



**Cranes, hoists and winches—Safe use**  
**Part 11: Vehicle-loading cranes**

**STANDARDS**  
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This Australian Standard® was prepared by Committee ME-005, Cranes. It was approved on behalf of the Council of Standards Australia on 31 August 2016. This Standard was published on 21 October 2016.

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- Australian Institute for Non-Destructive Testing
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- Concrete Pumping Association of Australia
- Crane Association of New Zealand
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- Hyva Pacific
- Lampson Australia
- Maxilift Australia
- Metcalf Cranes
- Palfinger Australia
- P R Spry and Associates
- Terex Lifting Australia
- West-Trans Equipment and Services

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This Standard was issued in draft form for comment as DR AS 2550.11:2016.

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<sup>®</sup>

**Cranes, hoists and winches—Safe use**

**Part 11: Vehicle-loading cranes**

Originally as part of AS 2550—1982.  
Previous edition AS 2550.11—2004.  
Second edition AS 2550.11:2016.  
Reissued incorporating Amendment No. 1 (December 2018).

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Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 76035 288 3

## PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-005, Cranes, to supersede AS 2550.11—2004. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

*This Standard incorporates Amendment No. 1 (December 2018). 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.*

The objective of this Standard is to set out requirements for the use of vehicle-loading cranes for reference by legislators and vehicle-loading crane users.

Significant changes in this edition include the expansion of the requirements and guidance for maintenance, inspection and repair, and the requirements on installation, formerly in a normative appendix, have been replaced by a reference to AS 1418.11.

Standards Australia uses the term ‘shall’ to indicate requirements that have to be met for compliance with the Standard in question. The requirements of this Australian Standard are not required by law in any Australian jurisdiction, unless the Australian Standard has been specifically incorporated by an Act or Regulation in the jurisdiction.

The Commonwealth, state and territory governments may choose to incorporate this Australian Standard into their work health and safety regulations. The exact manner of incorporation will determine whether the whole document is incorporated or whether specific sections or provisions of the Australian Standard are incorporated. The manner of incorporation will determine which of the Standard’s requirements (‘shall’ statements) have been made a legal requirement in a jurisdiction. As a general principle, where an Australian Standard is incorporated by a regulation, the legal status of the Standard’s requirements and recommendations is made clear by the incorporation provisions of the regulation. Therefore, the requirements (‘shall’ statements) in an Australian Standard are not mandatory for legal purposes unless incorporated specifically by an Act or Regulation. Readers will need to refer to their jurisdiction’s law to determine which parts of the Australian Standard (if any) have been incorporated and the manner of incorporation.

Jurisdictions may also choose to incorporate this Australian Standard (either in whole or in part) in an approved code of practice made under WHS law. The purpose of an approved code of practice is to provide practical guidance to persons on how to comply with their obligations under the enabling WHS Act, or regulations made under the Act.

Readers will need to refer to their jurisdiction’s approved codes of practice to determine which parts of this Australian Standard (if any) have been incorporated into codes of practice and the manner of incorporation.

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.

Published Standards in the series are as follows:

AS

- 2550 Cranes, hoists and winches—Safe use
- 2550.1 Part 1: General requirements
- 2550.3 Part 3: Bridge, gantry, portal (including container cranes), and jib 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
- 2550.10 Part 10: Mobile elevating work platforms
- 2550.11 Part 11: Vehicle-loading cranes (this Standard)
- 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

AS/NZS

- 2550.9 Part 9: Vehicle hoists

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SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard specifies requirements for the safe use of vehicle-loading cranes as defined in AS 2549. It is complementary to AS 2550.1, but requirements given herein take precedence over the corresponding requirements in AS 2550.1.

This Standard does not cover the specific requirements for the safe use of vehicle-loading cranes for work on or near live electrical equipment by power companies or their contractors while working for power companies, as referenced in Clause 5.4.

**1.2 APPLICATION**

This Standard applies to the safe use of vehicle-loading cranes of the type specified in AS 1418.11. The requirements of AS 1418.11 shall apply and no requirements given herein shall circumvent the requirements of AS 1418.11.

Where the crane structure is to be used for pick-and-carry operations, the design shall be in accordance with AS 1418.5, and usage shall be in accordance with AS 2550.5.

Where the crane structure is mounted on a fixed structure or other structure, the design shall be in accordance with the applicable part of AS 1418 and usage shall be in accordance with the applicable part of AS 2550.

**1.3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

AS	
1418	Cranes, hoists and winches
1418.5	Part 5: Mobile cranes
1418.11	Part 11: Vehicle-loading cranes
2549	Cranes (including hoists and winches)—Glossary of terms
2550	Cranes hoists and winches—Safe use
2550.1	Part 1: General requirements
2550.5	Part 5: Mobile cranes
2709	Steel wire rope—Use, operation and maintenance
3600	Concrete structures
AS/NZS ISO	
31000	Risk management—Principles and guidelines