

EUROPEAN STANDARD

EN 60745-2-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2003

ICS 25.100.40

Supersedes EN 50144-2-5:1999 & EN 50260-2-5:2002

English version

**Hand-held motor-operated electric tools -
Safety**
Part 2-5: Particular requirements for circular saws
(IEC 60745-2-5:2003, modified)

Outils électroportatifs à moteur -
Sécurité
Partie 2-5: Règles particulières
pour les scies circulaires
(CEI 60745-2-5:2003, modifiée)

Handgeführte motorbetriebene
Elektrowerkzeuge -
Sicherheit
Teil 2-5: Besondere Anforderungen
für Kreissägen
(IEC 60745-2-5:2003, modifiziert)

This European Standard was approved by CENELEC on 2003-04-01. 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, 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 the International Standard IEC 60745-2-5:2003, 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 60745-2-5 on 2003-04-01.

This European Standard supersedes EN 50144-2-5:1999 and EN 50260-2-5:2002.

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) 2004-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-04-01

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 CEN and CENELEC by the European Commission and the European Free Trade Association and supports the essential health and safety requirements of the Machinery Directive.

Compliance with the clauses of Part 1 together with this Part 2-5 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 circular saws (EN 792-12).

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 292-1 and EN 292-2.

This Part 2-5 is to be used in conjunction with EN 60745-1:2003. 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; additional annexes are lettered AA, BB, etc.

Subclauses, tables and figures which are additional to those in IEC 60745-2-5 are prefixed "Z".

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

- Requirements: in roman type;
- *Test specification: in italic type;*
- Notes: in smaller roman type.

Endorsement notice

The text of the International Standard IEC 60745-2-5:2003 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

2 Normative references

Replace the text by:

This clause of Part 1 is applicable, except as follows:

Additional normative reference:

EN 847-1:1997, *Tools for woodworking - Safety requirements - Part 1: Milling tools and circular saw blades*

6 Void

Replace by:

6 Environmental requirements

This clause of Part 1 is applicable except as follows:

6.1.2.4 Modification:

Circular saws are held and used as specified in 6.1.2.5.

6.1.2.5 Modification:

Circular saws are tested under load observing the conditions shown in Table Z101.

Table Z101 — Operating conditions for circular saws

Orientation	Cutting a horizontal piece of chipboard 800 mm x 400 mm x 19 mm. The workpiece, apart from the strips to be cut off, is supported on resilient material and fixed to a bench
Tool bit	New blade as recommended by the manufacturer for cutting chipboard
Feed force	Just sufficient to cut at a brisk pace
Test cycle	One test cycle is given by cutting off one approximately 10 mm wide strip (set by rip fence) across the 400 mm width of the chipboard

6.2.2.4 Modification:

Circular saws are tested under the conditions specified in 6.1.2.5.

8 Marking and instructions

8.12.2 a) Add to the addition:

Z101) Information on the correct use of the dust collection system

Z102) Advice to wear a dust mask

Z103) Instruction to only use saw blades recommended

Z104) Instruction to always wear hearing protection

19 Mechanical hazards

Add after 19.106:

19.Z101 The saw blade(s) delivered with the tool shall comply with EN 847-1.

Compliance is checked by inspection.

21 Construction

Add:

21.Z1 *Addition:*

Circular saws are considered to be tools where a considerable amount of dust is produced.