SLOVENSKI STANDARD
SIST EN 60851-2:2010/A1:2015

01-september-2015

Navijalne žice - Preskusne metode - 2. del: Ugotavljanje mer - Dopolnilo A1

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

Wickeldrähte - Prüfverfahren - Teil 2: Ermittlung der Maße

Fils de bobinage - Méthodes d'essai - Partie 2: Détermination des dimensions

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Ta slovenski standard je istoveten z: EN 60851-2:2009/A1:2015

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ICS:

29.060.10 Žice Wires

SIST EN 60851-2:2010/A1:2015 en

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60851-2:2009/A1

July 2015

ICS 29.060.10

English Version

Winding wires - Test methods - Part 2: Determination of dimensions (IEC 60851-2:2009/AMD1:2015)

Fils de bobinage - Méthodes d'essai - Partie 2: Détermination des dimensions (IEC 60851-2:2009/AMD1:2015)

Wickeldrähte - Prüfverfahren - Teil 2: Ermittlung der Maße (IEC 60851-2:2009/AMD1:2015)

This amendment A1 modifies the European Standard EN 60851-2:2009; it was approved by CENELEC on 2015-06-25. 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.

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Comité Européen de Normalisation Electrotechnique
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European foreword

The text of document 55/1520/FDIS, future IEC 60851-2:2009/A1, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60851-2:2009/A1:2015.

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) 2016-03-25
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-06-25

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The text of the International Standard IEC 60851-2:2009/A1:2015 was approved by CENELEC as a European Standard without any modification.

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

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

Fils de bobinage – Méthodes d'essai – Partie 2: Détermination des 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
55/1520/FDIS	55/1526/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 this amendment and the base publication will remain unchanged until the stability 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.

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3 Test 4: Dimensions

3.1 Equipment

3.1.1 Round and rectangular wire

Replace Table 1b by the following:

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

Type of winding wire	Nominal conductor diameter mm	Anvil diameter mm	Measuring force N
Enamelled rectangular wire	-	5 to 8	2 to 4
Film tape wrapped round wire	≥ 0,100	5 to 8	2 to 4
Film tape wrapped rectangular wire	-	5 to 8	2 to 4
Fibrous covered wire	-	5 to 8	2 to 4

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After Table 1b, add the following new Table 1c and paragraph:

Table 1c – Paper covered wire

Type of winding wire	Nominal conductor diameter mm	Anvil diameter mm	Measuring pressure N/mm^2
Paper covered wire	-	5 to 8	1 to 2

For paper covered rectangular wire, a measuring pressure is considered more appropriate instead of a measuring force. Annex A provides for information a table with the relationship between force and pressure for a typical measuring range.

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Add the following new annex:

Annex A
(informative)

Table A.1 provides information, within a typical range, on the relationship between force and pressure applied to the wire according to Table 1c. Values outside the range of this table can be calculated using the following formula:

$p = F/A$

where:

p is the pressure, in N/mm^2;

F is the force, in N;

A is the section of the wire on which the force is applied, in mm^2.

Table A.1 – Relationship between force, pressure, anvil diameter and rectangular wire surface *(1 of 2)*

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Force N	Pressure (N/mm^2)				
	Anvil diameter mm				
	5	6	6,5	7	8
	Surface mm^2				
	19,63	28,26	33,17	38,47	50,24
1	0,05	0,04	0,03	0,03	0,02
2	0,10	0,07	0,06	0,05	0,04
3	0,15	0,11	0,09	0,08	0,06
4	0,20	0,14	0,12	0,10	0,08
5	0,25	0,18	0,15	0,13	0,10
6	0,31	0,21	0,18	0,16	0,12
7	0,36	0,25	0,21	0,18	0,14
8	0,41	0,28	0,24	0,21	0,16
9	0,46	0,32	0,27	0,23	0,18
10	0,51	0,35	0,30	0,26	0,20
11	0,56	0,39	0,33	0,29	0,22
12	0,61	0,42	0,36	0,31	0,24
13	0,66	0,46	0,39	0,34	0,26
14	0,71	0,50	0,42	0,36	0,28
15	0,76	0,53	0,45	0,39	0,30
16	0,82	0,57	0,48	0,42	0,32
17	0,87	0,60	0,51	0,44	0,34
18	0,92	0,64	0,54	0,47	0,36
19	0,97	0,67	0,57	0,49	0,38
20	1,02	0,71	0,60	0,52	0,40