

STN	Jadrá magnetických práškov Pokyny pre rozmery a limity povrchových nepravidielností Časť 5: Valcové jadrá	STN EN IEC 63182-5 35 8476
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Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 5: Cylinder-cores

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. 03/22

Obsahuje: EN IEC 63182-5:2022, IEC 63182-5:2021

134582

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 63182-5

January 2022

ICS 29.100.10

English Version

**Magnetic powder cores - Guidelines on dimensions and the
limits of surface irregularities - Part 5: Cylinder-cores
(IEC 63182-5:2021)**

Noyaux en poudre magnétique - Lignes directrices
concernant les dimensions et les limites des irrégularités de
surface - Partie 5: Noyaux cylindriques
(IEC 63182-5:2021)

Magnetische Pulverkerne - Leitlinien zu Maßen und
Grenzen von Oberflächenbeschädigungen - Teil 5:
Zylinderkerne
(IEC 63182-5:2021)

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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 IEC 63182-5:2022 (E)**European foreword**

The text of document 51/1375/CDV, future edition 1 of IEC 63182-5, prepared by IEC/TC 51 "Magnetic components, ferrite and magnetic powder materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63182-5:2022.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 63182-1	-	Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 1: General specification	EN IEC 63182-1	-



IEC 63182-5

Edition 1.0 2021-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Magnetic powder cores – Guidelines on dimensions and the limits of surface irregularities –
Part 5: Cylinder-cores**

**Noyaux en poudre magnétique – Lignes directrices concernant les dimensions
et les limites des irrégularités de surface –
Partie 5: Noyaux cylindriques**



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IEC 63182-5

Edition 1.0 2021-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Magnetic powder cores – Guidelines on dimensions and the limits of surface irregularities –
Part 5: Cylinder-cores**

**Noyaux en poudre magnétique – Lignes directrices concernant les dimensions et les limites des irrégularités de surface –
Partie 5: Noyaux cylindriques**

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INTERNATIONALE

ICS 29.100.10

ISBN 978-2-8322-1055-0

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**MAGNETIC POWDER CORES – GUIDELINES ON DIMENSIONS
AND THE LIMITS OF SURFACE IRREGULARITIES –****Part 5: Cylinder-cores****FOREWORD**

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IEC 63182-5 has been prepared by IEC technical committee 51: Magnetic components, ferrite and magnetic powder materials. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
51/1375/CDV	51/1392/RVC

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

A list of all parts in the IEC 63182 series published under the general title *Magnetic powder cores – Guidelines on dimensions and the limits of surface irregularities* can be found on the IEC website.

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MAGNETIC POWDER CORES – GUIDELINES ON DIMENSIONS AND THE LIMITS OF SURFACE IRREGULARITIES –

Part 5: Cylinder-cores

1 Scope

This part of IEC 63182 specifies the preferred range of the dimensions that are of importance for mechanical interchangeability and gives the guidelines on allowable limits of surface irregularities for cylinder-cores made of metallic magnetic powder.

This document is a specification useful in the negotiations between magnetic powder core suppliers and users about surface irregularities.

The use of "derived" standards which give more detailed specifications of component parts while still permitting compliance with this document is discussed in Annex A.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 63182-1, *Magnetic powder cores – Guidelines on dimensions and the limits of surface irregularities – Part 1: General specification*

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