

Australian/New Zealand Standard™

**Welding consumables—Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of non alloy and fine grain steels—Classification**



### **AS/NZS ISO 14171:2013**

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 25 January 2013 and on behalf of the Council of Standards New Zealand on 23 January 2013.

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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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Originated in Australia as part of AS 1858—1976.  
Previous edition part of AS 1858.1—2003.  
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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WD-002, Welding Consumables, to supersede (in part) AS 1858.1—2003, *Electrodes and fluxes for submerged-arc welding, Part 1: Carbon steels and carbon-manganese steels*.

The objective of this Standard is to specify requirements for manufacturers and users for the classification of electrode/flux combinations and weld metal as the as-welded condition and in the post-weld heat-treated condition for submerged arc welding of non-alloy and fine grain steels with a minimum yield strength of up to 500 MPa or a minimum tensile strength of up to 570 MPa.

This Standard is identical with, and has been reproduced from ISO 14171:2010, *Welding consumables—Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of non alloy and fine grain steels—Classification*.

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

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