

Australian Standard™

Cranes, hoists and winches

Part 5: Mobile cranes

This Australian Standard was prepared by Committee ME-005, Cranes. It was approved on behalf of the Council of Standards Australia on 11 July 2002. This Standard was published on 15 October 2002.

The following are represented on Committee ME-005:

Association of Consulting Engineers Australia
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
Crane Industry Council of Australia
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Department of Consumer and Employment Protection, WorkSafe Division (W.A.)
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(Incorporating Amendment No. 1)

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Part 5: Mobile cranes

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-005, Cranes, to supersede AS 1418.5—1995, *Cranes (including hoists and winches) Part 5: Mobile and vehicle-loading cranes*.

This Standard incorporates Amendment No. 1 (August 2004). 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.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to set out requirements for the design of mobile cranes for reference by mobile crane designers, users and regulators.

This edition incorporates the following changes:

- (a) Requirements for earth moving equipment used as cranes and side-boom pipelayers have been removed from the scope of this document and have been added to the scope of AS 1418.8 by amendment.
- (b) It is intended that requirements for vehicle-mounted loading cranes will appear in a separate part of AS 1418. All requirements pertaining thereto have been moved to Section 13, which will be superseded by the new Part when it is published.

Reference is made in Clause 9.4 to ISO 4305:1991 giving an allowable alternative for static stability test loads. Reference to a Standard without a date means that the latest Standard is referenced at the time of reading, however, in this case, where this alternative is chosen, the 1991 version of ISO 4305 is to be used.

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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