



**SLOVENSKI STANDARD**  
**SIST EN IEC 60793-1-45:2024**

**01-julij-2024**

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**Optična vlakna - 1-45. del: Merilne metode in postopki preskušanja - Premer osnovnega rodu**

Optical fibres - Part 1-45: Measurement methods and test procedures - Mode field diameter

Lichtwellenleiter - Teil 1-45: Messmethoden und Prüfverfahren - Modenfelddurchmesser

Fibres optiques - Partie 1-45 : Méthodes de mesure et procédures d'essai - Diamètre du champ de mode

**Ta slovenski standard je istoveten z: EN IEC 60793-1-45:2024**

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**Optical fibres - Part 1-45: Measurement methods and test  
procedures - Mode field diameter  
(IEC 60793-1-45:2024)**

Fibres optiques - Partie 1-45 : Méthodes de mesure et  
procédures d'essai - Diamètre du champ de mode  
(IEC 60793-1-45:2024)

Lichtwellenleiter - Teil 1-45: Messmethoden und  
Prüfverfahren - Modenfelddurchmesser  
(IEC 60793-1-45:2024)

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## EN IEC 60793-1-45:2024 (E)

### European foreword

The text of document 86A/2300/CDV, future edition 3 of IEC 60793-1-45, prepared by SC 86A "Fibres and cables" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60793-1-45:2024.

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IEC 60793-2 NOTE Approved as EN IEC 60793-2

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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.

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.cencenelec.eu](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Optical fibres –**

**Part 1-45: Measurement methods and test procedures – Mode field diameter**

**Fibres optiques –**

**Partie 1-45 : Méthodes de mesure et procédures d'essai – Diamètre du champ de mode**

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## OPTICAL FIBRES –

**Part 1-45: Measurement methods and test procedures –  
Mode field diameter**

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IEC 60793-1-45 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics. It is an International Standard.

This third edition cancels and replaces the second edition published in 2017. This edition constitutes a technical revision.

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

- a) Modification of the minimum distance between the fibre end and the detector for the direct far field scan (Annex A).
- b) Generalization of the requirement for the minimum dynamic range for all fibre types (Annex A).