SLOVENSKI STANDARD
SIST EN 3264:2018

01-oktober-2018

Nadomešča:
SIST EN 3264:2010

Aeronavtika - Cevni priključek 8°30' iz titanove zlitine - Matice s potisno žico

Aerospace series - Pipe coupling 8°30' in titanium alloy - Thrust wire nuts

Luft- und Raumfahrt - Rohrverschraubung 8°30' aus Titanlegierung - Muttern mit Schubdraht

Série aérospatiale - Système de raccordement 8°30' en alliage de titane - Écrous à jonc

Ta slovenski standard je istoveten z: EN 3264:2018

ICS:

49.025.30	Titan	Titanium
49.030.30	Matice	Nuts

SIST EN 3264:2018 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

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EN 3264

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ICS 49.080

Supersedes EN 3264:2010

English Version

Aerospace series - Pipe coupling 8°30' in titanium alloy - Thrust wire nuts

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

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European foreword

This document (EN 3264:2018) 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of an identical text or by endorsement, at the latest by December 2018, and conflicting national standards shall be withdrawn at the latest by December 2018.

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This document supersedes EN 3264:2010.

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1 Scope

This document specifies the characteristics of thrust wire nuts 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

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 2491, *Aerospace series — Molybdenum disulphide dry lubricants — Coating methods*

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 (Ti-6Al-4V) — Annealed — Bar for machining D < 110 mm*

EN 3314, *Aerospace series — Titanium alloy TI-P64001, solution treated and aged — bar for machining D ≤ 75 mm*

EN 4032, *Aerospace series — Pipe coupling 8°30′ in titanium alloy — Thrust wires*

EN 9133, *Aerospace series — Quality Management Systems — Qualification Procedure for Aerospace Standard Products*

EN ISO 286-2, *Geometrical product specifications (GPS) — ISO code system for tolerances on linear sizes — Part 2: Tables of standard tolerance classes and limit deviations for holes and shafts (ISO 286-2:2010)*

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*

3 Required characteristics

3.1 Configuration – Dimensions – Mass

According to Figure 1 and Table 1. The values apply before lubricating.

3.2 Surface roughness

According to Figure 1.

3.3 Material

According to EN 3311 or EN 3314.

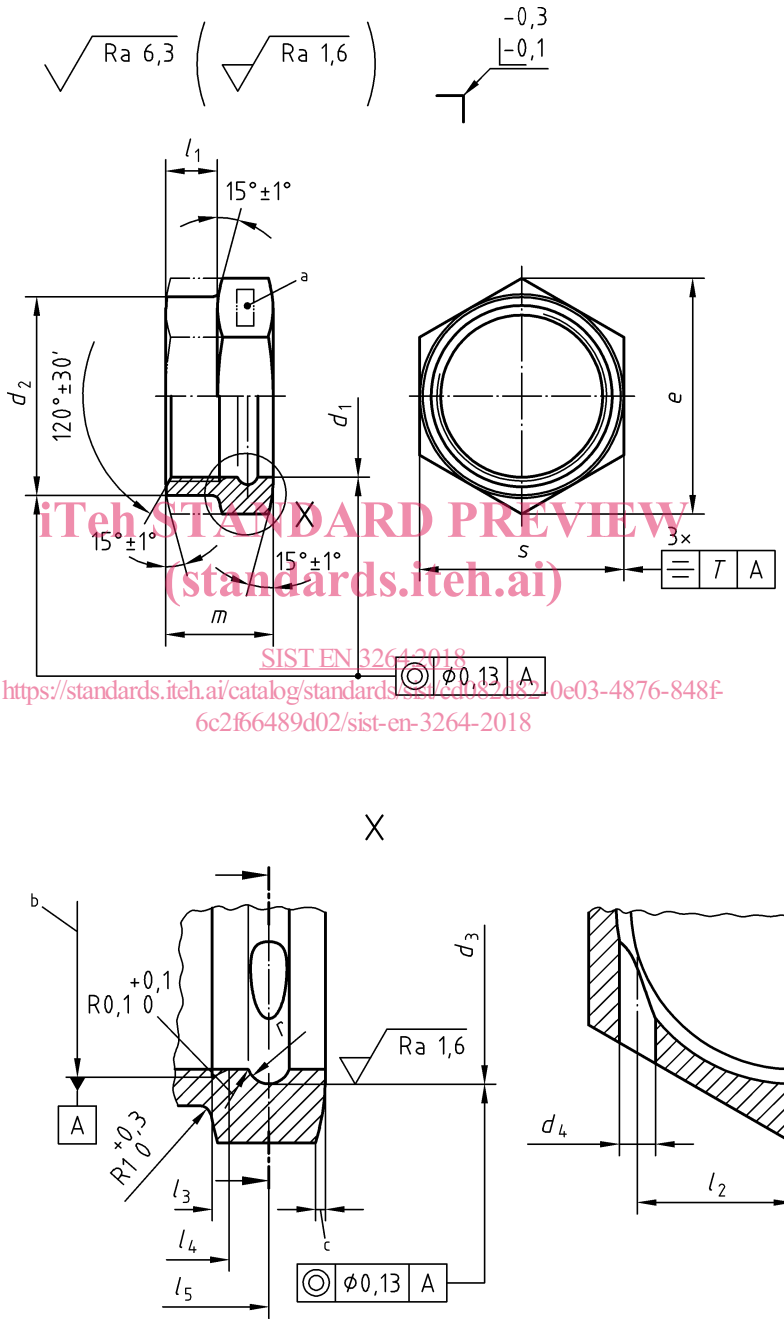
3.4 Surface treatment

Lubrication: according to EN 2491, on the bottom of the groove only.

Prior to application of the lubricant the surface shall be abrasive blasted using non-metallic grit.

Film thickness: 0,005 mm to 0,013 mm.

Dimensions in millimetres



Key

a Area for marking

b Thread

c 0,3 to 0,5 applicable to both faces

Figure 1

Table 1

Dimensions in millimetres

Code[a]	Thread[b] 4H5H	d_1 ±0,1	d_2 0 −0,2	d_3 +0,1 0	d_4[c] +0,1 0	e min.	l_1 ±0,4	l_2 ±0,1	l_3[d]	l_4 max.	l_5 ±0,1	m h11[f]	r +0,1 0	s h13[f]	T[e]	Mass g/piece max.
05	MJ10 × 1	9,1	–	11,0	2,2	15,51	–	4,2	7,2	8,4	10,0	13,0	1,3	14	0,36	5,52
06	MJ12 × 1,25	10,8	–	12,6		17,77	–	5,2	8,0	9,2	11,0	14,0		16	0,43	7,36
08	MJ14 × 1,5	12,6	17,0	14,6		20,03	11,0	6,2	9,5	11,0	13,0	16,0		18		7,59
10	MJ16 × 1,5	14,6	19,0	16,6		23,36	10,5	7,2	10,5	12,0	14,0	16,5		21		9,00
12	MJ18 × 1,5	16,6	21,0	19,2	2,7	24,49		8,2				17,5	1,6	22		10,64
14	MJ20 × 1,5	18,6	23,0	21,2		26,75		9,2				18,0		24	0,52	11,56
16	MJ22 × 1,5	20,6	26,0	23,2		30,14	10,0	10,2			14,5	19,0		27		17,50
18	MJ24 × 1,5	22,6	28,0	25,2	3,2	33,53		11,2					1,9	30		23,66
20	MJ27 × 1,5	25,6	31,0	28,2		35,72		12,5						32		23,23
22	MJ30 × 1,5	28,6	35,0	31,2		39,98		13,7						36		27,72
25	MJ33 × 1,5	31,6	38,0	34,2		45,63	9,5	15,5				19,5		41	0,62	36,63
28	MJ36 × 1,5	34,6	41,0	37,2		51,28		17,2						46		42,00
32	MJ39 × 1,5	37,6	45,0	40,2		55,80		18,6				20,0		50		51,45

a Corresponds to the pipe nominal outside diameter.

b According to ISO 5855-3.

c Corresponding wire diameter according to EN 4032.

d Minimum usable thread length.

e According to ISO 8788.

f h11 or h13 tolerance in accordance with ISO 286-2.

4 Designation

EXAMPLE

Description block	Identity block
THRUST WIRE NUT	EN3264-05

Number of this standard

Code (see Table 1)

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

5 Marking

According to EN 2424, style A and Figure 1.