



SLOVENSKI STANDARD
oSIST prEN IEC 62841-2-24:2024
01-april-2024

Elektromotorna ročna orodja, prenosna orodja ter stroji za trato in vrt - Varnost - 2-24. del: Posebne zahteve za ročna nihajna večnamenska orodja

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-24: Particular requirements for hand-held oscillating multifunction tools

iTeh Standards

Outils électroportatifs à moteur, outils portables et machines pour jardin et pelouses - Sécurité - Partie 2-24: Exigences particulières pour les outils oscillants à fonctions multiples portatifs

Ta slovenski standard je istoveten z: prEN IEC 62841-2-24:2024

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ICS:

25.140.20	Električna orodja	Electric tools
25.140.30	Orodja za ročno uporabo	Hand-operated tools

oSIST prEN IEC 62841-2-24:2024 **en**



116/735/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER:

IEC 62841-2-24 ED1

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CLOSING DATE FOR VOTING:

2024-05-24

SUPERSEDES DOCUMENTS:

116/679/NP, 116/695/RVN

IEC TC 116 : SAFETY OF MOTOR-OPERATED ELECTRIC TOOLS

SECRETARIAT:

United States of America

SECRETARY:

Mr Joseph Harding

OF INTEREST TO THE FOLLOWING COMMITTEES:

PROPOSED HORIZONTAL STANDARD:

Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.

FUNCTIONS CONCERNED:

EMC

ENVIRONMENT

QUALITY ASSURANCE

SAFETY

SUBMITTED FOR CENELEC PARALLEL VOTING

NOT SUBMITTED FOR CENELEC PARALLEL VOTING

Attention IEC-CENELEC parallel voting

The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting.

The CENELEC members are invited to vote through the CENELEC online voting system.

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Recipients of this document are invited to submit, with their comments, notification of any relevant "In Some Countries" clauses to be included should this proposal proceed. Recipients are reminded that the CDV stage is the final stage for submitting ISC clauses. (SEE [AC/22/2007](#) OR [NEW GUIDANCE DOC](#)).

TITLE:

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-24: Particular requirements for hand-held oscillating multifunction tools

PROPOSED STABILITY DATE: 2029

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<https://standards.iteh.ai/catalog/standards/sist/d6d1fbf0-e8b0-4fb8-b4aa-9e551fabb089/osist-pren-iec-62841-2-24-2024>

49 INTERNATIONAL ELECTROTECHNICAL COMMISSION

50

51

52 **ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE**
53 **TOOLS AND LAWN AND GARDEN MACHINERY –**
54 **SAFETY –**

55

56 **Part 2-24: Particular requirements for hand-held**
57 **oscillating multifunction tools**

58

59

FOREWORD

60

61 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising
62 all national electrotechnical committees (IEC National Committees). The object of IEC is to promote
63 international co-operation on all questions concerning standardization in the electrical and electronic fields. To
64 this end and in addition to other activities, IEC publishes International Standards, Technical Specifications,
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89 Publications.90 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is
91 indispensable for the correct application of this publication.92 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of
93 patent rights. IEC shall not be held responsible for identifying any or all such patent rights.94 IEC 62841-2-24 has been prepared by IEC technical committee 116: Safety of motor-operated
95 electric tools. It is an International Standard.

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

FDIS	Report on voting
116/XX/FDIS	116/XX/RVD

97

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

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

- 101 This document is to be used in conjunction with IEC 62841-1:2014.
- 102 This document supplements or modifies the corresponding clauses in IEC 62841-1, so as to
103 convert it into the IEC Standard: Particular requirements for hand-held oscillating
104 multifunction tools.
- 105 Where a particular subclause of IEC 62841-1 is not mentioned in this document, that
106 subclause applies as far as reasonable. Where this document states "addition", "modification"
107 or "replacement", the relevant text in IEC 62841-1 is to be adapted accordingly.
- 108 The following print types are used:
- 109 – requirements: in roman type;
110 – *test specifications: in italic type;*
111 – **terms defined in Clause 3: in bold type;**
112 – notes: in small roman type.
- 113 Subclauses, notes, tables and figures which are additional to those in IEC 62841-1 are
114 numbered starting from 101.
- 115 Subclauses, notes, tables and figures in Annex K and Annex L which are additional to those
116 in the main body of this document are numbered starting from 301.
- 117 A list of all parts in the IEC 62841 series, published under the general title *Electric motor-*
118 *operated hand-held tools, transportable tools and lawn and garden machinery – Safety*, can
119 be found on the IEC website.
- 120 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
121 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement,
122 available at www.iec.ch/members_experts/refdocs. The main document types developed by
123 IEC are described in greater detail at www.iec.ch/standardsdev/publications.
- 124 The committee has decided that the contents of this document will remain unchanged until the
125 stability date indicated on the IEC website under webstore.iec.ch in the data related to the
126 specific document. At this date, the document will be
- 127 • reconfirmed,
128 • withdrawn,
129 • replaced by a revised edition, or
130 • amended.
- 131 NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing
132 organizations may need a transitional period following publication of a new, amended or revised IEC publication in
133 which to make products in accordance with the new requirements and to equip themselves for conducting new or
134 revised tests.
- 135 It is the recommendation of the committee that the content of this publication be adopted for implementation
136 nationally not earlier than 36 months from the date of publication.
- 137
- 138

139 **ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS,**
140 **TRANSPORTABLE TOOLS AND LAWN AND GARDEN**
141 **MACHINERY – SAFETY –**

142
143 **Part 2-24: Particular requirements for hand-held**
144 **oscillating multifunction tools**
145

146 **1 Scope**

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

148 *Addition:*

149 This document applies to **oscillating multifunction tools**.

150 **2 Normative references**

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

152 *Addition:*

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

155 ISO 16893-1:2008, *Wood-based panels – Particleboard – Part 1: Classifications*

156 **3 Terms and definitions**

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

158 *Addition:*

159 **3.101**

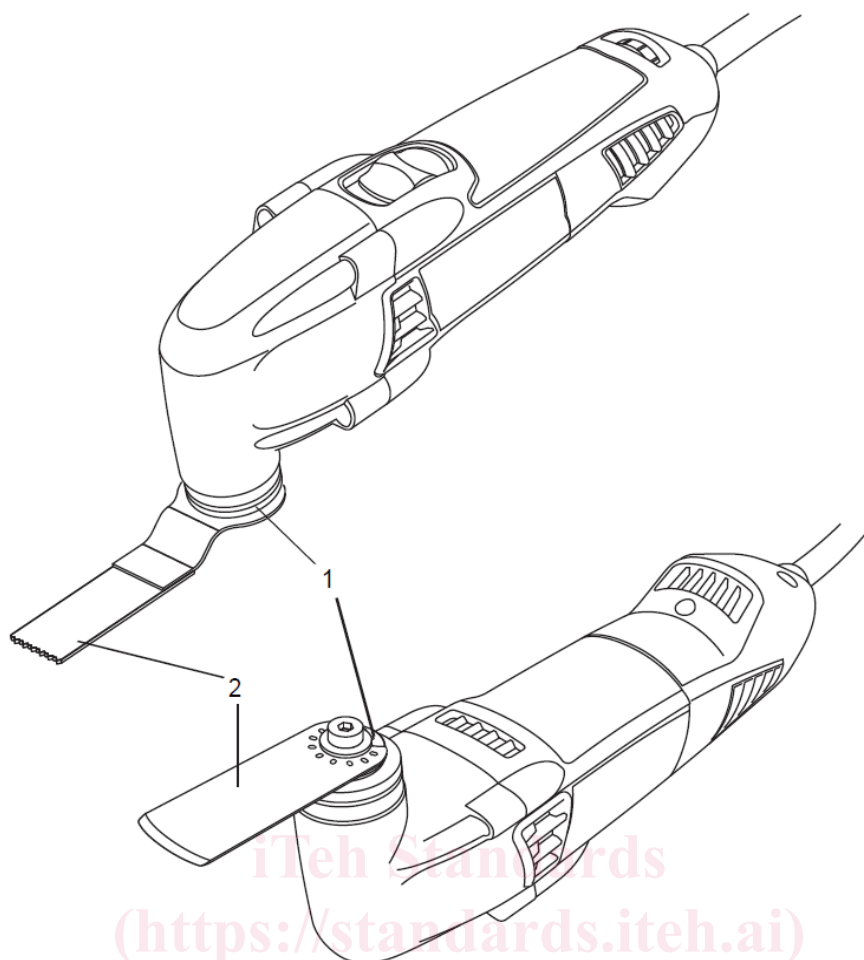
160 **oscillating multifunction tool**

161 tool with an **accessory** holder such that an attached **accessory** oscillates laterally with a
162 linear amplitude

163 Note 101 to entry: **Oscillating multifunction tools** are intended to be used with a variety of **accessories** for
164 sawing, grinding, cutting and the like.

165 Note 102 to entry: An example of an **oscillating multifunction tool** is shown in Figure 101.

166



- 167
168
169 **Key**
170 1 **accessory holder**
171 2 **accessory**

172 **Figure 101 – Example of an oscillating multifunction tool**

173 **4 General requirements**

174 IEC 62841-1:2014, Clause 4 is applicable.

175 **5 General conditions for the tests**

176 IEC 62841-1:2014, Clause 5 is applicable, except as follows:

177 **5.17 Addition:**

178 *The mass of the tool does not include the dust extraction adapter, if any.*

179 **6 Radiation, toxicity and similar hazards**

180 IEC 62841-1:2014, Clause 6 is applicable.

181 **7 Classification**

182 IEC 62841-1:2014, Clause 7 is applicable.

183 **8 Marking and instructions**

184 IEC 62841-1:2014, Clause 8 is applicable, except as follows:

185 **8.14.1 Addition:**

186 For **oscillating multifunction tools**, the additional safety instructions as specified in
187 8.14.1.101 shall be given. This part may be printed separately from the “General Power Tool
188 Safety Warnings”.

189 **8.14.1.101 Safety instructions for oscillating multifunction tools**

190 a) **Hold the power tool by insulated gripping surfaces, when performing an operation**
191 **where the cutting accessory may contact hidden wiring or its own cord. Cutting**
192 **accessory contacting a "live" wire may make exposed metal parts of the power tool "live"**
193 **and could give the operator an electric shock.**

194 **8.14.2 a) Addition:**

195 101) Information about the types of **accessories** that can be used with the tool.

196 **9 Protection against access to live parts**

197 IEC 62841-1:2014, Clause 9 is applicable.

198 **10 Starting**

199 IEC 62841-1:2014, Clause 10 is applicable.

200 **11 Input and current**

201 IEC 62841-1:2014, Clause 11 is applicable.

202 **12 Heating**

203 IEC 62841-1:2014, Clause 12 is applicable.

204 **13 Resistance to heat and fire**

205 IEC 62841-1:2014, Clause 13 is applicable.

206 **14 Moisture resistance**

207 IEC 62841-1:2014, Clause 14 is applicable.

208 **15 Resistance to rusting**

209 IEC 62841-1:2014, Clause 15 is applicable.