



SLOVENSKI STANDARD

SIST EN 3264:2010

01-oktober-2010

Nadomešča:
SIST EN 3264:2004

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

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Ta slovenski standard je istoveten z: [SIST EN 3264:2010](http://standardsiteh.si/standards/414-496b-84ad-9065ca54a2fa/sist-en-3264-2010) EN 3264:2010

ICS:

49.030.30 Matice Nuts

SIST EN 3264:2010 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3264

July 2010

ICS 49.080

Supersedes EN 3264:2001

English Version

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

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

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

This European Standard was approved by CEN on 26 May 2010.

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 CEN 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 CEN Management Centre has the same status as the official versions.

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CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Required characteristics	4
4 Designation	6
5 Marking	7
6 Technical specification	7
7 Qualification	7

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Foreword

This document (EN 3264:2010) 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 January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 3264:2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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EN 3264:2010 (E)**1 Scope**

This European Standard 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 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 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 — $D \leq 110$ mm*

EN 3314, *Aerospace series — Titanium alloy TI-P64001 — Solution treated and aged — Bar for machining — $D \leq 75$ mm¹⁾*

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

EN 9133, *Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts*

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.

1) Published as ASD-STAN Prestandard at the date of publication of this standard by Aerospace and Defence Industries Association of Europe-Standardization (ASD-STAN), (www.asd-stan.org).

3.3 Material

According to EN 3311 or EN 3314

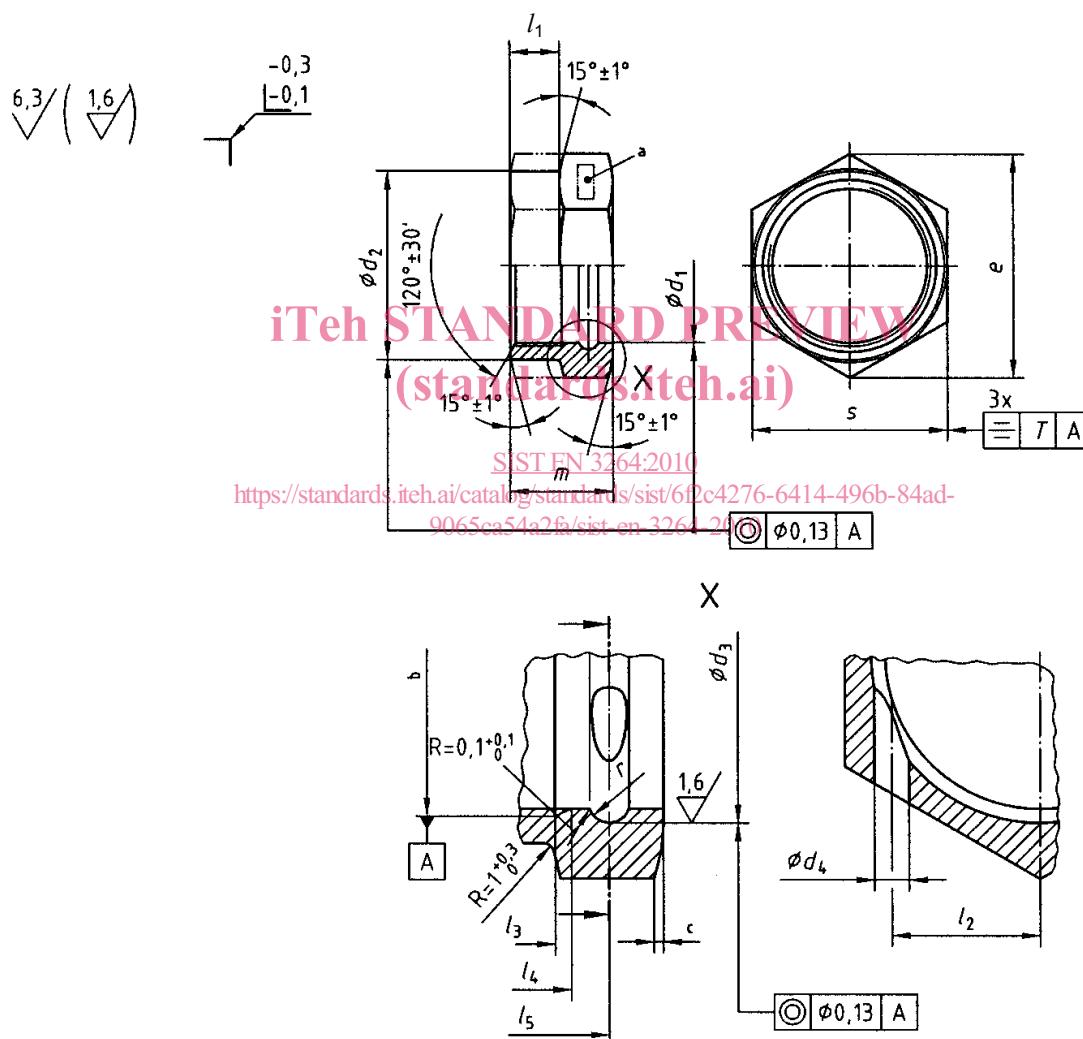
3.4 Surface treatment

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



- 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 $\pm 0,1$	d_2 $\begin{matrix} 0 \\ -0,2 \end{matrix}$	d_3 $\begin{matrix} +0,1 \\ 0 \end{matrix}$	d_4^c $\begin{matrix} +0,1 \\ 0 \end{matrix}$	e min.	l_1 $\pm 0,4$	l_2 $\pm 0,1$	l_3^d	l_4 max.	l_5 $\pm 0,1$	m h11	r $\begin{matrix} +0,1 \\ 0 \end{matrix}$	s h13	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			9,00
10	MJ16 × 1,5	14,6	19,0	16,6		23,36	7,2	16,5	21								
12	MJ18 × 1,5	16,6	21,0	19,2	2,7	24,49	10,5	8,2	14,0	17,5	1,6	22	11,56				
14	MJ20 × 1,5	18,6	23,0	21,2		26,75		9,2		18,0		24					
16	MJ22 × 1,5	20,6	26,0	23,2	3,2	30,14	10,0	10,2	10,5	12,0	14,5	19,0	1,9	27	0,52	17,50	
18	MJ24 × 1,5	22,6	28,0	25,2		33,53		11,2						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	2,7	45,63	9,5	15,5	19,5	1,6	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			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.

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.