

Australian/New Zealand Standard™

Structural steel welding

Part 3: Welding of reinforcing steel



AS/NZS 1554.3:2008

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 26 February 2008 and on behalf of the Council of Standards New Zealand on 11 April 2008.
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The following are represented on Committee WD-003:

Australian Chamber of Commerce and Industry
Australian Industry Group
AUSTROADS
Bureau of Steel Manufacturers of Australia
Electricity Supply Association of Australia
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New Zealand Heavy Engineering Research Association
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Part 3: Welding of reinforcing steel

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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 1554.3—2002, *Structural steel welding, Part 3: Welding of reinforcing steel*.

The objective of this Standard is to provide a code for the welding of reinforcing steel.

This edition takes cognizance of the ISO Standards for the welding of reinforcing steels, ISO 17660-1, *Welding—Welding of reinforcing steel, Part 1: Load-bearing welded joints* and ISO 17660-2, *Welding—Welding of reinforcing steel, Part 2: Non load-bearing welded joints* and, where deemed relevant by the Committee, appropriate requirements have been incorporated or adopted with modification. Changes associated with Australia and New Zealand adopting the ISO welding consumable Standards have also been included in this edition, as have changes to maintain consistency with other parts of the AS/NZS 1554 series of Standards.

The differences with the 2002 edition of AS/NZS 1554.3 are as follow:

- (a) Clarification of general requirements: Clause 1.7 and 1.9.3.
- (b) New Zealand specific requests: Clauses 2.1, 8.3 and Table 8.3.
- (c) Provision for the welding of stainless reinforcing steels: Clause 2.1.
- (d) Changes to welding consumable classification Standards: Clauses 2.3.1, 2.3.3, and Tables 3.2, 4.5(A), 4.5(B), 4.9(A), 4.9(C).
- (e) Clarification of requirements for the welding of non-loadbearing welding joints including provision for Cross-joints: Clause 3.3, 4.10.2.1, 7.3.4, and Table 7.2(B).
- (f) Changes associated with ISO 17660 1 and ISO 17660 2: Clauses 1.4.15.1, 3.3, 4.4.3, 4.10.1, 4.11.6, 7 (all), 8.5 and Tables 4.5(A), 4.10.2, 4.11.6, 7.2(A), 7.2(B) and 9.2 and Table F3, Appendix F.
- (g) Clarification of test acceptance requirements: Clauses 8.3, 8.4 and 8.5.
- (h) Inspection requirements: Clauses 10.2 and 10.3.2.
- (i) Correction of errors and other amendments: Clause 9.5, Tables 4.10.2 and Table F4, Appendix F.

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.

Statements expressed in mandatory terms in notes to Tables are deemed to be requirements of this Standard.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	5
1.2 INNOVATION	5
1.3 REFERENCED DOCUMENTS	5
1.4 DEFINITIONS	5
1.5 WELD CATEGORY	7
1.6 WELDING OF REINFORCING STEEL	7
1.7 BASIC WELDING REQUIREMENTS	8
1.8 JOINING REINFORCING STEEL TO STRUCTURES	8
1.9 SAFETY PRECAUTIONS	8
SECTION 2 MATERIALS OF CONSTRUCTION	
2.1 PARENT MATERIAL	9
2.2 BACKING MATERIAL	9
2.3 WELDING CONSUMABLES	9
SECTION 3 DETAILS OF FUSION-WELDED CONNECTIONS	
3.1 GENERAL	11
3.2 LOADBEARING WELDED JOINTS	13
3.3 NON-LOADBEARING WELDED JOINTS	14
SECTION 4 QUALIFICATION OF WELDING PROCEDURES AND WELDING PERSONNEL FOR FUSION WELDING	
4.1 QUALIFICATION OF WELDING PROCEDURE	17
4.2 METHODS FOR QUALIFICATION OF WELDING PROCEDURE	17
4.3 PREQUALIFIED WELDING PROCEDURES	17
4.4 PREQUALIFIED JOINT PREPARATIONS	18
4.5 QUALIFICATION OF WELDING CONSUMABLES	18
4.6 EXTENSION OF QUALIFICATION	19
4.7 COMBINATION OF PROCESSES	20
4.8 RECORDS OF TESTS	20
4.9 REQUALIFICATION OF FUSION WELDING PROCEDURES	20
4.10 QUALIFICATION OF WELDING PERSONNEL	22
4.11 WORKMANSHIP	25
SECTION 5 FLASH BUTT WELDING	
5.1 GENERAL	30
5.2 SIZES	30
5.3 BAR PREPARATION	30
5.4 ALIGNMENT	30
5.5 CLEANLINESS	30
5.6 WORKMANSHIP	30
5.7 EQUIPMENT	31
5.8 QUALIFICATION OF WELDING PROCEDURE	31
5.9 PRODUCTION CONTROL TESTS	32
5.10 DEFECTIVE WELDS	32

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