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Arc welding equipment - Part 11: Electrode holders

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/21

Obsahuje: EN IEC 60974-11:2021, IEC 60974-11:2021

Oznámením tejto normy sa od 20.05.2024 ruší
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EUROPEAN STANDARD

EN IEC 60974-11

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2021

ICS 25.160

Supersedes EN 60974-11:2010 and all of its
amendments and corrigenda (if any)

English Version

**Arc welding equipment - Part 11: Electrode holders
(IEC 60974-11:2021)**Matériel de soudage à l'arc - Partie 11: Porte-électrodes
(IEC 60974-11:2021)Lichtbogenschweißeinrichtungen - Teil 11: Elektrodenhalter
(IEC 60974-11:2021)

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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 60974-11:2021 (E)**European foreword**

The text of document 26/716/FDIS, future edition 4 of IEC 60974-11, prepared by IEC/TC 26 "Electric welding" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60974-11:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-02-20 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-05-20 document have to be withdrawn

This document supersedes EN 60974-11:2010 and all of its amendments and corrigenda (if any).

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

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

Endorsement notice

The text of the International Standard IEC 60974-11:2021 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-151	2001	International Electrotechnical Vocabulary – Part 151: Electrical and magnetic devices (available at: http://www.electropedia.org)	-	-
+ A1	2013		-	-
+ A2	2014		-	-
+ A3	2019		-	-
+ A4	2020		-	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
			+ corrigendum May	1993
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
			+ AC	2016
			+ A2:2013/AC	2019
IEC60974-1	2017	Arc welding equipment – Part 1: Welding power source	EN60974-1	2018
+ A1	2019		+ A1	2019

Annex ZZ (informative)

Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

Table ZZ.1 — Correspondence between this European standard and Annex I of Directive 2014/35/EU [2014 OJ L96]

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
1(a)	Clauses 11 and 12	
1(b)	Clause 12	
1(c)	Clauses 1, 3, 4 see also points 2 and 3 below	Testing during periodic maintenance or after repair is covered in separate standards
2(a)	Clauses 8.1, 8.2, 8.3	
2(b)	Clauses 9.1, 9.2, 9.3	
2(c)	Clauses 8.1,	
2(d)	Clauses 9.1	
3(a)	Clause 10.4	
3(b)	Clauses 4, 8.1, 12	
3(c)	Clause 11 and 12	

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.



IEC 60974-11

Edition 4.0 2021-04

INTERNATIONAL STANDARD

**Arc welding equipment –
Part 11: Electrode holders**





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Electropedia - www.electropedia.org

The world's leading online dictionary on electrotechnology, containing more than 22 000 terminological entries in English and French, with equivalent terms in 18 additional languages. Also known as the International Electrotechnical Vocabulary (IEV) online.



IEC 60974-11

Edition 4.0 2021-04

INTERNATIONAL STANDARD

**Arc welding equipment –
Part 11: Electrode holders**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ARC WELDING EQUIPMENT –

Part 11: Electrode holders

FOREWORD

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International Standard IEC 60974-11 has been prepared by IEC technical committee 26: Electric welding.

This fourth edition cancels and replaces the third edition, published in 2010. This edition constitutes a technical revision.

The significant technical changes with respect to the previous edition are the following:

- Modify 3.6 type A to category A;
- Modify 3.7 type B to category B;
- Modify 8.1 to clarify reference to IEC 60529;
- Modification of 10.1 for clarification purposes;
- Added Bibliography.

This part of IEC 60974 is to be used in conjunction with IEC 60974-1.

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

FDIS	Report on voting
26/716/FDIS	26/721/RVD

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

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

In this standard, the following print types are used:

- conformity statements: in *italic type*.
- terms defined in Clause 3: in SMALL ROMAN CAPITALS.

A list of all parts of the IEC 60974 series, published under the general title *Arc welding equipment*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://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.

ARC WELDING EQUIPMENT –

Part 11: Electrode holders

1 Scope

This part of IEC 60974 is applicable to ELECTRODE HOLDERS for manual metal arc welding with electrodes up to 10 mm in diameter.

It is not applicable to ELECTRODE HOLDERS for underwater welding.

This document specifies safety and performance requirements of ELECTRODE HOLDERS.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050-151:2001, *International Electrotechnical Vocabulary (IEV) – Part 151: Electrical and magnetic devices*

IEC 60050-151:2001/AMD1:2013

IEC 60050-151:2001/AMD2:2014

IEC 60050-151:2001/AMD3:2019

IEC 60050-151:2001/AMD4:2020

IEC 60529:1989, *Degrees of protection provided by enclosures (IP Code)*

IEC 60529:1989/AMD1:1999

IEC 60529:1989/AMD2:2013

IEC 60974-1:2017, *Arc welding equipment – Part 1: Welding power sources*

IEC 60974-1:2017/AMD1:2019

koniec náhľadu – text ďalej pokračuje v platenej verzii STN