

Australian Standard™

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Cranes, hoists and winches

Part 18: Crane runways and monorails

This Australian Standard was prepared by Committee ME-005, Cranes. It was approved on behalf of the Council of Standards Australia on 8 December 2000 and published on 16 February 2001.

The following are represented on Committee ME-005:

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
Crane Industry Council of Australia
Department of Defence (Commonwealth)
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(Incorporating Amendment Nos 1 and 2)

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-005, Cranes.

This Standard incorporates Amendment No. 1 (March 2003) and Amendment No. 2 (November 2003). 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.

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

Runway girders are the subject of much debate relating to their method of design, as some people regard them as a part of the building structure that houses and supports the crane and others regard them as an integral part of the crane. This Standard allows for the design of runway girders by either limit states or permissible stress methods to allow their design by those engineers who favour either method. However, in choosing to design the runway girders by one method, the designer must use that exclusively throughout the design.

This Standard has been introduced in recognition that there is currently little guidance given to aid designers in designing runway girders. It is intended that the Standard will give direction on the correct implementation of the appropriate structural design Standards with a view to producing a uniform design method for crane runways and monorails.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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