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Industrial trucks — Verification of stability

Part 2: Counterbalanced trucks with mast



AS ISO 22915.2:2021

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- Australian Forklift and Industrial Truck Association
- Australian Industry Group
- Australian Institute of Health and Safety
- Better Regulation Division (Fair Trading, Safework NSW, Testsafe)
- Construction and Mining Equipment Industry Group
- Hire and Rental Industry Association of Australia
- National Road Transport Association
- Victorian WorkCover Authority (WorkSafe Victoria)
- Telescopic Handler Association of Australia

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Preface

This Standard was prepared by the Standards Australia Committee ME-026, Industrial Trucks, to supersede AS ISO 22915.2:2015, *Industrial trucks — Verification of stability, Part 2: Counterbalanced trucks with mast*.

The objective of this document is to specify 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 AS 22915.9.

This Standard is identical with, and has been reproduced from, ISO 22915-2:2018, *Industrial trucks — Verification of stability — Part 2: Counterbalanced trucks with mast*.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*.

This second edition cancels and replaces the first edition (ISO 22915-2:2008), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

- in [Clause 2](#), removed ISO 5053, *Powered industrial — Terminology*;
- in [Clause 2](#), added ISO 5053-1, *Industrial Trucks — Terminology and Classification — Part 1: Types of industrial Trucks*;
- in [Clause 3](#), removed references to ISO 5053;
- in [Clause 3](#), added references to ISO 5053-1.

A list of all parts in the ISO 22915 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Australian Standard®

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1 Scope

This document 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.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 5053-1, *Industrial trucks — Terminology and classification — Part 1: Types of industrial trucks*

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 5053-1 and ISO 22915-1 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Test conditions

4.1 General

See ISO 22915-1.

4.2 Position of trucks and tilt table

4.2.1 Load and steer axles

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