

Australian Standard[®]

Powered industrial trucks

**Part 17: Stability tests for rough terrain
trucks (ISO 8379:1998, MOD)**



This Australian Standard® was prepared by Committee ME-026, Industrial Trucks. It was approved on behalf of the Council of Standards Australia on 5 May 2008. This Standard was published on 25 June 2008.

The following are represented on Committee ME-026:

- Australian Chamber of Commerce and Industry
 - Australian Council of Trade Unions
 - Australian Electrical and Electronic Manufacturers Association
 - Australian Industrial Truck Association
 - Australian Industry Group
 - Australian Retailers Association
 - 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 has been adopted with national modifications and has been reproduced from ISO 8379:1998, *Rough terrain—Stability tests* and Amendment 1:2001. The changes made by Amendment 1 have been incorporated into Appendix ZZ.

Additional requirements for Australia are given in Appendix ZZ.

This Standard is Part 17 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 (this Standard)
- 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

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

- (a) *Terminology* The words ‘this Australian Standard’ should replace the words ‘this International Standard’ 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.

AUSTRALIAN STANDARD

Powered industrial trucks

Part 17:

Stability tests for rough terrain trucks (ISO 8379:1998, MOD)

1 Scope

This International Standard specifies the basic tests to verify the stability of rough terrain lift trucks and rough terrain variable reach trucks.

It is applicable to the above trucks:

- with a seated operator;
- fitted with fork arms or attachments;
- with fixed or articulated chassis;
- which may have stabilizers, axle-locking or frame-levelling devices;
- with two- or four-wheel or articulated steering systems;
- with masts with or without tilt mechanisms;
- with non-slewing booms or having slewing movement not greater than 5° either side of the longitudinal centre-plane.

This International Standard is not applicable to trucks when handling suspended loads which may swing freely.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standard listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

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

ISO 5767:1992, *Industrial trucks operating in special conditions of stacking with mast tilted forward — Additional stability test*

ISO 10658:1996, *Industrial trucks operating in special conditions of stacking with load offset by powered devices — Additional stability test*