

Australian/New Zealand Standard™

**Quality requirements for fusion welding  
of metallic materials**

**Part 2: Comprehensive quality  
requirements**



## **AS/NZS ISO 3834.2:2008**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WD-003, Welding of Structures. It was approved on behalf of the Council of Standards Australia on 1 August 2008 and on behalf of the Council of Standards New Zealand on 6 August 2008.

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*This Standard was issued in draft form for comment as DR 08118.*

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**RECONFIRMATION**

**OF**

**AS/NZS ISO 3834.2:2008**

**Quality requirements for fusion welding of metallic materials  
Part 2: Comprehensive quality requirements**

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Technical Committee WD-003 has 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.

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## NOTES

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WD-003, Welding of Structures, to supersede AS/NZS ISO 3834.1:1999.

The objective of this AS/NZS ISO 3834 series is to specify quality requirements for fusion welding of metallic materials and to provide guidance on quality management systems for fabrication, manufacture, construction and maintenance using such processes and materials.

This Standard is identical with, and has been reproduced from ISO 3834-2:2005, *Quality requirements for fusion welding of metallic materials Part 2: Comprehensive quality requirements*.

This Standard is one of a series dealing with quality requirements for welding purposes. The series consists of the following Standards:

### AS/NZS ISO

|        |  |
|--------|--|
| 3834   | Quality requirements for fusion welding of metallic materials  |
| 3834.1 | Part 1: Criteria for the selection of the appropriate level of quality requirements  |
| 3834.2 | Part 2: Comprehensive quality requirements (this Standard)   |
| 3834.3 | Part 3: Standards quality requirements   |
| 3834.4 | Part 4: Elementary quality requirements  |
| 3834.5 | Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of AS/NZS ISO 3834.2, AS/NZS ISO 3834.3 or AS/NZS ISO 3834.4 |

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 test 'ISO 3834-2' should read 'AS/NZS ISO 3834.2'.
- (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 Standard</i> |  |
|--|---|--|--|
| ISO  |   | AS/NZS ISO                             |  |
| 3834                                       | Quality requirements for fusion welding of metallic materials   | 3834                                   | Quality requirements for fusion welding of metallic materials  |
| 3834-1                                     | Part 1: Criteria for the selection of the appropriate level of quality requirements   | 3834.1                                 | Part 1: Criteria for the selection of the appropriate level of quality requirements  |
| 3834-5                                     | Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4 | 3834.5                                 | Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of AS/NZS ISO 3834.2, AS/NZS ISO 3834.3 or AS/NZS ISO 3834.4 |

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## AUSTRALIAN/NEW ZEALAND STANDARD

# Quality requirements for fusion welding of metallic materials

## Part 2: Comprehensive quality requirements

### 1 Scope

This part of ISO 3834 defines comprehensive quality requirements for fusion welding of metallic materials both in workshops and at field installation sites.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3834-1, *Quality requirements for fusion welding of metallic materials — Part 1: Criteria for the selection of the appropriate level of quality requirements*

ISO 3834-5:2005, *Quality requirements for fusion welding of metallic materials — Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 3834-1 apply.

### 4 Use of this part of ISO 3834

For general information on the use of this part of ISO 3834, ISO 3834-1 shall be used.

In order to fulfil the quality requirements given in this part of ISO 3834, the conformity to relevant documents given in ISO 3834-5 shall be verified.

In certain situations, e.g. where manufacturing is more suited to ISO 3834-3 or ISO 3834-4, or where particular operations, such as heat treatment, are not undertaken, the requirements detailed in this part of ISO 3834 may be selectively amended or deleted.

Otherwise, the requirements contained within this part of ISO 3834 shall be adopted in full.