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Standards

Irish Standard  
I.S. EN 61029-2-12:2011

# Safety of transportable motor-operated electric tools -- Part 2-12: Particular requirements for threading machines (IEC 61029-2-12:2010 (MOD))

## I.S. EN 61029-2-12:2011

*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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EUROPEAN STANDARD

**EN 61029-2-12**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2011

ICS 25.080.99; 25.100.50

English version

**Safety of transportable motor-operated electric tools -  
Part 2-12: Particular requirements for threading machines**  
(IEC 61029-2-12:2010, modified)

Sécurité des machines-outils électriques  
semi-fixes -  
Partie 2-12: Exigences particulières pour  
les machines à fileter  
(CEI 61029-2-12:2010, modifiée)

Sicherheit transportabler motorbetriebener  
Elektrowerkzeuge -  
Teil 2-12: Besondere Anforderungen für  
Gewindeschneidmaschinen  
(IEC 61029-2-12:2010, modifiziert)

This European Standard was approved by CENELEC on 2011-01-02. 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 Central Secretariat 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 Central Secretariat 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**CENELEC**

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of the International Standard IEC 61029-2-12:2010, prepared by IEC TC 116, Safety of hand-held motor-operated electric tools, together with common modifications prepared by the Technical Committee CENELEC TC 116, Safety of motor-operated electric tools, was submitted to the formal vote and was approved by CENELEC as EN 61029-2-12 on 2011-01-02.

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

The following dates are proposed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-01-02
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2014-01-02

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.

This European Standard has been prepared under Mandate M/396 given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EU Directive 2006/42/EC. See Annex ZZ.

Compliance with the relevant clauses of Part 1 together with a relevant Part 2 of this European Standard provides one means of confirming with the specified essential requirements of the Directive.

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 art.

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

CEN have prepared standards for industrial machines, which may extend transportable machines. Although CEN and CENELEC have where appropriate used common solutions to provide uniform levels of protection, person using this European Standard should check the scope of both this and CEN standards to ensure that a correct standard is used.

This Part 2-12 is to be used in conjunction with EN 61029-1:2009.

This Part 2-12 supplements or modifies the corresponding clauses of EN 61029-1, so as to convert it into the European Standard: "Particular requirements for threading machines".

Where a particular subclause of Part 1 is not mentioned in this Part 2-12, that subclause applies as far as reasonable. Where this Part 2-12 states "addition" "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

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.

The terms defined in Clause 2 are printed in **bold typeface**.

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 61029-2-12:2010 are prefixed "Z".

The common modifications towards IEC 61029-2-12:2010 are identified by a vertical line in the left margin.

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## 1 Scope

This clause of Part 1 is applicable except as follows:

### 1.1 *Addition:*

This European Standard applies to pipe threading tools that create external threads by rotating either the workpiece or the cutting head.

## 2 Definitions

This clause of Part 1 is applicable except as follows:

### 2.21 *Replacement:*

#### **normal load**

load to obtain rated input

### 2.101

#### **threading machine**

tool that is capable of creating an external thread through a mechanical process such as cutting or forming

### 2.102

#### **BSPT style threads**

British Standard Pipe Taper style threads: 55 degree pressure-tight taper pipe threads (R) per ISO 7-1

### 2.103

#### **NPT style threads**

National Pipe Taper style threads: 60 degree pressure-tight taper pipe threads (NPT) per ANSI/ASME B1.20.2M

## 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.

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**SAFETY OF TRANSPORTABLE  
MOTOR-OPERATED ELECTRIC TOOLS –**
**Part 2-12: Particular requirements for threading machines**

## 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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- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61029-2-12 has been prepared by IEC technical committee 116: Safety of hand-held motor-operated electric tools.

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

FDIS	Report on voting
116/34/FDIS	116/42/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.

This Part 2-12 is to be used in conjunction with the first edition of IEC 61029-1 (1990).



This Part 2-12 supplements or modifies the corresponding clauses in IEC 61029-1, so as to convert it into the IEC Standard: Particular requirements for threading machines.

Where a particular subclause of Part 1 is not mentioned in this Part 2-12, 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 2 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 61029 series, under the general title: *Safety of transportable motor-operated electric tools*, 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.

## SAFETY OF TRANSPORTABLE MOTOR-OPERATED ELECTRIC TOOLS –

### Part 2-12: Particular requirements for threading machines

#### 1 Scope

This clause of Part 1 is applicable.

##### 1.1 *Addition:*

This standard applies to machines for creating external threads that either rotate the work piece or the cutting head.

#### 2 Definitions

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

##### 2.21 *Replacement:*

###### **normal load**

load to obtain rated input

##### 2.101

###### **threading machine**

tool that is capable of creating an external thread through a mechanical process such as cutting or forming

##### 2.102

###### **BSPT style threads**

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National Pipe Taper style threads: 60 degree pressure-tight taper pipe threads (NPT) per ANSI/ASME B1.20.2M

#### 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.

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