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colour inside

Arc welding equipment –
Part 11: Electrode holders

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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ARC WELDING EQUIPMENT –

Part 11: Electrode holders

FOREWORD

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This redline version of the official IEC Standard allows the user to identify the changes made to the previous edition IEC 60974-11:2010. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

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- withdrawn,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.

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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
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IEC 60529:1989, *Degrees of protection provided by enclosures (IP Code)*
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IEC 60974-1:2017/AMD1:2019

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