



International  
Standard

**ISO 22915-8**

**Industrial trucks — Verification of  
stability —**

Part 8:  
**Additional stability test for trucks  
operating in the special condition  
of stacking with mast tilted forward  
and load elevated**

*Chariots de manutention — Vérification de la stabilité —*

*Partie 8: Essai de stabilité supplémentaire pour les chariots  
travaillant dans des conditions de gerbage spéciales avec le mât  
incliné en avant et la charge élevée*

**Third edition  
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# Sample Document

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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 document 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](http://www.iso.org/directives)).

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

This third edition cancels and replaces the second edition (ISO 22915-8:2018), which has been technically revised.

The main changes are as follows:

- the formatting has been updated to be in line with ISO 22915-10 and ISO 22915-20;
- references to ISO 22915-4, ISO 22915-5, ISO 22915-13 and ISO 22915-15 have been added to [Clause 4](#) and [Clause 5](#);
- the Introduction has been deleted to keep in line with other parts;
- all truck type names have been updated to be strictly in line with ISO 5053-1;
- Clause 6 was deleted because this is already required in ISO 3691-1;
- The term 3.1 was deleted and some of the text and [Figure 1](#) were moved to [4.1](#) instead;
- minor editorial changes have been made.

A list of all parts of 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](http://www.iso.org/members.html).

# Industrial trucks — Verification of stability —

## Part 8:

# Additional stability test for trucks operating in the special condition of stacking with mast tilted forward and load elevated

## 1 Scope

This document specifies an additional test for verifying the stability of a truck under the special operating condition of stacking with mast tilted forward and load in the elevated position.

This document is applicable to the following types of trucks as defined in ISO 5053-1 when fitted with a tiltable mast:

- a) counterbalance lift trucks;
- b) reach and straddle trucks;
- c) pallet-stacking trucks;
- d) side-loading trucks;
- e) multi-directional lift trucks;
- f) rough-terrain trucks;
- g) articulated counterbalance lift trucks.

## 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 — Vocabulary — Part 1: Types of industrial trucks*

ISO 22915-1, *Industrial trucks — Verification of stability — Part 1: General*

ISO 22915-2, *Industrial trucks — Verification of stability — Part 2: Counterbalanced trucks with mast*

ISO 22915-3, *Industrial trucks — Verification of stability — Part 3: Reach and straddle trucks*

ISO 22915-4, *Industrial trucks — Verification of stability — Part 4: Pallet stackers, double stackers and order-picking trucks with operator position elevating up to and including 1 200 mm lift height*

ISO 22915-5, *Industrial trucks — Verification of stability — Part 5: Single-side-loading trucks*

ISO 22915-7, *Industrial trucks — Verification of stability — Part 7: Bidirectional and multidirectional trucks*

ISO 22915-13, *Industrial trucks — Verification of stability — Part 13: Rough-terrain trucks with mast*

ISO 22915-15, *Industrial trucks — Verification of stability — Part 15: Counterbalanced trucks with articulated steering*