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NSAI Standards

Irish Standard
I.S. EN 62841-3-9:2015&AC:2016-09&A11:2017

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-9: Particular requirements for transportable mitre saws

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EN 62841-3-9:2015/A11:2017 EN 62841-3-9:2015/AC:2016-09

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This document is based on:	*Published:*
EN 62841-3-9:2015	2015-12-18

This document was published under the authority of the NSAI and comes into effect on:	ICS number:
2017-12-26	25.140.20
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EN 62841-3-9:2015/A11

December 2017

ICS 25.140.20

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Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-9: Particular requirements for transportable mitre saws

Outils électroportatifs à moteur, outils portables et machines pour jardins et pelouses - Sécurité - Partie 3-9: Exigences particulières pour les scies à onglets transportables

Elektrische motorbetriebene handgeführte Werkzeuge, transportable Werkzeuge und Rasen- und Gartenmaschinen - Sicherheit - Teil 3-9: Besondere Anforderungen für transportable Gehrungskappsägen

This amendment A11 modifies the European Standard EN 62841-3-9:2015; it was approved by CENELEC on 2017-10-19. 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.

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

This document (EN 62841-3-9:2015/A11:2017) 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)	2018-10-19
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This amendment was developed to delete the requirement for the declaration of vibration for transportable tools, since the vibration for transportable tools is not required to be measured.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

In this European Standard the following print types are used:
- requirements proper: in roman type;
- *test specifications: in italic type;*
- explanatory matter: in smaller roman type.

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN 62841-3-9:2015/AC:2016-09

September 2016

ICS 25.140.20

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Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-9: Particular requirements for transportable mitre saws (IEC 62841-3-9:2014/COR2:2016)

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This corrigendum becomes effective on 23 September 2016 for incorporation in the English language version of the EN.

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Comité Européen de Normalisation Electrotechnique
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Endorsement notice

The text of the corrigendum IEC 62841-3-9:2014/COR2:2016 was approved by CENELEC as EN 62841-3-9:2015/AC:2016-09 without any modification.

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 62841-3-9
Edition 1.0 2014-08

ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY – Part 3-9: Particular requirements for transportable mitre saws

IEC 62841-3-9
Édition 1.0 2014-08

OUTILS ELECTROPORTATIFS A MOTEUR, OUTILS PORTABLES ET MACHINES POUR JARDINS ET PELOUSES – SECURITE – Partie 3-9: Exigences particulières pour les scies à onglets transportables

CORRIGENDUM 2

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

NOTE Rationale for this corrigendum: The requirement in 8.3 is intended to permit the marking of all wheel diameters (both in mm and in inch) which represent basically the same wheel size. Most of these diameter pairs differ by approximately 2 %, because they are either a multiple of 1” (25,4 mm) or a multiple of 25 mm. However, for 8” wheels (216 mm), the common size in mm is 210 mm. And for 12” (304,8 mm), the common size in mm is 315 mm.

To cover these pairs, the factor 0,975 is to be reduced to 0,96.

8 Marking and instructions

Replace the first paragraph in 8.3 with the following:

Mitre saws shall be marked with the saw blade diameter(s). The marked value(s) shall not be larger than ***D*** and shall not be less than 0,96 ***D***.

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Corrections à la version française:

NOTE Motif de ce corrigendum: L'exigence de 8.3 est destinée à permettre le marquage de tous les diamètres de roue (en mm et en inch) qui représentent basiquement la même taille de roue. La plupart de ces paires de diamètres diffèrent d'approximativement 2 % car ils sont soit un multiple de 1″ (25,4 mm) ou un multiple de 25 mm. Toutefois, pour les roues de 8″ (216 mm), la taille courante en mm est 210 mm. Et pour 12″ (304,8 mm), la taille courante est 315 mm.

Pour couvrir ces paires, le facteur 0, 975 doit être réduit à 0,96.

8 Marquage et instructions

Remplacer le premier alinéa de 8.3 par le suivant:

Les **scies à onglets** doivent comporter un marquage indiquant le ou les diamètres de lame de scie. La ou les valeurs marquées ne doivent pas être supérieures à ***D*** et ne doivent pas être inférieures à 0,96 ***D***.

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EUROPÄISCHE NORM

EN 62841-3-9

December 2015

ICS 25.140.20

Supersedes EN 61029-2-9:2012

English Version

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European foreword

The text of document 116/181/FDIS, future edition 1 of IEC 62841-3-9, prepared by IEC/TC 116 "Safety of motor-operated electric tools" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62841-3-9:2015.

A draft amendment, which covers common modifications to IEC 62841-3-9:2014, was prepared by CLC/TC 116 “Safety of motor-operated electric tools” and approved by CENELEC.

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) 2016-06-18
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2019-11-15

EN 62841-3-9:2015 supersedes EN 61029-2-9:2012 + A11:2013.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

This European Standard is divided into four parts:

Part 1: General requirements which are common to most electric motor operated tools (for the purpose of this standard referred to simply as tools) which could come within the scope of this standard;

Part 2, 3 or 4: Requirements for particular types of tools which either supplement or modify the requirements given in Part 1 to account for the particular hazards and characteristics of these specific tools.

This Part 3-9 is to be used in conjunction with EN 62841-1:2015. This Part 3-9 supplements or modifies the corresponding clauses in EN 62841-1:2015, so as to convert it into the European Standard: Particular requirements for transportable mitre saws.

Where a particular subclause of Part 1 is not mentioned in this Part 3-9, 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.

Compliance with the clauses of Part 1 together with this Part 3 provides one means of conforming with the essential health and safety requirements of the Directive concerned.

Warning: Other requirements and other EU Directives can be applicable to the products falling within the scope of this standard.

This European Standard follows the overall requirements of EN ISO 12100.

The following print types are used:

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IEC 62841-3-9

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IEC 62841-3-9

Edition 1.0 2014-08

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Outils électroportatifs à moteur, outils portables et machines pour jardins et pelouses – Sécurité – Partie 3-9: Exigences particulières pour les scies à onglets transportables

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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PRICE CODE
CODE PRIX V

ICS 25.140.20

ISBN 978-2-8322-1695-8

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY –

Part 3-9: Particular requirements for transportable mitre saws

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 62841-3-9 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools.

The text of this standard is based on the following documents:

FDIS	Report on voting
116/181/FDIS	116/192/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

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This Part 3-9 is to be used in conjunction with the IEC 62841-1:2014.

This Part 3-9 supplements or modifies the corresponding clauses in IEC 62841-1, so as to convert it into the IEC Standard: Particular requirements for transportable mitre saws.

Where a particular subclause of Part 1 is not mentioned in this Part 3-9, that subclause applies as far as reasonable. 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 62841 series, under the general title: *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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.

The contents of the corrigendum of October 2015 and August 2016 have been included in this copy.

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

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ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY –

Part 3-9: Particular requirements for transportable mitre saws

1 Scope

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

Addition:

This part of IEC 62841 applies to transportable **mitre saws** intended to be used with a toothed saw blade for cutting wood and analogous materials, plastics and nonferrous metals except magnesium with a saw blade diameter not exceeding 360 mm, which hereinafter might simply be referred to as saw or tool.

This standard does not apply to **mitre saws** intended to cut other metals, such as magnesium, steel and iron. This standard does not apply to **mitre saws** with an automatic feeding device.

NOTE 101 Transportable saws intended to cut ferrous metals will be covered by a future part of IEC 62841-3.

This standard does not apply to saws designed for use with abrasive wheels.

NOTE 102 Transportable tools designed for use with abrasive wheels are covered by IEC 62841-3-10.

This standard does not apply to tools combining the function of a **mitre saw** with the function of a table saw.

NOTE 103 Transportable tools combining the function of a **mitre saw** with the function of a table saw are covered by IEC 62841-3-11.

2 Normative references

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

Addition:

ISO 180, *Plastics – Determination of Izod impact strength*

3 Terms and definitions

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

Addition:

3.101
bevel angle
angular displacement of the saw blade plane with respect to the **table top** plane, the position of the saw blade plane that is perpendicular to the **table top** being the 0° bevel position

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