

Irish Standard I.S. EN 4131:2009

Aerospace series - Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in heat resisting nickel base alloy, aluminium IVD coated - Classification: 1 250 MPa (at ambient temperature) / 425 °C

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Incorporating amendments/corrigenda/National Annexes issued since publication:	
EN 4131:2009/AC:2010	

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN 4131:2009/AC

April 2010 Avril 2010 April 2010

ICS 49.030.20

English version Version Française Deutsche Fassung

Aerospace series - Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in heat resisting nickel base alloy, aluminium IVD coated - Classification: 1 250 MPa (at ambient temperature) / 425 °C

Série aérospatiale - Vis à tête hexagonale normale, tige normale à tolérance large, filetage moyen, en alliage résistant à chaud à base de nickel, revêtues aluminium IVD - Classification: 1 250 MPa (à température ambiante) / 425 °C

Luft- und Raumfahrt -Sechskantschrauben, mittlere Gewindelänge, aus hochwarmfester Nickelbasislegierung, Aluminum IVD beschichtet - Klasse: 1 250 MPa (bei Raumtemperatur) / 425 °C

This corrigendum becomes effective on 28 April 2010 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 28 avril 2010 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 28.April 2010 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.

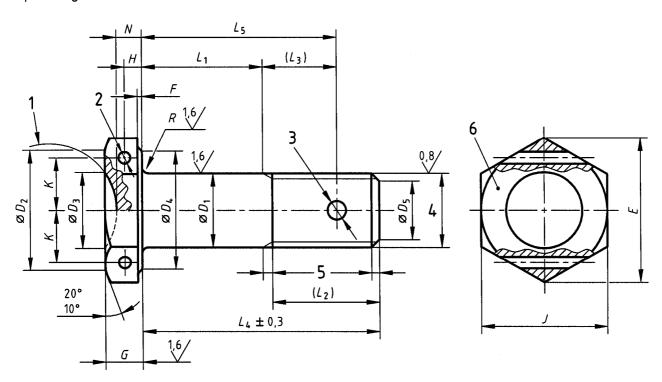


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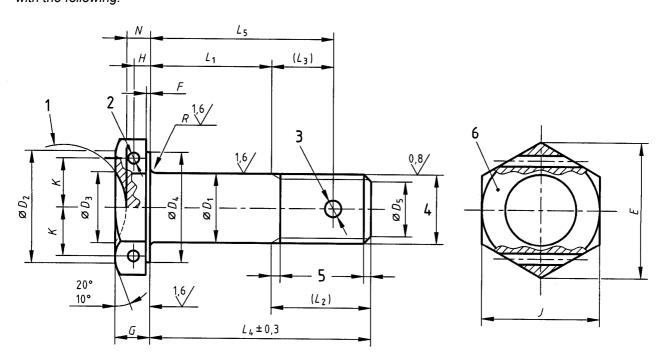
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1 Modification 1

Replace Figure 1: "



[&]quot; with the following: "



EUROPEAN STANDARD

EN 4131

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2009

ICS 49.030.20

English Version

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This European Standard was approved by CEN on 12 March 2009.

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EN 4131:2009 (E)

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EN 4131:2009 (E)

Foreword

This document (EN 4131:2009) 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 October 2009, and conflicting national standards shall be withdrawn at the latest by October 2009.

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EN 4131:2009 (E)

1 Scope

This standard specifies the characteristics of bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in heat resisting nickel base alloy, aluminium IVD coated.

Classification: 1 250 MPa 1) / 425 °C 2)

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, Aerospace series — Marking of aerospace products

EN 2952, Aerospace series — Heat resisting alloy NI-PH2601 — Solution treated and cold worked — Bar for forged fasteners — $D \le 50$ mm — 1 270 MPa $\le R_m \le 1$ 550 MPa ³⁾

EN 3219, Aerospace series — Heat resisting nickel base alloy (Ni-P100HT) — Cold worked and softened — Bar and wire for continuous forging or extrusion for fasteners — $3 \le D \le 30 \text{ mm}^{3}$)

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

ISO 3193, Aerospace — Bolts, normal hexagonal head, normal shank, short or medium length MJ threads, metallic material, coated or uncoated, strength classes less than or equal to 1 100 MPa — Dimensions

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 9154, Aerospace — Bolts, with MJ threads, made of heat-resistant nickel-based alloy, strength class 1 550 MPa — Procurement specification

TR 3775, Aerospace series — Bolts and pins — Materials ⁴⁾

MIL-DTL-83488D, Coating, aluminium, high purity 5)

¹⁾ Minimum tensile strength of the material at ambient temperature.

²⁾ Maximum that the bolt can withstand without continuous change in its original characteristics, after return to ambient temperature. The maximum temperature is determined by the surface treatment.

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

⁴⁾ Published as ASD Technical Report at the date of publication of this standard.

⁵⁾ Published by: Department of Defense (DOD), the Pentagon, Washington, D.C. 20301, USA.



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