

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety –
Part 3-11: Particular requirements for transportable combined mitre and bench
saws**

**Outils électroportatifs à moteur, outils portables et machines pour jardin et
pelouses – Sécurité –
Partie 3-11: Exigences particulières pour les scies circulaires combinées à
onglet et à table transportables**



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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms and definitions	7
4 General requirements	13
5 General conditions for the tests	13
6 Radiation, toxicity and similar hazards.....	13
7 Classification.....	13
8 Marking and instructions.....	14
9 Protection against access to live parts.....	22
10 Starting	22
11 Input and current	22
12 Heating.....	22
13 Resistance to heat and fire.....	22
14 Moisture resistance	22
15 Resistance to rusting.....	22
16 Overload protection of transformers and associated circuits.....	22
17 Endurance.....	22
18 Abnormal operation	23
19 Mechanical hazards.....	23
20 Mechanical strength	36
21 Construction.....	37
22 Internal wiring.....	51
23 Components.....	51
24 Supply connection and external flexible cables and cords.....	52
25 Terminals for external conductors.....	52
26 Provision for earthing.....	52
27 Screws and connections.....	52
28 Creepage distances, clearances and distances through insulation.....	52
Annexes	53
Annex I (informative) Measurement of noise and vibration emissions.....	53
Annex K (normative) Battery tools and battery packs.....	54
Annex L (normative) Battery tools and battery packs provided with mains connection or non-isolated sources.....	55
Bibliography.....	56
Figure 101 – Combined mitre and bench saw (type "A").....	8
Figure 102 – Combined mitre and bench saw (type "B").....	9
Figure 103 – Saw blade areas – Combined mitre and bench saw in mitre saw position (type "B").....	26
Figure 104 – Test probe.....	27
Figure 105 – Self-closing guard – Opening angle.....	27

Figure 106 – Open guard construction	28
Figure 107 – Top guard side walls	30
Figure 108 – Riving knife mounted guard	31
Figure 109 – Saw blade guard – Stability test	32
Figure 110 – Guarding below the bench saw table (type "B" saw)	35
Figure 111 – Dimensions of the bench saw table	39
Figure 112 – Width of the slot in the table	40
Figure 113 – Guarding of saw blade relative to mitre saw table position (type "A" saw).....	41
Figure 114 – Riving knife adjustment	43
Figure 115 – Riving knife testing – Stability of riving knife.....	44
Figure 116 – Riving knife testing – Resiliency of riving knife	45
Figure 117 – Two position rip fence	46
Figure 118 – Saw with centre workpiece support in mitre saw mode	48
Figure 119 – Flange characteristics	49
Figure 120 – Distance between fence and saw blade in mitre saw mode	50
Figure 121 – Example of a push stick	51
Table 4 – Required performance levels	23
Table 101 – Metal saw blade guard characteristics	36
Table I.101 – Noise test conditions for combined mitre and bench saws	53

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

**Part 3-11: Particular requirements for transportable
combined mitre and bench saws**

FOREWORD

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IEC 62841-3-11 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
116/802/FDIS	116/824/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 is to be used in conjunction with IEC 62841-1:2014.

This document supplements or modifies the corresponding clauses in IEC 62841-1, so as to convert it into the IEC Standard: Particular requirements for transportable combined mitre and bench saws.

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

The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- terms defined in Clause 3: in **bold type**
- notes: in small roman type.

Subclauses, notes, tables and figures which are additional to those in IEC 62841-1 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.

A list of all parts in the IEC 62841 series, published 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.

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/standardsdev/publications.

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.

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.

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

Part 3-11: Particular requirements for transportable combined mitre and bench saws

1 Scope

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

Addition:

This part of IEC 62841 applies to transportable **combined mitre and bench saws** intended to be used with a toothed saw blade for cutting wood and analogous materials, plastics and nonferrous metals except magnesium with a saw blade diameter not exceeding 315 mm, which hereinafter is simply referred to as saw or tool.

This document does not apply to

- saws intended to cut other metals, such as magnesium, steel, and iron, or food;
- saws with an automatic feeding device;
- saws designed for use with abrasive wheels;
- saws designed for use with dado blades;
- single function bench or table saws;
- single function mitre saws;
- **combined mitre and bench saws** other than transportable.

NOTE 101 Transportable saws intended to cut ferrous metals will be covered by a future part of IEC 62841-3.

NOTE 102 **Transportable tools** designed for use with abrasive wheels are covered by IEC 62841-3-10:2015.

NOTE 103 Transportable table saws are covered by IEC 62841-3-1:2014.

NOTE 104 Transportable mitre saws are covered by IEC 62841-3-9:2020.

NOTE 105 In Europe (EN IEC 62841-3-11), the following additional NOTE applies:

NOTE Z101 **Combined mitre and bench saws** other than transportable are covered by EN 1870-3:2014.

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*

ISO 180, *Plastics – Determination of Izod impact strength*

NOTE 101 In Europe (EN IEC 62841-3-11), the following additional normative reference applies:

EN 847-1:2017, *Tools for woodworking – Safety requirements – Part 1: Milling tools, circular saw blades*