

**Aerospace series - Nuts, bihexagonal, self-locking, in heat resisting nickel base alloy Ti-P100HT (Inconel 718), silver plated -
Classification: 1 550 MPa (at ambient temperature) /600 °C**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 4011:2003 sisaldab Euroopa standardi EN 4011:2003 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 15.04.2003 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 4011:2003 consists of the English text of the European standard EN 4011:2003.

This standard is ratified with the order of Estonian Centre for Standardisation dated 15.04.2003 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English version

Aerospace series - Nuts, bihexagonal, self-locking, in heat
resisting nickel base alloy TI-P100HT (Inconel 718), silver plated
- Classification: 1 550 MPa (at ambient temperature) /600°C

This European Standard was approved by CEN on 19 August 2002.

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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 Management Centre has the same status as the official versions.

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Foreword

This document EN 4011:2003 has been prepared by the European Association of Aerospace Manufacturers (AECMA).

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 AECMA, 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of an identical text or by endorsement, at the latest by August 2003, and conflicting national standards shall be withdrawn at the latest by August 2003.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard : Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This standard specifies the characteristics of self-locking bihexagonal nuts in TI-P100HT, silver plated, for aerospace applications.

Classification : 1 550 MPa ¹⁾/600 °C ²⁾

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

ISO 4095, *Aerospace – Bihexagonal drives – Wrenching configuration – Metric series.*

ISO 5855-2, *Aerospace - MJ threads - Part 2: Limit dimensions for bolts and nuts.*

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

EN 2786, *Aerospace series - Electrolytic silver plating of fasteners ³⁾.*

EN 2952, *Aerospace series - Heat resisting nickel base alloy (NI-P100HT) - Solution treated and cold worked -Bar for hot upset forging for fasteners - $3 \leq D \leq 30$ mm ⁴⁾.*

¹⁾ The strength class of the bolt concerned which can withstand the load at ambient temperature when tested at 100 % load without cracking or breaking of the nut.

²⁾ Maximum test temperature of the parts.

³⁾ In preparation at the date of publication of this standard.

⁴⁾ Published as AECMA Prestandard at the date of publication of this standard.