

Aerospace series - Bolts, double hexagon head, close tolerance, medium thread length, in heat resisting nickel base alloy NI-P100HT (Inconel 718), uncoated - Classification: 1 275 MPa/650 °C

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 3327:2008 sisaldab Euroopa standardi EN 3327:2008 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 21.07.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 18.06.2008.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 3327:2008 consists of the English text of the European standard EN 3327:2008.

This standard is ratified with the order of Estonian Centre for Standardisation dated 21.07.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 18.06.2008.

The standard is available from Estonian standardisation organisation.

ICS 49.030.20

Võtmesõnad:

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Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
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ICS 49.030.20

English Version

Aerospace series - Bolts, double hexagon head, close tolerance,
medium thread length, in heat resisting nickel base alloy NI-
P100HT (Inconel 718), uncoated - Classification: 1 275 MPa/650
°C

Série aérospatiale - Vis de précision à tête bihexagonale à
filetage moyen en alliage résistant à chaud à base de
nickel NI-P100HT (Inconel 718), non revêtu - Classification:
1 275 MPa/650 °C

Luft- und Raumfahrt - Zwölftkant-Passschrauben, mittlere
Gewindelänge, aus hochwarmfester Nickelbasislegierung
NI-P100HT (Inconel 718), blank - Klasse: 1 275 MPa/650
°C

This European Standard was approved by CEN on 3 November 2007.

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 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 Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 3327:2008) 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 2008, and conflicting national standards shall be withdrawn at the latest by December 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies the dimensions of uncoated double hexagon head bolts, close tolerance, with MJ-thread, medium thread length, in heat resisting nickel base alloy NI-PH2601 for aerospace applications.

Maximum test temperature of the parts is 650 °C.

These bolts are to be used in aerospace fastening systems mainly stressed in shearing force.

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.

EN 2424:2008, *Aerospace series — Marking of aerospace products*

EN 2583, *Aerospace series — Bolts, MJ threads, in heat resisting nickel base alloy NI-PH2601 (Inconel 718) — Classification: 1 275 MPa (at ambient temperature)/650 °C — Technical specification*

EN 2952, *Aerospace series — Heat resisting alloy NI-PH2601 — Solution treated and cold worked — Bar for forged fasteners $D \leq 50$ mm, $1\,270\text{ MPa} \leq R_m \leq 1550\text{ MPa}$ ¹*

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

ISO 4095, *Aerospace — Bihexagonal drives — Wrenching configuration — Metric series*

ISO 5855-1, *Aerospace — MJ threads — Part 1: General requirements*

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

3 Required characteristics

3.1 Configuration, dimensions, tolerances, masses

Configuration shall be in accordance with the figure. Dimensions, tolerances and masses shall conform to Figure 1 and Tables 1 and 2. Details of form, not stated are at the manufacturer's option.

3.2 Material

Heat resisting nickel base alloy NI-PH2601 according to EN 2952.

3.3 Surface treatment

None.

3.4 Thread surface

See Figure 1.

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