

Australian Standard™

Cranes, hoists and winches

Part 11: Vehicle-loading cranes

This Australian Standard was prepared by Committee ME-005, Cranes. It was approved on behalf of the Council of Standards Australia on 14 May 2004. This Standard was published on 12 July 2004.

The following are represented on Committee ME-005:

- Association of Consulting Engineers Australia
- Australian Elevator Association
- Australian Industry Group
- 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 for Administrative and Information Services (South Australia)
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Part 11: Vehicle-loading cranes

First published as AS 1418.11—2004.

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Published by Standards Australia International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 6164 X

PREFACE

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

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.

The objective of this Standard is to provide requirements for vehicle-loading cranes.

This Standard is based on EN 12999, *Cranes—Safety—Loader cranes*.

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.

Appendix D has been included due to the manufacture of vehicle-loading cranes being principally outside Australia using materials not covered by AS 3990, *Mechanical equipment—Steelwork*.

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STANDARDS AUSTRALIA

Australian Standard
Cranes, hoists and winches

Part 11: Vehicle-loading cranes

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies minimum requirements for the design, calculation, examination and testing of powered vehicle-loading cranes (VLCs) and their mountings, as defined in AS 2549. It also covers requirements for cranes primarily designed to be used as vehicle-loading cranes that are mounted on a static foundation.

NOTE: The hazards covered by this Standard are identified in Appendix A.

This Standard does not apply to statically mounted vehicle-loading cranes used on board ships, or manually operated VLCs.

1.2 APPLICATION

This Standard is complementary to AS 1418.1, but the requirements given herein take precedence over the corresponding requirements in AS 1418.1.

1.3 REFERENCED DOCUMENTS

AS

| | |
|---------|---|
| 1418 | Cranes hoists and winches |
| 1418.1 | Part 1: General requirements |
| 2549 | Cranes (including hoists and winches)—Glossary of terms |
| 2550 | Cranes, hoists and winches—Safe use |
| 2550.1 | Part 1: General requirements |
| 2550.11 | Part 11: Vehicle-loading cranes |
| 4024 | Safeguarding of machinery |
| 4024.1 | Part 1: General principles |

EN

| | |
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| 12999 | Cranes—Safety-Loader cranes |
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ISO

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| 4302 | Cranes—Wind load assessment |
| 11660 | Cranes—Access, guards and restraints |
| 11660-2 | Part 2: Mobile cranes |
| 8566 | Cranes—Cabins |
| 8566-2 | Part 2: Mobile cranes |

National Code of Practice

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| VSB 6 | Heavy Vehicle Modifications, Section Q: Truck mounted lifting systems—Slewing |
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