

**SLOVENSKI STANDARD**  
**SIST EN 60745-2-3:2011/A12:2015**  
**01-september-2015**

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**Električna ročna orodja - Varnost - 2-3. del: Posebne zahteve za brusilnike, polirnike in diskovne brusilnike - Dopolnilo A12**

Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders

Handgeführte motorbetriebene Elektrowerkzeuge - Sicherheit - Teil 2-3: Besondere Anforderungen für Schleifer, Polierer und Schleifer mit Schleifblatt

Outils électroportatifs à moteur - Sécurité - Partie 2-3: Règles particulières pour les meuleuses, lustreuses et ponceuses du type à disque

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**Ta slovenski standard je istoveten z: EN 60745-2-3:2011/A12:2014**

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**ICS:**

25.080.50	Brusilni in polirni stroji	Grinding and polishing machines
25.140.20	Električna orodja	Electric tools

**SIST EN 60745-2-3:2011/A12:2015**      **en**

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EUROPEAN STANDARD

**EN 60745-2-3:2011/A12**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2014

ICS 25.140.20

English Version

## Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders

Outils électroportatifs à moteur - Sécurité -  
Partie 2-3: Règles particulières pour les meuleuses,  
lustreuses et ponçouses du type à disque

Handgeführte motorbetriebene Elektrowerkzeuge -  
Sicherheit - Teil 2-3: Besondere Anforderungen für  
Schleifer, Polierer und Schleifer mit Schleifblatt

This amendment A12 modifies the European Standard EN 60745-2-3:2011; it was approved by CENELEC on 2014-11-17. 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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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

## Foreword

This document (EN 60745-2-3:2011/A12:2014) has been prepared by CLC/TC 116 "Safety of motor-operated electric tools".

This amendment was developed to modify requirements for the size of flanges for depressed centre grinding wheels.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-11-17
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2017-11-17

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For the relationship with EU Directive(s) see informative Annex ZZ, which is included in EN 60745-2-3:2011.

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## Text of A12 to EN 60745-2-3:2011

### 19 Mechanical hazards

*Replace the existing Subclause 19.104 by the following:*

**19.104** Flanges required by 19.102 shall be designed so that they secure and locate the abrasive products to the grinder. At least one of the flanges shall be keyed, screwed, shrunk-on or otherwise secured to prevent rotation relative to the tool spindle.

The flanges shall be flat and have no sharp edges.

The flanges shall have the dimensions specified in 19.104.1 and 19.104.2 and illustrated in Figure 104, where  $D$  is the outside diameter of the abrasive wheel,  $G$  and  $W$  are the dimensions of the recess and  $D_f$  is the outside diameter of the flange clamping surface. The outer dimensions of the locking flange shall be limited so that there is no interference with the depressed centre of Type 27, 28 or 42 wheels in accordance with ISO 603-14:1999 and ISO 603-16:1999.

Flanges for wheels under 55 mm diameter may be unrecessed.

For wheels of any diameter with threaded inserts or projecting studs, the flanges shall be unrecessed, i.e.  $G = 0$ .

The backing and the locking flange shall have the same diameter  $D_f$  or the overlap of the backing and locking flange bearing surfaces shall be at least equal to dimension  $C$ .

In order to prevent interference, the locking flange and/or nut shall not extend beyond the plane defined by the lip of the guard when mounted with the thickest recommended Type 27, 28 or 29 wheel.

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