SLOVENSKI STANDARD
SIST EN 3272:2004

01-maj-2004

Aerospace series - Pipe coupling 8°30' - Dynamic beam seal end for ferrule, welded - Geometric configuration

Aerospace series - Pipe coupling 8°30' - Dynamic beam seal end for ferrule, welded - Geometric configuration

Luft- und Raumfahrt - Rohrverschraubung 8°30' - Dichtlippe für Anschweißstutzen - Konstruktionsblatt

Série aérospatiale - Systeme de raccordement 8°30' - Joints a levre pour olive a souder - Configuration géométrique

Ta slovenski standard je istoveten z: EN 3272:2001

ICS:

49.080	Letalski in vesoljski hidravliļ ni sistemi in deli	Aerospace fluid systems and components

SIST EN 3272:2004 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 3272

October 2001

ICS 49.080

English version

Aerospace series - Pipe coupling 8°30' - Dynamic beam seal end for ferrule, welded - Geometric configuration

Série aérospatiale - Système de raccordement 8°30' - Joint à lèvre pour olive soudée - Configuration géométrique

Luft- und Raumfahrt - Rohrverschraubung 8°30' - Dichtlippe für Anschweißstutzen - Konstruktionsblatt

This European Standard was approved by CEN on 29 December 2000.

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 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 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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

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

Ref. No. EN 3272:2001 E

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.

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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies the dimensions of the dynamic beam seal end for welded ferrules for pipe couplings 8°30', nominal pressure up to 28 000 kPa, 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).

EN 2656 Aerospace series – Pipe coupling – Coupling ends, welded – Geometric configuration

EN 3275 Aerospace series – Pipe coupling 8°30' up to 28 000 kPa – Dynamic beam seal – Metric series – Technical specification

3 Required characteristics

3.1 Configuration – Dimensions

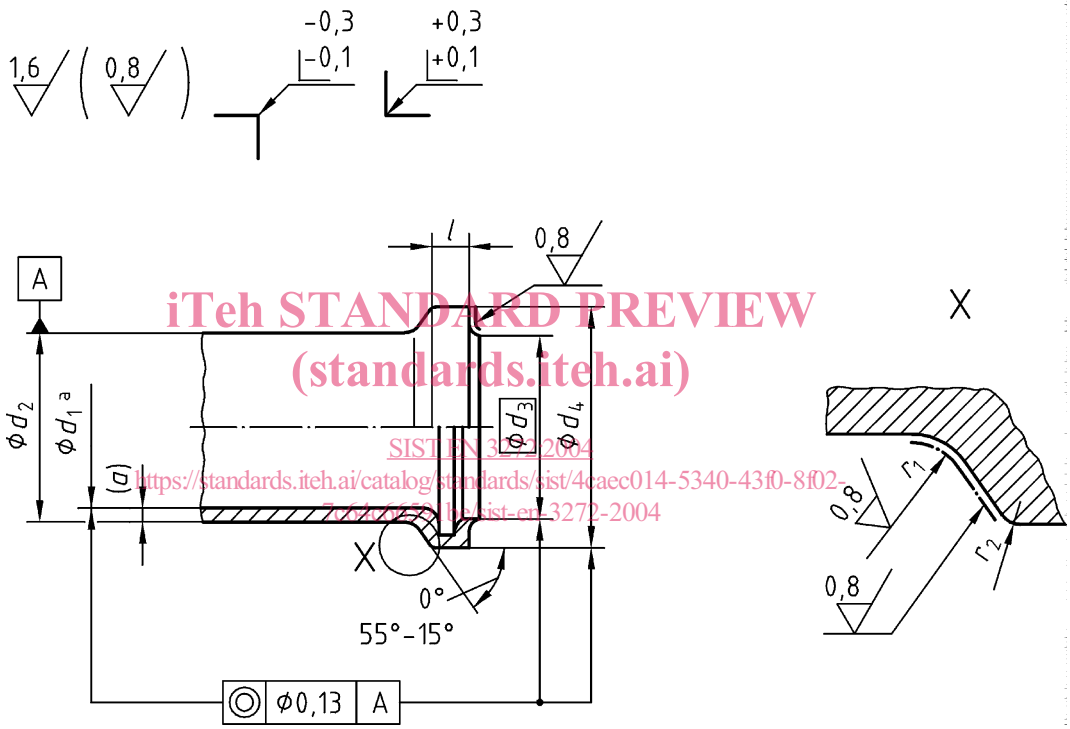
According to figure 1 and table 1

Dimensions not specified are at the manufacturer's option provided that the qualification and acceptance requirements of EN 3275, type II are met.

3.2 Surface roughness

According to figure 1, unless otherwise specified in the design documentation

Dimensions in millimetres



[a] Diameter according to EN 2656

Figure 1

Table 1

Dimensions in millimetres

Code [a]	Nominal pressure kPa	a	d_2 nom.	d_2 tol.	d_3	d_4 0 - 0,1	l ± 0,1	r_1 ± 0,2	r_2 ± 0,1
0404	28 000	0,4	4	+ 0,05 0	3,7	6,6	3,4	1,3	0,25
0504	28 000	0,4	5		4,7	8,6	3,5		
0505	28 000	0,5							
0605	28 000	0,5	6	+ 0,08 0	5,5	10,3	3,6		
0805	21 000	0,5	8		7,2	12	3,7		
0806	28 000	0,6							
1005	21 000	0,5	10		9,2	14	3,8		
1008	28 000	0,8							

(continued)

Table 1 (concluded)

Dimensions in millimetres

Code [a]	Nominal pressure kPa	a	d_2 nom	d_2 tol.	d_3	d_4 0 - 0,1	l ± 0,1	r_1 ± 0,2	r_2 ± 0,1
1205	14 000	0,5	12	+ 0,08 0	11,1	16	3,9	1,5	0,5
1206	21 000	0,6							
1209	28 000	0,9							
1405	14 000	0,5	14	+ 0,10 0	11,9	18	4		
1408	21 000	0,8							
1410	28 000	1,0							
1605	10 500	0,5	16		13,8	20	4,2		
1606	14 000	0,6							
1610	21 000	1,0							
1612	28 000	1,2							
1805	10 500	0,5	18		15,8	22	4,3	2,2	0,75
1807	14 000	0,7							
1810	21 000	1,0							
1813	28 000	1,3							
2006	10 500	0,5	20		18,5	25			
2007	14 000	0,7							
2012	21 000	1,2							
2015	28 000	1,5							
2208	14 000	0,8	22		21,3	28			
2212	21 000	1,2							
2216	28 000	1,6							
2508	10 500	0,8	25		22,9	31			
2509	14 000	0,9							
2514	21 000	1,4							
2518	28 000	1,8							
2808	10 500	0,8	28	+ 0,10 - 0,02	26,1	34			
2810	14 000	1,0							
2816	21 000	1,6							
2820	28 000	2,0							
3210	10 500	1,0	32		28,8	37	4,5		
3212	14 000	1,2							

[a] Corresponds to the pipe nominal outside diameter and wall thickness

4 Designation

EXAMPLE:

EN3272 0806

Number of this standard

Code (see table 1)