



NSAI
Standards

Irish Standard
I.S. EN 61029-2-1:2012

Safety of transportable motor-operated
electric tools -- Part 2-1: Particular
requirements for circular saw benches
(IEC 61029-2-1:1993 (MOD) + A1:1999
(EQV) + A2:2001 (EQV))

I.S. EN 61029-2-1:2012

Incorporating amendments/corrigenda issued since publication:

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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.

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English version

Safety of transportable motor-operated electric tools -
Part 2-1: Particular requirements for circular saw benches
(IEC 61029-2-1:1993, modified + A1:1999 + A2:2001)

Sécurité des machines-outils électriques
semi-fixes -
Partie 2-1: Règles particulières pour les
scies circulaires à table
(CEI 61029-2-1:1993, modifiée + A1:1999
+ A2:2001)

Sicherheit transportabler motorbetriebener
Elektrowerkzeuge -
Teil 2-1: Besondere Anforderungen an
Tischkreissägen
(IEC 61029-2-1:1993, modifiziert +
A1:1999 + A2:2001)

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.

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CENELEC

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

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Foreword

This document (EN 61029-2-1:2012) consists of the text of IEC 61029-2-1:1993 and its amendments 1:1999 and 2:2001 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 61029-2-1:2010.

EN 61029-2-1:2012 includes the following significant technical changes with respect to EN 61029-2-1:2010:

- rewording of Clause 7 and
- change of Subclause 13.1 into Annex ZD.

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 provision 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 standard.

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

Where a particular subclause of Part 1 is not mentioned in this Part 2-1, that subclause applies as far as is reasonable. Where this Part 2-1 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 61029-2-1 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 61029-2-1:1993 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 standard applies to circular saw benches intended for cutting wood and analogous materials, plastics and nonferrous metals except magnesium with a saw blade diameter not exceeding 315 mm, which hereinafter may simply be referred to as saw or tool.

1.2 *Addition:*

This standard does not apply to circular saw benches intended to cut other metals, such as magnesium, steel and iron. This standard does not apply to circular saw benches with an automatic feeding device.

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

NOTE Z101 Hand-held electric circular saws and hand-held circular saws mounted on a bench are covered by EN 60745-2-5.

NOTE Z102 EN 1870-1 gives requirements for circular saw benches other than transportable or hand-held electric tools.

NOTE Z103 EN 13898 gives requirements for sawing machines for cold metal.

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

circular saw bench

machine designed to cut wood or similar materials by means of a rotating toothed saw blade which projects through a slot in a table which supports and positions the workpiece. The workpiece is fed by hand towards the saw blade. The motor and drive assembly for the saw blade are located below the level of the table

3 General requirement

This clause of Part 1 is applicable.

4 General notes on tests

This clause of Part 1 is applicable.

5 Rating

This clause of Part 1 is applicable.

6 Classification

This clause of Part 1 is applicable.

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