

Aerospace series - Screws, 100° countersunk head, six lobe recess, short thread, in titanium alloy TI-P64001, with aluminium pigmented coating - Classification: 1 100 MPa (at ambient temperature) / 315 °C

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 4636:2009 sisaldab Euroopa standardi EN 4636:2009 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 30.11.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 03.06.2009.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 4636:2009 consists of the English text of the European standard EN 4636:2009.

This standard is ratified with the order of Estonian Centre for Standardisation dated 30.11.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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The standard is available from Estonian standardisation organisation.

ICS 49.030.10

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English Version

Aerospace series - Screws, 100° countersunk head, six lobe recess, short thread, in titanium alloy TI-P64001, with aluminium pigmented coating - Classification: 1 100 MPa (at ambient temperature) / 315 °C

Série aérospatiale - Vis, 100° à tête fraisée, à filetage court, à empreinte six lobes, en alliage de titane TI-P64001, avec revêtement aluminé - Classification: 1 100 MPa (à température ambiante) / 315 °C

Luft- und Raumfahrt - 100° Senkschrauben, kurzes Gewinde, Sechsbogenzahn, aus Titanlegierung TI-P64001, mit aluminium pigmentierter Beschichtung - Klasse: 1 100 MPa (bei Raumtemperatur) / 315 °C

This European Standard was approved by CEN on 20 March 2009.

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Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Required characteristics	4
3.1 Configuration – Dimensions – Tolerances – Masses.....	4
3.2 Materials	4
3.3 Surface treatment	5
3.4 Tolerances of form and position	5
4 Designation	6
5 Marking	7
6 Technical specification	7
6.1 General.....	7
6.2 Approval of manufacturers	7
6.3 Qualification of bolts	7
6.4 Requirement deleted	7

Foreword

This document (EN 4636:2009) 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 Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, 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 December 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

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1 Scope

This standard specifies the characteristics of screws with 100° countersunk head, with six lobe recess, short thread, in titanium alloy TI-P64001, aluminium pigmented coating, for aerospace applications.

2 Normative references

The following referenced documents are indispensable for the application 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.

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 9152, *Aerospace — Bolts, with MJ threads, in titanium alloys, strength class 1 100 MPa — Procurement specification.*

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

EN 3813, *Aerospace series — Titanium alloy TI-P64001 — Annealed — Bar and wire for forged fasteners — $D_e \leq 25$ mm.*¹⁾

EN 3911, *Aerospace series — Six lobe recess — Geometrical definition.*¹⁾

EN 4473, *Aerospace series — Aluminium pigmented coatings — Technical specification.*¹⁾

EN 9100, *Aerospace series — Quality management systems — Requirements (based on ISO 9001:2000) and Quality systems — Model for quality assurance in design, development, production, installation and servicing (based on ISO 9001:1994).*

EN 9133, *Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts.*

3 Required characteristics

3.1 Configuration – Dimensions – Tolerances – Masses

See Figure 1 and Table 1.

Dimensions and tolerances are in millimetres and apply after surface treatment.

3.2 Materials

EN 3813

1) Published as ASD Prestandard at the date of publication of this standard.