



SLOVENSKI STANDARD SIST EN 3566:2004

01-maj-2004

Aerospace series - Pipe coupling 8°30' in titanium alloy - Adaptors with lockring

Aerospace series - Pipe coupling 8°30' in titanium alloy - Adaptors with lockring

Luft- und Raumfahrt - Rohrverschraubung 8°30' aus Titanlegierung -
Anschlußverschraubungen mit Sicherungsring

Série aérospatiale - Systeme de raccordement 8°30' en alliage de titane - Raccords a
planter a bague de sécurité (standards.iteh.ai)

Ta slovenski standard je istoveten z: EN 3566:2001

SIST EN 3566:2004
<https://standards.iteh.ai/catalog/standards/sist/d9b58600-e9c5-4f90-87b5-396631dabb2a/sist-en-3566-2004>

ICS:

49.080

Ščē\āēĀ•[|b\ā
@ā!æ|ā}āāc{āēĀ^|ā

Aerospace fluid systems and
components

SIST EN 3566:2004

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 3566:2004

<https://standards.iteh.ai/catalog/standards/sist/d9b58600-e9c5-4f90-87b5-396631dabb2a/sist-en-3566-2004>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3566

October 2001

ICS 49.080

English version

Aerospace series - Pipe coupling 8°30' in titanium alloy - Adaptors with lockring

Série aérospatiale - Système de raccordement 8°30' en
alliage de titane - Raccords à planter à bague de sécurité

Luft- und Raumfahrt - Rohrverschraubung 8°30' aus
Titanlegierung - Anschlußverschraubungen mit
Sicherungsring

This European Standard was approved by CEN on 20 January 2001.

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.

[SIST EN 3566:2004](https://standards.iteh.ai/catalog/standards/sist/d9b58600-e9c5-4f90-87b5-396631dabb2a/sist-en-3566-2004)

<https://standards.iteh.ai/catalog/standards/sist/d9b58600-e9c5-4f90-87b5-396631dabb2a/sist-en-3566-2004>



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.

<https://standards.iteh.ai/catalog/standards/sist/d9b58600-e9c5-4f90-87b5-396631dabb2a/sist-en-3566-2004>

1 Scope

This standard specifies the characteristics for adaptors, with lockring, for pipe couplings 8°30', in titanium alloy, for installing in a boss for aerospace applications.

Nominal pressure: up to 28 000 kPa

Temperature range: – 55 °C to + 135 °C

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
EN 2424	Aerospace series – Marking of aerospace products
EN 2491	Aerospace series – Molybdenum disulphide dry lubricants – Coating methods
EN 2602	Aerospace series – Ports for installation of straight metric-size unions with locking ring – Dimensions ¹⁾
EN 2603	Aerospace series – Straight metric-size unions with locking ring – Port end – Dimensions ¹⁾
EN 2604	Aerospace series – Straight metric-size unions with locking ring – 8° 30' union interface – Dimensions ¹⁾
EN 2645	Aerospace series – Straight metric-size unions with locking ring – Locking ring – Dimensions ¹⁾
EN 3079	Aerospace series – Pipe coupling 8° 30' up to 28 000 kPa – Adaptors – Metric series – Technical specification ¹⁾
EN 3311	Aerospace series – Titanium alloy TI-P64001 – Annealed – Bar for machining – $D \leq 150$ mm ¹⁾
EN 3314	Aerospace series – Titanium alloy TI-P64001 – Solution treated and aged – Bar for machining – $D \leq 75$ mm ¹⁾
AMS 2488D	Anodic Treatment - Titanium and Titanium Alloys – Solution pH13 or Higher ²⁾

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

2) Published by: Society of Automotive Engineers, Inc. (SAE), 400 Commonwealth Drive, Warrendale, PA 15096-0001.

3 Required characteristics

3.1 Configuration – Dimensions – Mass

According to figure 1 and table 1. Dimensions apply before lubricating or anodizing.

The dimensions specified are those required by design to meet installation and system requirements.

The dimensions not specified are at manufacturer's option provided that the qualification and acceptance requirements of EN 3079, type II are met.

3.2 Surface roughness

According to figure 1, unless otherwise specified in the design documentation.

3.3 Materials (for adaptor)

According to EN 3311 or EN 3314

3.4 Surface treatments (for adaptor)

Lubrication: according to EN 2491, on all surfaces except in the flow hole

Prior to application of the lubricant, the surface shall be abrasive blasted using non-metallic grit.

Film thickness: 0,005 mm to 0,013 mm (standards.iteh.ai)

Alternative: Anodizing according to AMS 2488D, type 2.

<https://standards.iteh.ai/catalog/standards/sist/d9b58600-e9c5-4f90-175f-396631dabb2a/sist-en-3566-2004> Dimensions in millimetres

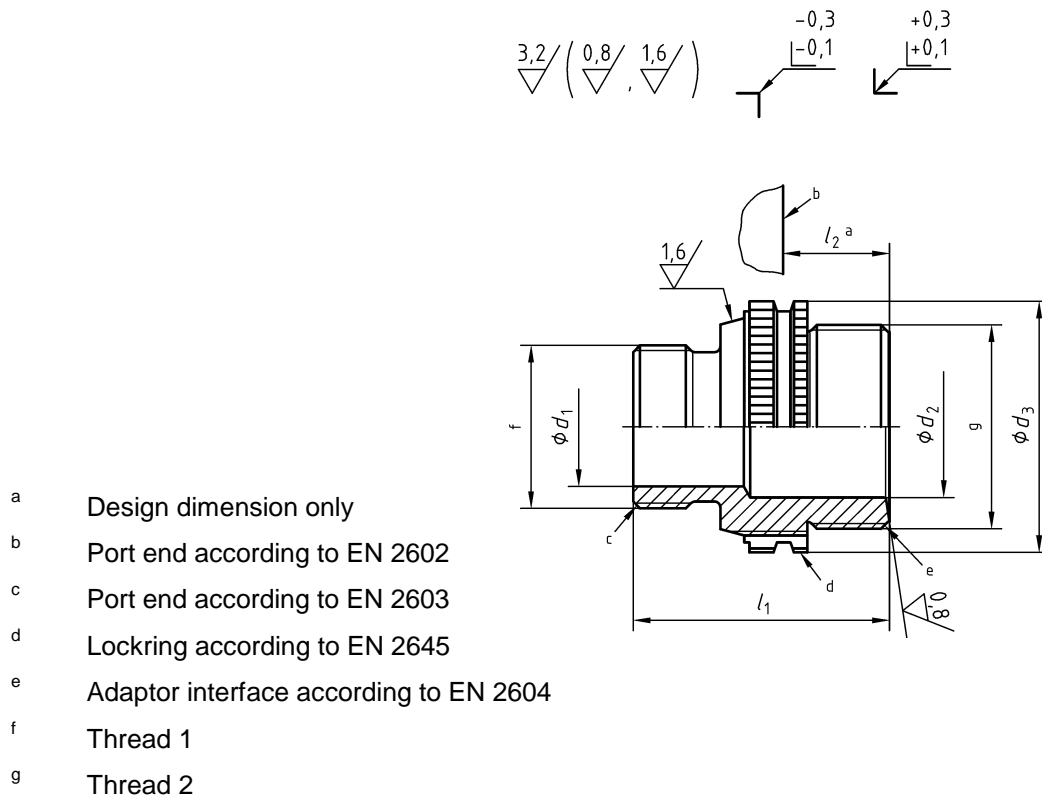


Figure 1

Table 1

Dimensions in millimetres

Code ^a	Thread 1 ^b Port end 4h6h	Thread 2 ^b Adaptor interface 4h6h	Code ^c	d_1 ^d Ref	d_2 ^e Ref	d_3 ^f Ref	l_1 Ref	l_2 Ref	Mass g/piece max.	Lock- ring code ^f
0605	MJ6×1	MJ10×1	05	2,5	4,2	12,9	24,5	10,8	7	077
0806	MJ8×1	MJ12×1,25	06	4,4	5,0	14,7	27,7	12,8	9	098
1008	MJ10×1	MJ14×1,5	08	6,1	6,7	17,8	31,1	15,0	15	125
1210	MJ12×1,25	MJ16×1,5	10	7,7	8,7	19,5	31,9	15,0	18	136
1412	MJ14×1,5	MJ18×1,5	12	9,0	10,6	21,0	32,5	15,0	22	153
1614	MJ16×1,5	MJ20×1,5	14	10,7	11,4	22,6	33,4	15,2	26	170
1816	MJ18×1,5	MJ22×1,5	16	12,5	13,3	26,4	34,0	15,2	33	192
2018	MJ20×1,5	MJ24×1,5	18	14,2	15,3	28,0	35,5	15,0	38	214
2220	MJ22×1,5	MJ27×1,5	20	15,9	18,0	30,2	36,8	15,6	44	231
2422	MJ24×1,5	MJ30×1,5	22	17,6	20,8	33,7	37,6	15,6	50	253
2725	MJ27×1,5	MJ33×1,5	25	20,2	22,4	37,0	38,9	16,0	65	295
3028	MJ30×1,5	MJ36×1,5	28	22,8	25,6	40,7	39,9	16,0	77	320
3332	MJ33×1,5	MJ39×1,5	32	25,4	28,3	43,0	40,9	16,0	86	350

^a Corresponds to the thread diameter of port end and the code of thread diameter of union interface

^b According to ISO 5855-3

^c Corresponds to the pipe nominal outside diameter

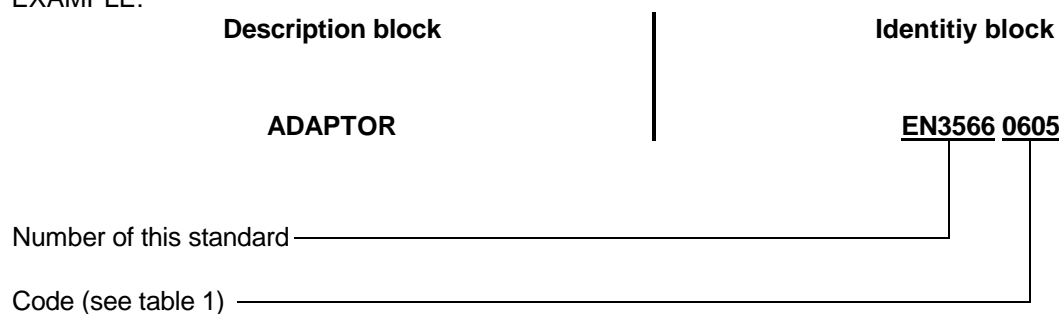
^d According to EN 2603

^e According to EN 2604

^f According to EN 2645

4 Designation

EXAMPLE:



NOTE: If necessary, the code I9005 shall be placed between the description block and the identity block.

EN 3566:2001 (E)

5 Marking

According to EN 2424, style G

6 Technical specification

According to EN 3079, type II

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 3566:2004](#)

<https://standards.iteh.ai/catalog/standards/sist/d9b58600-e9c5-4f90-87b5-396631dabb2a/sist-en-3566-2004>