



SLOVENSKI STANDARD
SIST EN IEC 62841-3-5:2022

01-september-2022

**Električna motorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost
- 3-5. del: Posebne zahteve za prenosne tračne žage**

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-5: Particular requirements for transportable band saws

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Outils électroportatifs à moteur, outils portables et machines pour jardins et pelouses - Sécurité - Partie 3-5: Exigences particulières pour les scies à ruban portables

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Ta slovenski standard je istoveten z: EN IEC 62841-3-5:2022

ICS:

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25.140.20	Električna orodja	Electric tools

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EUROPEAN STANDARD

EN IEC 62841-3-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2022

ICS 25.140.20

English Version

**Electric motor-operated hand-held tools, transportable tools and
lawn and garden machinery - Safety - Part 3-5: Particular
requirements for transportable band saws
(IEC 62841-3-5:2022)**

Outils électroportatifs à moteur, outils portables et machines
pour jardins et pelouses - Sécurité - Partie 3-5: Exigences
particulières pour les scies à ruban portables
(IEC 62841-3-5:2022)

Elektrische motorbetriebene handgeführte Werkzeuge,
transportable Werkzeuge und Rasen- und
Gartenmaschinen - Sicherheit - Teil 3-5: Besondere
Anforderungen für transportable Bandsägen
(IEC 62841-3-5:2022)

This European Standard was approved by CENELEC on 2022-06-01. 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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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 62841-3-5:2022 (E)**European foreword**

The text of document 116/574/FDIS, future edition 1 of IEC 62841-3-5, 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 IEC 62841-3-5:2022.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-04-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-04-18

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This document is read in conjunction with EN 62841-1:2015.

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

For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of EN IEC 62841-3-5:2022/A11:2022.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

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Endorsement notice

The text of the International Standard IEC 62841-3-5:2022 was approved by CENELEC as a European Standard without any modification.



INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety –
Part 3-5: Particular requirements for transportable band saws**

**Outils électroportatifs à moteur, outils portables et machines pour jardins et pelouses – Sécurité –
Partie 3-5: Exigences particulières pour les scies à ruban transportables**

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY –**Part 3-5: Particular requirements for transportable band saws**

FOREWORD

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IEC 62841-3-5 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
116/574/FDIS	116/585/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

This Part 3-5 is to be used in conjunction with the first edition of IEC 62841-1:2014.

This Part 3-5 supplements or modifies the corresponding clauses in IEC 62841-1:2014, so as to convert it into the IEC Standard: Particular requirements for transportable band saws.

Where a particular subclause of IEC 62841-1:2014 is not mentioned in this Part 3-5, that subclause applies as far as relevant. Where this standard states "addition", "modification" or "replacement", the relevant text in IEC 62841-1:2014 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, tables and figures which are additional to those in IEC 62841-1:2014 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.

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The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document 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.

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

Part 3-5: Particular requirements for transportable band saws

1 Scope

IEC 62841-1:2014, Clause 1 is applicable, except as follows.

Addition:

This document applies to **band saws** intended for cutting wood and analogous materials, plastics and metals, except magnesium.

This document does not apply to transportable scroll saws and jig saws with a reciprocating blade.

This document does not apply to

- hand-held **band saws**;
- non-vertical saws; and
- wire saws.

NOTE 101 It is planned that a document on transportable scroll saws and jig saws will be published.

NOTE 102 Hand-held **band saws** will be covered by a future part of IEC 62841-2.

NOTE 103 In Europe (EN IEC 62841-3-5), the following conditions apply:

This document does not apply to stationary **band saws** intended to cut wood and similar materials. Stationary **band saws** that are intended to cut wood and similar materials are covered by EN 1807-1.

This document applies to **band saws** having a mass of:

- maximum 25 kg for tools capable of being lifted by hand by one person;
- maximum 50 kg for tools capable of being lifted by hand by two persons.

2 Normative references

IEC 62841-1:2014, Clause 2 is applicable, except as follows.

Addition:

IEC 62841-1:2014, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 1: General requirements*

3 Terms and definitions

IEC 62841-1:2014, Clause 3 is applicable, except as follows.

Addition:

3.101

band saw

tool designed to cut materials by means of a vertical revolving endless **saw band** which is carried on two or more band wheels

Note 101 to entry: **Band saws** have a table to support and position the workpiece that is fed by hand against the **saw band**. See Figure 101.

3.102

cross-cutting fence

device to guide or position the workpiece during the cutting process that is designed to move parallel with the plane of the **saw band**

Note 101 to entry: The **cross-cutting fence** may have provisions to adjust the workpiece guiding face laterally and may have mitre angle capability.

3.103

parallel fence

fence that has the workpiece guiding face parallel with the plane of the **saw band** and can be set to a desired distance from the **saw band**

3.104

saw band

flexible closed loop metal band with cutting elements such as teeth or abrasive material

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