

Australian/New Zealand Standard™

**Welding consumables—Wire electrodes,
wires, rods and deposits for gas
shielded arc welding of creep-resisting
steels—Classification
(ISO 21952:2012, MOD)**



AS/NZS 21952:2012

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 24 October 2012 and on behalf of the Council of Standards New Zealand on 15 September 2012.

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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
New Zealand Heavy Engineering Research Association
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 to supersede part of AS/NZS 2717.1:1996, *Welding—Electrodes—Gas metal arc*, Part 1: *Ferritic steel electrodes*.

The objective of this Standard is to specify requirements for manufacturers and users on the classification of wire electrodes, wires and rods for gas-shielded metal arc welding and tungsten inert-gas welding of creep-resisting steels, and for their deposits in the as-welded or post-weld heat-treated condition.

This Standard is an adoption with national modifications and has been reproduced from ISO 21952:2012, *Welding consumables—Wire electrodes, wires, rods and deposits for gas shielded arc welding of creep-resisting steels—Classification*, and has been varied as indicated to take account of Australian/New Zealand conditions. The modifications are specified in Appendix ZZ. The information in Appendix ZA is intended to give users more details regarding the use and selection of Gas Metal Arc Welding (GMAW) wire electrodes.

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

- (a) In the source text ‘this International Standard’ should read ‘this Australian/New Zealand Standard’.
- (b) 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 ISO
13916 Welding—Guidance on the measurement of preheating temperature, interpass temperature and preheat maintenance temperature	13916 Welding—Guide on the measurement of preheating temperature, interpass temperature and preheat maintenance temperature

Only international references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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