

Australian/New Zealand Standard™

**Welding and allied processes—Flux and
gas shielded electrical welding
processes—Procurement guidelines for
consumables**

AS/NZS ISO 14344:2005

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WD-002, Welding Consumables. It was approved on behalf of the Council of Standards Australia on 8 April 2005 and on behalf of the Council of Standards New Zealand on 22 April 2005.

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The following are represented on Committee WD-002:

Australian Chamber of Commerce and Industry
Bureau of Steel Manufacturers of Australia
Business New Zealand
CSIRO Manufacturing & Infrastructure Technology
Welding Technology Institute of Australia

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WD-002, Welding Consumables.

The objective of this Standard is to provide a method for preparing those specific details needed for the procurement of welding consumable.

This Standard is identical with and has been reproduced from ISO 14344:2002, *Welding and allied processes—Flux and gas shielded electrical welding processes—Procurement guidelines for consumables*.

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text 'this European Standard' should read 'this Australian/New Zealand Standard'.
- (c) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian/New Zealand</i>
ISO	AS/NZS
9001 Quality management systems— Requirements	9001 Quality management systems— Requirements

AUSTRALIAN/NEW ZEALAND STANDARD

Welding and allied processes—Flux and gas shielded electrical welding processes—Procurement guidelines for consumables

1 Scope

This International Standard is a tool for communication between a purchaser and a supplier of welding consumables within quality systems as might, for example, be based upon ISO 9001. This International Standard, together with an ISO or other recognized welding consumable standard, provides a method for preparing those specific details needed for welding consumable procurement which consist of the following:

- a) the welding consumable classification (selected from the pertinent ISO or other welding consumable standard);
- b) the lot classification (selected from Clause 5 of this International Standard);
- c) the testing schedule (selected from Clause 6 of this International Standard).

Selection of the specific welding consumable classification, lot classification and testing schedule will depend upon the requirements of the application for which the welding consumable is being procured.

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of this publication do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 9001, *Quality management systems — Requirements*

3 Terms and definitions

In production, the components of welding consumables are divided into discrete, predetermined quantities so that satisfactory tests with a sample from that quantity will establish that the entire quantity meets specification requirements. These quantities, known by such terms as *heats*, *lots*, *blends*, *batches* and *mixes*, vary in size according to the manufacturer. For identification purposes, each manufacturer assigns a unique designation to each quantity. This designation usually consists of a series of numbers or letters, or combinations thereof, which will enable the manufacturer to determine the date and time (or shift) of manufacture, the type and source of the raw materials used, and the details of the procedures used in producing the welding consumable. This designation stays with the welding consumable and can be used to identify the material later, in those cases in which identification is necessary.

For the purposes of this International Standard, the following terms and definitions apply.

3.1

dry batch

quantity of dry ingredients mixed at one time in one mixing vessel