



SLOVENSKI STANDARD
SIST EN 3274:2011

01-maj-2011

Nadomešča:
SIST EN 3274:2004

Aeronavtika - Cevni priključek 8°30' - Konec navoja - Geometrijski načrt

Aerospace series - Pipe coupling 8°30' - Thread end - Geometric configuration

Luft- und Raumfahrt - Rohrverschraubung 8°30' - Gewindeende - Konstruktionsblatt

Série aéronautique - Système de raccordement 8°30' - Extrémité de filetage -
Configuration géométrique

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Ta slovenski standard je istoveten z: EN 3274:2010

<https://standards.iteh.ai/catalog/standards/sist/en-3274-2011/iso-3274-2010>
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ICS:

49.030.10 Navoji

Screw threads

SIST EN 3274:2011

en,de

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EUROPEAN STANDARD

EN 3274

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2010

ICS 49.080

Supersedes EN 3274:2001

English Version

Aerospace series - Pipe coupling 8°30' - Thread end - Geometric configuration

Série aérospatiale - Système de raccordement 8°30' -
Extrémité de filetage - Configuration géométrique

Luft- und Raumfahrt - Rohrverschraubung 8°30' -
Gewindeende - Konstruktionsblatt

This European Standard was approved by CEN on 30 July 2010.

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

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 3274:2010 (E)**Foreword**

This document (EN 3274:2010) 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of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.

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 3274:2001.

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 3274:2010 (E)**1 Scope**

This standard specifies the characteristics of the thread end for 8°30' pipe couplings, nominal pressure up to 28 000 kPa, for aerospace applications.

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 2491, *Aerospace series — Molybdenum disulphide dry lubricants — Coating methods*

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****3.1.1 General**

Dimensions are in millimetres.

Dimensions and tolerances apply before lubrication. Threads and sealing face shall be lubricated according to EN 2491.

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3.1.2 Form B

According to Figure 1 and Table 1.

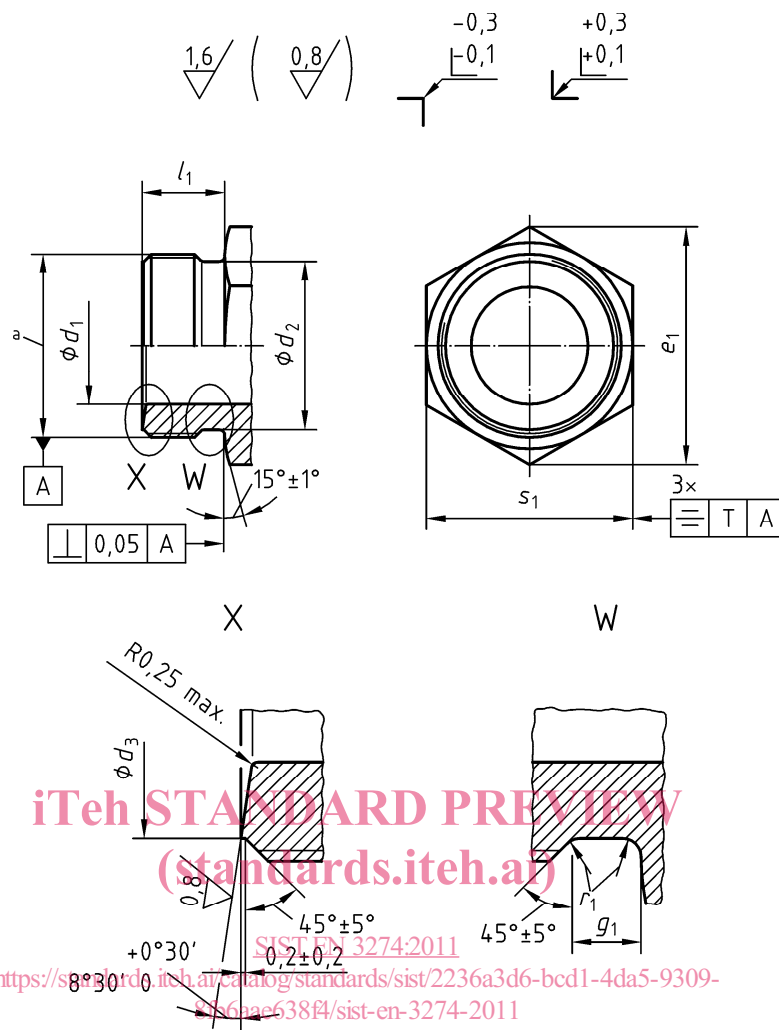
3.1.3 Forms C to L

According to Figures 2 to 10 and Tables 1 and 2.

3.2 Surface roughness

According to Figures 1 to 10.

The O-ring sealing groove shall not contain any radial tool marks.



a Thread

Figure 1 — Form B

Table 1

Code ^a	Thread ^b 4g6g	d_1 H11	d_2 0 -0,2	d_3		e_1 min.	g_1 0 -0,2	l_1 $\pm 0,2$	r_1 0 -0,2	s_1 h13	T ^c
				nom.	tol.						
04	MJ8×1	3,2	6,5	6,6	0	11,05	2	7,3	0,5	10	0,36
05	MJ10×1	4,2	8,5	8,6	-0,2	12,12				11	
06	MJ12×1,25	5	10,2	10,3	0 -0,3	14,38	3	10,8	0,8	13	0,43
08	MJ14×1,5	6,7	12	12		17,77				16	
10	MJ16×1,5	8,7	14	14		18,90				17	
12	MJ18×1,5	10,6	16	16		21,10				19	
14	MJ20×1,5	11,4	18	18		24,49				22	
16	MJ22×1,5	13,3	20	20		26,75				24	
18	MJ24×1,5	15,3	22	22		30,14				27	0,52
20	MJ27×1,5	18	25	25		33,53				30	
22	MJ30×1,5	20,8	28	28		35,72				32	
25	MJ33×1,5	22,4	31	31		37,72				34	
28	MJ36×1,5	25,6	34	34	45,63	41	0,62				
32	MJ39×1,5	28,3	37	37	45,63	41					

^a Corresponds to the pipe nominal outside diameter. [SIST EN 3274:2011](https://standards.iteh.ai/catalog/standards/sist/2236a3d6-bcd1-4da5-9309-8fb6aae638f4/sist-en-3274-2011)

^b According to ISO 5855-3. <https://standards.iteh.ai/catalog/standards/sist/2236a3d6-bcd1-4da5-9309-8fb6aae638f4/sist-en-3274-2011>

^c According to ISO 8788.

X as form B

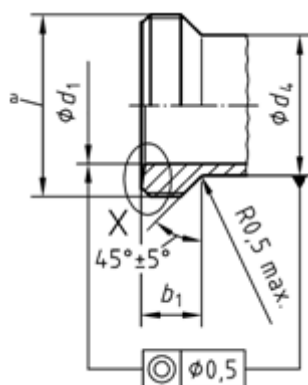
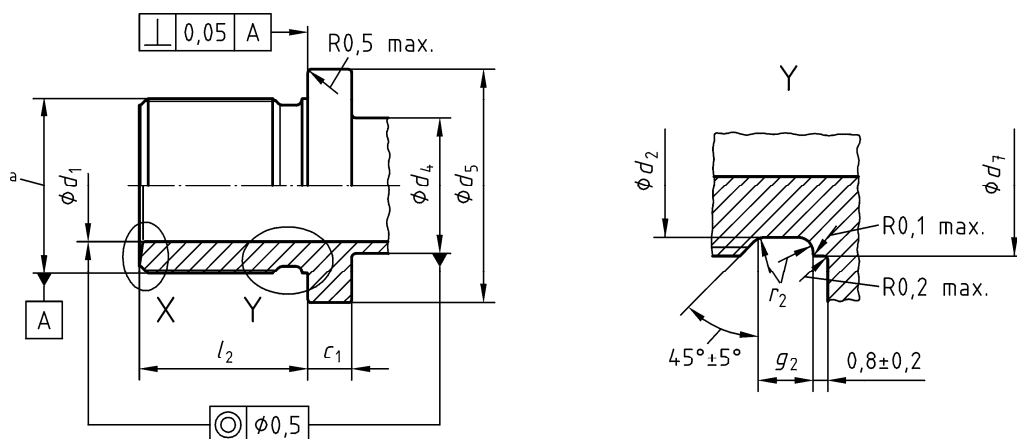
^a Thread

Figure 2 — Form C

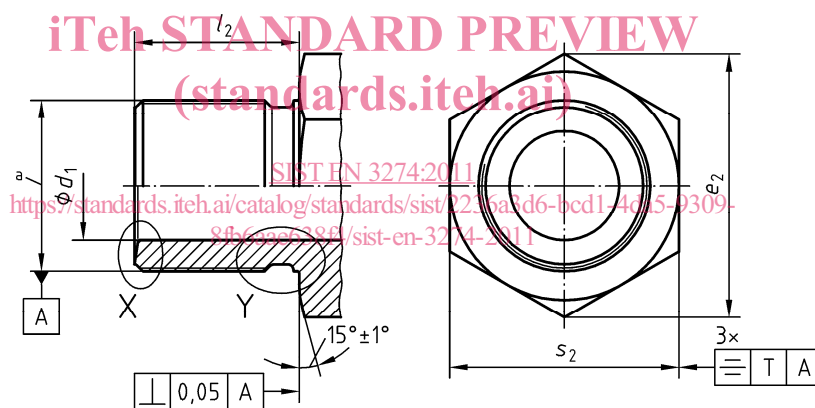
X as form B



a Thread

Figure 3 — Form D

X as form B
Y as form D



a Thread

Figure 4 — Form E