SLOVENSKI STANDARD

SIST EN 2605:2006

01-september-2006

Aeronavtika ï Vmesnik 24Áza adapterje, z navojem, z zaklepnim obroļ kom ï Geometrijski naļ rt

Aerospace series - 24° interface for adaptors, threaded, with lockring - Geometric configuration

Luft- und Raumfahrt - 24° -Anschlusszapfen für gerade Einschraubverschraubungen mit Sicherungsring - Konstruktionsblatt

Série aérospatiale - Interface 24° pour raccords a implanter, filetés, avec bague de sécurité - Configuration géométrique

Ta slovenski standard je istoveten z: EN 2605:2005

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EUROPEAN STANDARD

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EN 2605

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English Version

Aerospace series – 24° interface for adaptors, threaded, with lockring - Geometric configuration

Série aérospatiale - Raccords droits métriques avec bague de sécurité - Interface des raccords à 24° - Dimensions

Luft- und Raumfahrt – 24° -Anschlusszapfen für gerade Einschraubverschraubungen mit Sicherungsring - Konstruktionsblatt

This European Standard was approved by CEN on 28 October 2005.

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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 Central Secretariat has the same status as the official versions.

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

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Contents

Page

Foreword

This European Standard (EN 2605:2005) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-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 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of an identical text or by endorsement, at the latest by June 2006, and conflicting national standards shall be withdrawn at the latest by June 2006.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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1 Scope

This standard specifies the dimensional characteristics of the 24° interface for adaptors, threaded, with lockring, assembly with elastomer O-ring, for aerospace applications.

This standard applies to all adaptors, threaded, with lockring, assembled with EN 2607 to EN 2608 and used in hydraulic systems with a nominal pressure up to 28 000 kPa for which a metric-size coupling with a 24° conical sealing surface has been selected.

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.

ISO 5855-1, *Aerospace — MJ threads — Part 1: General requirements*

ISO 5855-3, *Aerospace — MJ threads — Part 3: Limit dimensions for fluid systems*

ISO 7321, *Aerospace — Fluid systems — Geometrical configuration of 24° tube fitting — Metric series*

EN 2602, *Aerospace series — Ports for adaptors, threaded, with lockring — Geometric configuration*

EN 2603, *Aerospace series — Port ends for adaptors, threaded, with lockring — Geometric configuration*

EN 2607, *Aerospace series — O-rings for adaptors, threaded, with lockring — Survey*

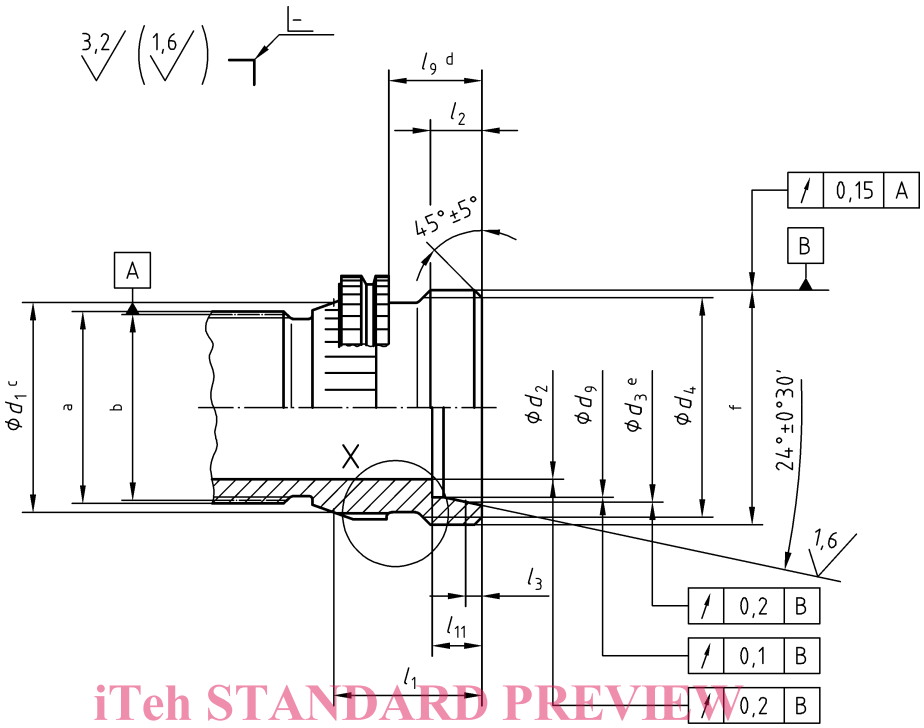
EN 2645, *Aerospace series — Lockrings for adaptors, threaded, with lockring — Dimensions*

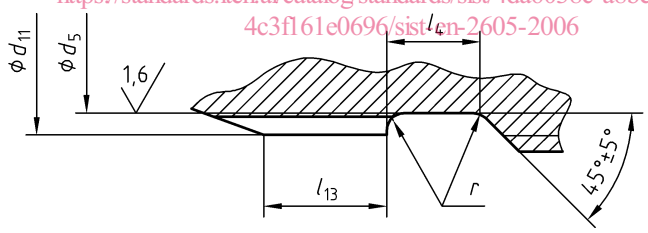
3 Required characteristics

3.1 Configuration — Dimensions

Inside dimensions in compliance with ISO 7321.

Dimensions in Millimetres





a Thread B

b Pitch diameter

c According to EN 2603

d Lockring position after installation in port according to EN 2602.

e Contact between this diameter and mating connection shall be continuous.

f Thread A

Figure 1

Table 1

Dimensions in millimetres

Code[a]	Port dimension code	Thread A[b] Nut end 4g6g	Thread B[b] Port end 4h6h	d_2 +0,20 0	d_3 theo-retical	d_4 0 −0,50	d_5 0 −0,20	d_9 +0,10 0	d_{11} Nominal	l_1 ±0,40	l_2 min.	l_3 +0,24 0	l_4 +0,10 −0,20	l_9 min.	l_{11} min.	l_{13} min.	r ±0,40
05	077	MJ 10 × 1	MJ 6 × 1	2,50	6,50	8,60	8,15	5,26	9,37	15,92	5,60	1,38	3,40	8,70	5,50	4,25	0,60
06	098	MJ 12 × 1,25	MJ 8 × 1	4,40	7,50	10,20	10,20	6,26	11,53	17,59	5,90	1,38	3,90	9,50	6,00	4,95	0,70
08	125	MJ 14 × 1,5	MJ 10 × 1	6,10	9,50	11,90	11,90	8,26	13,87	18,56	6,25	1,38	4,40	10,50	6,00	5,50	0,80
10	136	MJ 16 × 1,5	MJ 12 × 1,25	7,70	11,50	13,90	13,90	10,26	15,37	20,42	7,25	1,38	4,40	11,50	6,00	5,80	0,80
12	153	MJ 18 × 1,5	MJ 14 × 1,5	9,00	13,50	15,90	15,90	12,26	17,12	19,45	7,25	2,28	4,40	11,50	7,00	5,60	0,80
14	170	MJ 20 × 1,5	MJ 16 × 1,5	10,70	15,50	17,90	17,50	14,26	18,77	19,77	7,25	2,28	4,40	11,50	7,00	6,05	0,80
16	192	MJ 22 × 1,5	MJ 18 × 1,5	12,50	17,50	19,90	19,70	16,26	20,93	19,58	7,25	2,28	4,40	11,50	7,00	5,85	0,80
18	214	unused															
20	231	MJ 27 × 1,5	MJ 22 × 1,5	15,90	21,50	24,90	23,65	20,28	24,92	21,26	7,25	2,28	4,40	12,10	7,00	6,85	0,80
22	253	unused															
25	295	MJ 33 × 1,5	MJ 27 × 1,5	20,20	26,60	30,90	29,40	25,28	31,47	20,46	7,25	2,28	4,40	13,10	7,00	4,70	0,80
28	320	unused															
32	350	unused															

[a] Corresponds to the pipe nominal outside diameter.

[b] According to ISO 5855-3 except MJ 6 × 1. MJ 6 × 1 according to ISO 5855-1.