
**Industrial trucks — Verification of
stability —**

**Part 15:
Counterbalanced trucks with
articulated steering**

Chariots de manutention — Vérification de la stabilité —

*Partie 15: Chariots avec dispositif de direction articulé travaillant
en porte-à-faux*



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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 22915-15 was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*.

ISO 22915 consists of the following parts, under the general title *Industrial trucks — Verification of stability*:

- *Part 1: General*
- *Part 2: Counterbalanced trucks with mast*
- *Part 3: Reach and straddle trucks*
- *Part 4: Pallet stackers, double stackers and order-picking trucks with operator position elevating up to and including 1 200 mm lift height*
- *Part 5: Single-side-loading trucks*
- *Part 7: Bidirectional and multidirectional trucks*
- *Part 8: Additional stability test for trucks operating in the special condition of stacking with mast tilted forward and load elevated*
- *Part 10: Additional stability test for trucks operating in the special condition of stacking with load laterally displaced by powered devices*
- *Part 11: Industrial variable-reach trucks*
- *Part 12: Industrial variable-reach trucks handling freight containers of 6m (20ft) length and longer*
- *Part 13: Rough-terrain trucks with mast*
- *Part 12: Industrial variable-reach trucks handling freight containers of 6m (20ft) length and longer*
- *Part 14: Rough-terrain variable-reach trucks*
- *Part 15: Counterbalanced trucks with articulated steering*
- *Part 16: Pedestrian-propelled trucks*
- *Part 20: Additional stability test for trucks operating in the special condition of offset load, offset by utilization*
- *Part 21: Order-picking trucks with operator position elevating above 1 200 mm*
- *Part 22: Lateral- and front-stacking trucks with and without elevating operator position*

The following parts are under preparation:

- *Part 9: Counterbalanced trucks with mast handling freight containers of 6 m (20 ft) length and longer*

Industrial and RTT lorry-mounted trucks are to form the subject of a future Part 23.

Industrial trucks — Verification of stability —

Part 15:

Counterbalanced trucks with articulated steering

1 Scope

This International Standard specifies the tests for verifying the stability of counterbalanced fork-lift trucks with articulating steering and with mast, equipped with fork arms or load-handling attachments.

It is not applicable to trucks with retractable devices such as a retractable mast or fork.

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 steer axles

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