



# **Industrial trucks—Verification of stability**

## **Part 2: Counterbalanced trucks with mast**



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 2: Counterbalanced trucks with mast**

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Revised and redesignated AS 2359.1—1980.  
Revised and redesignated in part as AS 2359.3—1995.  
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## PREFACE

This Standard was prepared by the Standards Australia Committee ME-026, Industrial Trucks, to supersede AS 2359.3, *Powered industrial trucks, Part 3: Counterbalanced fork-lift trucks—Stability tests*.

The objective of this Standard is to provide designers and manufacturers of counterbalance 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 22915-2:2008, *Industrial trucks—Verification of stability, Part 2: Counterbalanced trucks with mast*.

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 2:  
Counterbalanced trucks with mast****1 Scope**

This part of ISO 22915 specifies the tests for verifying the stability of counterbalanced trucks with masts, equipped with fork arms or with load handling attachments. It is not applicable to those trucks designed for handling freight containers, dealt with by ISO 22915-9<sup>1)</sup>.

**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 5053, *Powered industrial trucks — Terminology*

ISO 22915-1, *Industrial trucks — Verification of stability — Part 1: General*<sup>2)</sup>

**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 steer axles**

The load and steer axles are defined by Figure 1.

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1) Under preparation.

2) To be published.