



SLOVENSKI STANDARD

SIST EN 6123:2016

01-maj-2016

Aeronavtika - Končnik, 24°-notranji stožec, zunanji navoji, nerobljen - Palčne mere
- Standard za projektiranje

Aerospace series - Fitting end, 24° internal cone, external thread, flareless type - Inch series - Design standard

Luft- und Raumfahrt - Endstück, Innenkonus 24°, Aussengewinde, nicht gebördelt - Extrafeingewindesteigung - Inch-Reihe - Konstruktionsnorm

Série aérospatiale - Raccord, cône interne à 24° - filetage externe, de type sans épanoui - Filetage à pas extra fin - Série inch - Norme de conception

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Ta slovenski standard je istoveten z: EN 6123:2016

ICS:

49.080

Letalski in vesoljski
hidravlični sistemi in deli

Aerospace fluid systems and
components

SIST EN 6123:2016

en,fr,de

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EUROPEAN STANDARD

EN 6123

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2016

ICS 49.080

English Version

Aerospace series - Fitting end, 24° internal cone, external thread, flareless type - Extra fine thread pitch - Inch series - Design standard

Série aérospatiale - Raccord, cône interne à 24°, filetage externe, de type sans épanoui - Filetage à pas extra fin - Série inch - Norme de conception

Luft- und Raumfahrt - Endstück, Innenkonus 24°, Außengewinde, nicht gebördelt - Extrafeingewindesteigung - Inch-Reihe - Konstruktionsnorm

This European Standard was approved by CEN on 27 September 2015.

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, 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: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 6123:2016) 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 European 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 September 2016, and conflicting national standards shall be withdrawn at the latest by September 2016.

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.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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EN 6123:2016 (E)**1 Scope**

This European Standard specifies the dimensions, tolerances and the required characteristics of a fitting end, 24° cone, external thread, flareless type, size -04 up to -20 for use in hydraulic and fluid systems at 5 080 psi, diameter $1/4 \text{ inch} \leq D \leq 1 1/4 \text{ inch}$ ($6,35 \text{ mm} \leq D \leq 31,75 \text{ mm}$) for aerospace applications.

This is a design standard.

This fitting end cannot 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*

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3 Required characteristics

3.1 Configuration, dimensions and tolerances

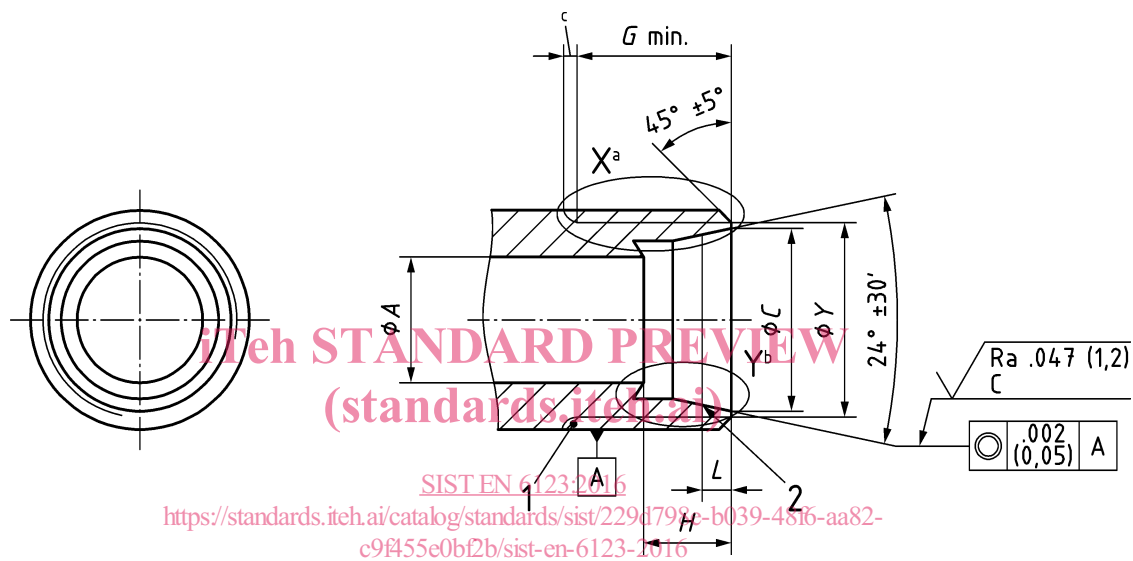
The configuration, dimensions and tolerances shall conform with Figure 1 to Figure 5, Table 1 and Table 2.

Dimensions and tolerances are expressed in inch (millimetres).

Unless otherwise specified, the following tolerances are applicable:

Linear dimensions: $\pm .010$ ($\pm 0,25$)

Angular dimensions: $\pm 0^{\circ}30'$



Key

- 1 Thread T (as per ISO 3161)
- 2 Gage point, see Figure 4 or Figure 5
- a This style may have an optional undercut as shown in Figure 2.
- b Sealing surface
- c 2 incomplete threads max., root radius not required

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

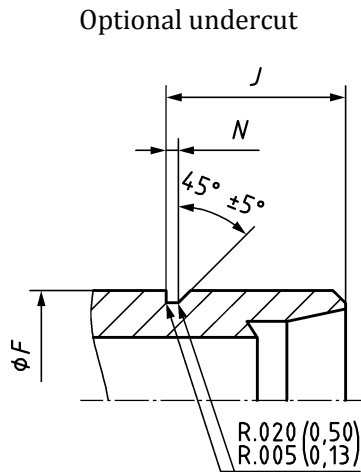
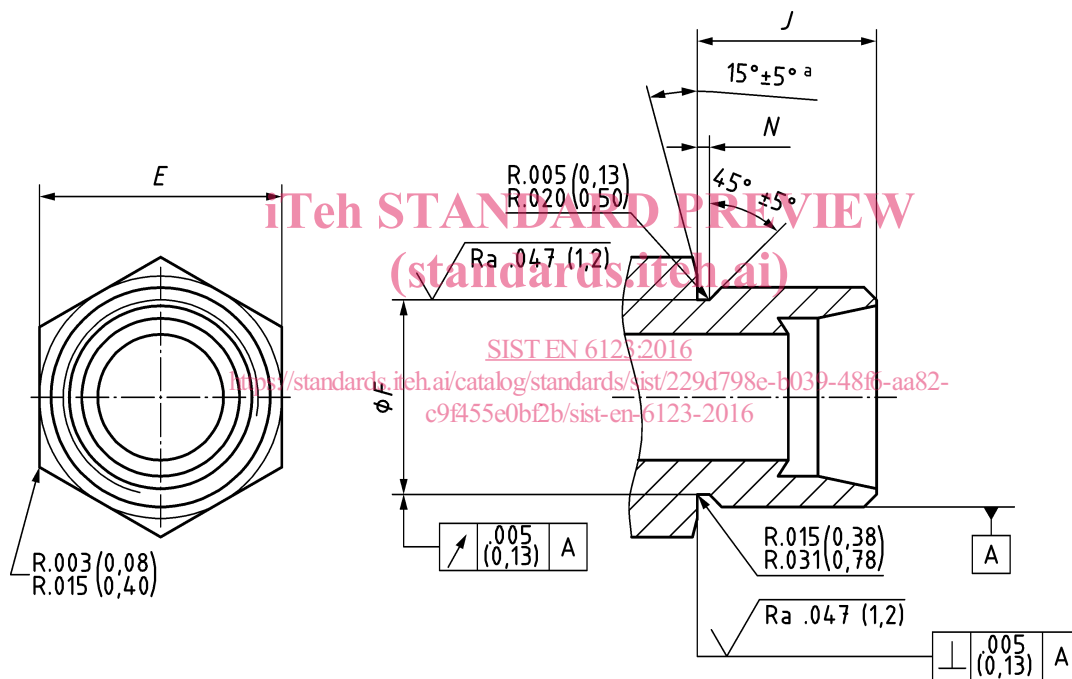


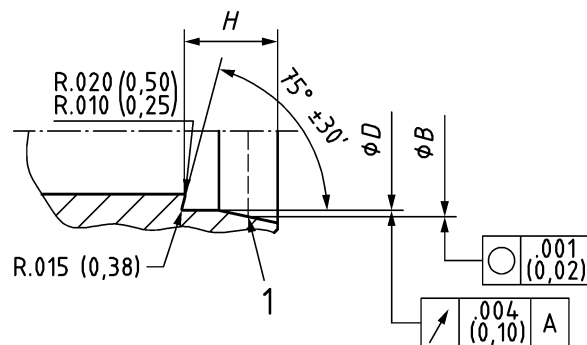
Figure 2 — Configuration, dimensions and tolerances of fitting end design, style B (same as style G except as shown)



Key

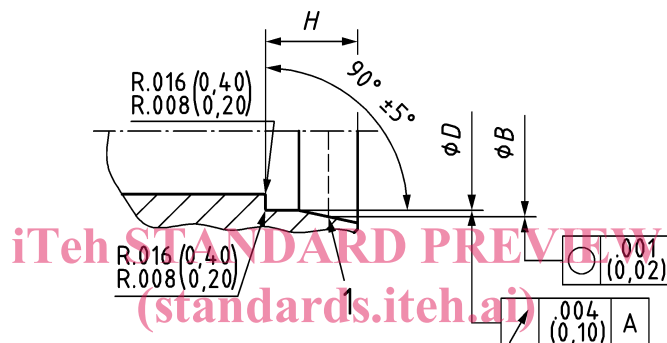
- a Chamfer

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

**Key**

- 1 Gage point

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

**Key**

- 1 Gage point

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