



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 3855:2002

ICS 49.080

National Standards
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Aerospace series - Pipe couplings, 60°, spherical
in titanium alloy TI-P64001 - Caps

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EUROPEAN STANDARD

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English version

Aerospace series - Pipe couplings, 60°, spherical in titanium alloy TI-P64001 - Caps

Série aérospatiale - Raccords sphériques, 60°, en alliage de titane TI-P64001 - Bouchons

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.

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



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Contents

	page
Foreword.....	3
1 Scope	3
2 Normative references	3
3 Required characteristics	4
3.1 Configuration – Dimensions – Tolerances	4
3.2 Material.....	4
3.3 Cap assembly.....	4
3.4 Cap	6
4 Designation.....	8
5 Marking	8
6 Quality assurance	8

Foreword

This document (EN 3855:2002) has been prepared by the European Association of Aerospace Manufacturers – Standardization (AECMA-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 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of an identical text or by endorsement, at the latest by May 2003, and conflicting national standards shall be withdrawn at the latest by May 2003.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, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies the characteristics of caps for pipe couplings, 60°, spherical, in TI-P64001, for aerospace applications.

NOTE: Use with EN 3851, EN 3852 and EN 3853.

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 286-2, *ISO system of limits and fits - Part 2 : Tables of standard tolerance grades and limit deviations for holes and shafts.*

EN 2000, *Aerospace series - Quality assurance - EN aerospace products - Approval of the quality system of manufacturers.*

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

EN 2530, *Aerospace series - Titanium alloy TI-P63 - Annealed - $900 \text{ MPa} \leq R_m \leq 1160 \text{ MPa}$ - Bars $D_e \leq 150 \text{ mm}$ ¹⁾.*

EN 3851, *Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy TI-P64001 - Swivel nuts, straight* ²⁾.

EN 3852, *Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy TI-P64001 - Straight unions, welded, threaded* ²⁾.

EN 3853, *Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy TI-P64001 - Straight unions, threaded* ²⁾.

1) Published as AECMA Standard at the date of publication of this standard

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

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3 Required characteristics

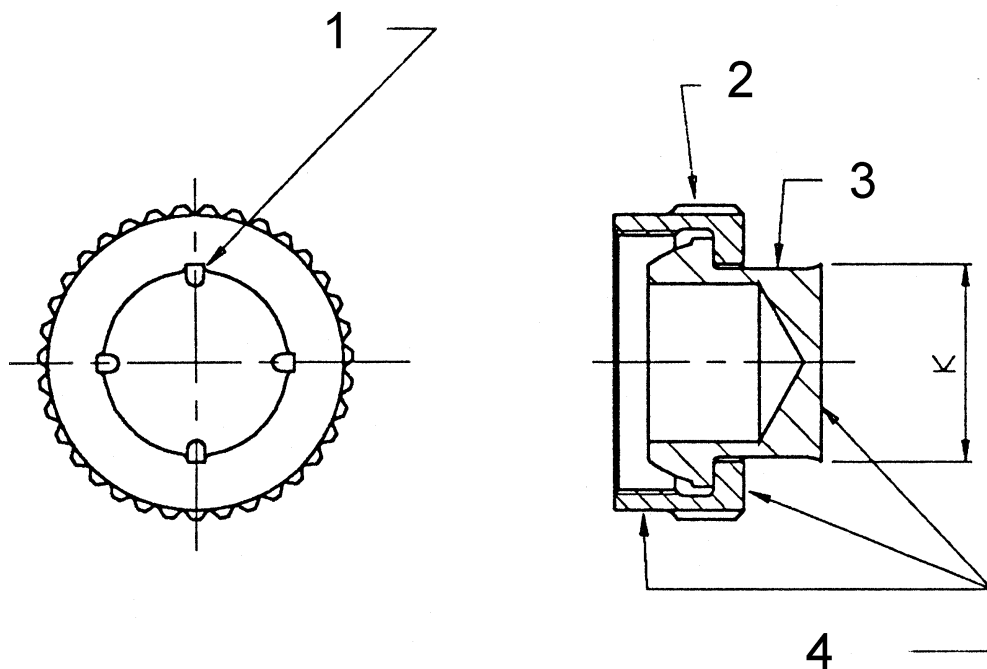
3.1 Configuration – Dimensions – Tolerances

See Figures 1 and 2 and Tables 1 and 2. Dimensions and tolerances are in millimetres.

3.2 Material

EN 2530.

3.3 Cap assembly



Key

- 1 Stake 4 places (see notes)
- 2 Swivel nut EN 3851
- 3 Cap (see 3.4)
- 4 Optional location mark assembly number

- NOTE 1 Do not support cap on seat during staking or marking of number.
- NOTE 2 Cap shall be free from defects (cracks, etc.) as a result of staking.
- NOTE 3 Nut shall spin freely on cap after staking.
- NOTE 4 Minimum push out force 45 N.

Figure 1

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