
Aeronavtika - Konektor, optil'ni, okrogli, enokanalni, priključen s samozaklepnim obroščkom, stalna delovna temperatura do 150 °C - 007. del: Kapica (optil'ni kontakt) za EN 4532 (vlakno 200 µm/280 µm) - Standard za proizvod

Aerospace series - Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C Continuous - Part 007: Ferrule (optical contact) for EN 4532 (200 µm/280 µm fibre) - Product standard

Luft- und Raumfahrt - Optischer Rundsteckverbinder einpolig Schraubkupplung, Betriebstemperatur 150 °C konstant - Teil 007: Druckhülse (optischer Kontakt) für Kabel nach EN 4532 (200 µm/280 µm fiber) - Produktnorm

Série aérospatiale - Connecteur optique circulaire monovoie, à accouplement par bague fileté, température d'utilisation 150 °C continu - Partie 007 : Ferrule (contact optique) pour câble EN 4532 (fibre 200 µm/280 µm) - Norme de produit

Ta slovenski standard je istoveten z: EN 3733-007:2007

ICS:

49.060

SIST EN 3733-007:2008

en

iTeh STANDARD PREVIEW **(standards.iteh.ai)**

SIST EN 3733-007:2008

<https://standards.iteh.ai/catalog/standards/sist/5441690e-8725-4f26-97dd-1bf8d39be78d/sist-en-3733-007-2008>

English Version

Aerospace series - Connector, optical, circular, single channel,
coupled by self-locking ring, operating temperature up to 150 °C
continuous - Part 007: Ferrule (optical contact) for EN 4532 (200
µm/280 µm fibre) - Product standard

Série aérospatiale - Connecteur optique circulaire
monovoie, à accouplement par bague filetée, température
d'utilisation 150 °C continu - Partie 007 : Ferrule (contact
optique) pour câble EN 4532 (fibre 200 µm/280 µm) -
Norme de produit

Luft- und Raumfahrt - Optischer Rundsteckverbinder
einpölig Schraubkupplung, Betriebstemperatur 150 °C
konstant - Teil 007: Druckhülse (optischer Kontakt) für
Kabel nach EN 4532 (200 µm/280 µm fiber) - Produktnorm

This European Standard was approved by CEN on 19 May 2006.

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 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 Management Centre has the same status as the official versions.

<https://standards.iteh.ai/catalog/standards/sist/5441690e-8725-4f26-97dd-8733-007200720072>

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



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents		Page
Foreword.....		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	Required characteristics	5
5	Designation	6
6	Marking	6
7	Technical specification	6

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 3733-007:2008
<https://standards.iteh.ai/catalog/standards/sist/5441690e-8725-4f26-97dd-1bf8d39be78d/sist-en-3733-007-2008>

Foreword

This document (EN 3733-007:2007) 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 June 2008, and conflicting national standards shall be withdrawn at the latest by June 2008.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

ITEH STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 3733-007:2008

<https://standards.iteh.ai/catalog/standards/sist/5441690e-8725-4f26-97dd-1bf8d39be78d/sist-en-3733-007-2008>

1 Scope

This standard specifies the characteristics of ferrules (optical contacts) for aerospace series single core optical fibre as incorporated in EN 4532, operating temperature up to 150 °C.

Connector interface dimensions, table of tests and qualification approval requirements, are contained in the Technical Specification EN 3733-001. EN 3733-002, List of product standards, includes the listings of product types, codification and applicable combinations of product types.

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.

EN 2591-100, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 100: General.*

EN 3733-001, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 001: Technical specification.*

EN 3733-002, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 002: List of product standards.*

EN 3733-003, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 003: Plug connector for cable to EN 4532 — Product standard.*

EN 3733-004, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 004: Receptacle, connector, four hole fixing for cable to EN 4532 — Product standard.*

EN 3733-005, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 005: Receptacle, connector, two hole fixing cable according to EN 4532, product standard.*

EN 3733-006, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 006: Receptacle, connector, jam nut fixing for cable according to EN 4532, product standard.*

EN 3733-008, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 008: Plug sub-assembly for cable to EN 4532 (200 µm/280 µm fibre) — Product standard.*

EN 3733-009, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 009: Receptacle sub-assembly for cable to EN 4532 (200 µm/280 µm fibre) — Product standard.*

EN 4532, *Aerospace series — Cables, optical, single core 200 µm/280 µm fibre, 2,5 mm outer jacket — Technical specification.* ¹⁾

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

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 2591-100 and the following apply.

3.1

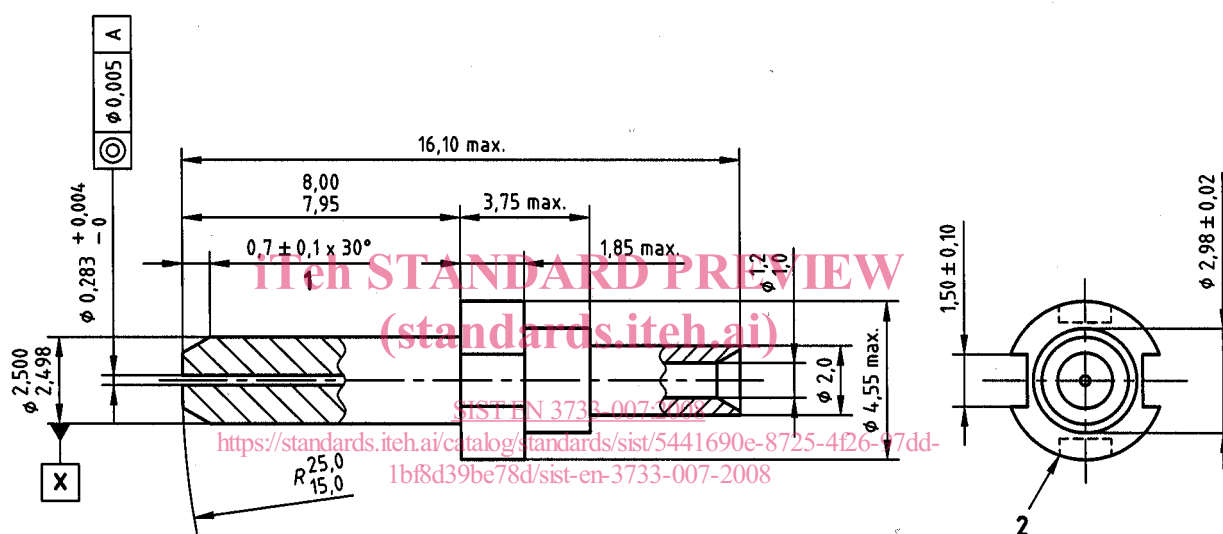
ferrule (optical contact)

optical contact assembly comprising an alignment component (terminating the fibre) together with a component for providing fibre buffer support and location within the connector

4 Required characteristics

4.1 Dimensions and mass

Dimensions (in millimetres) shall be as shown in Figure 1.



Key

- 1 Chamfer
- 2 4 keyways permissible

Figure 1

Mass: 0,7 g max.

4.2 Materials

Zirconia ceramic, nickel-copper alloy body.

4.3 Application combinations

This component is supplied as an integral part of products conforming to product standards EN 3733-003 to EN 3733-006, EN 3733-008 and EN 3733-009.

5 Designation

EXAMPLE

Description block	Identity block
FERRULE, FIBRE OPTIC	EN3733-007

Number of the basic standard

Product standard (see EN 3733-002)

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

6 Marking

Not applicable.

7 Technical specification

This component is qualified as part of a complete connector assembly when tested to the qualification requirements of EN 3733-001 and the applicable product standards.

[SIST EN 3733-007:2008](https://standards.iteh.ai/catalog/standards/sist/5441690e-8725-4f26-97dd-1bf8d39be78d/sist-en-3733-007-2008)
<https://standards.iteh.ai/catalog/standards/sist/5441690e-8725-4f26-97dd-1bf8d39be78d/sist-en-3733-007-2008>