



NSAI
Standards

Irish Standard
I.S. EN 50632-2-14:2016&A1:2021

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

I.S. EN 50632-2-14:2016&A1:2021

Incorporating amendments/corrigenda/National Annexes issued since publication:

EN 50632-2-14:2016/A1:2021

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

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National Foreword

I.S. EN 50632-2-14:2016&A1:2021 is the adopted Irish version of the European Document EN 50632-2-14:2016, Electric motor-operated tools - Dust measurement procedure - Part 2-14: Particular requirements for planers

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50632-2-14:2016/A1

September 2021

ICS 13.040.40; 25.140.20

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 amendment A1 modifies the European Standard EN 50632-2-14:2016; it was approved by CENELEC on 2021-08-09. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 50632-2-14:2016/A1:2021 (E)

Contents	Page
European foreword.....	3
1 Modification to the European foreword.....	4
2 Modification to 4.3, “Operating conditions”	4
3 Addition of Figure 101	5

European foreword

This document (EN 50632-2-14:2016/A1:2021) has been prepared by CLC/TC 116 “Safety and environmental aspects of motor-operated electric tools”.

The following dates are fixed:

- latest date by which this document has to be (dop) 2022-08-09
implemented at national level by publication of
an identical national standard or by
endorsement
- latest date by which the national standards (dow) 2024-08-09
conflicting with this document have to be
withdrawn

This amendment was developed to include improvements and clarifications suggested by practical tests.

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

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

EN 50632-2-14:2016/A1:2021 (E)

1 Modification to the European foreword

Replace the 5th paragraph with the following:

“This Part 2 is to be used in conjunction with EN 50632-1:2015 and its amendments.”

2 Modification to 4.3, “Operating conditions”

Replace the existing Table 101 with the following:

“

Table 101 — Operating conditions for planers intended to cut wood

Material and set-up	Beech: length = (400 ± 2) mm, width a = 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 working height matching the requirement for the vertical distance between the upper surface of the workpiece and the intake openings of the dust samplers as specified in 4.2.
Orientation and operation	Planing the complete length of 400 mm at the depth of cut specified below. During the test, the operator shall be positioned as illustrated in Figure 101. The test set-up illustrated in Figure 101 is appropriate for tools for right-handed use. For tools for left-handed use, the test set-up may be mirror-inverted.
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.

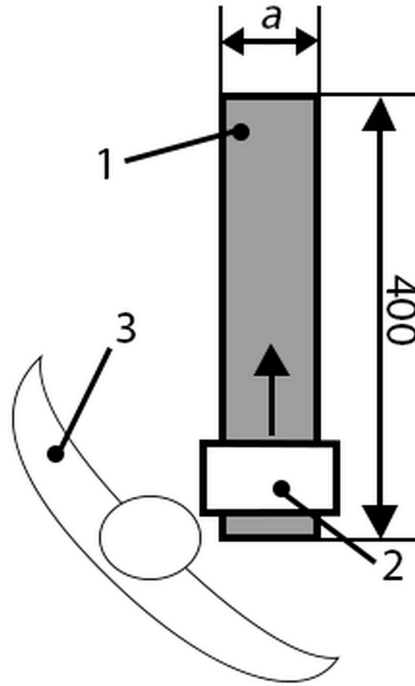
“

3 Addition of Figure 101

After Clause 6, **add** the following new figure:

“

Dimensions in millimetres



Key

- 1 workpiece
- 2 tool
- 3 operator
- a width of the workpiece

Figure 101 — Orientation of workpiece, tool and operator during the tests

”

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EUROPEAN STANDARD

EN 50632-2-14

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2016

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English Version

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

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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.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
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Contents

European foreword.....	3
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
 Tables	
Table 101 – Operating conditions for planers intended to cut wood.....	5

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.

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