AS 60974.11—2005
IEC 60974-11, Ed.2.0 (2004)

AS 60974.11—2005

Australian Standard™

Arc welding equipment

Part 11: Electrode holders

STANDARDS AUSTRALIA

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Australian Chamber for Commerce and Industry
Australian Industry Group
Australian Manufacturing Workers Union
Department of Industrial Relations (Qld)
Welding Technology Institute of Australia

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PREFACE

This Standard was prepared by the Standards Australia Committee EL-019, Electrical Welding Plant, to supersede AS 2826—1985, *Manual metal-arc electrode holders*.

The objective of this Standard is to provide requirements for manual metal-arc welding electrode holders with electrodes up to 10 mm in diameter.

This Standard is identical with, and has been reproduced from IEC 60974-11, Ed. 2.0 (2004), *Arc welding equipment—Part 11: Electrode holders*.

As this Standard is reproduced from an international standard, the following applies:

(a) Its number appears on the cover and title page while the international standard number appears only on the cover.

(b) In the source text ‘IEC 60974-11’ should read ‘AS 60974.11’.

(c) A full point substitutes for a comma when referring to a decimal marker.

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NOTES

STANDARDS AUSTRALIA

Australian Standard

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 part of IEC 60974 specifies safety and performance requirements of electrode holders.

2 Normative references

The following referenced documents are indispensable for the application 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.

References to international standards that are struck through in this clause are replaced by references to Australian or Australian/New Zealand Standards that are listed immediately thereafter and identified by shading. Any Australian or Australian/New Zealand Standard that is identical to the International Standard it replaces is identified as such.

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

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

AS 60529, Degrees of protection provided by enclosures (IP) (Identical to IEC 60529)

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

3 Terms and definitions

For the purposes of this part of IEC 60974, the definitions contained in IEC 60050-151, IEC 60974-1, as well as the following apply.

3.1
electrode holder
tool for clamping, guiding and connecting a manual metal arc welding electrode to the welding circuit while insulating the operator from the welding circuit

3.2
head
part of the electrode holder having cavities or jaws or equivalent for insertion, orientation, clamping and electrical connection of an electrode

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