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# INTERNATIONAL STANDARD

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**Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety –  
Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions.....	6
4 General requirements.....	7
5 General conditions for the tests.....	7
6 Radiation, toxicity and similar hazards.....	7
7 Classification.....	7
8 Marking and instructions.....	7
9 Protection against access to live parts.....	8
10 Starting.....	8
11 Input and current.....	8
12 Heating.....	8
13 Resistance to heat and fire.....	8
14 Moisture resistance.....	8
15 Resistance to rusting.....	8
16 Overload protection of transformers and associated circuits.....	8
17 Endurance.....	8
18 Abnormal operation.....	9
19 Mechanical hazards.....	9
20 Mechanical strength.....	10
21 Construction.....	10
22 Internal wiring.....	11
23 Components.....	11
24 Supply connection and external flexible cords.....	11
25 Terminals for external conductors.....	11
26 Provision for earthing.....	11
27 Screws and connections.....	11
28 Creepage distances, clearances and distances through insulation.....	11
Annexes.....	14
Annex I (informative) Measurement of noise and vibration emissions.....	14
Annex K (normative) Battery tools and battery packs.....	17
Bibliography.....	18
Figure 101 – Rod test for the in-feed nip between the belt and roller.....	12
Figure 102 – Steel ball test for the in-feed nip between the belt housing enclosure and roller.....	13
Figure I.101 – Position of transducers for sanders and polishers.....	16

Table 4 – Required performance levels .....	9
Table I.101 – Operating conditions for sanders .....	15
Table I.102 – Operating conditions for polishers .....	15

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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### **ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY –**

#### **Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type**

#### FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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**This consolidated version of the official IEC Standard and its amendment has been prepared for user convenience.**

**IEC 62841-2-4 edition 1.1 contains the first edition (2014-06) [documents 116/164/FDIS and 116/178/RVD], its corrigendum (2025-10) and its amendment 1 (2025-02) [documents 116/864/FDIS and 116/880/RVD].**

**In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough**

**red text. A separate Final version with all changes accepted is available in this publication.**

International Standard IEC 62841-2-4 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This Part 2-4 is to be used in conjunction with the first edition of IEC 62841-1 (2014).

This Part 2-4 supplements or modifies the corresponding clauses in IEC 62841-1, so as to convert it into the IEC Standard: Particular requirements for hand-held sanders and polishers other than disc type.

Where a particular subclause of Part 1 is not mentioned in this Part 2-4, that subclause applies as far as reasonable. Where this standard states “addition”, “modification” or “replacement”, the relevant text in Part 1 is to be adapted accordingly.

The following print types are used:

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

The terms defined in Clause 3 are printed in **bold typeface**.

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

A list of all parts of the IEC 62841 series, under the general title: *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety*, can be found on the IEC website.

The committee has decided that the contents of this document and its amendment will remain unchanged until the stability date indicated on the IEC website under [webstore.iec.ch](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 36 months from the date of publication.

The content of the corrigendum 1 (2025-10) has been included in this copy.

# ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY –

## Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type

### 1 Scope

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

*Addition:*

This part of IEC 62841 applies to hand-held **sanders** and **polishers** with the exception of disc-type tools covered by IEC 62841-2-3.

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

### 2 Normative references

This clause of Part 1 is applicable.

## CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references .....	6
3 Terms and definitions .....	6
4 General requirements .....	7
5 General conditions for the tests .....	7
6 Radiation, toxicity and similar hazards.....	7
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11 Input and current .....	8
12 Heating.....	8
13 Resistance to heat and fire.....	8
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22 Internal wiring.....	10
23 Components .....	11
24 Supply connection and external flexible cords .....	11
25 Terminals for external conductors.....	11
26 Provision for earthing .....	11
27 Screws and connections.....	11
28 Creepage distances, clearances and distances through insulation.....	11
Annexes .....	14
Annex I (informative) Measurement of noise and vibration emissions.....	14
Annex K (normative) Battery tools and battery packs .....	17
Bibliography.....	18
Figure 101 – Rod test for the in-feed nip between the belt and roller.....	12
Figure 102 – Steel ball test for the in-feed nip between the belt housing enclosure and roller.....	13
Figure I.101 – Position of transducers for sanders and polishers .....	16

Table 4 – Required performance levels .....	9
Table I.101 – Operating conditions for sanders .....	15
Table I.102 – Operating conditions for polishers .....	15

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