AS 2359.19—2008
ISO 13562-2:2001

Australian Standard®

Powered industrial trucks

Part 19: Additional stability tests for industrial variable-reach trucks handling freight containers of length 6 m and above

This Australian Standard® was prepared by Committee ME-026, Industrial Trucks. It was approved on behalf of the Council of Standards Australia on 15 May 2007.
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- Australian Council of Trade Unions
- Australian Electrical and Electronic Manufacturers Association
- Australian Industrial Truck Association
- Australian Industry Group
- Australian Retailers Association
- Chamber of Commerce and Industry
- Construction and Mining Equipment Association of Australia
- Department of Consumer & Employment Protection, WorkSafe Division, WA
- Department of Defence (Australia)
- Hire and Rental Industry Association of Australia
- Safety Institute of Australia
- Victorian WorkCover Authority
- WorkCover New South Wales

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PREFACE

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

This Standard is identical with and has been reproduced from ISO 13562-2:2001, *Industrial variable-reach trucks*, Part 2: *Additional stability tests for trucks handling freight containers of length 6 m and above*.

The objective of this Standard is to specify the basic tests to verify the stability of industrial variable-reach fork-lift trucks. These trucks are referred to as a reach stacker. These stability tests are additional to those required in AS 2359.

Additional information on the application of this Standard in Australia is given in Appendix ZA.

This Standard is Part 19 of AS 2359, *Powered industrial trucks* which is published in part as follows:

Part 1: General requirements

Part 2: Operation

Part 3: Counterbalanced fork-lift trucks—Stability tests

Part 4: Reach and straddle fork-lift trucks—Stability tests

Part 5: Symbols for operator controls and other displays

Part 6: Safety code

Part 7: Terminology

Part 8: Pallet stackers and high-lift platform trucks—Stability tests

Part 9: Overhead guards—Specification and testing

Part 10: Hook-on type fork arms—Vocabulary

Part 11: Hook-on type fork arms and fork carriers—Mounting dimensions

Part 12: Hazardous areas

Part 13: Brake performance and component strength

Part 14: Fork arms—Technical characteristics and testing

Part 15: Fork arm extension and telescopic fork arms—Technical characteristics and strength requirements

Part 16: Safety signs and hazard pictorials—General principles

Part 17: Stability test for rough terrain trucks

Part 18: Stability tests for industrial variable-reach trucks

Part 19: Additional stability tests for industrial variable-reach trucks handling freight containers of length 6 m above (this Standard)

As this Standard is reproduced from an International Standard, the following applies:

(a) *Terminology* The words ‘this Australian Standard’ should replace the words ‘this part of ISO 13562’ whenever they appear.

(b) *Decimal comma* The decimal point should replace the decimal comma wherever it appears.

None of the normative references in the source document has been adopted as an Australian or Australian/New Zealand Standard.

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AUSTRALIAN STANDARD

Powered industrial trucks

Part 19:

Additional stability tests for industrial variable-reach trucks handling freight containers of length 6 m and above

1 Scope

1.1 This part of ISO 13562 specifies additional tests to verify the stability of industrial variable-reach fork-lift trucks handling empty or laden freight containers of length 6 m and above, swap bodies or semi-trailers.

1.2 This International Standard specifies tests in addition to those specified in ISO 13562-1.

It is applicable to self-propelled, seated-rider operated, counterbalanced industrial variable-reach fork-lift trucks

— with non-slewing booms or a slewing movement not greater than 5° either side of the longitudinal centre plane of the truck,

— fitted with fork arms or load-handling attachments,

— with a rigid chassis,

— that may have stabilizers or axle-locking devices, and

— with two-wheel steering systems.

1.3 The stability tests contained in this part of ISO 13562 ensure that variable-reach trucks handling freight containers have satisfactory stability when reasonably and appropriately used under the following conditions.

a) The truck is operating (travelling with the freight container at normal travelling height and stacking) in conditions where the wind speed is up to 12,2 m/s (Beaufort Scale Force 6).

NOTE 1 When the truck is operating in higher wind speeds, alternative ratings for use should be developed by use of higher values of v_w in equations (1) and (2).

b) The truck is travelling forward with the freight container leading, elevated so that the base is no higher than 1 m above the point of maximum depression of the seat cushion under the operator with the boom retracted as far as possible.

NOTE 2 The elevated load permits an operator in a low position on the truck to see underneath the container.

The stability tests to cover the conditions stated in a) above and Note 1 are applicable to all trucks.

The stability tests to cover the conditions stated in b) only are applicable to trucks with a partially elevated container.

1.4 This part of ISO 13562 is not applicable to the trucks specified in 1.2 when