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This full version of IEC 63241-2-19:2025 includes the content of the references made to IEC 63241-1:2023

Electric motor-operated tools - Dust measurement procedure -
Part 2-19: Particular requirements for hand-held jointers

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CONTENTS

FOREWORD 2
INTRODUCTION to IEC 63241-1:2023 4
1 Scope 5
2 Normative references 5
3 Terms and definitions 5
4 Test procedure 7
4.1 General 7
4.2 Test room and equipment 7
4.3 Operating conditions 8
4.4 Acceptance criteria 10
5 Instrumentation 11
5.1 Instrumentation for measuring operating conditions 11
5.2 Instrumentation for measuring climatic conditions 11
6 Information to be reported 11
Bibliography 16

Figure 1 – Positions of dust samplers and workpiece for the measurement of only one dust fraction 13
Figure 2 – Positions of dust samplers and workpiece for the measurement of two dust fractions 14
Figure 1 – Orientation of workpiece, tool and operator during the tests 15

Table 1 – Operating conditions for jointers intended to cut wood 10

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Electric motor-operated tools - Dust measurement procedure - Part 2-19: Particular requirements for hand-held jointers

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IEC 63241-2-19:2025 EXV includes the content of IEC 63241-2-19:2025, and the references made to IEC 63241-1:2023.

The specific content of IEC 63241-2-19:2025 is displayed on a blue background.

IEC 63241-2-19 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
116/840/CDV	116/884A/RVC

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 the first edition of IEC 63241-1:2023.

The following print types are used:

– *test specifications: in italic type.*

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.

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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

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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.

INTRODUCTION to IEC 63241-1:2023

Inhalable dust emitted by electric motor-operated tools can present a hazard to the operator and other exposed persons.

Therefore, this document specifies a procedure to measure the **dust** concentration produced by an electric power tool under standardized conditions representing typical applications. However, the **dust** concentration during actual use of the power tool can differ from the **dust** concentration measured in accordance with this document depending on the ways in which the tool is used.

The results of **dust** measurements can be used

– for a declaration of the **dust** emission;

– for comparing the **dust** emission from tools of the same type; or

– in a preliminary assessment of **dust** exposure at a workplace.

For all purposes, it is important to specify measurement procedures with known accuracy so that the results of measurements taken by different laboratories can be compared.

The measurements of **dust** concentration are made in accordance with EN 1093-9:1998 and EN 1093-9:1998/A1:2008 for the test room.

1 Scope

This document specifies general requirements for the **dust** measurement of electric motor-operated tools supplied from mains or from batteries. This document applies to those tools with and without a **dust extraction unit** where **dust** such as mineral **dust** containing silica or wood **dust** is expected.

This part of IEC 63241 applies to jointers (3.1).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

EN 1093-9:1998, *Safety of machinery – Evaluation of the emission of airborne hazardous substances – Part 9: Pollutant concentration parameter, room method*
EN 1093-9:1998/A1:2008

EN 13205 (all parts), *Workplace exposure – Assessment of sampler performance for measurement of airborne particle concentrations*

ISO 7708:1995, *Air quality – Particle size fraction definitions for health-related sampling*

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CONTENTS

FOREWORD 2
1 Scope 4
2 Normative references 4
3 Terms and definitions 4
4 Test procedure 4
5 Instrumentation 5
6 Information to be reported 5
Bibliography 7

Figure 1 – Orientation of workpiece, tool and operator during the tests 6

Table 1 – Operating conditions for jointers intended to cut wood 4

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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.

1 Scope

IEC 63241-1:2023, Clause 1 is applicable, with the following addition:

This part of IEC 63241 applies to jointers (3.1).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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