

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2205.2.2—2003

**Methods for destructive testing of welds in metal
Method 2.2: All-weld-metal tensile test**

RECONFIRMATION NOTICE

Major stakeholders of this publication have reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 12 January 2018.

NOTES

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Methods for destructive testing of welds in metal**Method 2.2: All-weld-metal tensile test**

PREFACE

This Standard was prepared by the Standards Australia Committee WD-006, Testing of Welds, to supersede AS 2205.2.2—1997.

The objective of this edition is to update the Standard and include editorial changes in accordance with current Standards Australia editorial policy.

METHOD

1 SCOPE

This Standard sets out a method for all-weld-metal tensile testing of deposited weld metal.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

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| 1391 | Methods for tensile testing of metals |
| 1553 | Covered electrodes for welding |
| 1553.2 | Part 2: Low and intermediate alloy steel electrodes for manual metal-arc welding of carbon steels and low and intermediate alloy steels |
| 1858 | Electrodes and fluxes for submerged-arc welding |
| 1858.1 | Part 1: Carbon steels and carbon-manganese steels |
| 2203 | Cored electrodes for arc-welding |
| 2203.1 | Part 1: Ferritic steel electrodes |
| 2205 | Methods for destructive testing of welds in metal |
| 2205.1 | Method 1: General requirements for tests |

AS/NZS

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|--------|---|
| 1553 | Covered electrodes for welding |
| 1553.1 | Part 1: Low carbon steel electrodes for manual metal-arc welding of carbon steels and carbon-manganese steels |
| 2717 | Welding—Electrodes—Gas metal arc |
| 2717.1 | Part 1: Ferritic steel electrodes |

3 PRINCIPLE

An all-weld-metal test specimen taken from a weld in which the weld metal has been deposited under specified conditions is subjected to uniaxial tension. The tensile strength is then determined.