SLOVENSKI STANDARD
SIST EN 3633:2008

01-september-2008

Aeronavtika - Luknja za vgradnjo cevne napeljave s prirobnico

Aerospace series - Installation hole for fluid fittings, flanged

Luft- und Raumfahrt - Einbaulöcher für Rohrverbindungen mit Flansch

Série aérospatiale - Trous d'implantation pour raccords à bride

Ta slovenski standard je istoveten z: **EN 3633:2008**

ICS:

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

SIST EN 3633:2008 **en**

EUROPEAN STANDARD

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EN 3633

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ICS 49.080

English Version

Aerospace series - Installation hole for fluid fittings, flanged

Série aérospatiale - Trous d'implantation pour raccords à bride

Luft- und Raumfahrt - Einbaulöcher für Rohrverbindungen mit Flansch

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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Contents

Page

Figures

Tables

Foreword

This document (EN 3633:2008) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries 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 ASD, prior to its presentation to CEN.

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1 Scope

This standard specifies the dimensions of the installation holes and the design bosses and installation recesses for flanged fluid to EN 3630 and EN 3631, and method of callout on drawings.

2 Normative references

The following referenced documents are indispensable for the application 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 3630, *Aerospace series — Fluid fittings, flanged, straight — Sealing by O-ring for 0,8 mm thick tubes*[1)]

EN 3631, *Aerospace series — Fluid fittings, flanged, 90° elbowed — Sealing by O-ring for 0,8 thick tubes*[1)]

3 Required characteristics

3.1 Configuration, dimensions, tolerances

3.1.1 Configuration

See figures.

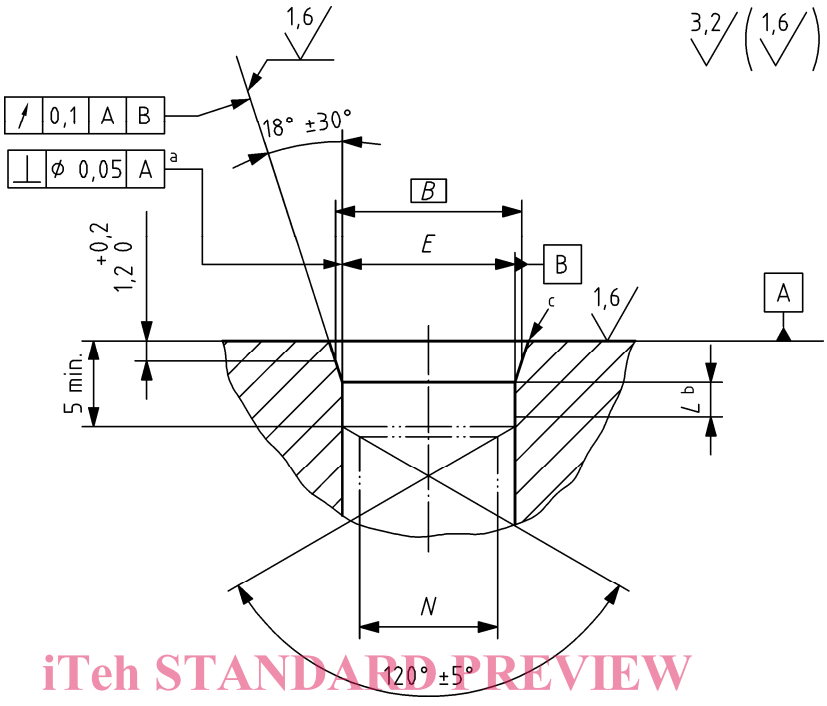
3.1.2 Dimensions and tolerances

See Figures 1 to 6 and Table 1.

1) Published as AECMA prestandard at the date of publication of this standard.

4 Hole dimensions

Dimensions in millimetres



Use $N < E$ only if strictly necessary. Then select min. $N \geq$ tube inner diameter.

Key

a Break sharp edges 0,1 mm to 0,3 mm

b Extent of E H11 tolerance

c Over dimension L

Figure 1

Table 1

Dimensions in millimetres

Diameter code	Hole code	E nom.	E tol. H11	B	G Two holes flange	G Three holes flange	K_1 min.	K_2 min.	L + 0,5 0
040	2	∅ 6	+ 0,9 0	∅ 6,8	∅ 18	–	∅ 17	∅ 19	2
060		∅ 8		∅ 8,8	∅ 20	–	∅ 19	∅ 21	
080		∅ 10		∅ 10,8	∅ 22	–	∅ 21	∅ 23	
100		∅ 12	+ 0,11 0	∅ 12,8	∅ 24	–	∅ 23	∅ 25	
120		∅ 14		∅ 14,8	∅ 26	–	∅ 25	∅ 27	
140		∅ 16		∅ 16,8	∅ 28	–	∅ 27	∅ 29	
160		∅ 18		∅ 18,8	∅ 30	–	∅ 29	∅ 31	
140	3	∅ 16		∅ 16,8	–	∅ 31	–	–	
160		∅ 18		∅ 18,8	–	∅ 33	–	–	
180		∅ 20		∅ 20,8	–	∅ 35	–	–	
200		∅ 22	+ 0,13 0	∅ 22,8	–	∅ 38	–	–	
220		∅ 24		∅ 24,8	–	∅ 40	–	–	
250		∅ 27		∅ 27,8	–	∅ 46	–	–	
280		∅ 30	+ 0,16 0	∅ 30,8	–	∅ 52	–	–	
320		∅ 34		∅ 34,8	–	∅ 60	–	–	

5 Design of bosses and installation recesses

All profiles below are not to scale.

5.1 Bosses

Dimensions in millimetres

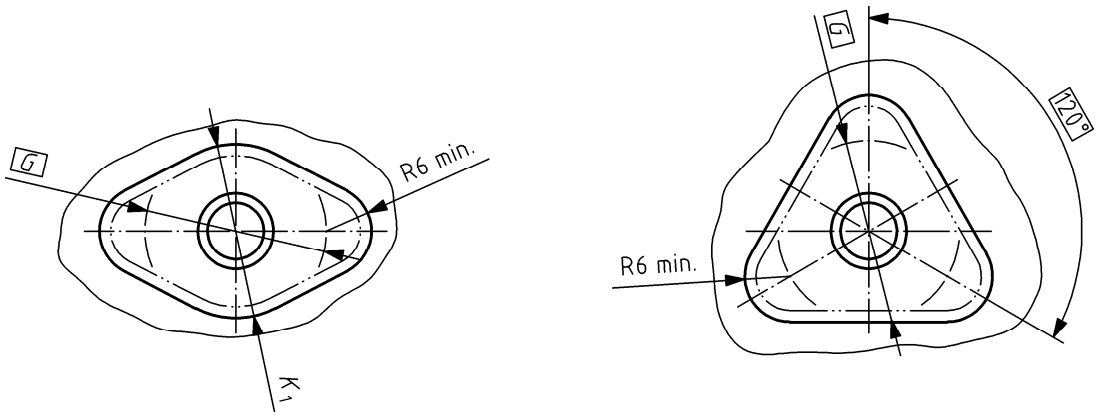


Figure 2

5.2 Recesses

Dimensions in millimetres

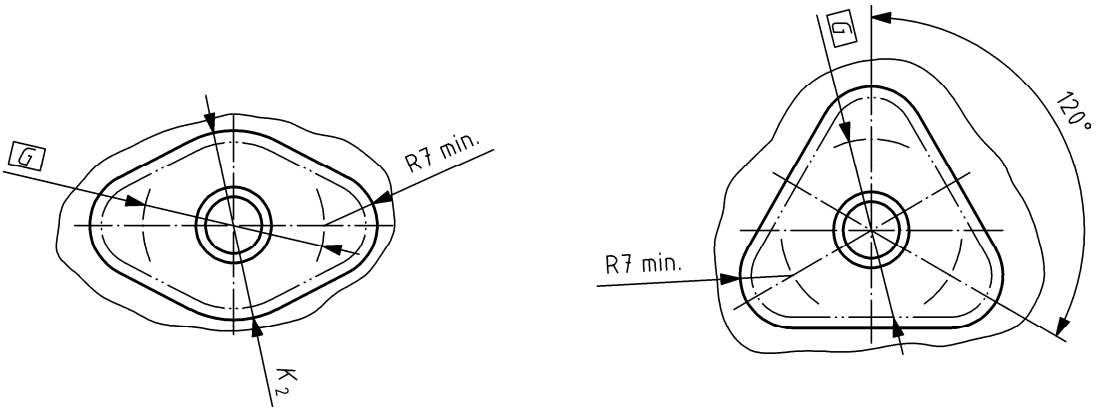


Figure 3

Dimensions in millimetres

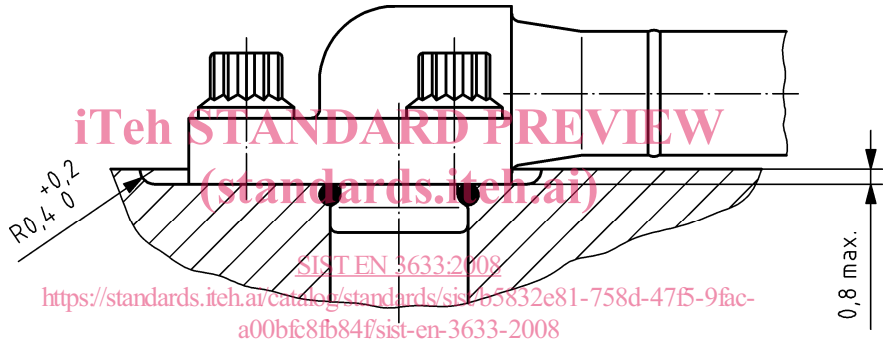
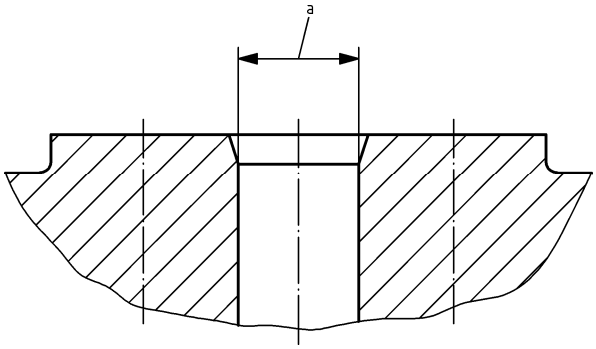


Figure 4

6 Indication on drawings

6.1 Example 1



Key

a Installation hole according to EN 3633–080–2

Figure 5