AS 1665—1992

Australian Standard®

Welding of aluminium structures

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Welding of aluminium structures

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PREFACE

This edition of this Standard was prepared by the Standards Australia Committee on Welding of Structures to supersede AS 1665–1976.

Changes introduced in this edition include extensive editorial modifications to align with current Standards Australia practice, and a number of important technical changes which include—

- (a) the updating of the materials section to reflect changes in relevant Australian Standards;
- (b) the revision of methods for qualification of welding procedure and the deletion of prequalified procedures;
- (c) the introduction of requirements for production test plates; and
- (d) the revision of weld quality requirements and permissible levels of weld imperfections.

In addition, the format of the Standard has been brought into line with AS 1554.1, SAA Structural Steel Welding Code, Part 1: Welding of steel structures.

The Standard deals with the fusion welding of aluminium structures by inert–gas arc welding processes and although intended principally for use in conjunction with AS 1664, *SAA Aluminium Structure Code*, it may be used for all welded aluminium constructions other than those constructed in accordance with AS 1200, *SAA Boiler Code*.

The Standard has been framed to allow for future developments in the rapidly evolving field of aluminium welding, and so that it can embrace the use of new techniques as they become available.

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CONTENTS

Page

4

4

4

4

4

4

5

6

6

6

6

8

8

8

10

13

13

13

14

14

16

17 17

18

19

19

19

19

20

21

21

23

23

23

23

24

25

26

27

28

SECTION 1 SCOPE AND GENERAL
 1.1 SCOPE 1.2 INNOVATION 1.3 REFERENCED DOCUMENTS 1.4 DEFINITIONS 1.5 WELD CATEGORIES 1.6 BASIC WELDING REQUIREMENTS 1.7 SAFETY PRECAUTIONS
SECTION 2 MATERIALS OF CONSTRUCTION
 2.1 PARENT METAL
SECTION 3 DETAILS OF WELDED CONNECTIONS
 3.1 GENERAL 3.2 BUTT WELDS 3.3 FILLET WELDS 3.4 PLUG AND SLOT WELDS
SECTION 4 QUALIFICATION OF PROCEDURES AND PERSONNEL
 4.1 QUALIFICATION OF WELDING PROCEDURES 4.2 WELDING PROCEDURE TEST PLATES 4.3 CHANGES IN QUALIFIED PROCEDURE 4.4 MEASUREMENT OF WELDING VARIABLES 4.5 WELDING PROCEDURE TEST PIECE AND SPECIMENS 4.6 TESTING 4.7 WELDED PRODUCTION TEST PLATES 4.8 QUALIFICATION OF WELDING PERSONNEL 4.9 RECORD OF QUALIFICATIONS
SECTION 5 WORKMANSHIP
 5.1 METHODS OF PREPARATION AND CLEANNESS 5.2 PREHEATING
SECTION 6 QUALITY OF WELDS
6.1 QUALITY LEVELS OF WELDED FABRICATIONS6.2 REPAIR WELDING
SECTION 7 INSPECTION
 7.1 GENERAL 7.2 QUALIFICATIONS OF INSPECTORS 7.3 VISUAL INSPECTION OF WORK 7.4 NON-DESTRUCTIVE EXAMINATION OTHER THAN VISUAL EXAMINATION
APPENDICES
 A BUTT WELD CATEGORIES B GUIDANCE ON THE SELECTION OF AND THE EXTENT OF NON–DESTRUCTIVE EXAMINATION
C A SUITABLE FORM OF WELDING PROCEDURE SHEET
E CHECKLIST OF MATTERS FOR DISCUSSION



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