

Australian Standard[®]

Cranes (including hoists and winches)

Part 16: Mast climbing work platforms

This Australian Standard was prepared by Committee ME/5, Cranes. It was approved on behalf of the Council of Standards Australia on 11 July 1997 and published on 5 December 1997.

The following interests are represented on Committee ME/5:

Association of Consulting Engineers, Australia
Australian Chamber of Commerce and Industry
Australian Elevator Association
Australian Institute of Building
Australian Institute for Non-destructive Testing
Bureau of Steel Manufacturers of Australia
Construction and Mining Equipment Association of Australia
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This Standard was issued in draft form for comment as DR 96332.

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Part 16: Mast climbing work platforms

First published as AS 1418.16—1997.

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/5 on Cranes, to be AS 1418.16, *Cranes (including hoists and winches)*, Part 16: *Mast climbing work platforms*. It is a result of a consensus among representatives on the Joint Committee to produce it as an Australian Standard.

This Standard has been introduced to fill a need in the industry as none of the current crane Standards adequately cover the particular needs of mast climbing work platforms.

Standards Australia approached CEN with the request that it was allowed to copy that organization's draft prEN1495 *Lifting platforms - Mast climbing work platforms* but the request was denied. This Standard is based on that draft but has been amended to suit particular Australian conditions and work practices.

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.

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CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	5
1.2 NEW DESIGNS AND INNOVATIONS	5
1.3 APPLICATION	5
1.4 REFERENCED DOCUMENTS	5
1.5 DEFINITIONS	6
 SECTION 2 LOADS AND STABILITY	
2.1 GENERAL	11
2.2 LOADS AND FORCES	11
2.3 LOAD COMBINATIONS	16
2.4 STRUCTURAL CALCULATIONS	16
2.5 STABILITY CALCULATIONS	16
 SECTION 3 DESIGN	
3.1 GENERAL	18
3.2 BASE FRAME AND CHASSIS	18
3.3 MAST STRUCTURE	20
3.4 MAST DESIGN WITH REGARD TO ERECTION	20
3.5 MAST TIES	20
3.6 WORK PLATFORM	21
 SECTION 4 MECHANISM	
4.1 GENERAL	23
4.2 HYDRAULIC SYSTEMS	23
4.3 PNEUMATIC SYSTEMS	23
4.4 RACK-AND-PINION SYSTEMS	23
4.5 BRAKING SYSTEM FOR OTHER THAN HYDRAULIC AND PNEUMATIC DRIVES	24
4.6 BUFFERS	25
4.7 DEVICES WHICH PREVENT THE WORK PLATFORM FROM FALLING WITH OVERSPEED	25
4.8 EMERGENCY DEVICES FOR LOWERING AND RAISING	27
 SECTION 5 ELECTRICAL SYSTEMS	
5.1 GENERAL	28
5.2 SAFETY SWITCHES AND SAFETY CIRCUITS	28
5.3 REQUIREMENTS FOR SAFETY DEVICES	29
5.4 TRAVEL LIMIT SWITCHES	29
 SECTION 6 CONTROLS	
6.1 GENERAL	30
6.2 LOCATION	30
6.3 INTERLOCK	30
6.4 OPERATION	30

	<i>Page</i>
6.5 POSITION OF CONTROL STATION	30
6.6 EMERGENCY STOP CONTROL	30
6.7 ERGONOMICS	30
6.8 STARTING UP	30
6.9 LABELLING	30
 SECTION 7 DATA MARKING	
7.1 DATA MARKING PLATE	31
7.2 SUPPORT AND ADDITIONAL INFORMATION	31
 SECTION 8 MANUALS	
8.1 GENERAL	32
8.2 OPERATOR'S MANUAL	32
8.3 MAINTENANCE MANUAL	32
8.4 PARTS BOOK	32
 SECTION 9 TESTS	
9.1 TYPE TESTS	33
9.2 PRODUCTION TESTS	34
 APPENDICES	
A LIST OF TYPICAL HAZARDS	35
B SPECIAL REQUIREMENTS FOR MULTILEVEL WORK PLATFORMS ...	37

STANDARDS AUSTRALIA

Australian Standard**Cranes (including hoists and winches)****Part 16: Mast climbing work platforms**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies the design requirements for mast climbing work platforms (MCWP) as defined in Clause 1.4. This Standard does not include mobile elevating work platforms, builders' hoists or suspended access equipments.

NOTE: Guidance on the safe use of MCWPs is given in AS 2550.1 and AS 2550.16.

1.2 NEW DESIGNS 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 This Standard is applicable to work platforms guided by and moving along their supporting masts, where the masts may or may not require restraint from separate supporting structures.

This Standard is applicable to any combination of the following alternatives:

- (a) One or more masts.
- (b) Mast tied or untied.
- (c) Mast of fixed or variable length.
- (d) Masts which are normally vertical but can also be inclined.
- (e) Masts which are standing or hanging.
- (f) Movable or static base (chassis or base frame).
- (g) Manually or power-operated elevation.
- (h) Manually or power-operated ground travel on site.
- (i) Driven using electric, pneumatic or hydraulic motors or internal combustion engines.
- (j) Elevated by rack and pinion.
- (k) Single or multilevel platforms.

1.4 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

1000 The International System of Units (SI) and its application

1170 Minimum design loads on structures (known as the SAA Loading Code)

1170.2 Part 2: Wind loads