



# SLOVENSKI STANDARD

## SIST EN 60153-4:2018

01-februar-2018

Nadomešča:  
SIST HD 123.4 S1:2002

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**Votli kovinski valovodi - 4. del: Ustrezne specifikacije za krožne valovode (IEC 60153-4:2017)**

Hollow metallic waveguides - Part 4: Relevant specifications for circular waveguides (IEC 60153-4:2017)

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**Ta slovenski standard je istoveten z: EN 60153-4:2017**

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**ICS:**

33.120.10      Koaksialni kabli. Valovodi      Coaxial cables. Waveguides

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EUROPEAN STANDARD

**EN 60153-4**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2017

ICS 33.120.10

Supersedes HD 123.4 S1:1977

English Version

## Hollow metallic waveguides - Part 4: Relevant specifications for circular waveguides (IEC 60153-4:2017)

Guides d'ondes métalliques creux - Partie 4: Spécifications applicables aux guides d'ondes circulaires  
(IEC 60153-4:2017)

Metallische Hohlleiter - Teil 4: Einzelbestimmungen für Rundhohlleiter  
(IEC 60153-4:2017)

This European Standard was approved by CENELEC on 2017-09-20. CENELEC 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 CENELEC 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 CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN 60153-4:2017 (E)****European foreword**

The text of document 46F/344/CDV, future edition 3 of IEC 60153-4, prepared by SC 46F "RF and microwave passive components", of IEC/TC 46 "Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60153-4:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-06-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-09-20

This document supersedes HD 123.4 S1:1977.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

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**Endorsement notice**

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The text of the International Standard IEC 60153-4:2017 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60153-1:2016	NOTE	Harmonized in EN 60153-1:2016.
ISO/IEC 17025:2005	NOTE	Harmonized as EN ISO/IEC 17025:2005.

## Annex ZA (normative)

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

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.

NOTE 1 When 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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-726	1982	International electrotechnical vocabulary - Chapter 726: Transmission lines and waveguides	-	-
IEC 60261	-	Sealing test for pressurized waveguide tubing and assemblies	HD 138 S2	-

SIST EN 60153-4:2018

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IEC 60153-4

Edition 3.0 2017-08

# INTERNATIONAL STANDARD



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**Hollow metallic waveguides –  
Part 4: Relevant specifications for circular waveguides**

**STANDARD PREVIEW**  
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INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**HOLLOW METALLIC WAVEGUIDES –****Part 4: Relevant specifications for circular waveguides****FOREWORD**

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International Standard IEC 60153-4 has been prepared by subcommittee 46F: RF and microwave passive components, of IEC technical committee TC:46: Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories.

This third edition cancels and replaces the second edition published in 1973-1. This edition constitutes a technical revision.

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

- a) Expand and revise the operation frequency range for waveguides;
- b) Revise the allowance of aperture dimensions;
- c) Revise the test method for aperture dimensions;
- d) Revise the equation of attenuation.