AS 2359.18—2008
ISO 13562-1:2000

AS 2359.18—2008

Australian Standard®

Powered industrial trucks

Part 18: Stability tests for industrial variable-reach trucks

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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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Part 18: Stability tests for industrial variable-reach trucks

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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 13562-1:2000, *Industrial variable-reach trucks,* Part 1: *Stability tests*.

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 also known as telescopic handlers or telehandlers. In addition when used as dedicated container handler they are referred to as a reach stacker. The stability test requirements for rough terrain variable reach trucks can be found in AS 1418.19.

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

This Standard is Part 18 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 (this Standard)

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

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 18:
Stability tests for industrial variable-reach trucks

1 Scope

This part of ISO 13562 specifies basic tests to verify the stability of industrial variable-reach fork-lift trucks.

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

— with non-slewing booms or with 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 fixed or articulated chassis,

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

— with two- or four-wheel or articulated steering systems.

This part of ISO 13562 is not applicable to the above trucks when they are handling suspended loads which may swing freely.

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this part of ISO 13562. For dated references, subsequent amendments to, or revisions of, this publication do not apply. However, parties to agreements based on this part of ISO 13562 are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 5353:1995, *Earth-moving machinery, and tractors and machinery for agriculture and forestry — Seat index point.*

3 Purpose of tests

3.1 Normal operating conditions

The basic tests specified in this part of ISO 13562 ensure that the type of truck specified has satisfactory stability when reasonably and appropriately used under the following normal operating conditions:

a) stacking with the fork arms reasonably horizontal, with the truck on substantially firm, smooth, level and prepared surfaces;