

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Electric motor-operated tools – Dust measurement procedure –  
Part 2-1: Particular requirements for hand-held core drills**

**Outils électroportatifs à moteur – Procédure de mesure de la poussière –  
Partie 2-1: Exigences particulières pour les foreuses portatives**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## ELECTRIC MOTOR-OPERATED TOOLS – DUST MEASUREMENT PROCEDURE –

### Part 2-1: Particular requirements for hand-held core drills

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IEC 63241-2-1 has been prepared by IEC technical committee 116: Safety of motor-operated electrical tools. It is an International Standard.

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

Draft	Report on voting
116/756/FDIS	116/792/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

This Part 2-1 is to be used in conjunction with the first edition of IEC 63241-1:2023.

This Part 2-1 supplements or modifies the corresponding clauses in IEC 63241-1, so as to convert it into the IEC Standard: *Electric motor-operated tools – Dust measurement procedure – Particular requirements for hand-held core drills*.

Where a particular subclause of IEC 63241-1:2023 is not mentioned in this Part 2-1, that subclause applies as far as relevant. 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 63241 series, under the general title: *Electric motor-operated tools – Dust measurement procedure*, 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](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

# ELECTRIC MOTOR-OPERATED TOOLS – DUST MEASUREMENT PROCEDURE –

## Part 2-1: Particular requirements for hand-held core drills

### 1 Scope

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

*Addition:*

This part of IEC 63241 applies to hand-held **core drills**.

### 2 Normative references

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

*Addition:*

EN 771-4:2011, *Specification for masonry units – Part 4: Autoclaved aerated concrete masonry units*

Amendment 1:2015

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

### 3 Terms and definitions

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

*Addition:*

#### 3.101

#### **core drill**

drill designed to be equipped with an accessory for drilling concrete or brick with or without water supply and with or without percussion

### 4 Test procedure

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

#### 4.3 Operating conditions

*Addition:*

**Core drills** are tested under load, observing the conditions shown in Table 101.

*For battery operated tools, the tests are conducted with a battery recommended by the manufacturer for the tool with capacity and charge to complete the tests.*