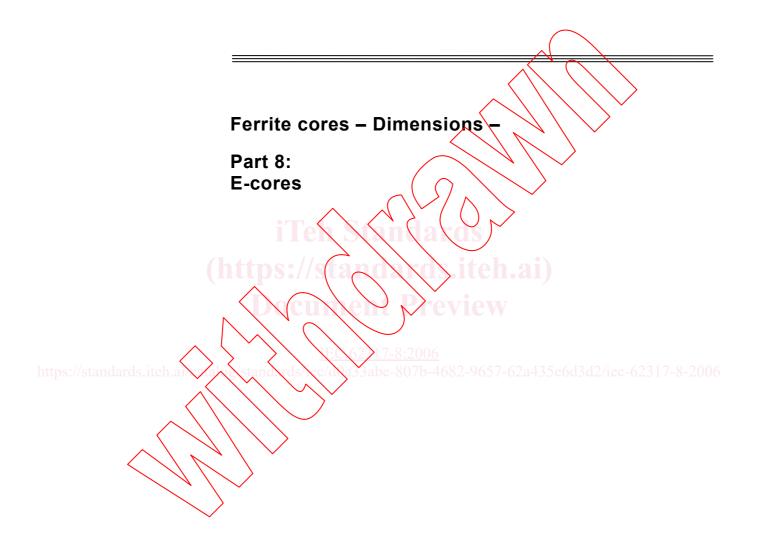
INTERNATIONAL STANDARD

IEC 62317-8

First edition 2006-08





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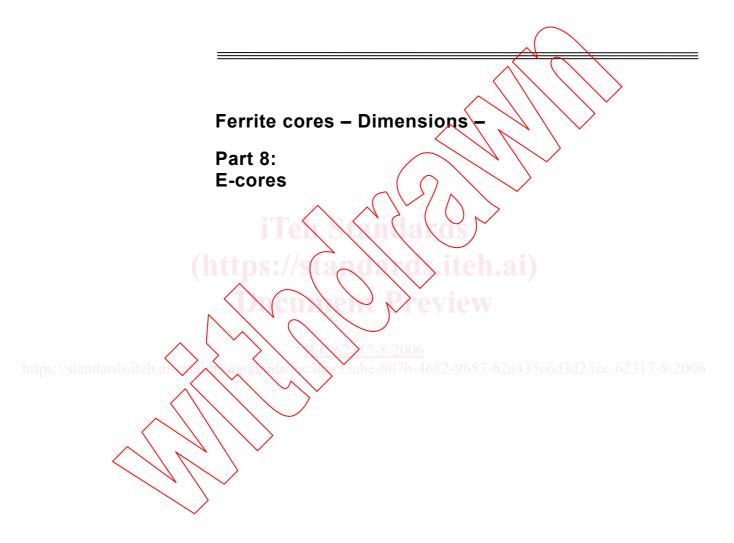
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Commission Electrotechnique Internationale

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PRICE CODE



CONTENTS

FOF	REWORD	3
1	Sagna	E
	Scope	
2	Normative references	
3	Primary standards	5
	3.1 Dimensions of E-cores with rectangular cross-section	5
	3.2 Dimensional limits for coil formers	10
Ann	nex A (normative) Derived standards	12
Ann	nex B (normative) An example of a gauge to check the dimensions of E-cores	40
mee	eting the IEC primary standard	13
Figu	ure 1 – Dimensions of E-cores with rectangular cross-section	6
	ure 2 – Main dimensions of coil formers	10
Figu	ure B.1 – Gauge dimensions	13
•		
	ole 1 – Dimensions of E-cores with rectangular cross-section	
Tab	ole 2 – Effective parameter and A _{min} values	8
Tab	ole 3 – Main dimensions of coil formers	10
Tab	ole B.1 – Gauge dimensions	14
	A de la	

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FERRITE CORES - DIMENSIONS -

Part 8: E-cores

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards. Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 62317-8 has been prepared IEC technical committee 51: Magnetic components and ferrite materials.

This standard cancels and replaces IEC 61246 published in 1994, its amendment 1 (2002) and replaces Table A.1 and Table B.1 of IEC 62358:2004. New rectangular centre leg E-cores, which have been developed in the industry, were introduced in IEC 62358, and are in widespread use. This standard has been revised to specify dimensions and effective parameters for these newer rectangular centre leg E-cores.

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

FDIS	Report on voting
51/864/FDIS	51/872/RVD

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.

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

- Part 1: General specification (under consideration)
- Part 2: Pot cores (under consideration, currently available as IEC 60133: Dimensions of pot-cores made of magnetic oxides and associated parts)
- Part 3: Half pot cores (under consideration, currently available as IEC 62323: Dimensions of half pot-cores made of ferrite for inductive proximity switches)
- Part 4: RM-cores and associated parts
- Part 5: EP-cores (under consideration, currently available as IEC 61596: Magnetic oxide EP-cores and associated parts for use in inductors and transformers Dimensions)
- Part 6: ETD-cores (under consideration, currently available as IEC 61185; Ferrite cores (ETD-cores) intended for use in power supply applications Dimensions)
- Part 7: EER-cores
- Part 8: E-cores
- Part 9: Planar cores
- Part 10: PM-cores (under consideration, currently available as IEC 61247: PM-cores made of magnetic oxides and associated parts Dimensions)
- Part 11: EC-cores (under consideration, currently available as IEC 60647: Dimensions for magnetic oxide cores intended for use in power supplies (EC-cores))
- Part 12: Uncoated ring cores (under consideration currently available as IEC TR 61604: Dimensions of uncoated ring cores of magnetic oxides)
- Part 13: PQ-cores (under consideration)

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEO web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- https:/•stareconfirmed;
 - withdrawn;
 - · replaced by a revised edition, or
 - amended

A bilingual version of this publication may be issued at a later date.