AS ISO 22915.1:2015
ISO 22915-1:2008

AS ISO 22915.1:2015

Industrial trucks—Verification of stability

Part 1: General

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.

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

This Standard was issued in draft form for comment as DR AS ISO 22915.1:2015.

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®

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First published as AS ISO 22915.1:2015.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 76035 105 2

PREFACE

This Standard was prepared by the Standards Australia Committee ME-026, Industrial Trucks.

The objective of this Standard is to provide designers and manufacturers of powered industrial trucks with the basic test criteria and common requirements when conducting stability tests.

This Standard is identical with, and has been reproduced from, ISO 22915-1:2008, *Industrial trucks—Verification of stability*, Part 1: *General*.

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:

Reference to International Standard		*Australian Standard*	
ISO		AS	
		2359	Powered industrial trucks
5053	Powered industrial trucks—Terminology	2359.7	Part 7: Terminology

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

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

INTRODUCTION

An important step forward in work on the ISO 22915 series was the agreement to put in place a new structure. The stability tests are presented in the form of a basic part describing and defining stability tests in general, together with separate parts that each give specific stability test criteria and requirements for a different truck type.

From the very beginning, the task of the Working Group involved was to establish the new structure and revise existing standards to create a series of International Standards complying with the major legislative regulations in the world such as those in force in the EU, USA, Japan and Australia.

For several problem areas compromises were needed and will be needed in the future. In order to ensure that these International Standards are actively used in the ISO member countries worldwide, it will be necessary that they replace existing national standards.

Only in this way will there will be the guarantee that products in accordance with these International Standards can be shipped worldwide, freely and without any technical barriers to trade.

AUSTRALIAN STANDARD

Industrial trucks—Verification of stability

Part 1: General

1 Scope

ISO 22915 deals with the safety of industrial trucks, as defined in ISO 5053, relative to their stability and the verification of that stability. For the purposes of ISO 22915, industrial trucks are wheeled, self-propelled or pedestrian-propelled vehicles, excepting those running on rails. They are either operator-controlled or driverless and designed to carry, tow, push, lift, stack or tier in racks.

This part of ISO 22915 specifies basic test criteria and requirements to verify stability for industrial trucks, hereafter referred to as trucks.

It applies to the following truck types and special conditions:

a) counterbalanced trucks with mast, as specified in ISO 22915-2;

b) reach and straddle trucks, as specified in ISO 22915-3;

c) pallet stackers, double stackers and order-picking trucks up to and including 1 200 mm lift height, as specified in ISO 22915-4;

d) single side loading trucks[1)];

e) bidirectional and multidirectional trucks, as specified in ISO 22915-7;

f) additional stability test for trucks operating in special conditions of stacking with the mast tilted forward, as specified in ISO 22915-8;

g) counterbalanced trucks with mast handling freight containers of 6 m (20 ft) length and longer[1)];

h) additional stability test for trucks operating in special conditions with the load substantially laterally displaced by powered devices, as specified in ISO 22915-10;

i) industrial variable reach trucks[1)];

j) industrial variable reach trucks handling freight containers of 6 m (20 ft) length and longer[1)];

k) rough-terrain variable reach trucks[1)];

l) counterbalanced trucks with articulated steering[1)];

m) pedestrian-propelled trucks[1)];

n) burden and personnel carriers[1)];

o) additional stability test for trucks operating in the special condition of offset load, offset determined by utilization, as specified in ISO 22915-20;

p) order-picking trucks with operator position elevating above 1 200 mm, as specified in ISO 22915-21.

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1) Intended to be covered by a future part of ISO 22915. See Foreword.