

AS 22915.14:2025



Industrial trucks — Verification of stability

Part 14: Rough-terrain variable-reach trucks (ISO 22915-14:2010, MOD)



AS 22915.14:2025

This Australian Standard® was prepared by ME-026, Industrial Trucks. It was approved on behalf of Standards Australia's Standards Development and Accreditation Committee on 01 October 2025.

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The following are represented on Committee ME-026:

- Australian Forklift and Industrial Truck Association
- Australian Industry Group
- Australian Institute of Health & Safety
- Construction and Mining Equipment Industry Group
- Elevating Work Platform Association of Australia
- Engineers Australia
- Hire and Rental Industry Association of Australia
- National Road Transport Association
- SafeWork NSW
- Telescopic Handler Association of Australia
- Victorian WorkCover Authority (WorkSafe Victoria)

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Australian Standard®

Industrial trucks — Verification of stability

**Part 14: Rough-terrain variable-reach trucks
(ISO 22915-14:2010, MOD)**

Originated as AS 2359.17—2008.

Revised and redesignated in part as AS ISO 22915.14:2015.

Revised and redesignated as AS 22915.14:2025.

How to read this Standard

This page explains the meaning of the language and structure of this Standard.

Refer to Standards Australia's [Standardisation Guide 006](#) for more details about drafting rules.

Australian and Australian/New Zealand Standards are voluntary unless they are referenced in legislation or called up in contracts.

Requirements

To conform to a Standard, all requirements in the Standard need to be met.

A requirement is any statement in the Standard which uses the word "shall".

Recommendations, permissions and possibilities

The following words are commonly used in Standards, but statements using them do not have to be followed to conform to the Standard:

- (a) "should" means that something is recommended.
- (b) "may" means that something is permitted.
- (c) "can" means that something is possible.

Structure of Standards

A Standard always has the following parts:

- (i) The Preface states who developed the Standard, what the Standard is aiming to do, and how it relates to other documents.
- (ii) The Scope states what the Standard is about, what it covers and what it does not cover.
- (iii) The Normative references clause lists other documents that are referenced in the Standard as part of requirements.
- (iv) The Terms and definitions clause defines important terms to help with understanding the Standard.

A Standard may also include other parts, such as the following:

- (1) A normative appendix sets additional requirements that need to be conformed to.
- (2) An informative appendix provides additional information or guidance. They usually do not contain requirements. If an informative appendix does contain requirements, the Standard will explain when those requirements apply.
- (3) A Bibliography lists documents referenced in the Standard but not as part of requirements.

Many Standards include notes. Notes provide recommendations and/or guidance only. They never contain requirements.

This Standard is a modified adoption of an International Standard. It makes changes to the international text.

The changes to the international text are shown in boxes in the text. These boxes have the heading "National Variations".

To use this Standard in Australia/New Zealand, the changes in the national variation boxes need to be followed.

Preface

This Standard was prepared by the Standards Australia Committee ME-026, Industrial Trucks, to supersede AS ISO 22915.14:2015.

The objective of this document is to specify tests for verifying the stability of rough-terrain variable-reach trucks, equipped with fork arms or with load carrying or non-load carrying attachments. It is not applicable to those trucks designed for handling freight containers or for lifting people or suspended loads.

This document is an adoption with national modifications and has been reproduced from ISO 22915-14:2010, *Industrial trucks — Verification of stability — Part 14: Rough-terrain variable-reach trucks*. The modifications are set out in national variations boxes which give instructions where the ISO text is to be modified for use in Australia. Due to ISO copyright policy it is not possible to directly modify the ISO content.

As this document has been reproduced from an international document, the following apply:

- (a) In the source text “this part of ISO 22915” should read “this document”.
- (b) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

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Foreword

NATIONAL VARIATIONS

1. In the list of parts to ISO 22915, after “— *Part 11: Industrial variable-reach trucks*”, add the following:

Part 13: Rough-terrain trucks with mast

2. Delete all text after “— *Part 21: Order-picking trucks with operator position elevating above 1 200 mm*”, and replace with the following:

Part 22: Lateral and front stacking trucks with and without elevating operator position

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 22915-14 was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*.

This first edition of ISO 22915-14, together with ISO 22915-13, cancels and replaces ISO 8379:1998, of which it constitutes a technical revision.

ISO 22915 consists of the following parts, under the general title *Industrial trucks — Verification of stability*:

- *Part 1: General*
- *Part 2: Counterbalanced trucks with mast*
- *Part 3: Reach and straddle trucks*
- *Part 4: Pallet stackers, double stackers and order-picking trucks with operator position elevating up to and including 1 200 mm lift height*
- *Part 7: Bidirectional and multidirectional trucks*
- *Part 8: Additional stability test for trucks operating in the special condition of stacking with mast tilted forward and load elevated*
- *Part 10: Additional stability test for trucks operating in the special condition of stacking with load laterally displaced by powered devices*
- *Part 11: Industrial variable-reach trucks*
- *Part 14: Rough-terrain variable-reach trucks*
- *Part 20: Additional stability test for trucks operating in the special condition of offset load, offset by utilization*

— *Part 21: Order-picking trucks with operator position elevating above 1 200 mm*

The following part is under preparation:

— *Part 13: Rough-terrain trucks with mast*

Lateral- and front-stacking trucks with elevating operator position are to form the subject of a future Part 22.

Australian Standard®

Industrial trucks — Verification of stability

Part 14: Rough-terrain variable-reach trucks (ISO 22915-14:2010, MOD)

1 Scope

NATIONAL VARIATIONS

1. *Delete* second sentence and *replace* with the following:

It is not applicable to those trucks designed for handling freight containers (refer to AS 2359.1) or for lifting people (refer to AS/NZS 1418.10) or suspended loads (refer to ISO 22915-25).

2. After the first paragraph, *add* the following:

This document applies to trucks when used in the following applications:

- (a) Picking and placing loads (stationary operation) on substantially firm and level surfaces.
- (b) Travelling with load on unimproved natural terrain and disturbed terrain with the boom fully retracted and the load no higher than the limits in [Clause 4.4](#).

This part of ISO 22915 specifies tests for verifying the stability of rough-terrain variable-reach trucks, equipped with fork arms or with load carrying or non-load carrying attachments. It is not applicable to those trucks designed for handling freight containers or for lifting people or suspended loads.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 22915-1, *Industrial trucks — Verification of stability — Part 1: General*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 22915-1 apply.

NATIONAL VARIATION

Delete clause text and *replace* with the following:

For the purposes of this document, the terms and definitions given in ISO 22915-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- (a) IEC Electropedia: available at <https://www.electropedia.org/>
- (b) ISO Online browsing platform: available at <https://www.iso.org/obp>