

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Electric motor-operated hand-held tools, transportable tools and lawn
and garden machinery – Safety –
Part 3-12: Particular requirements for transportable threading machines**

**Outils électroportatifs à moteur, outils portables et machines pour jardins
et pelouses – Sécurité –
Partie 3-12: Exigences particulières relatives aux machines à fileter portables**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 3-12: Particular requirements for transportable threading machines

FOREWORD

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This consolidated version of the official IEC Standard and its amendment has been prepared for user convenience.

IEC 62841-3-12 edition 1.1 contains the first edition (2017-08) [documents 116/338/FDIS and 116/343/RVD] and its amendment 1 (2021-07) [documents 116/488/CDV and 116/512/RVC].

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

International Standard IEC 62841-3-12 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools.

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

This Part 3-12 is to be used in conjunction with the first edition of IEC 62841-1 (2014).

This Part 3-12 supplements or modifies the corresponding clauses in IEC 62841-1, so as to convert it into the IEC Standard: Particular requirements for transportable threading machines.

Where a particular subclause of Part 1 is not mentioned in this Part 3-12, 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.

The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type;
- **terms defined in Clause 3: 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 the base publication and its amendment will remain unchanged until the stability date indicated on the IEC web site under 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.

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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.

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

Part 3-12: Particular requirements for transportable threading machines

1 Scope

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

Addition:

This part of IEC 62841 applies to transportable **threading machines**.

2 Normative references

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

Addition:

IEC 60947-5-1, *Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices*

ISO 7-1:1994, *Pipe threads where pressure-tight joints are made on the threads – Part 1: Dimensions, tolerances and designation*

ANSI/ASME B1.20.2M:2006, *Pipe threads, 60 deg., general purpose*

3 Terms and definitions

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

Addition:

3.101 threading machine

tool that is capable of creating an external thread by either rotating the workpiece or the cutting head, by a mechanical process such as cutting or forming

Note 1 to entry: See Figure 101.

3.102 ISO style thread

thread according to ISO 7-1:1994: 55 degree pressure-tight taper pipe threads (R)

Note 1 to entry: ISO type R threads are also known as BSPT style threads.

3.103 NPT style thread

thread according to National Pipe Taper: 60 degree pressure-tight taper pipe threads (NPT) per ANSI/ASME B1.20.2M:2006