Australian Standard™

Cranes, hoists and winches

Part 4: Tower cranes

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Australian Industry Group

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Bureau of Steel Manufacturers of Australia

Construction and Mining Equipment Association of Australia

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PREFACE

This Standard was prepared by the Standards Australia Committee ME-005, Cranes.

The objective of this Standard is to provide nationally uniform requirements for the design of tower cranes for reference by importers, designers, users, and regulators.

Cognizance has been taken of the development of Standards for tower cranes as undertaken by the International Standards Technical Committee ISO/TC 96/SC7, Tower Cranes, at the time of developing this Standard.

Considerations for loads and load factors are based on ISO 8686-3, *Cranes, Design principles and load combinations*, Part 3: *Tower cranes*.

The term 'informative' has been used in this Standard to define the appendix to which it applies. An 'informative' appendix is for information and guidance only.

This Standard differs from the previous edition as follows:

(a) Requirements for limiting and indicating devices have been revised.

(b) Crane Standards have traditionally been based on the permissible stress method and problems arose when the various parts of AS 1170, *Structural design actions*, were revised based on the limit states design method. These problems have been addressed.

(c) Requirements for inspection and testing have been updated.

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