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AS 1418.14—1996

Australian Standard®

Cranes (including hoists and winches)

Part 14: Requirements for cranes subject to arduous working conditions

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This Australian Standard was prepared by Committee ME/5, Cranes. It was approved on behalf of the Council of Standards Australia on 5 February 1996 and published on 5 July 1996.

The following interests are represented on Committee ME/5:

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

Department of Defence (Commonwealth)

Department of Labour, S.A.

Department of Training and Industrial Relations, Qld

Health and Safety Organisation, Vic.

Institution of Engineers, Australia

Lift Manufacturers Association of Australia

Metal Trades Industry Association of Australia

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/5 on Cranes as an aid to the specification for cranes subjected to arduous working conditions. The requirements it specifies are additional to the other parts of AS 1418 and should be applied to cranes which are subject to those conditions.

The Standard is a result of a consensus among representatives of the Joint Committee to produce it as an Australian Standard.

This Standard may be specified in its entirety where the entire crane is subjected to arduous working conditions or it may be specified in part where only a limited part or parts of a crane are subjected to arduous working conditions.

As an example of the need to specify this Standard in part only, consider a crane that is subjected to a normal level of duty, except for a very high frequency of lifting. In such a case, it would be proper to specify the crane Standard normally applicable to the crane (for example AS 1418.3) and to specify this Standard only for the crane mechanisms contained in Section 4. Further, it may not be necessary to specify Section 4 in its entirety. For example, if the crane is for indoor use, weather protection may be omitted.

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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