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Australian Standard[®]

Cranes, hoists and winches—Safe use

Part 1: General requirements



This Australian Standard® was prepared by Committee ME-005, Cranes. It was approved on behalf of the Council of Standards Australia on 19 January 2011.
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The following are represented on Committee ME-005:

- Australian Chamber of Commerce and Industry
 - Australian Industry Group
 - Australian Institute for Non-Destructive Testing
 - Bureau of Steel Manufacturers of Australia
 - Construction and Mining Equipment Industry Group
 - Consult Australia
 - Crane Association of New Zealand
 - Crane Industry Council of Australia
 - Department of Commerce, WorkSafe Division (WA)
 - Department of Justice and Attorney General, Qld
 - Department of Labour New Zealand
 - Department of the Premier and Cabinet (South Australia)
 - Electricity Engineers Association (New Zealand)
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 - Engineers Australia
 - Horticulture New Zealand
 - Industry and Investment NSW
 - Institution of Professional Engineers New Zealand
 - Vehicle Loading Crane Interests
 - WorkCover New South Wales
 - WorkSafe Victoria
-

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Australian Standard[®]

Cranes, hoists and winches—Safe use

Part 1: General requirements

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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-005, Cranes, to supersede AS 2550.1—2002, *Cranes, hoists and winches—Safe use, Part 1: General*.

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

The objective of this Standard is to specify general requirements for the safe use of cranes, hoists and winches.

The objective of the AS 2550 series of Standards is to provide uniform requirements and guidance for the safe use of cranes, hoists and winches.

Major changes in this Edition include extensive revision of the inspection and maintenance requirements in Section 7, and the addition of a new Section 9 that specifies methods to monitor design duty and introduce the concept of design working period. Section 9 of this Standard is based on the concepts outlined in ISO 12482-1, *Cranes condition monitoring, Part 1: General*.

Published Standards in the series are the following:

AS

2550	Cranes, hoists and winches—Safe use
2550.1	Part 1: General requirements (this Standard)
2550.3	Part 3: Bridge, gantry, portal (including container cranes) jib and monorail cranes
2550.4	Part 4: Tower cranes
2550.5	Part 5: Mobile cranes
2550.6	Part 6: Guided storing and retrieving appliances
2550.7	Part 7: Builders' hoists and associated equipment
2550.9	Part 9: Vehicle hoists
2550.10	Part 10: Elevating work platforms
2550.11	Part 11: Vehicle loading cranes
2550.13	Part 13: Building maintenance units
2550.15	Part 15: Concrete placing equipment
2550.16	Part 16: Mast climbing work platforms
2550.19	Part 19: Telescopic handlers
2550.20	Part 20: Self-erecting tower cranes

Statements expressed in mandatory terms in notes to tables 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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