

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Packaging of winding wires –  
Part 5-1: Cylindrical barrelled delivery spools with conical flanges – Basic  
dimensions**

**Conditionnement des fils de bobinage –  
Partie 5-1: Bobines de livraison à fût de forme cylindrique avec les joues  
coniques – Dimensions de base**



## THIS PUBLICATION IS COPYRIGHT PROTECTED

Copyright © 2009 IEC, Geneva, Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either IEC or IEC's member National Committee in the country of the requester.

If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please contact the address below or your local IEC member National Committee for further information.

Droits de reproduction réservés. Sauf indication contraire, aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de la CEI ou du Comité national de la CEI du pays du demandeur.

Si vous avez des questions sur le copyright de la CEI ou si vous désirez obtenir des droits supplémentaires sur cette publication, utilisez les coordonnées ci-après ou contactez le Comité national de la CEI de votre pays de résidence.

IEC Central Office  
3, rue de Varembe  
CH-1211 Geneva 20  
Switzerland  
Email: [inmail@iec.ch](mailto:inmail@iec.ch)  
Web: [www.iec.ch](http://www.iec.ch)

### About the IEC

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

### About IEC publications

The technical content of IEC publications is kept under constant review by the IEC. Please make sure that you have the latest edition, a corrigenda or an amendment might have been published.

- Catalogue of IEC publications: [www.iec.ch/searchpub](http://www.iec.ch/searchpub)

The IEC on-line Catalogue enables you to search by a variety of criteria (reference number, text, technical committee,...). It also gives information on projects, withdrawn and replaced publications.

- IEC Just Published: [www.iec.ch/online\\_news/justpub](http://www.iec.ch/online_news/justpub)

Stay up to date on all new IEC publications. Just Published details twice a month all new publications released. Available on-line and also by email.

- Electropedia: [www.electropedia.org](http://www.electropedia.org)

The world's leading online dictionary of electronic and electrical terms containing more than 20 000 terms and definitions in English and French, with equivalent terms in additional languages. Also known as the International Electrotechnical Vocabulary online.

- Customer Service Centre: [www.iec.ch/webstore/custserv](http://www.iec.ch/webstore/custserv)

If you wish to give us your feedback on this publication or need further assistance, please visit the Customer Service Centre FAQ or contact us:

Email: [csc@iec.ch](mailto:csc@iec.ch)  
Tel.: +41 22 919 02 11  
Fax: +41 22 919 03 00

### A propos de la CEI

La Commission Electrotechnique Internationale (CEI) est la première organisation mondiale qui élabore et publie des normes internationales pour tout ce qui a trait à l'électricité, à l'électronique et aux technologies apparentées.

### A propos des publications CEI

Le contenu technique des publications de la CEI est constamment revu. Veuillez vous assurer que vous possédez l'édition la plus récente, un corrigendum ou amendement peut avoir été publié.

- Catalogue des publications de la CEI: [www.iec.ch/searchpub/cur\\_fut-f.htm](http://www.iec.ch/searchpub/cur_fut-f.htm)

Le Catalogue en-ligne de la CEI vous permet d'effectuer des recherches en utilisant différents critères (numéro de référence, texte, comité d'études,...). Il donne aussi des informations sur les projets et les publications retirées ou remplacées.

- Just Published CEI: [www.iec.ch/online\\_news/justpub](http://www.iec.ch/online_news/justpub)

Restez informé sur les nouvelles publications de la CEI. Just Published détaille deux fois par mois les nouvelles publications parues. Disponible en-ligne et aussi par email.

- Electropedia: [www.electropedia.org](http://www.electropedia.org)

Le premier dictionnaire en ligne au monde de termes électroniques et électriques. Il contient plus de 20 000 termes et définitions en anglais et en français, ainsi que les termes équivalents dans les langues additionnelles. Egalement appelé Vocabulaire Electrotechnique International en ligne.

- Service Clients: [www.iec.ch/webstore/custserv/custserv\\_entry-f.htm](http://www.iec.ch/webstore/custserv/custserv_entry-f.htm)

Si vous désirez nous donner des commentaires sur cette publication ou si vous avez des questions, visitez le FAQ du Service clients ou contactez-nous:

Email: [csc@iec.ch](mailto:csc@iec.ch)  
Tél.: +41 22 919 02 11  
Fax: +41 22 919 03 00

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

---

**Packaging of winding wires –  
Part 5-1: Cylindrical barrelled delivery spools with conical flanges – Basic  
dimensions**

**Conditionnement des fils de bobinage –  
Partie 5-1: Bobines de livraison à fût de forme cylindrique avec les joues  
coniques – Dimensions de base**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## PACKAGING OF WINDING WIRES –

**Part 5-1: Cylindrical barrelled delivery spools  
with conical flanges – Basic dimensions**

## FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with an IEC Publication.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60264-5-1 has been prepared by IEC technical committee 55: Winding wires.

This consolidated version of IEC 60264-5-1 consists of the first edition (1997) [documents 55/552/FDIS and 55/594/RVD] and its amendment 1 (2003) [documents 55/838/FDIS and 55/864/RVD].

The technical content is therefore identical to the base edition and its amendment and has been prepared for user convenience.

It bears the edition number 1.1.

A vertical line in the margin shows where the base publication has been modified by amendment 1.

The committee has decided that the contents of the base publication and its amendments will remain unchanged until the maintenance result date indicated on the IEC web site 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.

## **iTeh STANDARD PREVIEW (standards.iteh.ai)**

IEC 60264-5-1:1997+AMD1:2003 CSV

<https://standards.iteh.ai/catalog/standards/sist/6374a68e-9683-4a06-abd4-e71e0fcde8fc/iec-60264-5-1-1997amd1-2003-csv>

## INTRODUCTION

This part of IEC 60264 forms an element of a series of standards dealing with insulated wires used for windings in electrical equipment. The series comprises three groups describing:

- 1) Methods of test (IEC 60851);
- 2) Specifications (IEC 60317);
- 3) Packaging (IEC 60264).

## **iTeh STANDARD PREVIEW** **(standards.iteh.ai)**

[IEC 60264-5-1:1997+AMD1:2003 CSV](https://standards.iteh.ai/catalog/standards/sist/6374a68e-9683-4a06-abd4-e71e0fcde8fc/iec-60264-5-1-1997amd1-2003-csv)

<https://standards.iteh.ai/catalog/standards/sist/6374a68e-9683-4a06-abd4-e71e0fcde8fc/iec-60264-5-1-1997amd1-2003-csv>

## PACKAGING OF WINDING WIRES –

### Part 5-1: Cylindrical barrelled delivery spools with conical flanges – Basic dimensions

#### 1 Scope

This part of IEC 60264 specifies the basic dimensions for cylindrical barrelled delivery spools with conical flanges for winding wires.

#### 2 Normative reference

Les documents de référence suivants sont indispensables pour l'application du présent document. Pour les références datées, seule l'édition citée s'applique. Pour les références non datées, la dernière édition du document de référence s'applique (y compris les éventuels amendements).

ISO 2768-1: 1989, *General tolerances – Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

#### 3 Dimensions

The dimensions and tolerances for cylindrical barrelled delivery spools with conical flanges are given in table 1 in accordance with figure 1. Unless otherwise specified, the tolerances are according to class "m" of ISO 2768-1.

NOTE – Figure 1 is given to identify the dimensions specified and is not intended to show any particular construction.

Table 1 – Dimensions

Spool type	Dimensions mm												
	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>		d <sub>4</sub>	d <sub>5</sub>	l <sub>1</sub>	l <sub>2</sub>		t <sub>1</sub> min	e <sub>1</sub>	y	z
			Nominal	Tolerance				Nominal	Tolerance				
100	100	56	16	+0,20	-	7	100	49	±0,5	22	20	0,2	0,2
125	125	71	16	+0,20	24	7	125	65	±0,6	25	20	0,3	0,2
160	160	90	22	+0,20	34	13	160	85	±0,7	28	32	0,3	0,2
200	200	112	22	+0,20	34	13	200	106	±0,8	32	32	0,4	0,25
250	250	140	22	+0,20	34	13	250	133	±0,8	36	32	0,5	0,3

### 4 Material

Requirements are to be stated in the purchaser's order.

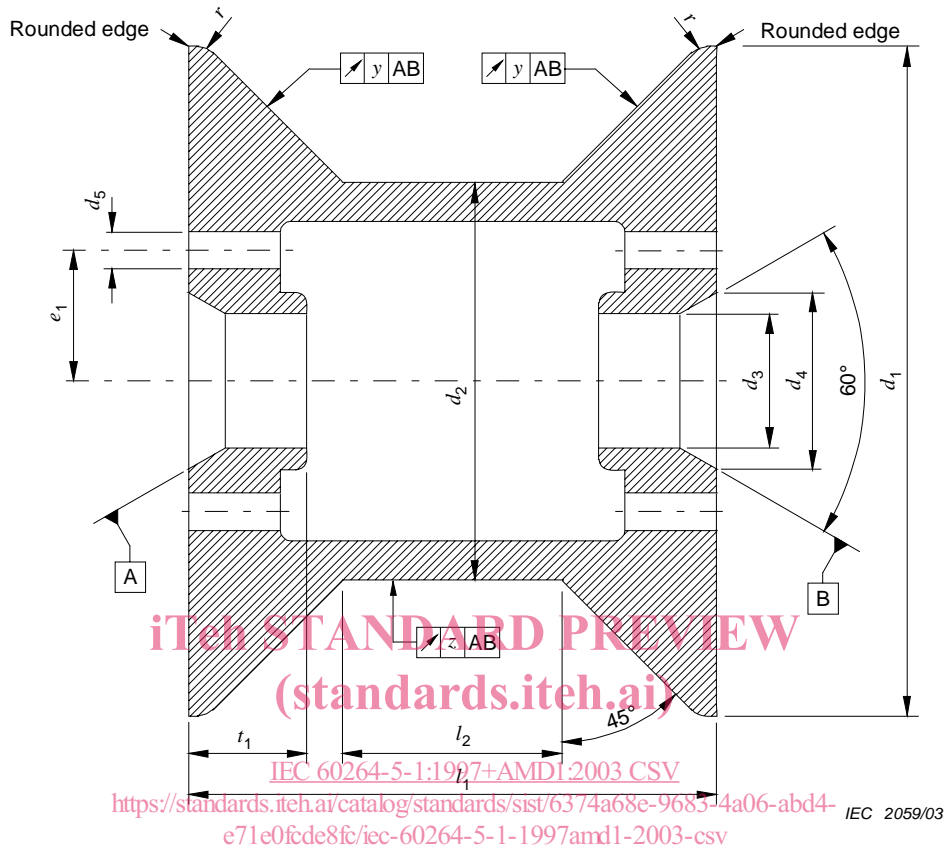


Figure 1 – Cylindrical barrelled delivery spool with conical flanges



**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[IEC 60264-5-1:1997+AMD1:2003 CSV](https://standards.iteh.ai/catalog/standards/sist/6374a68e-9683-4a06-abd4-e71e0fcde8fc/iec-60264-5-1-1997amd1-2003-csv)

<https://standards.iteh.ai/catalog/standards/sist/6374a68e-9683-4a06-abd4-e71e0fcde8fc/iec-60264-5-1-1997amd1-2003-csv>