

STN	Feritové jadrá. Rozmery. Časť 5: EP-jadrá a pridružené časti na použitie v induktoch a transformátoroch.	STN EN 62317-5 35 8470
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Ferrite cores - Dimensions - Part 5: EP-cores and associated parts for use in inductors and transformers

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/16

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EUROPEAN STANDARD

EN 62317-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2015

ICS 29.100.10

Supersedes EN 61596:1997

English Version

**Ferrite cores - Dimensions - Part 5: EP-cores and associated parts for use in inductors and transformers
(IEC 62317-5:2015)**

Noyaux ferrites - Dimensions - Partie 5: Noyaux EP et pièces associées utilisés dans les inductances et transformateurs
(IEC 62317-5:2015)

Ferritkerne - Maße - Teil 5: EP-Kerne und zugehörige Teile zum Einsatz in Drosseln und Transformatoren
(IEC 62317-5:2015)

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Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 51/1063/CDV, future edition 1 of IEC 62317-5, prepared by IEC/TC 51 "Magnetic components and ferrite materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62317-5:2015.

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) 2016-07-27
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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60205:2006	NOTE	Harmonized as EN 60205:2006 (not modified).
IEC 62317-1	NOTE	Harmonized as EN 62317-1.



INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Ferrite cores – Dimensions –
Part 5: EP-cores and associated parts for use in inductors and transformers**

**Noyaux ferrites – Dimensions –
Partie 5: Noyaux EP et pièces associées utilisés dans les inductances et transformateurs**





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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Ferrite cores – Dimensions –
Part 5: EP-cores and associated parts for use in inductors and transformers**

**Noyaux ferrites – Dimensions –
Partie 5: Noyaux EP et pièces associées utilisés dans les inductances et
transformateurs**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FERRITE CORES –
DIMENSIONS –****Part 5: EP-cores and associated parts
for use in inductors and transformers**

FOREWORD

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International Standard IEC 62317-5 has been prepared IEC technical committee 51: Magnetic components and ferrite materials.

This first edition cancels and replaces the first edition of IEC 61596 published in 1995. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to IEC 61596:

- a) addition of EP5-core in Table 1,
- b) addition of effective parameter and A_{\min} values, main dimensions of coil formers, and pin locations and base outlines for EP5-core.

The text of this standard is based on the following documents:

CDV	Report on voting
51/1063/CDV	51/1103/RVC

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62317 series, published under the general title *Ferrite cores – Dimensions*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

IEC 62317 consists of the following parts, under the general title *Ferrite cores – Dimensions*:

Part 1: General specification

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

Part 3: Half pot-cores¹

Part 4: RM-cores and associated parts

Part 5: EP-cores and associated parts for use in inductors and transformers

Part 6: ETD-cores for use in power supplies²

Part 7: EER-cores

Part 8: E-cores

Part 9: Planar cores

Part 10: PM-cores³

Part 11: EC-cores for use in power supply applications⁴

Part 12: Ring cores⁵

Part 13: PQ-cores for use in power supply applications

Part 14: EFD-cores for use in power supply applications⁶

¹ Under consideration.

² To be published.

³ Under consideration.

⁴ Under consideration.

⁵ Under consideration.

⁶ Under consideration.

FERRITE CORES – DIMENSIONS –

Part 5: EP-cores and associated parts for use in inductors and transformers

1 Scope

This part of IEC 62317 specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of EP-cores, the essential dimensions of coil formers to be used with these cores and the locations of their terminal pins on a 2,50 mm printed wiring grid in relation to the base outlines of the cores, and the effective parameter values to be used in calculations involving them.

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

2 Normative references

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.

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