
**Aerospace series — Pipe coupling
8°30' — Dynamic beam seal end for
elbows, tees and crosses — Geometric
configuration**

*Série aérospatiale - Système de raccordement 8°30' - Extrémité de
joint à lèvre pour raccords coudés, en té et en croix - Configuration
géométrique*

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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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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This document was prepared by the Aerospace and Defence Industries Association of Europe – Standardization (ASD-STAN) as EN 3273:2001 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 elbows, tees and crosses — Geometric configuration

1 Scope

This document specifies the dimensions of the dynamic beam seal end for elbows, tees and crosses 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 3274, *Aerospace series — Pipe coupling 8°30' — Thread end — 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 (standards.iteh.ai)

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

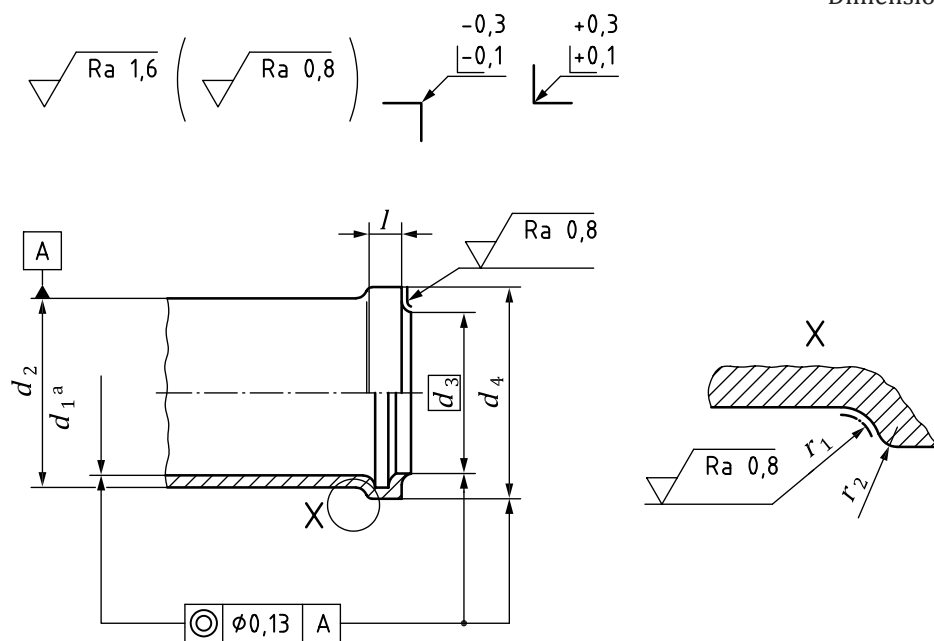
According to [Figure 1](#) and [Table 1](#).

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 3274.

Figure 1
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Table 1

Dimensions in millimetres

Code ^{a)}	d_2 0 −0,1	d_3	d_4 0 −0,1	l ±0,1	r_1 0 −0,1	r_2 ±0,1
04	4,6	3,7	6,6	3,4	1,0	0,25
05	6,6	4,7	8,6	3,5		
06	8,3	5,5	10,3	3,6		
08	10,0	7,2	12,0	3,7		
10	12,0	9,2	14,0	3,8		
12	13,5	11,1	16,0	3,9	1,2	0,5
14	15,5	11,9	18,0	4,0		
16	17,5	13,8	20,0	4,2		
18	19,0	15,8	22,0	4,3	1,5	0,75
20	22,0	18,5	25,0			
22	25,0	21,3	28,0			
25	28,0	22,9	31,0			
28	31,0	26,1	34,0			
32	34,0	28,8	37,0	4,5		

a) Corresponds to the pipe nominal outside diameter.

5 Designation

EXAMPLE

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