

SLOVENSKI STANDARD
SIST EN 6126:2018**01-november-2018**

Aeronavtika - Končnik, notranji stožec 24°, zunanji navoj, nerobljen, velikost -32 premer cevi D=2 inches (D=50,8 mm), dodatna serija finih palčnih mer - Palčne mere - Standard za projektiranje

Aerospace series - Fitting end, 24° internal cone, external thread, flareless type, size -32 tube diameter D=2 inches (D=50,8 mm) extra fine thread pitch inch series - Inch series - Design standard

Luft- und Raumfahrt - Anschlussstück, Innenkonus 24°, Aussengewinde, nicht gebördelt, Größe -32 rohrdurchmesser D=2 inches (D=50,8 mm) Extrafeingewindesteigerung - Inch Reihe - Konstruktionsnorm

[SIST EN 6126:2018](https://standards.iteh.ai/catalog/standards/sist/78ba9834-9a28-49db-83a3-611262018)

Série aérospatiale - Raccord, cône interne à 24°, filetage externe, de type sans épanoui et dimension -32 diamètre du tube D=2 inches (D=50,8 mm) filetage à pas extra fin - Série en inches - Norme de conception

Ta slovenski standard je istoveten z: EN 6126:2018

ICS:

49.080

Letalski in vesoljski
hidravlični sistemi in deliAerospace fluid systems and
components**SIST EN 6126:2018****en,fr,de**

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EUROPEAN STANDARD

EN 6126

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2018

ICS 49.080

English Version

Aerospace series - Fitting end, 24° internal cone, external thread, flareless type, size -32 tube diameter D=2 inches (D=50,8 mm) extra fine thread pitch inch series - Inch series - Design standard

Série aérospatiale - Raccord, cône interne à 24°, filetage externe, de type sans épanoui et dimension -32 diamètre du tube D=2 inches (D=50,8 mm) filetage à pas extra fin - Série en inches - Norme de conception

Luft- und Raumfahrt - Anschlussstück, Innenkonus 24°, Außengewinde, nicht gebördelt, Größe -32, Rohrdurchmesser D=2 inches (D=50,8 mm) Extrafeingewindesteigung - Inch-Reihe - Konstruktionsnorm

This European Standard was approved by CEN on 22 January 2018.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 6126:2018) 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.

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 February 2019, and conflicting national standards shall be withdrawn at the latest by February 2019.

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

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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EN 6126:2018 (E)

1 Scope

This standard specifies the dimensions, tolerances and the required characteristics of a fitting end, 24° cone, external thread, flareless type, size –32 for use in hydraulic and fluid systems at 220 psi, diameter $D = 2$ inches ($D = 50,8$ mm) for aerospace applications.

This is a design standard, not valid for order.

This fitting can not be used for plug in union.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3161, *Aerospace — UNJ threads — General requirements and limit dimensions*

3 Requirements

3.1 Configuration, dimensions and tolerances

The configuration, dimensions and tolerances shall conform with Figure 1 to Figure 5, Table 1 and Table 2.

Dimensions and tolerances are expressed in inch (millimetres).

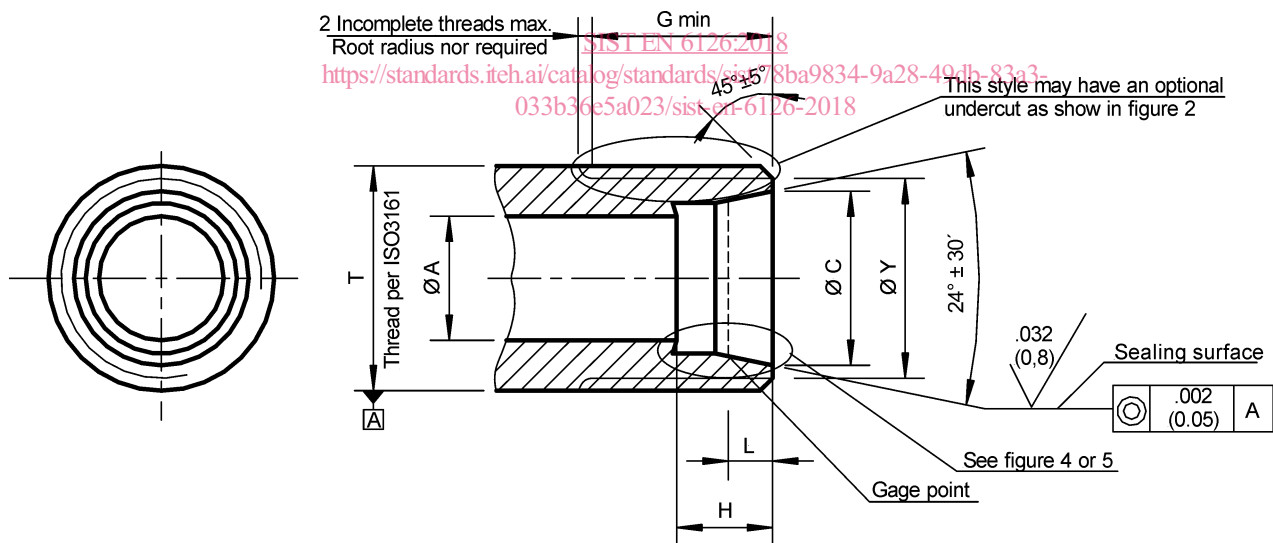


Figure 1 — Configuration, dimensions and tolerances of fitting end design, style G

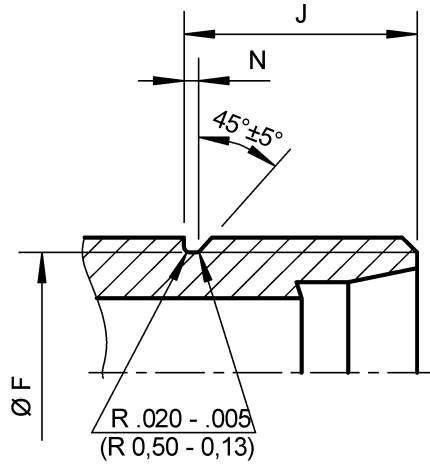


Figure 2 — Configuration, dimensions and tolerances of fitting end design, style B — Optional undercut (same as style G except as shown)

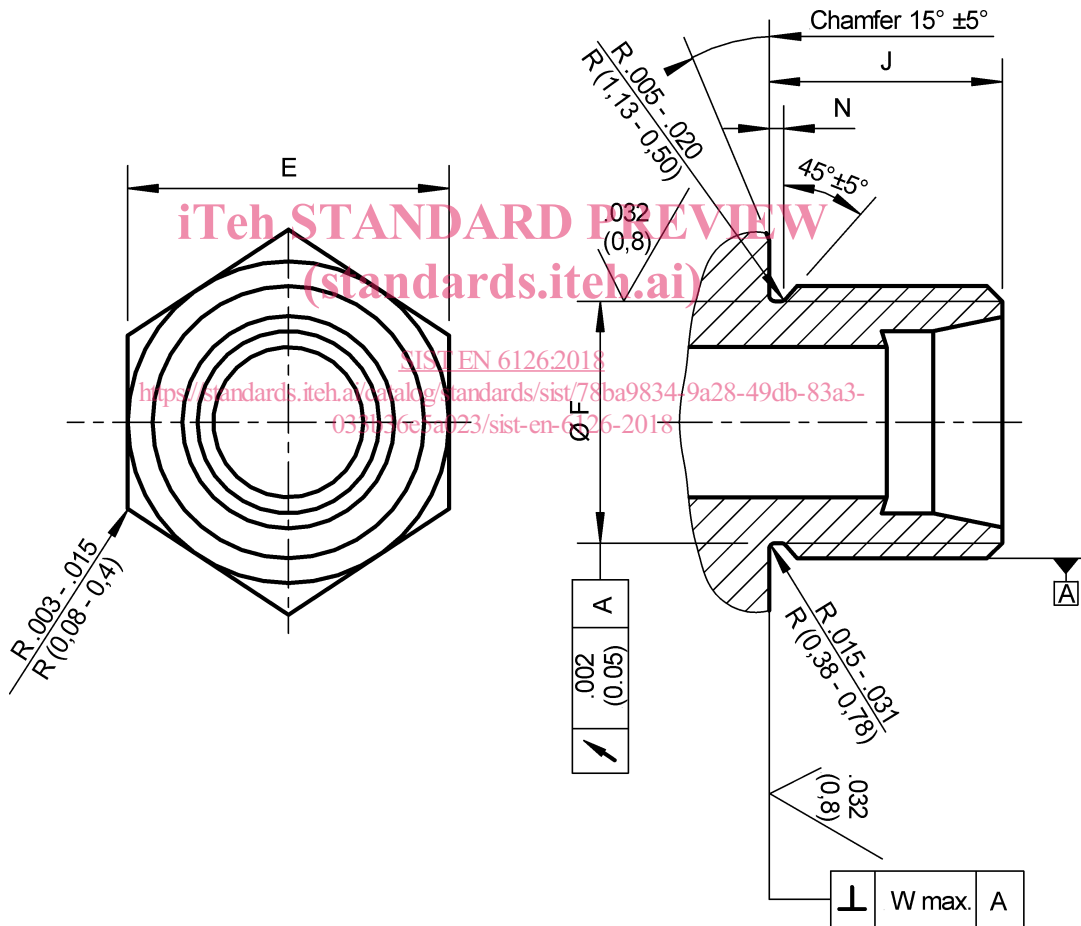


Figure 3 — Configuration, dimensions and tolerances of fitting end design, style E (same as style G except as shown)

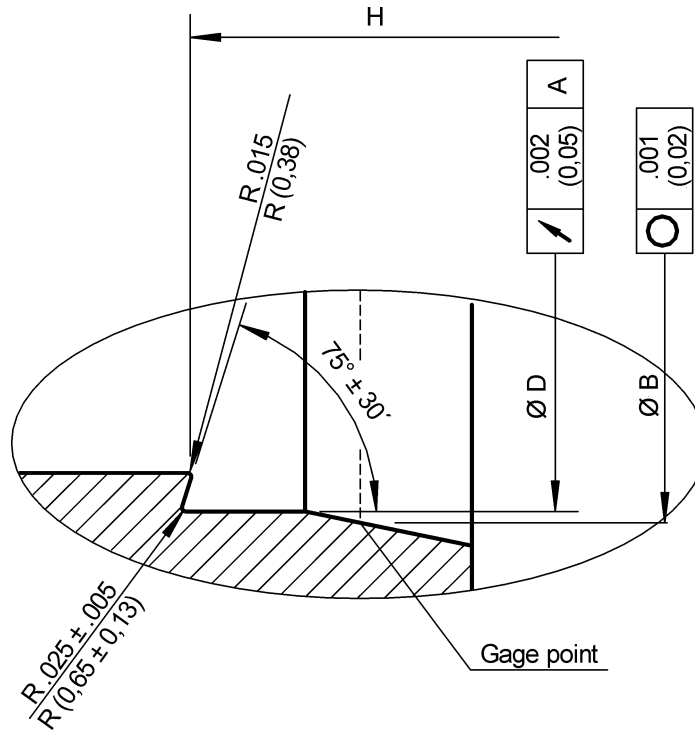


Figure 4 — Configuration, dimensions and tolerances of fitting end design

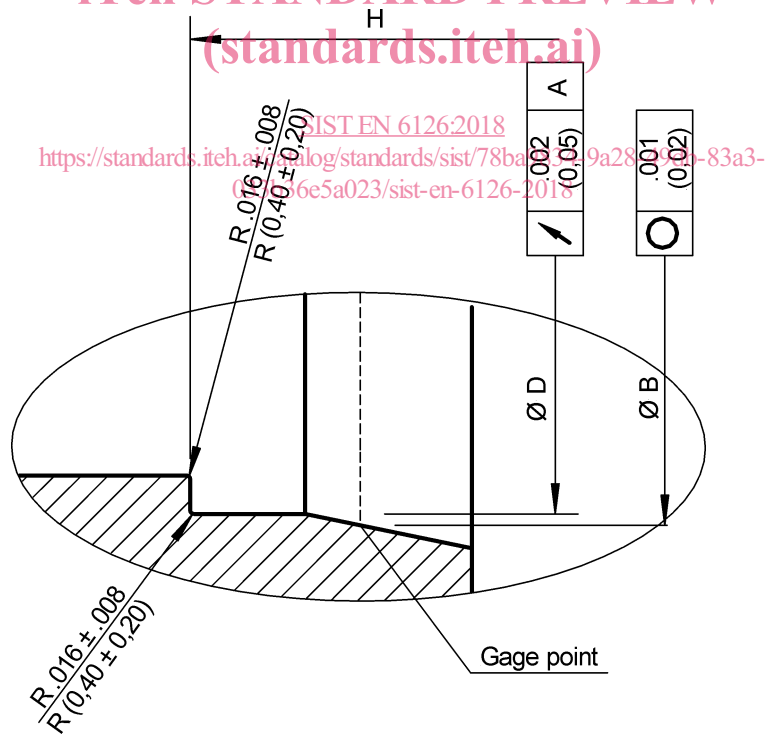


Figure 5 — Configuration, dimensions and tolerances of fitting end design, optional style F

Table 1 — Dimensions and tolerances

Diameter code No.	T Thread class 3A	$\varnothing A$	$\varnothing B$	$\varnothing C$	$\varnothing D$	$\varnothing F$	G
		+0.03 ($\pm 0,08$)	Gage	Ref.	+0.04 0 (+0,10) (0)	+0.04 -0.03 (+0,10) (-0,08)	min
32	2.5000-16UNJ	1.813 (46,05)	2.0680 (52,527)	2.108 (53,54)	2.022 (51,36)	2.407 (61,14)	.678 (17,22)

Diameter code No.	H	J	L	N	W	$\varnothing Y$
	± 0.03 ($\pm 0,08$)	± 0.10 ($\pm 0,25$)	± 0.02 ($\pm 0,05$)	+0.15 0 +0.38 (0)	max.	± 0.10 ($\pm 0,25$)
32	.485 (12,32)	.688 (17,48)	.090 (2,29)	.125 (3,18)	.003 (0,076)	2.406 (61,11)

Table 2 — Wrench pad dimensions

Size	Tol.		Wrench inch
	inch	mm	
38	2.375	60,33	2" 3/8
39	2.438	61,93	2" 7/16
40	2.500	63,50	2" 1/2
41	2.563	65,10	2" 9/16
42	2.625	66,68	2" 5/8
43	2.688	68,28	2" 11/16
44	2.750	69,85	2" 3/4
45	2.813	71,45	2" 13/16
46	2.875	73,03	2" 7/8