

INTERNATIONAL STANDARD

IEC
60745-2-4

Second edition
2002-07

Hand-held motor-operated electric tools – Safety –

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

*Outils électroportatifs à moteur –
Sécurité –*

*Partie 2-4:
Règles particulières pour les ponceuses
et lustreuses, autres que du type à disque*

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS –
SAFETY –**

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

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
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International Standard IEC 60745-2-4 has been prepared by subcommittee 61F: Safety of hand-held motor-operated electric tools, of IEC technical committee 61: Safety of household and similar electrical appliances

This second edition cancels and replaces the first edition published in 1983, of which it constitutes a technical revision.

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

FDIS	Report on voting
61F/462/FDIS	61F/486/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives.

This Part 2-4 is to be used in conjunction with the third edition of IEC 60745-1: Safety of hand-held motor-operated electric tools – Part 1: General requirements. When this standard states “addition”, “modification” or “replacement”, the relevant text in Part 1 is to be adapted accordingly.

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

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

Subclauses, tables and figures which are additional to those in Part 1 are numbered starting from 101; additional annexes are lettered AA, BB, etc.

The committee has decided that the contents of this publication will remain unchanged until January 2007. At this date, the publication will be

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

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HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS – SAFETY –

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

1 Scope

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

1.1 Addition:

This standard applies to sanders with the exception of all types of disc-type sanders, which are covered by IEC 60745-2-3.

Tools covered by this standard include but are not limited to belt sanders, reciprocating sanders or polishers, orbital sanders or polishers, and random orbit sanders or polishers.

2 Normative references

This clause of Part 1 is applicable.

3 Definitions

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

Additional definitions:

3.101

sander

tool intended to remove surface material using an abrasive medium

3.102

polisher

tool equipped with a disk or pad intended for polishing

3.103

belt sander

sander equipped with an endless abrasive belt

3.104

orbital sander or polisher (oscillating sander or polisher)

sander or polisher equipped with a plate, which performs an orbital oscillating motion parallel to the work surface

3.105

random orbit sander or polisher

sander or polisher equipped with a plate positioned eccentrically on the driving spindle which can rotate freely around its axis parallel to the work surface