
Hollow metallic waveguides - Part 4: Relevant specifications for circular waveguides

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Hollow metallic waveguides
Part 4: Relevant specifications for circular
waveguides

Guides d'ondes métalliques creux
Quatrième partie: Spécifications
particulières pour les guides
d'ondes circulaires

Metallische Hohlleiter
Teil 4: Allgemeine Empfehlungen
für Rundhohlleiter

RD: IEC 153-4 (1973) ed 2; IEC/SC 46B (not appended)

The Harmonization Document consists of the following:

- Title Page **ITC STANDARD PREVIEW**
(standards.iteh.ai) Related to Directive: -

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date of ratification : 1975-10-08
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List of national deviations

LIST OF NATIONAL STANDARDS IS GIVEN OVERLEAF

AT : NOS

BE : NOS

CH : SEV/ASE 3070.1966

DE : DIN 47 302 Teil 2/03.80; DIN 47 302 Teil 10/02.79

DK : NOS

ES : NOS

FI : NOS

FR : NOS

GB : BS 9220 N004 Amended to 1971, Amdt 1 : 1968, Amdt 2 : 1971

GR : NOS

IE : NOS

IT : CEI 46-2 (1970)

LU : NOS

NL : NEN 10 153-4 (1969)

NO : NOS

PT : NOS

SE : SEN 43 02 01 (1968); SEN 43 02 04 (1969); <https://standards.iteh.ai/catalog/standards/sist/40023450-228d-47cf-ae80-5719cd407634/sist-hd-123-4-s1-2002>

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HOLLOW METALLIC WAVEGUIDES

Part 4: Relevant specifications for circular waveguides

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendations and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

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PREFACE

This publication was prepared by Sub-Committee 46B, Waveguides and their Accessories, of Technical Committee No. 46, Cables, Wires and Waveguides for Telecommunication Equipment.

It contains Part 4: Relevant Specifications for Circular Waveguides, of the complete IEC recommendation for hollow metallic waveguides, and it is intended to be used in conjunction with Part 1, General Requirements and Measuring Methods, which is issued as IEC Publication 153-1.

Detail specifications for other types of waveguide are issued in companion publications.

The amendments and supplements contained in this second edition of Publication 153-4 have been approved in several Six Months' Rule documents.

The amendments to Table Ia were discussed at meetings in Baden-Baden in June 1965, in London in September 1968 and in The Hague in November 1970. The resulting drafts were submitted to the National Committees for approval under the Six Months' Rule as follows:

- Document 46B(Central Office)25, circulated in November 1965
- Document 46B(Central Office)46, circulated in September 1969
- Document 46B(Central Office)49, circulated in April 1971.

It should be noted that the upper and lower deviations may have like signs, unlike signs or either deviation may be zero. This permits the basic sizes of mating shafts and holes to be identical.

The older concept of plus tolerances and minus tolerances has an undesirable limitation, in that the basic sizes of mating shafts and holes cannot be identical for clearance fits.

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