

BS EN 61029-2-9:2012



BSI Standards Publication

Safety of transportable motor-operated electric tools —

Part 2-9: Particular requirements for mitre saws

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National foreword

This British Standard is the UK implementation of EN 61029-2-9:2012. It was derived by CENELEC from IEC 61029-2-9:1995. It supersedes BS EN 61029-2-9:2009, which will be withdrawn on 3 September 2015.

The CENELEC common modifications have been implemented at the appropriate places in the text. The start and finish of each common modification is indicated in the text by tags **C** **C1**.

The UK participation in its preparation was entrusted by Technical Committee CPL/116, Safety of motor-operated electric tool, to Subcommittee CPL/116/3, Safety of electric motor-operated transportable tools.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

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

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

Date	Text affected
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English version

**Safety of transportable motor-operated electric tools -
Part 2-9: Particular requirements for mitre saws**
(IEC 61029-2-9:1995, modified)

Sécurité des machines-outils électriques
semi-fixes -
Partie 2-9: Règles particulières pour les
scies à onglet
(CEI 61029-2-9:1995, modifiée)

Sicherheit transportabler motorbetriebener
Elektrowerkzeuge -
Teil 2-9: Besondere Anforderungen für
Gehrungskappsägen
(IEC 61029-2-9:1995, modifiziert)

This European Standard was approved by CENELEC on 2012-09-03. 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.

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

CENELEC

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

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Foreword

This document (EN 61029-2-9:2012) consists of the text of IEC 61029-2-9:1995 prepared by IEC/SC 61F (transformed into IEC TC 116 "Safety of hand-held motor-operated electric tools"), together with the common modifications prepared by CLC/TC 116 "Safety of motor-operated electric tools".

The following dates are fixed:

- latest date by which the document has to be implemented at national level (dop) 2013-09-03
by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-09-03

This document supersedes EN 61029-2-9:2009.

EN 61029-2-9:2012 includes the following significant technical changes with respect to EN 61029-2-9:2009:

- rewording of some clauses and
- improvement and clarification of Clause 18.

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 two parts:

Part 1 General requirements, which are common to most transportable motor, operated tools (for the purpose of this European Standard referred to simply as tools) which could come within the scope of this European Standard.

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

Compliance with the relevant clauses of Part 1 together with this Part 2 provides one means of conforming to the specified essential health and safety requirements of the Directive.

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

For noise and vibration, this European Standard covers the requirements for their measurement, the provisions of information arising from these measurements and the provision of information about the personal protective equipment required. Specific requirements for the reduction of the risk arising from noise and vibration through the design of the tool are not given as this reflects the current state of the art.

Warning: Other requirements arising from other EU Directives can be applicable to the products falling within the scope of this European Standard.

CEN have prepared standards for wood working machines, which may include transportable machines. Although CEN and CENELEC have, where appropriate, used common solutions to provide uniform levels of protection, persons using this European Standard should check the scope of both this and CEN standards to ensure that a correct standard is used. Where necessary, normative reference is made to these standards in this Part 2.

This Part 2-9 is to be used in conjunction with EN 61029-1:2009. This Part 2-9 supplements or modifies the corresponding clauses of EN 61029-1, so as to convert it into the European Standard: "Safety requirements for transportable mitre saws".

Where a particular subclause of Part 1 is not mentioned in this Part 2-9, that subclause applies as far as is reasonable. Where this Part 2-9 states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

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

Clauses, subclauses, notes, tables and figures which are additional to those in IEC 61029-2-9 are prefixed "Z".

NOTE 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.

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.

For the relationship with EU Directive 2006/42/EC, see informative Annex ZZ, which is an integral part of this document.

Endorsement notice

The text of the International Standard IEC 61029-2-9:1995 was approved by CENELEC as a European Standard with agreed common modifications.

1 Scope

This clause of Part 1 is applicable except as follows:

1.1 Addition:

This European Standard applies to transportable mitre saws with a saw blade diameter not exceeding 350 mm, intended for cutting wood and analogous materials, plastics and non-ferrous metals except magnesium.


1.2 Addition:

This European Standard does not apply to transportable mitre saws used to cut ferrous metal or magnesium.

This standard does not apply to mitre saws other than transportable.

NOTE 1 EN 1870-3 gives requirements for mitre saws for cutting wood other than transportable.

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


NOTE 2 Transportable tools combining the function of a mitre saw with the function of a circular saw bench are covered by EN 61029-2-11. 

2 Definitions

This clause of Part 1 is applicable except as follows:

2.21 Replacement:

2.21 normal load

 load to obtain rated input

2.101


mitre saw

saw consisting of a table which supports and positions the workpiece and a saw unit fitted to an arm which projects over the table, normally from a pivot located at the table or on part of the frame of the machine

Note 1 to entry A mitre saw will have one or more of the following actions, down cutting action or sliding action which may follow or precede any down cutting action and can perform cuts such as angle / mitre, bevel and compound.

2.102

linked action

action of opening and closing of the guard is linked to the corresponding up and down movement of the saw unit. This linked action need not be a rigid connection 

3 General requirements

This clause of Part 1 is applicable.