



# SLOVENSKI STANDARD SIST EN 3273:2004

01-maj-2004

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

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

Luft- und Raumfahrt - Rohrverschraubung 8°30' - Dichtlippe für Winkel-, T- und Kreuzverschraubungen - Konstruktionsblatt

Série aérospatiale - Systeme de raccordement 8°30' - Joints a levre, pour raccords coudés, raccords en té et raccords en croix - Configuration géométrique

<https://standards.iteh.ai/catalog/standards/sist/c991b35e-1fd3-4b1b-b4ce-338fb8b84452/sist-en-3273-2004>

**Ta slovenski standard je istoveten z: EN 3273:2001**

### ICS:

49.080 Štečajevski sistem za tekočine in plinove v letalskih sistemih in komponentah Aerospace fluid systems and components

**SIST EN 3273:2004**

**en**

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ICS 49.080

English version

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

Série aérospatiale - Système de raccordement 8°30' - Joint  
à lèvres, pour raccords coudés, raccords en té et raccords  
en croix - Configuration géométrique

Luft- und Raumfahrt - Rohrverschraubung 8°30' - Dichtlippe  
für Winkel-, T- und Kreuzverschraubungen -  
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.

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

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

## 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.

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## 1 Scope

This standard 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

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 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

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### 3 Required characteristics

#### 3.1 Configuration – Dimensions

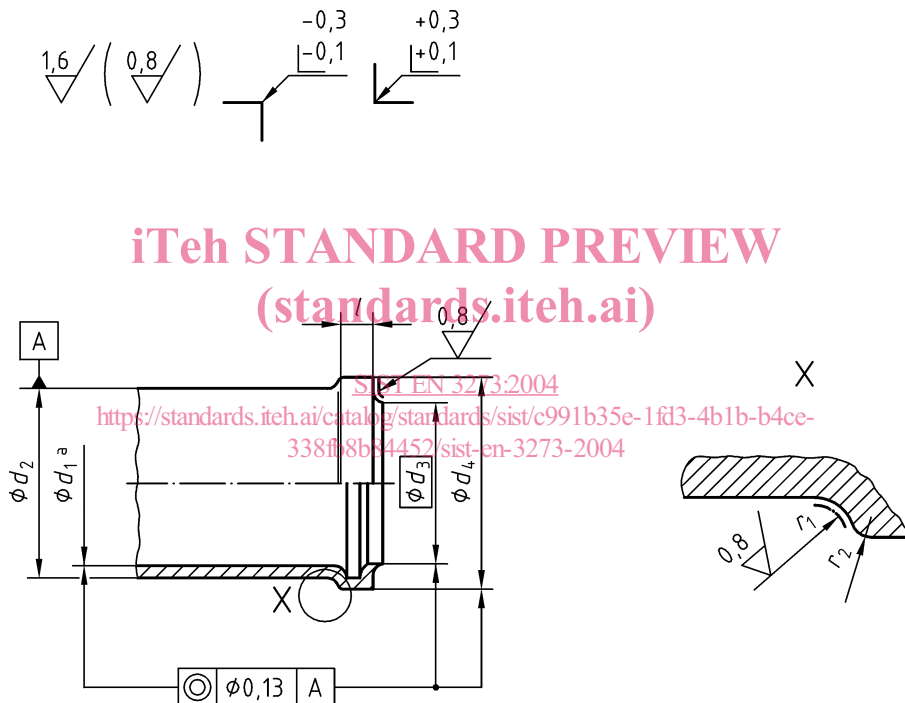
According to figure 1 and table 1

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



<sup>a</sup> Diameter according to EN 3274

Figure 1

Table 1

Dimensions in millimetres

Code <sup>a</sup>	$d_2$ 0 -0,1	$d_3$	$d_4$ 0 -0,1	$l$ $\pm 0,1$	$r_1$ 0 -0,1	$r_2$ $\pm 0,1$
<b>04</b>	4,6	3,7	6,6	3,4	1,0	0,25
<b>05</b>	6,6	4,7	8,6	3,5		
<b>06</b>	8,3	5,5	10,3	3,6		
<b>08</b>	10,0	7,2	12,0	3,7		
<b>10</b>	12,0	9,2	14,0	3,8		
<b>12</b>	13,5	11,1	16,0	3,9	1,2	0,5
<b>14</b>	15,5	11,9	18,0	4,0		
<b>16</b>	17,5	13,8	20,0	4,2		
<b>18</b>	19,0	15,8	22,0	4,3	1,5	0,75
<b>20</b>	22,0	18,5	25,0			
<b>22</b>	25,0	21,3	28,0			
<b>25</b>	28,0	22,9	31,0			
<b>28</b>	31,0	26,1	34,0			
<b>32</b>	34,0	28,8	37,0	4,5		

<sup>a</sup> Corresponds to the pipe nominal outside diameter

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#### 4 Designation

EXAMPLE:

**EN3273 05**

Number of this standard \_\_\_\_\_

Code (see table 1) \_\_\_\_\_