



## **Industrial trucks—Verification of stability**

### **Part 3: Reach and straddle trucks**

**STANDARDS**  
Australia



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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- 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
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- 

This Standard was issued in draft form for comment as DR 22915.3:2015.

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 3: Reach and straddle trucks**

Originally as part of AS B270—1968.  
Previous edition AS 2359.4—1995.  
Revised and redesignated as AS ISO 22915.3:2015.

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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 114 4

## PREFACE

This Standard was prepared by the Standards Australia Committee ME-026, Industrial Trucks, to supersede AS 2359.4, *Powered industrial trucks, Part 4: Reach and straddle fork-lift trucks—Stability tests*.

The objective of this Standard is to provide designers and manufacturers of reach and straddle powered industrial trucks 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 22915-3:2014, *Industrial trucks—Verification of stability, Part 3: Reach and straddle trucks*.

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

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## AUSTRALIAN STANDARD

**Industrial trucks—Verification of stability****Part 3:  
Reach and straddle trucks****1 Scope**

This part of ISO 22915 specifies the tests for verifying the stability of reach trucks (with retractable mast or fork) and straddle trucks, equipped with tilting or non-tilting masts or fork arms and having a rated capacity up to and including 5 000 kg.

It is also applicable to such trucks operating under the same conditions when equipped with load-handling attachments.

**2 Normative references**

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

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 5053 and ISO 22915-1 apply.

**4 Test conditions****4.1 General**

See ISO 22915-1.

**4.2 Position of truck on tilt table****4.2.1 Load and drive/steer axles**

The load and drive/steer axles are defined by [Figure 1](#).