

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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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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STANDARDS AUSTRALIA

Australian Standard

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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 engine.
- (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