

AS/NZS 4855:2007  
ISO 2560:2002

AS/NZS 4855:2007

Australian/New Zealand Standard™

**Welding consumables—Covered  
electrodes for manual metal arc welding  
of non-alloy and fine grain steels—  
Classification**



## **AS/NZS 4855:2007**

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 2 January 2007 and on behalf of the Council of Standards New Zealand on 19 January 2007.

This Standard was published on 15 February 2007.

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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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*This Standard was issued in draft form for comment as DR 06359.*

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Originated in Australia as AS B28—1931.  
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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WD-002, Welding consumables, to supersede AS/NZS 1553.1:1995, *Covered electrodes for welding, Part 1: Low carbon steel electrodes for manual metal-arc welding of carbon steels and carbon-manganese steels*.

The objective of this Standard is to specify requirements for classification of covered electrodes and deposited metal in the as-welded condition and in the post-weld heat-treated condition for manual metal arc welding of non-alloy and fine grain steels.

This Standard is identical with, and has been reproduced from ISO 2560:2002, *Welding consumables—Covered electrodes for manual metal arc welding of non-alloy and fine grain steels—Classification*.

An informative Annex ZA has been included to provide guidance on health and safety in welding.

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 ISO 2560 should read AS/NZS 4855.
- (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 or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS	
31	Quantities and units	2900	Quantities and units
31-0	Part 0: General principles	2900.0	Part 0: General principles
6947	Welds—Working positions— Definitions of angles of slope and rotation	3545	Welding positions
AS/NZS			
544	Welding consumables—Technical delivery conditions for welding filler metals—Type of product, dimensions, tolerances and marking	544	Welding consumables— Technical delivery conditions for welding filler metals—Type of product, dimensions, tolerances and marking
3690	Welding and allied processes— Determination of hydrogen content in ferritic steel arc weld metal	3752	Welding and allied processes— Determination of hydrogen content in ferritic steel arc weld metal
AS ISO			
13916	Welding—Guidance on the measurement of preheating temperature, interpass temperature and preheat maintenance temperature	13916	Welding—Guidance on the measurement of preheating temperature, interpass temperature and preheat maintenance temperature

AS/NZS ISO

14344      Welding and allied processes—  
Flux and gas shielded electrical  
welding processes—Procurement  
guidelines for consumables

14344      Welding and allied processes—  
Flux and gas shielded electrical  
welding processes—  
Procurement guidelines for  
consumables

The term ‘informative’ has been used in this Standard to define the application of the annex to which it applies. An ‘informative’ annex is only for information and guidance.

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