



**SLOVENSKI STANDARD**  
**SIST EN 3274:2004**

**01-maj-2004**

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

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

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

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

(standards.iteh.ai)

**Ta slovenski standard je istoveten z: EN 3274:2001**

<https://standards.iteh.ai/catalog/standards/sist/0f1ba9f5-8c22-40e3-bdaf-c3a2acd02109/sist-en-3274-2004>

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**ICS:**

49.030.10      Navoji      Screw threads

**SIST EN 3274:2004**      **en**

**iTeh STANDARD PREVIEW**  
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[SIST EN 3274:2004](#)

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 3274**

October 2001

ICS 49.080

English version

## Aerospace series - Pipe coupling 8°30' - Thread - Geometric configurations

Série aérospatiale - Système de raccordement 8°30' -  
Filetage - Configurations géométriques

Luft- und Raumfahrt - Rohrverschraubung 8°30' - Gewinde  
- 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 characteristics of the thread end for 8°30' pipe couplings, 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).

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

Dimensions are in millimetres.

Dimensions and tolerances apply before lubrication.

#### 3.1.1 Form B

According to figure 1 and table 1

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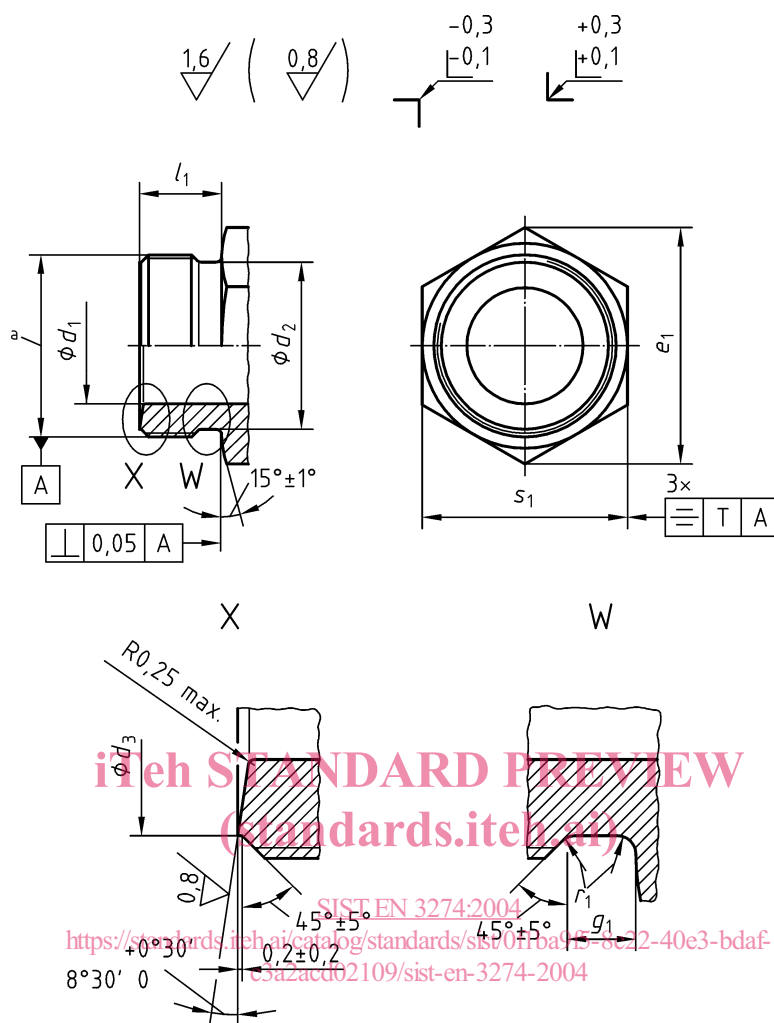
#### 3.1.2 Forms C to L

According to figures 2 to 10 and table 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.



<sup>a</sup> Thread

Figure 1 – Form B

Table 1

| Code <sup>a</sup> | Thread <sup>b</sup><br>4g6g | $d_1$<br>H11 | $d_2$<br>$\begin{matrix} 0 \\ -0,2 \end{matrix}$ | $d_3$ |   | $e_1$<br>min. | $g_1$<br>$\begin{matrix} 0 \\ -0,2 \end{matrix}$ | $l_1$<br>$\pm 0,2$ | $r_1$<br>$\begin{matrix} 0 \\ -0,2 \end{matrix}$ | $s_1$<br>h13 | $T^c$ |      |     |    |      |
|-------------------|-----------------------------|--------------|--|-------|---|---------------|--|--------------------|--|--------------|-------|------|-----|----|------|
|                   |                             |              |  | nom.  | tol.                                    |               |  |                    |  |              |       |      |     |    |      |
| <b>04</b>         | MJ8×1                       | 3,2          | 6,5  | 6,6   | $\begin{matrix} 0 \\ -0,2 \end{matrix}$ | 11,05         | 2  | 7,3                | 0,5  | 10           | 0,36  |      |     |    |      |
| <b>05</b>         | MJ10×1                      | 4,2          | 8,5  | 8,6   |   | 12,12         |  |                    |  | 11           |       |      |     |    |      |
| <b>06</b>         | MJ12×1,25                   | 5            | 10,2   | 10,3  | $\begin{matrix} 0 \\ -0,3 \end{matrix}$ | 14,38         | 2,5  | 9                  | 0,6  | 13           | 0,43  |      |     |    |      |
| <b>08</b>         | MJ14×1,5                    | 6,7          | 12   | 12    |   | 17,77         |  |                    |  | 16           |       |      |     |    |      |
| <b>10</b>         | MJ16×1,5                    | 8,7          | 14   | 14    |   | 18,90         |  |                    |  | 17           |       |      |     |    |      |
| <b>12</b>         | MJ18×1,5                    | 10,6         | 16   | 16    |   | 21,10         |  |                    |  | 19           |       |      |     |    |      |
| <b>14</b>         | MJ20×1,5                    | 11,4         | 18   | 18    |   | 24,49         |  |                    |  | 22           |       |      |     |    |      |
| <b>16</b>         | MJ22×1,5                    | 13,3         | 20   | 20    |   | 26,75         |  |                    |  | 24           |       |      |     |    |      |
| <b>18</b>         | MJ24×1,5                    | 15,3         | 22   | 22    |   | 30,14         |  |                    |  | 3            |       | 10,8 | 0,8 | 27 | 0,52 |
| <b>20</b>         | MJ27×1,5                    | 18           | 25   | 25    |   | 33,53         |  |                    |  |              |       |      |     | 30 |      |
| <b>22</b>         | MJ30×1,5                    | 20,8         | 28   | 28    |   | 35,72         |  |                    |  | 32           |       |      |     |    |      |
| <b>25</b>         | MJ33×1,5                    | 22,4         | 31   | 31    |   | 37,72         |  |                    |  | 34           |       | 0,62 |     |    |      |
| <b>28</b>         | MJ36×1,5                    | 25,6         | 34   | 34    | 45,63                                   | 41            |  |                    |  |              |       |      |     |    |      |
| <b>32</b>         | MJ39×1,5                    | 28,3         | 37   | 37    | 45,63                                   | 41            |  |                    |  |              |       |      |     |    |      |

<sup>a</sup> Corresponds to the pipe nominal outside diameter  
<sup>b</sup> According to ISO 5855-3  
<sup>c</sup> According to ISO 8788

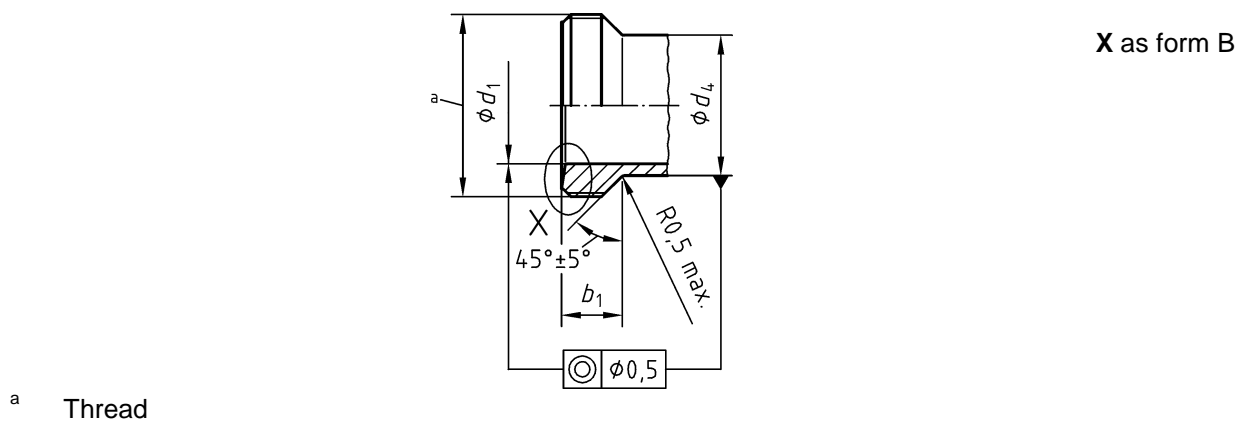


Figure 2 – Form C

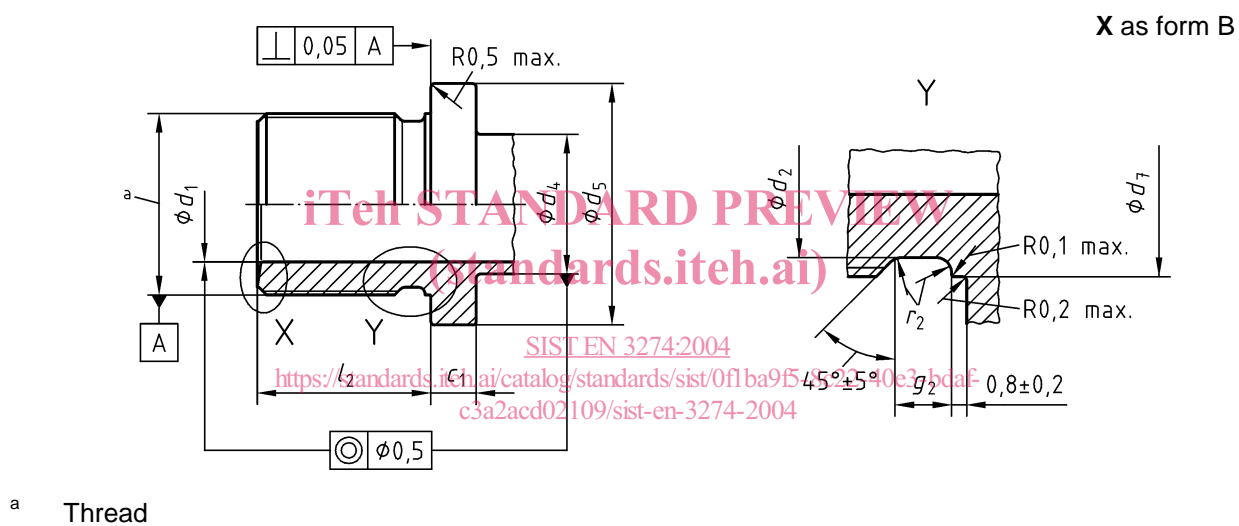


Figure 3 – Form D

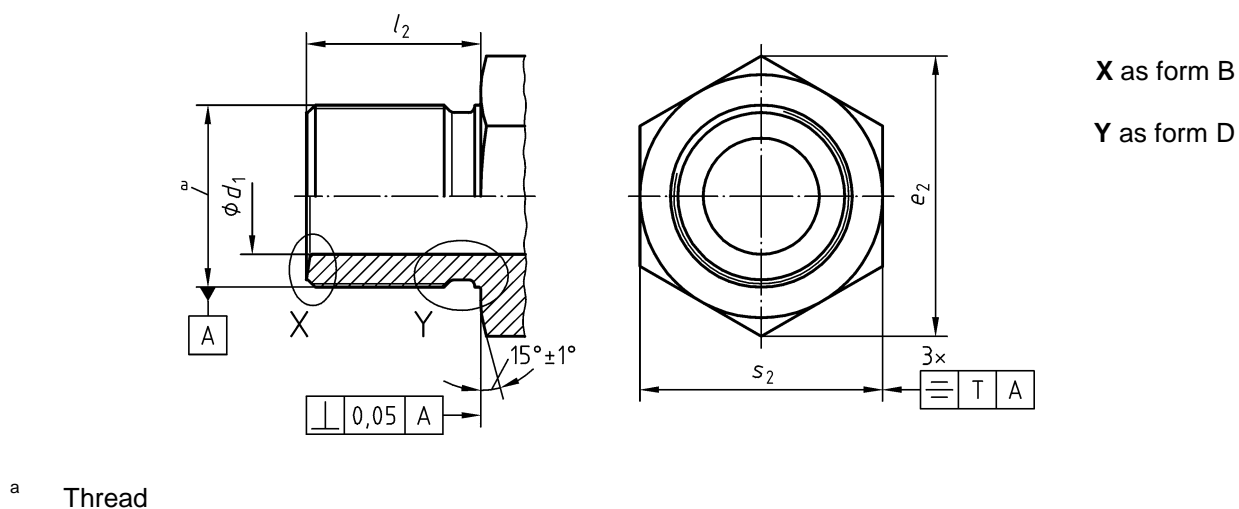
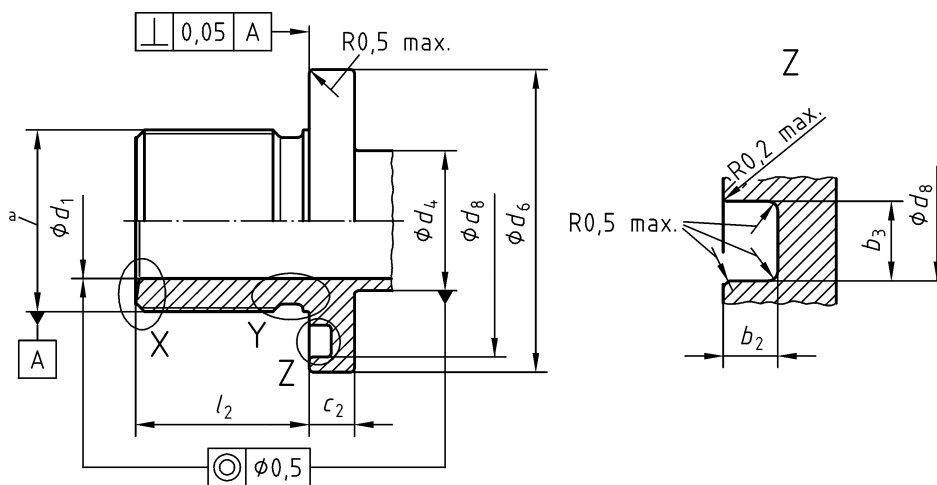


Figure 4 – Form E



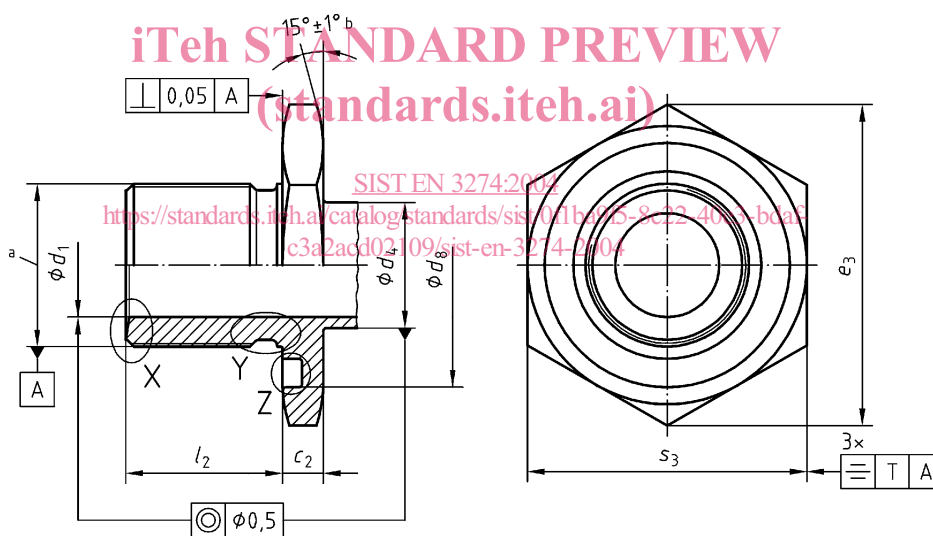


X as form B

Y as form D

a Thread

Figure 5 – Form F



X as form B

Y as form D

Z as form F

a Thread

b On both faces

Figure 6 – Form G