HT (A286) - Klasse:
900 MPa (bei Raumtemperatur)/650 °C

This European Standard was approved by CEN on 29 January 2024.

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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 2939:2024) 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of an identical text or by endorsement, at the latest by September 2024, and conflicting national standards shall be withdrawn at the latest by September 2024.

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 2939:1994.

EN 2939:2024 includes the following significant technical changes with respect to EN 2939:1994:

- normative references updated;
- Clause 3 “Terms and definitions” added;
- Clause 5 “Designation” introduction of drive code;
- document editorially revised.

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 2939:2024 (E)**1 Scope**

This document specifies the characteristics of screws with 100° countersunk head, offset cruciform recess, threaded to head, in FE-PA92HT, for aerospace applications.

Classification: 900 MPa¹/650 °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 2398, *Aerospace series — Heat resisting steel FE-PA2601 (X6NiCrTiMoV26-15) — $R_m \geq 900$ MPa — Bars for machined bolts — $D \leq 25$ mm*

EN 2399, *Aerospace series — Heat resisting steel FE-PA2601 (X4NiCrTiMoV26-15) — $R_m \geq 900$ MPa — Bars for forged bolts — $D \leq 25$ mm*

EN 2424, *Aerospace series — Marking of aerospace products*

EN 3043, *Aerospace series — Fasteners, externally threaded, in heat resisting steel FE PA92HT (A286) — Classification: 900 MPa/650 °C, manufacturing method optional — Technical specification*

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

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

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹ Minimum tensile strength of the material at ambient temperature.

² Maximum test temperature of the parts.