



**NSAI**  
Standards

Irish Standard  
I.S. EN 50632-3-1:2016&A1:2021

Electric motor-operated tools - Dust  
measurement procedure - Part 3-1:  
Particular requirements for transportable  
table saws

**I.S. EN 50632-3-1:2016&A1:2021**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

EN 50632-3-1:2016/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.*

*This document is based on:*

EN 50632-3-1:2016

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Údarás um Chaighdeáin Náisiúnta na hÉireann

## National Foreword

I.S. EN 50632-3-1:2016&A1:2021 is the adopted Irish version of the European Document EN 50632-3-1:2016, Electric motor-operated tools - Dust measurement procedure - Part 3-1: Particular requirements for transportable table saws

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

**EN 50632-3-1:2016/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2021

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ICS 79.120.10; 13.040.40

English Version

## Electric motor-operated tools - Dust measurement procedure - Part 3-1: Particular requirements for transportable table saws

Outils électriques à moteur - Procédure de mesure de la  
poussière - Partie 3-1: Exigences particulières pour les  
scies à table transportables

Motorbetriebene Elektrowerkzeuge - Staubmessverfahren -  
Teil 3-1: Besondere Anforderungen für transportable  
Tischkreissägen

This amendment A1 modifies the European Standard EN 50632-3-1:2016; 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 50632-3-1:2016/A1:2021 (E)**

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## European foreword

This document (EN 50632-3-1:2016/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 implemented at national level by publication of an identical national standard or by endorsement (dop) 2022-08-09
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2024-08-09

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.

## 1 Modification to the European foreword

*Replace the 5<sup>th</sup> paragraph with the following:*

“This Part 3 is to be used in conjunction with EN 50632-1:2015 and its amendments.”

## 2 Modification to 4.3, “Operating conditions”

*Replace the existing subclause 4.3 with the following:*

### “4.3 Operating conditions

*Addition:*

Transportable **table saws** are tested under load observing the conditions shown in Table 101.

During the test, **table saws** supplied with a working stand are placed on this working stand.

Other **table saws** are placed on a test 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.

**Table 101 — Operating conditions for transportable table saws**

<b>Material and set-up</b>	Chipboard: P2 in accordance with EN 312:2010, density $(610 \pm 60)$ kg/m <sup>3</sup> , thickness $(19 \pm 1)$ mm, length $(800 \pm 2)$ mm, any width.
<b>Orientation and operation</b>	Sawing of approximately 10 mm wide strips by means of a rip fence, over the length of 800 mm.
<b>Tool bit/settings</b>	New saw blade as specified by the manufacturer for sawing chipboard at the beginning of each of the three tests. Speed setting devices, if any, shall be adjusted to the setting specified for sawing chipboard. Cutting depth: $(22 \pm 1)$ mm, or as close as possible to this value.
<b>Feed force</b>	The feed force applied to the workpiece shall be sufficient to ensure stable operation with good performance. Excessive force or speed to cut through the workpiece shall be avoided.
<b>Test</b>	During the working time of one test cycle, the following number of cuts as specified above are performed equally distributed over the working time: — 20 cuts for transportable <b>table saws</b> with a rated input up to and including 2,5 kW; — 30 cuts for transportable <b>table saws</b> with a rated input above 2,5 kW. NOTE 20 cuts in 10 min will require a cutting speed of approximately 2,0 m/min, 30 cuts in 10 min will require a cutting speed of approximately 2,8 m/min, including sufficient time between the individual cuts.  If the above cannot be achieved within 10 min, the time is extended to allow the required number of cuts.



EUROPEAN STANDARD

**EN 50632-3-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2016

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ICS 79.120.10; 13.040.40

English Version

## Electric motor-operated tools - Dust measurement procedure - Part 3-1: Particular requirements for transportable table saws

Outils électriques à moteur - Procédure de mesure de la  
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Teil 3-1: Besondere Anforderungen für transportable  
Tischkreissägen

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 50632-3-1:2016) 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 to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-05-03
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2018-05-03

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 3 is to be used in conjunction with EN 50632-1:2015.

This Part 3 supplements or modifies the corresponding clauses in EN 50632-1:2015.

This Part 3 was developed to set out requirements for the measurement of the concentration for inhalable and respirable dust emitted by transportable table saws.

Where a particular subclause of Part 1 is not mentioned in this Part 3, 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 50632-3-1:2016 (E)

### 1 Scope

This clause of Part 1 is applicable, except as follows:

*Addition:*

This part of EN 50632 applies to transportable **table saws** intended to cut wood or wood-based materials.

### 2 Normative references

This clause of Part 1 is applicable, except as follows:

*Addition:*

EN 312:2010, *Particleboards - Specifications*

### 3 Terms and definitions

This clause of Part 1 is applicable, except as follows:

#### 3.101

##### **table saw**

tool with a rotating toothed saw blade that projects through a slot in a table which supports and positions the workpiece, where the workpiece is fed towards the saw blade and the motor and drive assembly for the saw blade are located below the table top

### 4 Test procedure

This clause of Part 1 is applicable, except as follows:

#### 4.3 Operating conditions

*Addition:*

Transportable **table saws** are tested under load observing the conditions shown in Table 101.

During the test, **table saws** supplied with a working stand are placed on this working stand.

Other **table saws** are placed on a test bench with a height of approximately 750 mm.

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