

Australian Standard™

Cranes, hoists and winches

**Part 3: Bridge, gantry, portal (including
container cranes) and jib cranes**

This Australian Standard was prepared by Committee ME-005, Cranes. It was approved on behalf of the Council of Standards Australia on 19 September 1997 and published on 5 December 1997.

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Australian Chamber of Commerce and Industry
Australian Elevator Association
Australian Institute for Non-Destructive Testing
Bureau of Steel Manufacturers of Australia
Construction and Mining Equipment Association of Australia
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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 1418.3—1997

Cranes, hoists and winches

Part 3: Bridge, gantry, portal (including container cranes) and jib cranes

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Technical Committee ME-005 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 edition of this Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/5, Cranes, to supersede AS 1418.3—1990.

This Standard is a result of consensus among representatives of the Joint Committee to produce it as an Australian Standard.

This Standard incorporates Amendment No. 1 (Sept. 1998) and No. 2 (June 2002). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This edition incorporates the following changes:

- (a) The format has been revised in accordance with Standard Australia's procedures.
- (b) The content has been amended to allow for the new edition of AS 1418.1, *Cranes (including hoists and winches)* Part 1: *General requirements*, published in 1994, and for ISO developments.
- (c) An appendix has been added showing clearances required between the cranes and fixed elements.
- (d) The appendix on 'Statutory Approval' has been removed in response to the changing role of regulatory organizations.
- (e) Items specific to safe use issues have been removed. These will be included in a dedicated part of AS 2550, *Safe use of cranes*.
- (f) Editorial changes.

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.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	5
1.2 NEW DESIGN AND INNOVATIONS.....	5
1.3 APPLICATION	5
1.4 REFERENCED DOCUMENTS.....	5
1.5 DEFINITIONS.....	6
1.6 SAFETY	6
SECTION 2 CLASSIFICATION AND LOAD RATING.....	
	7
SECTION 3 STRUCTURE	
3.1 BASIS OF DESIGN.....	7
3.2 SLENDERNESS RATIOS OF BRIDGE SECTION	7
3.3 DEFLECTION.....	7
3.4 SPAN TO WHEELBASE RATIO	8
SECTION 4 STABILITY.....	
	8
SECTION 5 CRANE MECHANISMS	
5.1 MECHANISMS.....	9
5.2 MOTION LIMITS	9
5.3 HOISTING UNIT	10
5.4 ATTACHMENTS FOR FREIGHT CONTAINERS	10
5.5 MULTIPLE HOIST/CRAB COMBINATIONS.....	11
5.6 MULTIPLE CRANE COMBINATIONS.....	11
SECTION 6 ACCESS FROM FIXED PLATFORMS	
6.1 ACCESS TO CRANE OPERATING POSITION	12
6.2 ACCESS FOR SERVICING—SERVICE PLATFORMS	12
6.3 ACCESS AND SERVICING FACILITIES	13
SECTION 7 ACCESS FROM MOBILE PLATFORMS	
7.1 GENERAL.....	18
7.2 USE OF MOBILE PLATFORM.....	18
7.3 ACCESS FROM MOBILE PLATFORM.....	18
7.4 ACCESS TO CRANE DRIVING POSITION.....	18
7.5 ACCESS FOR SERVICING.....	18
7.6 ACCESS AND SERVICING FACILITIES	19
7.7 NOTICES REQUIRED WHEN USING MOBILE PLATFORMS.....	19
SECTION 8 CLEARANCES	
8.1 HANDRAIL CLEARANCES	20
8.2 CLEARANCE ABOVE CRANE OR CRAB	20
8.3 CLEARANCE BELOW UNLADEN CRANE WITH POWER-DRIVEN TRAVEL OR TRAVERSE MOTION.....	20
8.4 CLEARANCES BETWEEN CRANE AND PLATFORMS.....	20
8.5 CLEARANCE AT OR NEAR A CRANE RUNWAY	21
8.6 CLEARANCE BETWEEN MOVING PARTS OF A CRANE AND A PLATFORM OR WALKWAY	21

	<i>Page</i>
8.7 CLEARANCES BETWEEN HOIST UNIT AND CRANE END CARRIAGE OR RUNWAY	21
SECTION 9 ELECTRICAL ACCESS ISOLATORS	
9.1 GENERAL.....	22
9.2 ACCESS ISOLATORS FOR ACCESS FROM FIXED PLATFORMS	22
9.3 ACCESS ISOLATORS FOR ACCESS FROM MOBILE PLATFORMS	22
9.4 MARKING OF ACCESS ISOLATORS	23
SECTION 10 SPEED LIMITATIONS FOR PENDANT-CONTROLLED CRANES	24
SECTION 11 MARKING AND DATA TO BE SUPPLIED WITH CRANE	
11.1 MARKING ON CRANE.....	25
11.2 MARKING ON LIFTING MEANS	25
11.3 MANUALS.....	26
SECTION 12 INSPECTION AND COMMISSIONING	
12.1 INSPECTION	28
12.2 COMMISSIONING	28
SECTION 13 GUARDING	
13.1 GENERAL.....	30
13.2 STRENGTH	30
13.3 MATERIAL.....	30
13.4 FIXED GUARDS	30
13.5 REMOVABLE GUARDS.....	30
13.6 INSPECTION POINTS	30
13.7 MARKING	30
13.8 TRAVEL MOTION WHEELS	30
13.9 COLOUR.....	30
APPENDICES	
A INFORMATION TO BE SUPPLIED WITH ENQUIRY, ORDER, OR TENDER	31
B LIST OF TYPICAL HAZARDS	36
C ACCESS AND CLEARANCE REQUIREMENTS FOR FIXED PLATFORMS	38
D TYPICAL CRANE DRIVE DIAGRAMS.....	24

STANDARDS AUSTRALIA

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A2

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out requirements for bridge, gantry, semi-gantry, and portal cranes defined in AS 2549. It also covers container and heavy-duty cranes.

It is complementary to AS 1418.1, but the requirements given herein take precedence over corresponding requirements in that Standard.

NOTES:

- 1 Guidance on information to be supplied with enquiry, order, or tender is given in Appendix A.
- 2 Additional requirement for heavy duty cranes are given in AS 1418.14.

1.2 NEW DESIGN AND INNOVATIONS

This Standard does not preclude the use of materials, designs, methods of assembly, procedures and the like which do not comply with a specific requirement of the Standard, or are not mentioned in it, but which can be shown to give equivalent or superior results to those specified.

1.3 APPLICATION

Cranes using fixed platforms for servicing shall comply with Sections 1 to 6 and 8 to 13 inclusive. Cranes using mobile platforms for servicing shall comply with Sections 1 to 5 and 7 to 13 inclusive.

NOTE: Throughout this Standard the 'servicing' implies routine servicing only (i.e. does not include crane breakdowns).

1.4 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1000	The International System of Units (SI) and its application
1318	Use of colour for the marking of physical hazards and the identification of certain equipment in industry (known as the SAA Industrial Safety Colour Code)
1418	SAA Crane Code
1418.1	Part 1: General requirements
1418.10	Part 10: Elevating work platforms
1418.14	Part 14: Cranes subject to arduous working duties
1576	SAA Metal Scaffolding Code
1657	SAA Code for fixed platforms, walkways, stairways, and ladders