

# SVENSK STANDARD

## SS-EN 3733-007:2007

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**Aerospace series – Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 oC continuous –**

**Part 007: Ferrule (optical contact) for EN 4532 (200 um/280 um fibre) – Product standard**



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# Hitta rätt produkt och ett leveranssätt som passar dig

## Standarder

Genom att följa gällande standard både effektiviserar och säkrar du ditt arbete. Många standarder ingår dessutom ofta i paket.

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Abonnemang är tjänsten där vi uppdaterar dig med aktuella standarder när förändringar sker på dem du valt att abonnera på. På så sätt är du säker på att du alltid arbetar efter rätt utgåva.

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Europastandarden EN 3733-007:2007 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 3733-007:2007.

The European Standard EN 3733-007:2007 has the status of a Swedish Standard. This document contains the official English version of EN 3733-007:2007.

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EUROPEAN STANDARD

**EN 3733-007**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2007

ICS 49.060

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.

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## 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.

## 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.* <sup>1)</sup>

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