



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 26949.8-2022

**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**

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Foreword

This document was drafted in accordance with the rules given in GB/T 1.1-2020, Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents.

This document is Part 8 of GB/T 26949 Industrial trucks - Verification of stability. The following parts have been released for GB/T 26949:

- 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 trucks¹;
- Part 8: Additional stability test for trucks operating in the special condition of stacking with mast tilted forward and load elevated;
- Part 9: Counterbalanced trucks with mast handling freight containers of 6 m length and longer;

-- Part 10: Additional stability tests for trucks operating in the special conditions of stacking with load laterally displaced by powered devices;

-- Part 11: Industrial variable-reach trucks;

-- Part 13: Rough-terrain trucks with mast;

-- 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;

1 Under revision, and the name of the revised document shall be adjusted to Industrial Trucks - Verification of

stability - Part 7: Bidirectional and multidirectional trucks.

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 the additional stability test for trucks operating in the special condition of stacking with mast tilted forward and load elevated. This document applies to the following types of trucks:

- a) counterbalanced trucks with tiltable mast as specified in ISO 22915-2;
- b) reach (retractable mast or fork) and straddle trucks with tiltable mast as specified in ISO 22915-3;
- c) pallet stackers with tiltable mast as specified in ISO 22915-4;
- d) bidirectional and multidirectional (retractable mast or fork) trucks with tiltable mast as specified in ISO 22915-7;
- e) rough-terrain trucks with tiltable mast as specified in ISO 22915-13;

f) counterbalanced trucks with articulated steering with tiltable mast as specified in ISO 22915-15;

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 version corresponding to that date is applicable to this document; for undated references, the latest version (including all amendments) is applicable to this document.

ISO 3691-1, Industrial trucks - Safety requirements and verification - Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks

Note: GB/T 10827.1-2014, Industrial trucks - Safety requirements and verification - Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks (ISO 3691-1:2011, IDT)

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

Note: GB/T 26949.1-2020, Industrial trucks - Verification of stability - Part 1: General (ISO 22915-1:2016, IDT)

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

Note: GB/T 26949.1-2013, Industrial trucks - Verification of stability - Part 2: Counterbalanced trucks with mast (ISO 22915-2:2008, IDT)

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

Note: GB/T 26949.3-2018, Industrial trucks - Verification of stability - Part 3: Reach and straddle trucks (ISO 22915-3:2014, IDT)

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

Note: GB/T 26949.4-2016, 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 22915-4:2009, IDT)
ISO 22915-7, Industrial trucks - Verification of stability - Part 7: Bidirectional and multidirectional trucks

Note: GB/T 26949.7-2016, Industrial trucks - Verification of stability - Part 7: Bidirectional and multidirectional trucks (ISO 22915-7:2009, IDT)

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

Note: GB/T 26949.13-2017, Industrial trucks - Verification of stability - Part 13: Rough-terrain trucks with mast (ISO 22915-13:2012, IDT)

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

Note: GB/T 26949.15-2017, Industrial trucks - Verification of stability - Part 15: Counterbalanced trucks with articulated steering (ISO 22915-15:2013, IDT)

3 Terms and definitions

Terms and definitions determined by ISO 22915-1 and the following ones are applicable to this document.

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