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

Série aérospatiale - Système de raccordement 8°30′ - Extrémité de joint à lèvre pour olive soudée - Configuration géométrique

Reference number
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Contents

Page

Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by the Aerospace and Defence Industries Association of Europe – Standardization (ASD-STAN) as EN 3272:2001 and was adopted by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 10, *Aerospace fluid systems and components.*

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

1 Scope

This document 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

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 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 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at http://www.iso.org/obp

4 Required characteristics

4.1 Configuration — Dimensions

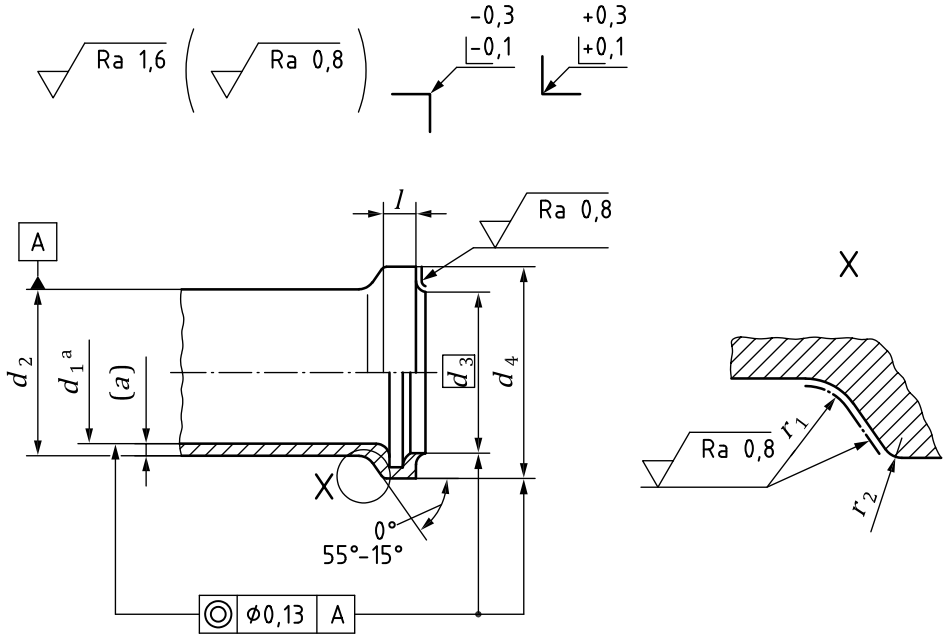
According to Figure 1 and Table 1.

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

4.2 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

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							
1205	14 000	0,5	12		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		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	+0,10 0	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.

5 Designation

EXAMPLE