

Dimensions of pot-cores made of magnetic oxides and associated parts

The European Standard EN 60133:2001 has the status of a
British Standard

ICS 29.100.10

National foreword

This British Standard is the official English language version of EN 60133:2001. It is identical with IEC 60133:2000. It supersedes BS 4061-1:1987(1997) which will be withdrawn on 2004-01-01.

The UK participation in its preparation was entrusted to Technical Committee EPL/51, Transformers, Inductors, Magnetic components and ferrite materials, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Cross-references

Attention is drawn to the fact that CEN and CENELEC Standards normally include an annex which lists normative references to international publications with their corresponding European publications. The British Standards which implement these international or European publications may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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This British Standard, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 June 2001

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 14, an inside back cover and a back cover.

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English version

**Dimensions of pot-cores made of magnetic oxides
and associated parts
(IEC 60133:2000)**

Dimensions des circuits magnétiques
en pots en oxydes magnétiques
et pièces associées
(CEI 60133:2000)

Schalenkerne aus magnetischen Oxiden -
Maße und Zubehör
(IEC 60133:2000)

This European Standard was approved by CENELEC on 2001-01-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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CENELEC

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

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Foreword

The text of document 51/570/FDIS, future edition 4 of IEC 60133, prepared by IEC TC 51, Magnetic components and ferrite materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60133 on 2001-01-01.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2001-10-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2004-01-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annex ZA is normative and annexes A, B and C are informative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60133:2000 was approved by CENELEC as a European Standard without any modification.

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DIMENSIONS OF POT-CORES MADE OF MAGNETIC OXIDES AND ASSOCIATED PARTS

1 Scope

This standard specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of pot-cores made of magnetic oxides, and the dimensional limits for coil formers to be used with them. The general considerations upon which the design of this range of cores is based are given in annex A.

2 Normative reference

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60205, *Calculation of effective parameters of magnetic piece parts*

3 Primary standards

Compliance with the following requirements ensures mechanical interchangeability of complete assemblies and coil formers.

3.1 Dimensions of pot-cores

3.1.1 Principal dimensions

The principal dimensions of pot-cores shall be as given in table 1.

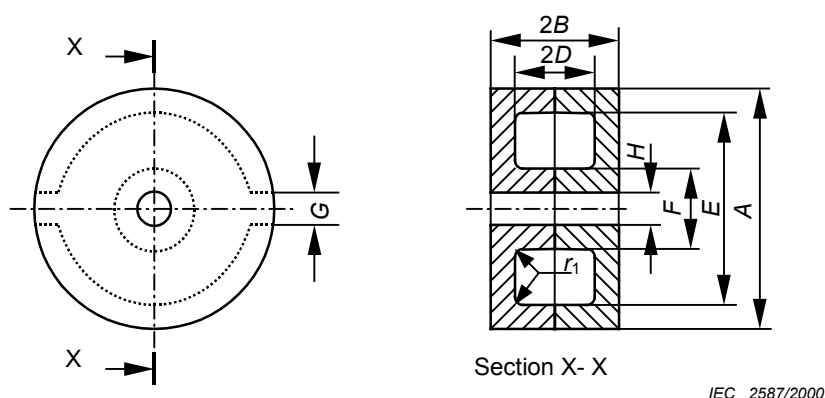


Figure 1 – Principal dimensions of pot-cores without slots