

Ferrite cores - Dimensions - Part 2: Pot-cores for use in telecommunications, power supply, and filter applications

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English version

**Ferrite cores -
Dimensions -
Part 2: Pot-cores for use in telecommunications, power supply,
and filter applications
(IEC 62317-2:2010)**

Noyaux ferrites -
Dimensions -
Partie 2: Circuits magnétiques en pots
utilisés dans des applications
de télécommunications, d'alimentation
électrique et de filtre
(CEI 62317-2:2010)

Ferritkerne -
Maße -
Teil 2: Schalenkerne für die Verwendung
in Telekommunikations-,
Stromversorgungs-
und Filteranwendungen
(IEC 62317-2:2010)

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

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Foreword

The text of document 51/980/FDIS, future edition 1 of IEC 62317-2, 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 62317-2 on 2010-07-01.

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

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) 2011-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-07-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62317-2:2010 was approved by CENELEC as a European Standard without any modification.

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Annex ZA
(normative)

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

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60205	-	Calculation of the effective parameters of magnetic piece parts	EN 60205	-
IEC 62317-1	-	Ferite cores - Dimensions - Part 1. General specification	EN 62317-1	-

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FERRITE CORES – DIMENSIONS –

Part 2: Pot-cores for use in telecommunications, power supply, and filter applications

1 Scope

This part of IEC 62317 specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of pot-cores made of ferrite, and the dimensional limits for coil formers to be used with them.

The selection of core sizes for this standard is based on the philosophy of including those sizes which are industrial standards, either by inclusion in a national standard, or by broad-based use in industry. See IEC 62317-1 for more detail concerning the philosophy of selecting core sizes to be included.

The general considerations upon which the design of this range of cores is based are given in Annex A.

2 Normative references

The following referenced documents are indispensable for the application 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 60205, *Calculation of the effective parameters of magnetic piece parts*

IEC 62317-1, *Ferrite cores – Dimensions – Part 1: General specification*

3 Primary standards

3.1 Dimensions of pot-cores

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

3.1.1 Principal dimensions

The principal dimensions of pot-cores shall be as given in Table 1, Figure 1 and Figure 2.