

Australian/New Zealand Standard™

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

Part 4: Elementary quality requirements



AS/NZS ISO 3834.4:2008

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.

This Standard was published on 22 September 2008.

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Australian Industry Group
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This Standard was issued in draft form for comment as DR 08116.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS ISO 3834.4:2008

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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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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 3 May 2018.

Approved for reconfirmation in New Zealand on behalf of the New Zealand Standards Approval Board on 26 June 2018.

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NOTES

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First published as AS/NZS ISO 3834.4:1999.
Second edition 2008.

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Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 8904 8

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WD-003, Welding of Structures, to supersede AS/NZS ISO 3834.4:1999.

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 3834-4:2005, *Quality requirements for fusion welding of metallic materials Part 4: Elementary 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
- 3834.3 Part 3: Standards quality requirements
- 3834.4 Part 4: Elementary quality requirements (this Standard)
- 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.
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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/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 4: Elementary quality requirements

1 Scope

This part of ISO 3834 defines elementary 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: Guidelines 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.

The requirements contained within this part of ISO 3834 shall be adopted in full.

5 Review of requirements and technical review

The manufacturer shall review the contractual requirements and any other requirements, together with any technical data provided by the purchaser or in-house data when the construction is designed by the manufacturer. The manufacturer shall establish that all information necessary to carry out the manufacturing operations is complete and available prior to the commencement of the work. The manufacturer shall affirm its capability to meet all requirements and shall ensure adequate planning of all quality-related activities.