

SLOVENSKI STANDARD

SIST EN 3545-006:2015

01-junij-2015

Nadomešča:

SIST EN 3545-006:2009

Aeronavtika - Konektorji, električni, pravokotni, s tesnilno kapo ali brez nje, plastično ohišje, zaporni mehanizem, delovna temperatura med -55 °C in 175 °C - 006. del: Zatič in sistem za pritrditev na nepremično ohišje (vtičnica) - Standard za proizvod

Aerospace series - Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures -55 °C to 175 °C - Part 006: Male coding and attachment System for mounting on fixed housing (receptacle) - Product standard

Luft- und Raumfahrt - Elektrische Rechtecksteckverbinder mit und ohne hintere Abdichtung, Plastikgehäuse, Verriegelungssystem, Betriebstemperaturen von -55 °C bis 175 °C - Teil 006: Stiftkodierung und Befestigungszubehör für ein festes Gehäuse (Steckdose) - Produktnorm

Série aérospatiale - Connecteurs électriques, rectangulaires, étanches et non étanches à l'arrière, à boîtier en plastique, à verrouillage, températures d'utilisation -55 °C à 175 °C - Partie 006: Système de fixation et de codage mâle pour montage sur boîtier fixe (embase) - Norme de produit

Ta slovenski standard je istoveten z: EN 3545-006:2015

ICS:

49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems
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SIST EN 3545-006:2015

en,fr,de

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EUROPEAN STANDARD

EN 3545-006

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2015

ICS 49.060

Supersedes EN 3545-006:2006

English Version

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This European Standard was approved by CEN on 22 November 2014.

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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Foreword

This document (EN 3545-006:2015) 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 October 2015, and conflicting national standards shall be withdrawn at the latest by October 2015.

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.

This document supersedes EN 3545-006:2006.

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 3545-006:2015 (E)**1 Scope**

This European Standard specifies the male coding and attachment system for mounting on fixed housing in the family of rectangular electrical connectors with sealed and non-sealed rear, plastic housing, locking device, for operating temperatures from $-55\text{ }^{\circ}\text{C}$ to $175\text{ }^{\circ}\text{C}$.

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.

EN 3545-001, *Aerospace series — Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures $-55\text{ }^{\circ}\text{C}$ to $175\text{ }^{\circ}\text{C}$ — Part 001: Technical specification*

EN 3545-002, *Aerospace series — Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures $-55\text{ }^{\circ}\text{C}$ to $175\text{ }^{\circ}\text{C}$ — Part 002: Specification of performance and contact arrangements*

FED-STD-H28/2A:1978, *Screw thread standards for federal services* ¹⁾

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 3545-001 apply.

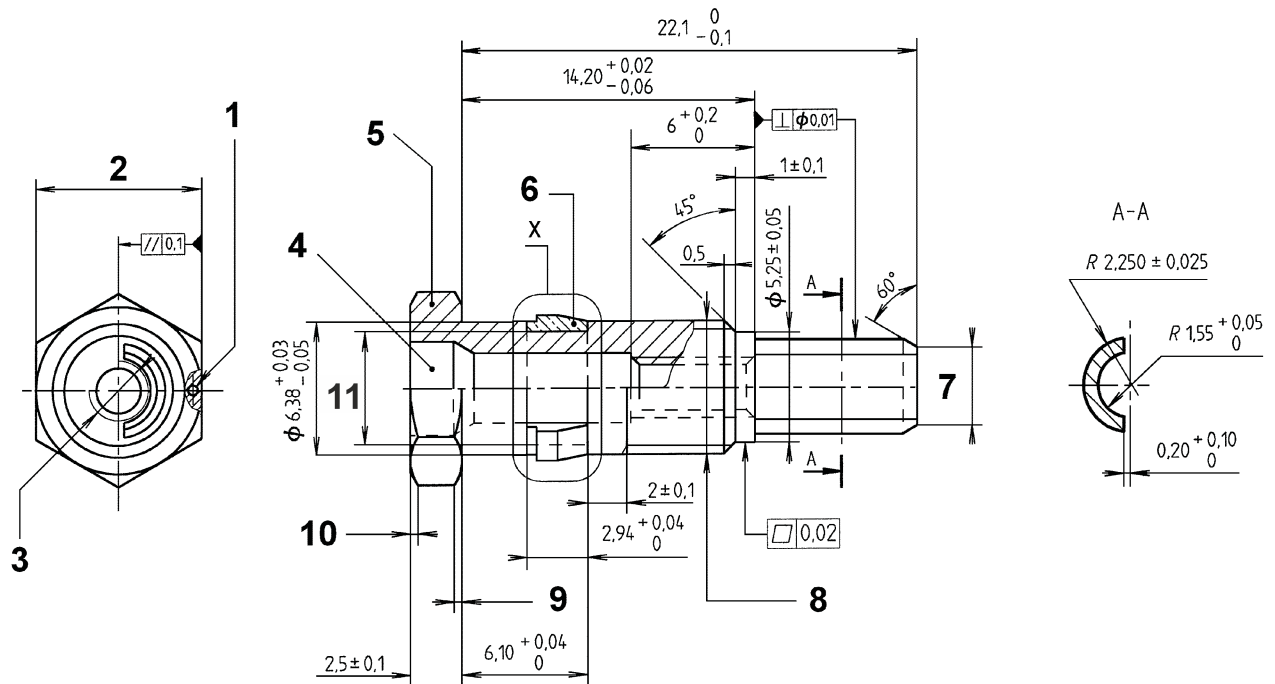
4 Required characteristics**4.1 Dimensions, mass**

The dimensions of attachment system are given in Figures 1, 2 and 3.

Dimensions and tolerances are in millimetres.

Mass: 6 g max.

¹⁾ Published by: DoD National (US) Mil. Department of Defense (<http://www.defenselink.mil/>).



Key

1 Position indicator (recessed circle)

2 6 flats $8,0^{+0,05}_{-0,10}$

3 $\varnothing 0.1120$ inch - 40 UNC-3B according to FED-STD-H28

4 Relieved

5 Male body

6 Retaining ring

7 Chamfer $\varnothing 3,5^{+0,2}_0$

8 $\varnothing 0.2500$ inch - 28 UNF-3A according to FED-STD-H28

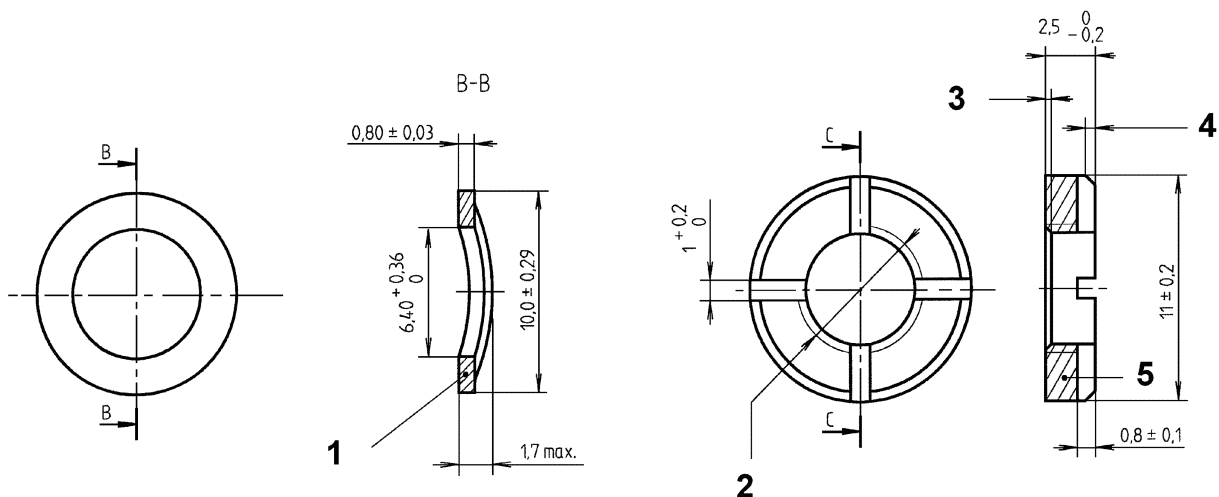
9 0,3 to 0,4 at 30°

10 0,3 to 0,4 at 30°

11 $\varnothing 5,40^{+0,05}_0$ (Groove)

X see Figure 3

Figure 1 — Male coding and attachment system



Key

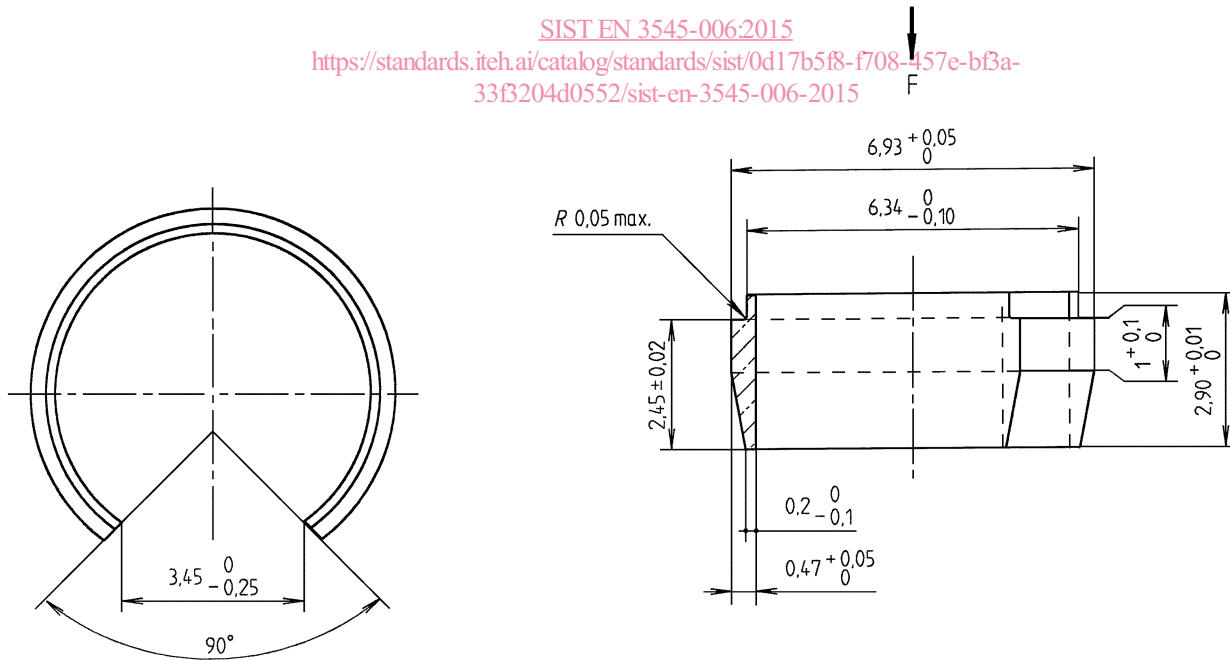
- 1 Washer with two corrugations in dichromate-sealed cadmium plated steel
- 2 Ø 0.2500 inch - 28 UNF-3B according to FED-STD-H28
- 3 0,3 at 45°
- 4 0,5 at 45°
- 5 Nut

Washer and nut are fitted on the male body

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Figure 2 — Washer and nut

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⊙ ∅ 0,025

General concentricity
View on F

Retaining ring
Detail X

Figure 3 — Retaining ring