



Industrial trucks—Verification of stability

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



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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
 - WorkSafe Victoria
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Australian Standard[®]

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PREFACE

This Standard was prepared by the Standards Australia Committee ME-026, Industrial Trucks, to supersede AS 2359.1, *Powered industrial trucks*, Part 1: *General requirements*.

The objective of this Standard is to provide designers and manufacturers of order-picking trucks with an elevator above 1200 mm, the test criteria for 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 22915-21:2009, *Industrial trucks—Verification of stability*, Part 21: *Order-picking trucks with operator position elevating above 1 200 mm*.

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.

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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

AUSTRALIAN STANDARD

Industrial trucks—Verification of stability

Part 21:

Order-picking trucks with operator position elevating above 1 200 mm

1 Scope

This part of ISO 22915 specifies the tests for verifying the stability of order-picking trucks with an elevating operator position, as defined in ISO 5053, where the operator's position can be raised to an elevation above 1 200 mm.

It is applicable to industrial trucks fitted with fork arms, platforms and/or integrated attachments under normal operating conditions.

It is not applicable to trucks fitted with a load carrier that can be shifted laterally or pivoted out of the truck's longitudinal centre plane.

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 — General*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5053 and ISO 22915-1, and the following apply.

3.1**normal operating conditions**

operating conditions corresponding to the truck travelling indoors on smooth, level floors of sufficient strength such as those of concrete

NOTE This definition is different from the one given for *normal operating conditions* in ISO 22915-1:2008.

3.2**guided steering**

steering mode, either mechanical (e.g. guidance rails) or non-mechanical (e.g. inductive guidance, laser sensor or infrared) not controlled directly by the operator, used to steer the truck on a predetermined straight path while travelling