

<b>STN</b>	<b>Jadrá magnetických práškov Pokyny pre rozmery a limity povrchových nepravidelností Časť 2: Prstencové jadrá</b>	<b>STN EN IEC 63182-2</b>  35 8476
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Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Ring-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. 03/21

Obsahuje: EN IEC 63182-2:2020, IEC 63182-2:2020

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EUROPEAN STANDARD

**EN IEC 63182-2**

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English Version

**Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Ring-cores (IEC 63182-2:2020)**

Noyaux en poudre magnétique comprimée - Lignes directrices concernant les dimensions et les limites des irrégularités de surface - Partie 2: Tores (IEC 63182-2:2020)

Magnetische Pulverkerne - Leitfaden zu Maßen und Grenzen von Oberflächenbeschädigungen - Teil 2: Ringkerne (IEC 63182-2:2020)

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**EN IEC 63182-2:2020 (E)****European foreword**

The text of document 51/1348/FDIS, future edition 1 of IEC 63182-2, 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 63182-2:2020.

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) 2021-08-03
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-11-03

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NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<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 63182-2

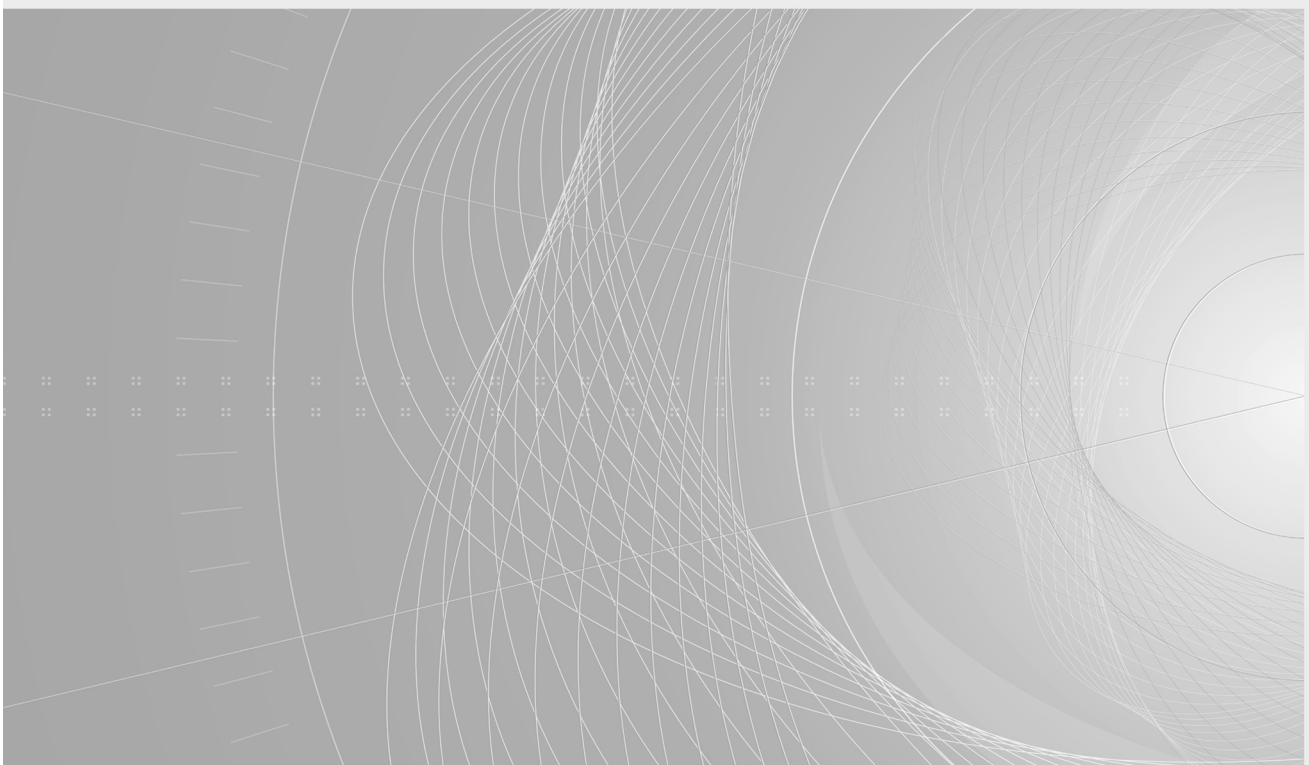
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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Magnetic powder cores – Guidelines on dimensions and the limits of surface irregularities –  
Part 2: Ring-cores**

**Noyaux en poudre magnétique comprimée – Lignes directrices concernant  
les dimensions et les limites des irrégularités de surface –  
Partie 2: Tores**





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Part 2: Ring-cores**

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Partie 2: Tores**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**MAGNETIC POWDER CORES – GUIDELINES ON DIMENSIONS  
AND THE LIMITS OF SURFACE IRREGULARITIES –****Part 2: Ring-cores**

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International Standard IEC 63182-2 has been prepared by IEC technical committee 51: Magnetic components, ferrite and magnetic powder materials.

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

FDIS	Report on voting
51/1348/FDIS	51/1352/RVD

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

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

A list of all parts of 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.

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

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

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

## Part 2: Ring-cores

### 1 Scope

This part of IEC 63182 specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of ring-cores (also called toroids) made of magnetic powder, the effective parameter values to be used in calculations involving them, and gives guidelines on allowable limits of surface irregularities applicable to coated ring-cores.

The selection of core sizes for this document is based on the philosophy of including those sizes which are industrial standards, meaning that they are in broad-based use within the industry. This document is considered as a sectional specification useful in the negotiations between magnetic powder core manufacturers and users about surface irregularities.

### 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.

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