



# **Industrial trucks—Verification of stability**

## **Part 11: Industrial variable-reach trucks**



This Australian Standard® was prepared by Committee ME-026, Industrial Trucks. It was approved on behalf of the Council of Standards Australia on 10 June 2015. This Standard was published on 30 June 2015.

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The following are represented on Committee ME-026:

- Australian Industrial Truck Association
  - Australian Industry Group
  - Construction and Mining Equipment Industry Group
  - Hire and Rental Industry Association of Australia
  - Safety Institute of Australia
  - 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<sup>®</sup>

**Industrial trucks—Verification of  
stability**

**Part 11: Industrial variable-reach trucks**

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## PREFACE

This Standard was prepared by the Standards Australia Committee ME-026, Industrial Trucks, to supersede AS 2359.18 *Powered industrial trucks, Part 18: Stability tests for industrial variable-reach trucks*.

The objective of this Standard is to provide designers and manufacturers of industrial variable reach (tele-handlers) with the test criteria when conducting stability tests. It is to be used in conjunction with AS ISO 22915.1, *Industrial trucks—Verification of stability, Part 1: General*.

This Standard is identical with, and has been reproduced from ISO 22915-11:2011, *Industrial trucks—Verification of stability, Part 11: Industrial variable-reach trucks*.

This first edition of ISO 22915-11 cancels and replaces ISO 13562-1:2000, of which it constitutes a technical revision.

As this Standard is reproduced from an International Standard, the following applies:

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

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian Standard</i>
ISO	AS
5053 Powered industrial trucks— Terminology	2359 Powered industrial trucks 2359.7 Part 7: Terminology
22915 Industrial trucks—Verification of stability	AS ISO 22915 Industrial trucks—Verification of stability
22915-1 Part 1: General	22915.1 Part 1: General

Only normative references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

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## AUSTRALIAN STANDARD

**Industrial trucks—Verification of stability****Part 11:  
Industrial variable-reach trucks****1 Scope**

This part of ISO 22915 specifies tests for verifying the stability of industrial variable-reach trucks, equipped either with fork arms or with load-handling attachments.

It is not applicable to those trucks designed for handling freight containers; nor is it applicable to rough-terrain variable-reach trucks, which are covered by ISO 22915-14.

**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 3691-2, *Industrial trucks — Safety requirements and verification — Part 2: Self-propelled variable-reach trucks*

ISO 5053, *Powered industrial trucks — Terminology*

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 3691-2 and ISO 22915-1 and the following apply.

**3.1****variable-reach truck**

counterbalanced lift truck with an articulating boom, telescopic or not, non-slewing as defined in ISO 5053 or having a slewing movement of not more than 5° on either side of the truck's longitudinal axis, used for stacking loads

NOTE 1 The load-handling means may be mounted directly on the lifting means or on an auxiliary mast fixed at the end of the lifting means.

NOTE 2 Variable-reach trucks may be fitted with a rigid or articulating chassis, stabilizers, axle-locking or lateral frame levelling devices as defined in ISO 3691-2, or two- or four-wheel steering or articulating chassis steering systems.

**3.2****industrial variable-reach truck**

variable-reach truck designed for operation on substantially firm, smooth, level, prepared and consolidated surfaces