

AS 1418.1—1994

Australian Standard®

Cranes (including hoists and winches)

Part 1: General requirements

This Australian Standard was prepared by Committee ME/5, Cranes. It was approved on behalf of the Council of Standards Australia on 7 March 1994 and published on 20 June 1994.

The following interests are represented on Committee ME/5:

A.C.T. Occupational Health and Safety Office
Association of Consulting Engineers, Australia
Australian Chamber of Manufactures
Australian Institute of Building
Bureau of Steel Manufacturers of Australia
Construction and Mining Equipment Association of Australia
Crane Industry Council of Australia
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PREFACE

This edition of this Standard was prepared by the Standards Australia Committee on Cranes to supersede AS 1418.1—1986, *SAA Crane Code*, Part 1: *General requirements*.

This Standard incorporates significant changes to AS 1418.1. Major technical changes include the following:

- (a) All references to glass fibre reinforced plastics material have been deleted.
- (b) The following Sections have been substantially revised to reflect the current movement towards harmonization with ISO Standards, and towards the limit states design approach for steel structures:
 - (i) Section 4—Crane loads.
 - (ii) Section 5—Design of crane structures.
 - (iii) Section 6—Stability.
- (c) Requirements for monorail beams have been incorporated into Section 5.
- (d) The following Sections were revised and updated as deemed necessary at this stage:
 - (i) Section 7—Crane mechanisms.
 - (ii) Section 8—Electrical equipment and controls.

As a result of the above changes, a number of Appendices have been deleted, but a new Appendix has been added, giving some information on the structure of the Crane Standards.

Other adjustments that have been made include the updating of referenced Standards, and editorial changes to align with current Standards Australia policy.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

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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