BRITISH STANDARD

BS EN 60745-2-4:2003 +A1:2009

Incorporating CENELEC amendment A11

Hand-held motor-operated electric tools — Safety —

Part 2-4: Particular requirements for sanders and polishers other than disk type

ICS 25.140.20; 25.140.30; 25.080.50

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI Documents Document Sharing Hub British Standards

Full document details: BS EN 60745-2-4:2003+A1:2009

National foreword

This British Standard is the UK implementation of EN 60745-2-4:2003+A1:2009, incorporating A11:2007. It is derived from IEC 60745-2-4:2002, incorporating amendment 1:2008. It supersedes BS EN 60745-2-4:2003, which will be withdrawn on 1 May 2012.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by ▌A1⟩ ⟨A1▌.

The CENELEC common modifications have been implemented at the appropriate places in the text. The start and finish of each common modification is indicated in the text by tags ▌C⟩ ⟨C▌. Where a common modification has been introduced by CENELEC amendment, the tags carry the number of the amendment. For example, the common modifications introduced by CENELEC amendment A11 are indicated by ▌C11⟩ ⟨C11▌.

The UK participation in its preparation was entrusted to Technical Committee CPL/116, Portable motor-operated tools.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

Amendments/corrigenda issued since publication

Amd. No.	Date	Comments
17185	31 July 2007	Implementation of CENELEC amendment A11:2007
	31 January 2010	Implementation of IEC amendment 1:2008 with CENELEC endorsement A1:2009

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 3 September 2003

© BSI 2010

ISBN 978 0 580 70126 9

Documents
Document Sharing Hub

Full document details: BS EN 60745-2-4:2003+A1:2009

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60745-2-4:2003+A1

+A11

March 2007

ICS 25.140.20; 25.140.30; 25.080.50

Supersedes EN 50144-2-4:1999 & EN 50260-2-4:2002

English version

Hand-held motor-operated electric tools - Safety
Part 2-4: Particular requirements for sanders and polishers other than disk type
(IEC 60745-2-4:2002, modified)

Outils électroportatifs à moteur - Sécurité
Partie 2-4: Règles particulières pour les ponceuses et lustreuses, autres que du type à disque
(CEI 60745-2-4:2002, modifiée)

Handgeführte motorbetriebene Elektrowerkzeuge - Sicherheit
Teil 2-4: Besondere Anforderungen für Schleifer und Polierer außer Tellerschleifern
(IEC 60745-2-4:2002, modifiziert)

This European Standard was approved by CENELEC on 2003-02-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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 European Standard 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

© 2003 CENELEC - All rights of exploitation in any form and by any means reserved worldwide for CENELEC members.

Ref. No. EN 60745-2-4:2003 E

AVA Documents
Document Sharing Hub

Full document details: BS EN 60745-2-4:2003+A1:2009

Foreword

The text of the International Standard IEC 60745-2-4:2002 , prepared by SC 61F, Safety of hand-held motor-operated electric tools, of IEC TC 61, Safety of household and similar electrical appliances, together with the common modifications prepared by the Technical Committee CENELEC TC 61F, Safety of hand-held and transportable motor-operated electric tools, was submitted to the formal vote and was approved by CENELEC as EN 60745-2-4 on 2003-02-01.

This European Standard supersedes EN 50144-2-4:1999 and EN 50260-2-4:2002.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2004-02-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-02-01

Other standards referred to in this European standard are listed in Clause 2. Clause 2 lists the valid edition of those documents at the time of issue of this EN.

This standard is divided into two parts:

Part 1: General requirements which are common to most hand-held electric motor operated tools (for the purpose of this standard referred to simply as tools) which could come within the scope of this standard;

Part 2: Requirements for particular types of tools which either supplement or modify the requirements given in Part 1 to account for the particular hazards and characteristics of these specific tools.

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directive 98/37/EC (Machinery Directive), amended by Directive 98/79/EC. See Annex ZZ.

Compliance with the clauses of Part 1 together with this Part 2 provides one means of conforming with the essential health and safety requirements of the Directive concerned.

CEN/TC 255 is producing standards for non-electric sanders and polishers (EN 792-8).

Warning: Other requirements and other EC Directives can be applicable to the products falling within the scope of this standard.

This standard follows the overall requirements of EN ISO 12100-1 and EN ISO 12100-2.

This Part 2-4 is to be used in conjunction with EN 60745-1:2006. When this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

Subclauses and figures which are additional to those in Part 1 are numbered starting from 101.

Subclauses, tables and figures which are additional to those in IEC 60745-2-4 are prefixed “Z”.

NOTE In this standard, the following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in smaller roman type.

Endorsement notice

The text of the International Standard IEC 60745-2-4:2002 was approved by CENELEC as a European Standard with agreed common modifications.

AVA Documents Document Sharing Hub

Foreword to amendment A11

This amendment to the European Standard EN 60745-2-4:2003 was prepared by the Technical Committee CENELEC TC 61F, Safety of hand-held and transportable motor-operated electric tools.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A11 to EN 60745-2-4:2003 on 2007-02-01.

This amendment was prepared to align the Subclause 6.2 with the new Subclause 6.2 in EN 60745-1:2006. Moreover, vibration values determined with the new 6.2 are complying with the requirements of the Physical Agents Directive Vibration 2002/44/EC.

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) 2008-02-01

– latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2008-02-01

Foreword to amendment A1

The text of document 61F/733/FDIS future amendment 1 to IEC 60745-2-4:2002, prepared by SC 61F (transformed into TC 116, Safety of hand-held motor-operated electric tools), was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 60745-2-4:2003 on 2009-04-22.

With this amendment, this Part 2 is established on the basis of EN 60745-1:2006.

Main changes include editorial modifications to match with EN 60745-1:2006, addition of a new safety warning to Clause 8: Marking and instructions, and clarifications in Annex K.

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) 2010-02-01

– latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2012-05-01

Endorsement notice

The text of amendment 1:2008 to the International Standard IEC 60745-2-4:2002 was approved by CENELEC as an amendment to the European Standard without any modification.

In the Bibliography, replace the reference to EN 60745-2-3 by:

EN 60745-2-3:2007, *Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders* (IEC 60745-2-3:2006, mod.).

Documents
Document Sharing Hub
Full document details: BS EN 60745-2-4:2003+A1:2009