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# *Geregistreeerde Belgische norm*

**NBN EN 4031**

1e uitg., februari 2002

**Normklasse : N 01**

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## **Lucht- en ruimtevaart - Leidingkoppeling 8° 30' in titaanlegering - Moer voor gelaste ring**

Série aérospatiale - Système de raccordement 8°30' en alliage de titane - Ecrou pour olive soudée

Aerospace series - Pipe coupling 8°30' in titanium alloy - Nut for welded ferrule

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### **Toelating tot publicatie : 14 november 2001**

Deze Europese norm EN 4031 : 2001 heeft de status van een Belgische norm..

Deze Europese norm bestaat in drie officiële versies (Duits, Engels, Frans).



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ICS: 49.080

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***norme belge  
enregistrée***

**NBN EN 4031**

1e éd., février 2002

**Indice de classement : N 01**

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**Série aéronautique - Système de raccordement 8°30' en alliage de titane -  
Ecrou pour olive soudée**

Lucht- en ruimtevaart - Leidingkoppeling 8° 30' in titaanlegering - Moer voor gelaste ring

Aerospace series - Pipe coupling 8°30' in titanium alloy - Nut for welded ferrule

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**Autorisation de publication : 14 novembre 2001**

La présente norme européenne EN 4031 : 2001 a le statut d'une norme belge.

La présente norme européenne existe en trois versions officielles (allemand, anglais, français).



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ICS 49.080

English version

## Aerospace series - Pipe coupling 8°30' in titanium alloy - Nut for welded ferrule

Série aérospatiale - Système de raccordement 8°30' en alliage de titane - Ecrou pour olive soudée

Luft- und Raumfahrt - Rohrverschraubung 8°30' aus Titanlegierung - Mutter für Anschweißstutzen

This European Standard was approved by CEN on 29 December 2000.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
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## **Foreword**

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries 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 March 2002, and conflicting national standards shall be withdrawn at the latest by March 2002.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This standard specifies the characteristics of nuts for welded ferrules, for pipe couplings 8°30', in titanium alloy, for aerospace applications.

Nominal pressure: up to 28 000 kPa

Temperature range: – 55 °C to 135 °C

## 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 5855-3, *Aerospace — MJ threads — Part 3: Limit dimensions for fittings for fluid systems.*

ISO 8788, *Aerospace — Nuts, metric — Tolerances of form and position*

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

EN 2497, *Aerospace series — Dry abrasive blasting of titanium and titanium alloys.*

EN 3275, *Aerospace series — Pipe coupling 8°30' up to 28 000 kPa — Dynamic beam seal — Metric series — Technical specification.*

EN 3311, *Aerospace series — Titanium alloy TI-P64001 — Annealed — Bar for machining —  $D \leq 150$  mm.<sup>1)</sup>*

EN 3312, *Aerospace series — Titanium alloy TI-P64001 — Grade 2 — Annealed — Forgings —  $D_e \leq 150$  mm.<sup>1)</sup>*

EN 3314, *Aerospace series — Titanium alloy TI-P64001 — Solution treated and aged — Bar for machining —  $D \leq 75$  mm.<sup>1)</sup>*

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<sup>1)</sup> Published as AECMA Prestandard at the date of publication of this standard