

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electric motor-operated tools – Dust measurement procedure –
Part 2-3: Particular requirements for hand-held concrete grinders and disc-type
sanders**

**Outils électroportatifs à moteur – Procédure de mesure de la poussière –
Partie 2-3: Exigences particulières pour les rectifieuses à béton et les ponceuses
à disque portatives**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRIC MOTOR-OPERATED TOOLS –
DUST MEASUREMENT PROCEDURE –**
**Part 2-3: Particular requirements for hand-held concrete
grinders and disc-type sanders**

FOREWORD

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IEC 63241-2-3 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
116/787/FDIS	116/808/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.

A list of all parts of the IEC 63241 series, under the general title: *Electric motor-operated tools – Dust measurement procedure*, can be found on the IEC website.

This document is to be used in conjunction with IEC 63241-1:2023.

This document supplements or modifies the corresponding clauses in IEC 63241-1, so as to convert it into the IEC Standard: Particular requirements for hand-held concrete grinders and disc-type sanders.

Where a particular subclause of IEC 63241-1 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 63241-1 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 63241-1 are numbered starting from 101.

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 TOOLS – DUST MEASUREMENT PROCEDURE –

Part 2-3: Particular requirements for hand-held concrete grinders and disc-type sanders

1 Scope

IEC 63241-1:2023, Clause 1 is applicable, except as follows:

Addition:

This part of IEC 63241 applies to hand-held **concrete grinders** and **disc-type sanders**.

2 Normative references

IEC 63241-1:2023, Clause 2 is applicable, except as follows:

Addition:

IEC 63241-1:2023, *Electric motor-operated tools – Dust measurement procedure – Part 1: General requirements*

EN 1339:2003, *Concrete paving flags – Requirements and test methods*

EN 12859:2011, *Gypsum blocks – Definitions, requirements and test methods*

3 Terms and definitions

IEC 63241-1:2023, Clause 3 is applicable, except as follows:

Addition:

3.101

concrete grinder

tool intended for smoothing and deburring concrete surfaces by means of diamond wheels

3.102

disc-type sander

tool driving a rotating spindle on which a sanding accessory is mounted

4 Test procedure

IEC 63241-1:2023, Clause 4 is applicable, except as follows:

4.3 Operating conditions

Addition:

Concrete grinders are tested under load observing the conditions shown in Table 101.