

INTERNATIONAL STANDARD

**Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety -
Part 3-16: Particular requirements for transportable belt sanders, disc sanders and belt/disc sanders**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Electric motor-operated hand-held tools, transportable tools
and lawn and garden machinery - Safety -
Part 3-16: Particular requirements for transportable belt sanders,
disc sanders and belt/disc sanders**

FOREWORD

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IEC 62841-3-16 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
116/915/FDIS	116/927/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

This Part 3-16 is to be used in conjunction with the first edition of IEC 62841-1:2014 and IEC 62841-1:2014/AMD1:2025.

This Part 3-16 supplements or modifies the corresponding clauses in IEC 62841-1:2014, so as to convert it into the IEC Standard: Particular requirements for transportable belt sanders, disc sanders and belt/disc sanders.

Where a particular subclause of IEC 62841-1:2014 is not mentioned in this Part 3-16, that subclause applies as far as relevant. Where this document states "addition", "modification" or "replacement", the relevant text in IEC 62841-1:2014 is to be adapted accordingly.

The following print types are used:

- *test specifications: in italic type;*
- Subclauses, notes, tables and figures which are additional to those in IEC 62841-1:2014, except as described for Annex K and Annex L below, are numbered starting from 101.
- Subclauses, notes, tables and figures in Annex K and Annex L which are additional to those in the main body of this document are numbered starting from 301.

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations can 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.

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 will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

1 Scope

IEC 62841-1:2014, Clause 1 is applicable, except as follows.

Addition:

This document applies to transportable **belt sanders**, **disc sanders** and **belt/disc sanders** which are equipped with

- a **sanding belt**; or
- a **sanding disc**; or
- a **sanding belt** and a **sanding disc**

for sanding solid materials.

This document does not apply to hand-held disc-type sanders.

NOTE 101 Hand-held disc-type sanders are covered by IEC 62841-2-3.

This document does not apply to hand-held **belt sanders**.

NOTE 102 Hand-held **belt sanders** are covered by IEC 62841-2-4.

2 Normative references

IEC 62841-1:2014, Clause 2 is applicable, except as follows.

Addition:

IEC 62841-1:2014, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 1: General requirements*
IEC 62841-1:2014/AMD1:2025

3 Terms and definitions

IEC 62841-1:2014, Clause 3 and IEC 62841-1:2014/AMD1:2025, Clause 3 are applicable, except as follows.

Addition:

3.101

back stop

surface or device intended to support or to guide the workpiece when sanding with a **sanding belt**

3.102

belt sander

tool designed for sanding, equipped with a **sanding belt** that is rotated over a flat surface

3.103

belt/disc sander

tool designed for sanding, equipped with

- a **sanding belt** that is rotated over a flat surface; and
- a **sanding disc** that is mounted on a flat surface and provided with a **work table**

Note 1 to entry: See Figure 101.

3.104

disc sander

tool designed for sanding, equipped with a **sanding disc** that is mounted on a flat surface and provided with a **work table**

3.105

sanding belt

endless belt surfaced with an abrasive used for sanding

3.106

sanding disc

disc surfaced with an abrasive used for sanding

3.107

work table

surface or device intended to support or to guide the workpiece when sanding with a **sanding disc**

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