
Elektromotorna orodja - Postopek merjenja prahu - 2-14. del: Posebne zahteve za poravnalne skobeljnike

Electric motor-operated tools - Dust measurement procedure - Part 2-14: Particular requirements for planers

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ICS:

25.100.25	Orodja za glajenje in ravnalna orodja	Tools for planing and broaching machines
25.140.20	Električna orodja	Electric tools

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EUROPEAN STANDARD

EN 50632-2-14

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English Version

Electric motor-operated tools - Dust measurement procedure - Part 2-14: Particular requirements for planers

Outils électriques à moteur - Procédure de mesure de la
poussière - Partie 2-14: Exigences particulières pour les
raboteuses

Motorbetriebene Elektrowerkzeuge - Staubmessverfahren -
Teil 2-14: Besondere Anforderungen für Hobel

This European Standard was approved by CENELEC on 2016-05-03. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

This document (EN 50632-2-14:2016) has been prepared by CLC/TC 116 "Safety of motor-operated electric tools".

The following dates are fixed:

- latest date by which this document has (dop) 2017-05-03
to be implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2018-05-03
standards conflicting with this
document have to be withdrawn

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This European Standard is divided into three parts:

Part 1: General requirements for the dust measurement which are common to electric motor-operated tools (for the purpose of this standard referred to simply as tools);

Part 2 or 3: Requirements for the dust measurement for particular types of tools, which either supplement or modify the requirements given in Part 1 to account for the particular characteristics of these specific tools.

This Part 2 is to be used in conjunction with EN 50632-1:2015.

This Part 2 supplements or modifies the corresponding clauses in EN 50632-1:2015.

This Part 2 was developed to set out requirements for the measurement of the concentration for inhalable and respirable dust emitted by planers.

Where a particular subclause of Part 1 is not mentioned in this Part 2, that subclause applies as far as reasonable. When this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

Subclauses, tables and figures which are additional to those in Part 1 are numbered starting from 101.

This European Standard has been drafted in accordance with the CEN/CENELEC Internal Regulations, Part 3.

The following print types are used:

- requirements proper: in roman type;
- *test specifications: in italic type;*
- explanatory matter: in smaller roman type.

The terms defined in Clause 3 are printed in **bold typeface**.

EN 50632-2-14:2016 (E)**1 Scope**

This clause of Part 1 is applicable except as follows:

Addition:

This part of EN 50632 applies to **planers**.

2 Normative references

This clause of Part 1 is applicable.

3 Terms and definitions

This clause of Part 1 is applicable except as follows:

3.101**planer**

tool intended for removing surface material, equipped with a rotating cutting head where the axis of rotation of the cutting head is parallel to the base plate, which is the part supporting the planer on the workpiece

Note 1 to entry: The base plate consists of a fixed shoe and an adjustable shoe that determines the depth of cut.

4 Test procedure

This clause of Part 1 is applicable except as follows:

4.3 Operating conditions

Addition:

Planers intended to cut wood are tested under load observing the conditions shown in Table 101.

Table 101 — Operating conditions for planers intended to cut wood

Material and set-up	Beech: length = (400 ± 2) mm, width = planing width minus (15 ± 2) mm, thickness sufficient for one test cycle. At the beginning of the test the wood shall have a humidity of maximum 12 %. The work-piece is mounted horizontally on a bench with a suitable working height (approximately 900 mm).
Orientation and operation	Planing the complete length of 400 mm at the depth of cut specified below.
Tool bit/settings	New blades at the beginning of each of the three tests. Cutting depth: 0,5 mm or maximum cutting depth if less than 0,5 mm.
Feed force	The feed force applied to the tool shall be sufficient to ensure stable operation with good performance.
Test	During the working time of one test cycle, 80 planing operations as specified above are performed equally distributed over the working time. NOTE Performing 80 planing operations in 10 min will require a working speed of 4,0 m/min, including sufficient time between the individual planing operations.

5 Instrumentation

This clause of Part 1 is applicable.

6 Information to be reported

This clause of Part 1 is applicable.

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