
**Električna ročna orodja - Varnost - 2-21. del: Posebne zahteve za čistilnike odtokov
- Dopnilo A1 (IEC 60745-2-21:2002/A1:2008)**

Hand-held motor-operated electric tools - Safety - Part 2-21: Particular requirements for drain cleaners (IEC 60745-2-21:2002/A1:2008)

Handgeführte motorbetriebene Elektrowerkzeuge - Sicherheit - Teil 2-21: Besondere Anforderungen für Rohrreinigungsgeräte (IEC 60745-2-21:2002/A1:2008)

Outils électroportatifs à moteur - Sécurité - Partie 2-21: Règles particulières pour les curettes (CEI 60745-2-21:2002/A1:2008)

<https://standards.iteh.ai/catalog/standards/sist/692d0cd9-101c-411f-823a-5de040a44d5f/sist-en-60745-2-21-2009-a1-2011>

Ta slovenski standard je istoveten z: EN 60745-2-21:2009/A1:2010

ICS:

25.140.20	Električna orodja	Electric tools
91.140.70	Sanitarne naprave	Sanitary installations

SIST EN 60745-2-21:2009/A1:2011 **en**

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SIST EN 60745-2-21:2009/A1:2011

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60745-2-21/A1

December 2010

ICS 25.140.20; 91.140.70

English version

**Hand-held motor-operated electric tools -
Safety -
Part 2-21: Particular requirements for drain cleaners
(IEC 60745-2-21:2002/A1:2008)**

Outils électroportatifs à moteur -
Sécurité -
Partie 2-21: Règles particulières pour les
curettes
(CEI 60745-2-21:2002/A1:2008)

Handgeführte motorbetriebene
Elektrowerkzeuge -
Sicherheit -
Teil 2-21: Besondere Anforderungen für
Rohrreinigungsgeräte
(IEC 60745-2-21:2002/A1:2008)

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This amendment A1 modifies the European Standard EN 60745-2-21:2009; it was approved by CENELEC on 2010-12-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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 amendment 1:2008 to the International Standard IEC 60745-2-21:2002, prepared by TC 116, Safety of hand-held motor-operated electric tools, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to EN 60745-2-21:2009 on 2010-12-01 without any modification.

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 were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2011-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2013-12-01

Endorsement notice

The text of amendment 1:2008 to the International Standard IEC 60745-2-21:2002 was approved by CENELEC as an amendment to the European Standard without any modification.

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[SIST EN 60745-2-21:2009/A1:2011](https://standards.iteh.ai/catalog/standards/sist/692d0cd9-101c-411f-823a-5de040a44d5f/sist-en-60745-2-21-2009-a1-2011)

<https://standards.iteh.ai/catalog/standards/sist/692d0cd9-101c-411f-823a-5de040a44d5f/sist-en-60745-2-21-2009-a1-2011>



IEC 60745-2-21

Edition 1.0 2008-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Hand-held motor-operated electric tools – Safety –
Part 2-21: Particular requirements for drain cleaners

Outils électroportatifs à moteur – Sécurité –
Partie 2-21: Règles particulières pour les curettes

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX

C

FOREWORD

This amendment has been prepared by subcommittee 61F: Safety of hand-held motor-operated electric tools, of IEC technical committee 61: Safety of household and similar electrical appliances.

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

FDIS	Report on voting
61F/739/FDIS	61F/759/RVD

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

With this amendment, this Part 2 is established on the basis of the fourth edition (2006) of IEC 60745-1, *Hand-held motor-operated electric tools – Safety – Part 1: General requirements*.

Main changes include editorial modifications to match with the fourth edition of IEC 60745-1 and clarifications in Annex K.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result 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, [SIST EN 60745-2-21:2009/A1:2011](https://standards.iteh.ai/catalog/standards/sist/692d0cd9-101c-411f-823a-5de040a44d5f/sist-en-60745-2-21-2009-a1-2011)
- withdrawn, <https://standards.iteh.ai/catalog/standards/sist/692d0cd9-101c-411f-823a-5de040a44d5f/sist-en-60745-2-21-2009-a1-2011>
- replaced by a revised edition, or
- amended.

1 Scope

Replace the existing text of Clause 1 by the following:

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

Addition:

This standard applies to drain cleaners.

3 Definitions

Change the title of Clause 3 to read:

3 Terms and definitions

19 Mechanical hazards

Add the following subclause:

19.4 Addition:

Drain cleaners shall be designed so that they can be supported by two hands during normal use.

20 Mechanical strength

Replace the existing text of Clause 20 by the following:

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

20.5 This subclause is not applicable.

21 Construction

Replace the existing text of Clause 21 by the following:

This clause of Part 1 is applicable except as follows:

21.32 This subclause is not applicable.

Annexes

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Replace the existing text by the following:

The annexes of Part 1 are applicable, except as follows:
[SIST EN 60745-2-21:2009/A1:2011](http://standards.iteh.ai/catalog/standards/sist/60745-2-21-2009-a1-2011)
<http://standards.iteh.ai/catalog/standards/sist/60745-2-21-2009-a1-2011>

Annex K
(normative)**Battery tools and battery packs****K.1 Addition:**

All clauses of this Part 2 apply unless otherwise specified in this annex.

Annex L
(normative)**Battery tools and battery packs provided with mains connection
or non-isolated sources****L.1 Addition:**

All clauses of this Part 2 apply unless otherwise specified in this annex.
