AS/NZS 1418.10:2025

Australian/New Zealand Standard™

Cranes, hoists and winches

Part 10: Mobile elevating work platforms

AS/NZS 1418.10:2025

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Part 10: Mobile elevating work platforms

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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-005, Cranes, to supersede AS/NZS 1418.10:2011.

The objective of this document is to specify requirements for mobile elevating work platforms (MEWPs) in general and, in addition, those intended for specific applications such as use near live electrical conductors or operation in orchards where specific design requirements are necessary to address the risks associated with the intended use. Additional requirements are also specified for portable MEWPs.

In the preparation of this document, cognizance was taken of ISO 16368, Mobile Elevating Work Platforms—Design, Calculations, Safety Requirements and Test Methods.

The major changes in this edition are as follows:

(a) Clause 2.1.6 now includes the limit states method for determining structural capacity of the MEWP as an alternative to the permissible stress method.

(b) The maximum permitted travel speed for pedestrian-controlled MEWPs listed in Clause 2.2.16 has been reduced from 1.7 m/s to 1.4 m/s.

(c) Clause 3.6.3.1.4 now includes platform deflection criteria to determine the stability of Group A MEWPs rated for 1 person indoor use.

(d) Clause 2.6 now includes a normative reference to AS 524[illegible] (ISO 21455 MOD) for operator controls, actuation, displacement, location and method of operation.

The terms “normative” and “informative” have been used in this document 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.

At the time of publication of this document, technical solutions to meet the requirements of Clauses 2.3.1.2, 2.3.1.4 and 2.3.4 may not be available for certain classes of MEWP.

The respective jurisdictional authority may specify the requirements of Clauses 2.3.1.2, 2.3.1.4 and 2.3.4 for uninsulated/insulated MEWPs, including effective dates.

Australia and New Zealand have different requirements for insulated MEWPs (see Section 7).

This Standard includes a commentary on some of the clauses. The commentary directly follows the relevant clause, is designated by ‘C’ preceding the clause number and is printed in italics in a box. The commentary is for information and guidance and does not form part of the document.

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1 Scope and general

1.1 Scope

This document specifies requirements for mobile elevating work platforms (MEWPs) in general and, in addition, those intended for specific applications such as use near live electrical conductors or operation in orchards where specific design requirements are necessary to address the risks associated with the intended use. It does not apply to passenger and goods lifts, hoists, fixed elevating work platforms, suspended scaffolding or mast climbing platforms.

Section 5 of this document provides variations of requirements for MEWPs that are specifically designed for use in orchards.

Section 6 of this document provides variations of requirements for portable MEWPs.

Section 7 of this document provides additional requirements for insulated MEWPs.

This document does not apply to any matter relating to firefighting equipment or to any matter relating to the vehicles upon which elevating work platforms are mounted, except to a vehicle which, while stationary, is a stable support for the extending structure.

NOTE 1 Appendix A provides a list of typical hazards associated with MEWPs.

NOTE 2 Appendix B provides explanatory notes on the changes to MEWP insulation that have been introduced in this revision.

1.2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

NOTE Documents referenced for informative purposes are listed in the Bibliography.

AS 1418.1, *Cranes, hoists and winches, Part 1: General requirements*

AS 1657, *Fixed platforms, walkways, stairways and ladders—Design, construction and installation*

AS 1824.2, *Insulation coordination (phase-to-earth and phase-to-phase, above 1 kV), Part 2—Application guide*

AS 1931.1, *High-voltage test techniques, Part 1: General definitions and test requirements*

AS 2067, *Substations and high voltage installations exceeding 1 kV a.c*

AS 2549, *Cranes, hoists and winches — Glossary of terms*

AS 2550.10, *Cranes, hoists and winches—Safe use, Part 10: Mobile elevating work platforms*

AS 4024.1501, *Safety of machinery, Part 1501: Design of safety related parts of control systems—General principles for design*

AS 4024.1601, *Safety of machinery, Part 1601: Design of controls, interlocks and guarding—Guards—General requirements for the design and construction of fixed and movable guards*