

Navijalne žice - Preskusne metode - 2. del: Ugotavljanje mer

Winding wires - Test methods - Part 2: Determination of dimensions

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[SIST EN 60851-2:2001/A2:2004](https://standards.iteh.ai/catalog/standards/sist/0720ffba-6a86-465f-9b7c-44f23cc7b20d/sist-en-60851-2-2001-a2-2004)
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EUROPEAN STANDARD

EN 60851-2/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2003

ICS 29.060.10

English version

**Winding wires –
Test methods
Part 2: Determination of dimensions
(IEC 60851-2:1996/A2:2003)**

Fils de bobinage –
Méthodes d'essai
Partie 2: Détermination des dimensions
(CEI 60851-2:1996/A2:2003)

Wickeldrähte –
Prüfverfahren
Teil 2: Ermittlung der Maße
(IEC 60851-2:1996/A2:2003)

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This amendment A2 modifies the European Standard EN 60851-2:1996; it was approved by CENELEC on 2003-12-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

[SIST EN 60851-2:2001/A2:2004](https://standards.itih.ai/catalog/standards/sist/0720fba-6a86-465f-9b7c-4c23e7520141/iec-60851-2:2003/iec-60851-2:2003/A2:2004)

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 55/860/FDIS, future amendment 2 to IEC 60851-2:1996, prepared by IEC TC 55, Winding wires, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A2 to EN 60851-2:1996 on 2003-12-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2004-09-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2006-12-01

Endorsement notice

The text of amendment 2:2003 to the International Standard IEC 60851-2:1996 was approved by CENELEC as an amendment to the European Standard without any modification.

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
60851-2

1996

AMENDEMENT 2
AMENDMENT 2
2003-09

Amendement 2

Fils de bobinage – Méthodes d'essai –

**Partie 2:
Détermination des dimensions**

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Amendment 2

SIST EN 60851-2:2001/A2:2004

<https://standards.iteh.ai/standards/EN/60851-2-2001-a2-2004/44f23cc7b20d/sist-en-60851-2-2001-a2-2004>

Winding wires – Test methods –

**Part 2:
Determination of dimensions**

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FOREWORD

This amendment has been prepared by IEC technical committee 55: Winding wires.

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

FDIS	Report on voting
55/860/FDIS	55/866/RVD

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

The committee has decided that the contents of the base publication and its amendments will remain unchanged until 2006. At this date, the publication will be

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

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INTRODUCTION

SIST EN 60851-2:2001/A2:2004

Replace the existing text by the following new text:

This part of IEC 60851 is one of a series which deals with insulated wires used for windings in electrical equipment. The series has three groups describing:

- 1) winding wires – test methods (IEC 60851)
- 2) specifications for particular types of winding wires (IEC 60317)
- 3) packaging of winding wires (IEC 60264).

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3.1 Equipment

3.1.1 Round and rectangular wire

Replace this subclause by the following new subclause:

The equipment used shall have a resolution of 2 µm or less for wires over 0,200 mm and for wires up to and including 0,200 mm, a resolution of 1 µm or less. Both mechanical contact and optical non-contact micrometers may be used. If mechanical contact micrometers are used, the ratio of measuring force and anvil diameter shall be according to the range as given in table 1a and table 1b. The diameter range of the spindle and anvil is also given in table 1a and table 1b. If specific measuring equipment must be used, it shall be agreed upon between the customer and the supplier.

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Table 1 – Spindle and anvil diameters and measuring forces

Replace the existing table 1 by the following two new tables 1a and 1b:

Table 1a – Enamelled round wire

Type of winding wire	Nominal conductor diameter mm	Anvil diameter mm	$P(N/mm) = \frac{\text{Measuring force (N)}}{\text{Anvil diameter (mm)}}$
Enamelled round wire	$\leq 0,100$	2 to 8	$0,01 \leq P \leq 0,16$
	$0,100 < d \leq 0,45$	5 to 8	$0,16 < P \leq 0,32$
	$> 0,45$	5 to 8	$0,32 < P \leq 0,80$

Table 1b – All types of winding wires except enamelled round wire

Type of winding wire	Nominal conductor diameter mm	Anvil diameter mm	Measuring force N
Tape wrapped round wire	$\geq 0,100$	5 to 8	1 to 8
Enamelled rectangular and tape wrapped rectangular wire	–	5 to 8	2 to 4
Fibrous covered wire	–	5 to 8	2 to 4
Paper covered wire	–	5 to 8	8 to 14

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