

Australian Standard™

Cranes, hoists and winches

Part 8: Special purpose appliances

This Australian Standard was prepared by Committee ME-005, Cranes. It was approved on behalf of the Council of Standards Australia on 27 July 2002 and published on 15 October 2002.

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Australian Elevator Association
Australian Industry Group
Australian Institute for Non-Destructive Testing
Bureau of Steel Manufacturers of Australia
Construction and Mining Equipment Association of Australia
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Part 8: Special purpose appliances

Revised and reissued as AS 1418.8—1989.
Second edition 2002.

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Published by Standards Australia International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 4734 5

PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-005, Cranes, to supersede AS 1418.8—1989, *Cranes (including hoists and winches) Part 8: Special purpose appliances*.

The objective of this Standard is to provide requirements for special purpose appliances for reference by manufacturers, suppliers, users and regulators.

The major change in this edition is the addition of new Sections 5 and 6 covering requirements for earth-moving equipment used as cranes and side-boom pipelayers, which were previously covered in AS 1418.5.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

CONTENTS

| | <i>Page</i> |
|---|-------------|
| SECTION 1 SCOPE AND GENERAL | |
| 1.1 SCOPE..... | 5 |
| 1.2 APPLICATION | 5 |
| 1.3 TYPES..... | 5 |
| 1.4 REFERENCED DOCUMENTS..... | 6 |
| 1.5 DEFINITIONS..... | 7 |
| 1.6 EXPRESSION OF PERFORMANCE..... | 7 |
| SECTION 2 GENERAL REQUIREMENTS FOR DESIGN | |
| 2.1 DESIGN..... | 8 |
| 2.2 COMPONENTS | 10 |
| 2.3 ELECTRICAL EQUIPMENT AND CONTROLS..... | 11 |
| 2.4 PNEUMATIC EQUIPMENT AND CONTROLS..... | 11 |
| 2.5 HYDRAULIC EQUIPMENT AND CONTROLS..... | 11 |
| 2.6 TESTING..... | 11 |
| 2.7 MARKING | 12 |
| 2.8 TEST CERTIFICATE..... | 12 |
| 2.9 OPERATION AND MAINTENANCE INSTRUCTIONS..... | 13 |
| SECTION 3 GENERAL PLATFORM HOISTS | |
| 3.1 SCOPE OF SECTION | 14 |
| 3.2 LOAD RATING | 14 |
| 3.3 LOADS..... | 14 |
| 3.4 LOAD COMBINATIONS | 14 |
| 3.5 DESIGN AND CONSTRUCTION..... | 15 |
| 3.6 MARKING | 18 |
| 3.7 INSPECTION AND MAINTENANCE | 19 |
| SECTION 4 TIP TRUCK HOISTING SYSTEMS | |
| 4.1 SCOPE OF SECTION | 20 |
| 4.2 LOADS AND LOAD COMBINATIONS | 20 |
| 4.3 BASIS OF DESIGN..... | 20 |
| 4.4 CIRCUIT DIAGRAM..... | 21 |
| 4.5 COMPONENTS | 21 |
| 4.6 MARKING | 23 |
| 4.7 INSPECTION AND MAINTENANCE | 24 |
| SECTION 5 REQUIREMENTS FOR EARTHMOVING EQUIPMENT | |
| 5.1 SCOPE OF SECTION | 25 |
| 5.2 LOAD LIMIT | 25 |
| 5.3 MANUALS..... | 25 |
| 5.4 DEFINITIONS..... | 25 |
| 5.5 RATED CAPACITY | 27 |
| 5.6 DESIGN..... | 27 |
| 5.7 STABILITY..... | 28 |
| 5.8 TESTING..... | 29 |
| 5.9 RATED CAPACITY CHART | 29 |
| 5.10 QUICK HITCHES | 29 |
| 5.11 MARKING | 30 |

SECTION 6 SIDE-BOOM PIPELAYERS

| | | |
|-----|---------------------------|----|
| 6.1 | SCOPE OF SECTION | 31 |
| 6.2 | GENERAL REQUIREMENTS..... | 31 |
| 6.3 | LOAD RATINGS | 31 |
| 6.4 | LUFFING MECHANISM..... | 33 |
| 6.5 | HOISTING MECHANISM..... | 34 |
| 6.6 | ADJUSTMENTS | 35 |
| 6.7 | DIMENSIONS | 35 |
| 6.8 | ROPES..... | 36 |
| 6.9 | SHEAVE SIZES | 36 |

APPENDICES

| | | |
|---|--|----|
| A | INFORMATION TO BE SUPPLIED WITH ENQUIRY, ORDER, TENDER OR REQUEST FOR HIRE..... | 37 |
| B | STATUTORY APPROVAL | 39 |
| C | COMMISSIONING INSPECTION | 43 |
| D | OPERATION AND USE OF PLATFORM HOISTS | 44 |
| E | TYPICAL QUICK-HITCH TYPES | 45 |

STANDARDS AUSTRALIA

Australian Standard

Cranes, hoists and winches

Part 8: Special purpose appliances

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for special purpose appliances used for the hoisting of loads and personnel, as defined in AS 2549, but does not apply to builders hoists (see AS 1418.7), guided storing and retrieving appliances (see AS 1418.6), and vehicle hoists (see AS 1418.9). It is complementary to AS 1418.1 but requirements given herein take precedence over corresponding requirements in AS 1418.1.

NOTE: Guidance on information to be supplied with enquiries, order, tender or request for hire is given in Appendix A.

1.2 APPLICATION

Platform hoists and tip-truck hoisting systems shall comply with Sections 1 and 2. In addition, Section 3 applies to platform hoists, Section 4 applies to tip truck hoisting systems, Section 5 applies to earth-moving equipment used as mobile cranes, and Section 6 applies to side-boom pipelayers.

1.3 TYPES

1.3.1 Platform hoists

Platform hoists shall include—

- (a) tailgate hoists;
- (b) guided platform hoists serving two fixed levels only, laterally restrained by guides; and
- (c) unguided platform hoists serving two fixed levels only, with the lateral restraint provided by the hoist structure;

but shall not include wheelchair hoists.

NOTE: Some authorities may require an enclosure in some circumstances for equipment covered by Causes 1.3.1(b) and 1.3.1(c).

1.3.2 Tip truck hoisting systems

Tip truck hoisting systems shall include—

- (a) hydraulically actuated systems;
- (b) pneumatically actuated systems; and
- (c) mechanically actuated systems.