

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

**Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety –
Part 3-4: Particular requirements for transportable bench grinders**

**Outils électroportatifs à moteur, outils portables et machines pour jardins et pelouses – Sécurité –
Partie 3-4: Exigences particulières pour les tourets à meuler transportables**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE
TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY –****Part 3-4: Particular requirements for transportable bench grinders****AMENDMENT 2****FOREWORD**

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Amendment 2 to IEC 62841-3-4:2016 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools.

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

Draft	Report on voting
116/693/FDIS	116/731/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 Amendment 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/.

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- withdrawn, or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

Add, at the end of Clause 1, the following new paragraph:

This document does not apply to tools intended for lapidary grinding operations.

3 Terms and definitions

Add, at the end of Clause 3, the following new definitions:

3.104

brush guard

guard which partly encloses the wire brush and gives protection to the operator

3.105

wheel guard

guard which partly encloses the type 1 grinding wheel and gives protection to the operator

8 Marking and instructions

Add, at the end of 8.14.1.101, the following new warning:

- e) **Use only accessories that are specified for your power tool and the specific guard designed for the selected accessory.** *Accessories for which the power tool was not designed cannot be adequately guarded.*

Add, at the end of 8.14.2 a), the following new instruction:

105) Information about the correct **guard** to be used for each recommended **accessory**.

19 Mechanical hazards

Replace the existing text of 19.1 with the following new text:

19.1 Replacement of the first paragraph:

Moving and dangerous parts other than the **accessories** shall be so positioned or enclosed to provide adequate protection against personal injury. The guarding of **accessories** is covered in 19.1.101 through 19.1.104.

For grinding wheels, a **wheel guard** in accordance with 19.1.101 and 19.1.102, a **work rest** in accordance with 19.1.102 and a transparent screen in accordance with 19.1.103 shall be provided.

For wire brushes, a **brush guard** in accordance with 19.1.104 and a transparent screen in accordance with 19.1.103 shall be provided. For **brush guards** where the angle α as shown in Figure 107 is $< 90^\circ$, a **work rest** in accordance with 19.1.102 is required.

For polishing wheels, a **guard**, a **work rest** and a transparent screen are not required.

Wheel guards and brush guards

- shall be designed so that the **tool spindle** cannot be fitted with an **accessory** greater than 1,07 times the maximum diameter marked on the **bench grinder**; and
- shall not be removable without the aid of a tool.

19.1.101 Guards

Replace the existing title and text with the following:

19.1.101 Wheel guards

Wheel guards shall cover the periphery and the sides of the **accessory**, flanges and the end of the **tool spindle**, except a portion of the **accessory** as allowed in 19.1.102 and indicated in Figure 102.

The **wheel guard** shall be constructed so that removal of the peripheral protecting member is not necessary for replacement of the **accessory**.

Compliance is checked by inspection and by measurement.

19.1.102 Openings in the guard

Replace the existing title and text with the following:

19.1.102 Openings in the wheel guard

The opening angle in a **wheel guard** shall not exceed 65° above the horizontal plane passing through the centre of the wheel. The total opening angle shall not exceed 90° . See Figure 102.

Compliance is checked by inspection and by measurement.