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Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-33: Examinations and measurements - Withdrawal force from a resilient alignment sleeve using pin gauges

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/22

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EN IEC 61300-3-33

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2022

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Supersedes EN 61300-3-33:2012 and all of its
amendments and corrigenda (if any)

English Version

**Fibre optic interconnecting devices and passive components -
Basic test and measurement procedures - Part 3-33:
Examinations and measurements - Withdrawal force from a
resilient alignment sleeve using pin gauges
(IEC 61300-3-33:2022)**

Dispositifs d'interconnexion et composants passifs
fibroniques - Procédures fondamentales d'essais et de
mesures - Partie 3-33: Examens et mesures - Force
d'extraction d'un manchon d'alignement élastique, avec
utilisation de calibres de broches
(IEC 61300-3-33:2022)

Lichtwellenleiter - Verbindungselemente und passive
Bauteile - Grundlegende Prüf- und Messverfahren - Teil 3-
33: Untersuchungen und Messungen - Ausziehkraft aus
einer verformbaren Zentrierhülse unter Verwendung von
Stiftleeren
(IEC 61300-3-33:2022)

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EN IEC 61300-3-33:2022 (E)**European foreword**

The text of document 86B/4559/FDIS, future edition 3 of IEC 61300-3-33, prepared by SC 86B "Fibre optic interconnecting devices and passive components" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61300-3-33:2022.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61300-1	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance	EN 61300-1	-
IEC 61754	series	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces	EN 61754	series



IEC 61300-3-33

Edition 3.0 2022-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –
Part 3-33: Examinations and measurements – Withdrawal force from a resilient alignment sleeve using pin gauges**

**Dispositifs d'interconnexion et composants passifs fibroniques – Procédures fondamentales d'essais et de mesures –
Partie 3-33: Examens et mesures – Force d'extraction d'un manchon d'alignement élastique, avec utilisation de calibres de broches**





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IEC 61300-3-33

Edition 3.0 2022-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –
Part 3-33: Examinations and measurements – Withdrawal force from a resilient alignment sleeve using pin gauges**

**Dispositifs d'interconnexion et composants passifs fibroniques – Procédures fondamentales d'essais et de mesures –
Partie 3-33: Examens et mesures – Force d'extraction d'un manchon d'alignement élastique, avec utilisation de calibres de broches**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING
DEVICES AND PASSIVE COMPONENTS –
BASIC TEST AND MEASUREMENT PROCEDURES –****Part 3-33: Examinations and measurements –
Withdrawal force from a resilient alignment sleeve using pin gauges**

FOREWORD

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IEC 61300-3-33 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics. It is an International Standard.

This third edition cancels and replaces the second edition published in 2012. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) harmonize "gauge pin" to "pin gauge";
- b) update test apparatus in Figure 1;
- c) change of clause structure;
- d) specified pin gauge requirements in Table 1.

The text of this International Standard is based on the following documents:

Draft	Report on voting
86B/4559/FDIS	86B/4583/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

A list of all parts in the IEC 61300 series, published under the general title *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures*, can be found on the IEC website.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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- withdrawn,
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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – BASIC TEST AND MEASUREMENT PROCEDURES –

Part 3-33: Examinations and measurements – Withdrawal force from a resilient alignment sleeve using pin gauges

1 Scope

This part of IEC 61300 describes the procedure to measure the withdrawal force between the pin gauge and the resilient alignment sleeve. This measurement procedure is applicable to single-fibre cylindrical ferrule optical connectors.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 61300-1, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 1: General and guidance*

IEC 61754 (all parts), *Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces*

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