

Pipe coupling in titanium alloy — Bulkhead nut

The European Standard EN 3266:2001 has the status of a British Standard.

ICS 49.030.30

National foreword

This British Standard is the official English language version of EN 3266:2001.

The UK participation in its preparation was entrusted to Technical Committee ACE/12/1, Aerospace Fasteners, Fastening Systems, Details and Parts (International), which has the responsibility to:

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 6, an inside back cover and a back cover.

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This British Standard, having been prepared under the direction of the Engineering Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee and comes into effect on 9 November 2001

Amendments issued since publication

Amd. No.	Date	Comments

ICS 49.030.30

English version

Aerospace series - Pipe coupling in titanium alloy - Bulkhead nut

Série aérospatiale - Système de raccordement en alliage
de titane - Ecrou pour traversée de cloison

Luft- und Raumfahrt - Rohrverschraubung aus
Titanlegierung - Mutter für Schottanschluß

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

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of an identical text or by endorsement, at the latest by April 2002, and conflicting national standards shall be withdrawn at the latest by April 2002.

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1 Scope

This standard specifies the characteristics of bulkhead nuts for pipe couplings, in titanium alloy, for aerospace applications.

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 2000	Aerospace series – Quality assurance – EN aerospace products – Approval of the quality system of manufacturers
EN 2424	Aerospace series – Marking of aerospace products
EN 3311	Aerospace series – Titanium alloy TI-P64001 – Annealed – Bar for machining – $D \leq 150$ mm ¹⁾
EN 3314	Aerospace series – Titanium alloy TI-P64001 – Solution treated and aged – Bar for machining – $D \leq 75$ mm ¹⁾

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

3 Required characteristics

3.1 Configuration – Dimensions – Mass

According to figure 1 and table 1

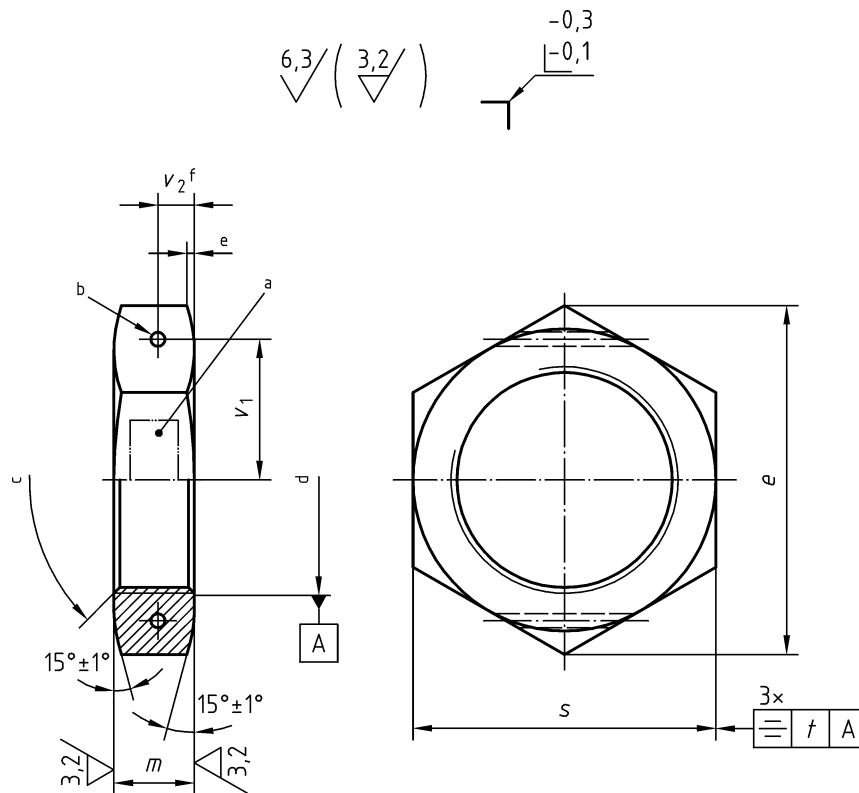
3.2 Surface roughness

According to figure 1

3.3 Material

According to EN 3311 or EN 3314

Dimensions in millimetres



- a Area for marking
- b Two holes $\varnothing d_1$ (optional)
- c 90° to 120° applicable to both faces
- d Thread
- e 0,3 to 0,6 applicable to both faces
- f From either face

Figure 1

Table 1

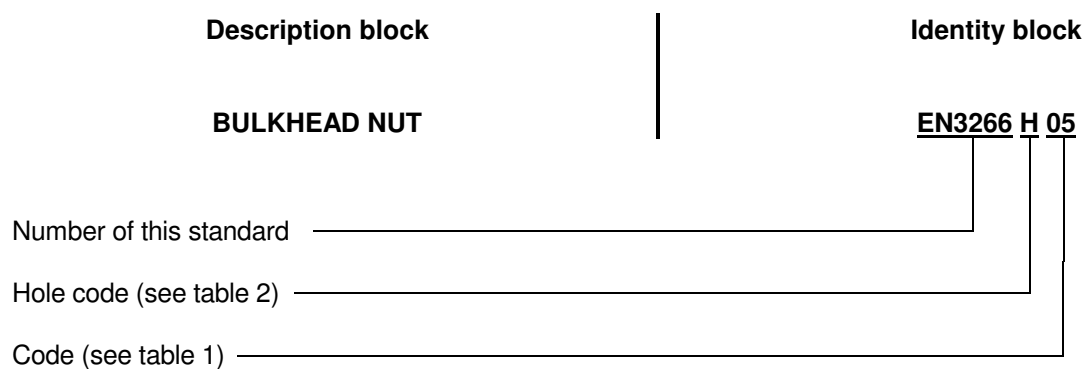
Dimensions in millimetres

Code ^a	Thread ^b	d_1	e	m	s	t^c	v_1	v_2	Mass
									g/piece
	4H5H	H13	min.	h14	h13		± 0,2	min.	max.
05	MJ10×1	1	15,51	5	14	0,36	5,9	2,1	2,34
06	MJ12×1,25	1,5	18,90	6	17	0,43	7,2	2,6	4,10
08	MJ14×1,5		21,10	7	19		8,2	3,1	4,80
10	MJ16×1,5		24,49	8	22		9,7	3,6	8,69
12	MJ18×1,5		26,75	8,5	24		10,8	3,85	10,34
14	MJ20×1,5		30,14		27	12,5	13,19		
16	MJ22×1,5		33,53		30	13,9	16,64		
18	MJ24×1,5		35,72		32	14,9	17,81		
20	MJ27×1,5		37,72		34	15,8	18,03		
22	MJ30×1,5		39,98		36	16,8	18,04		
25	MJ33×1,5		45,63	10,0	41	0,62	19,6	25,22	
28	MJ36×1,5		51,28		46		22,4	40,39	
32	MJ39×1,5		55,80		50	0,62	24,6	4,6	47,60

^a Corresponds to the pipe nominal outside diameter
^b According to ISO 5855-3
^c According to ISO 8788

4 Designation

EXAMPLE:



NOTE: If necessary, the code I9005 shall be placed between the description block and the identity block.

Table 2

Option	Code
Lockwire hole	H
No hole	– (hyphen)

5 Marking

According to EN 2424, style A and figure 1

6 Quality assurance

According to EN 2000

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