AS 1418.19—2007

Australian Standard®

Cranes, hoists and winches

Part 19: Telescopic handlers

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The following are represented on Committee ME-005:

- Association of Consulting Engineers Australia
- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Australian Institute for Non-Destructive Testing
- Bureau of Steel Manufacturers of Australia
- Construction and Mining Equipment Industry Group
- Crane Industry Council of Australia
- Department for Administrative and Information Services (South Australia)
- Department of Consumer and Employment Protection, WorkSafe Division (WA)
- Department of Labour New Zealand
- Elevating Work Platform Association of Australia
- Engineers Australia
- Vehicle Loading Crane Interests
- Victorian WorkCover Authority
- WorkCover New South Wales

Additional Interests:

- Australian Industrial Truck Association

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PREFACE

This draft was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-005, Cranes.

The objective of this Standard is to provide requirements for self-propelled telescopic handlers that are intended to handle loads using different types of attachments.

In the preparation of this Standard, cognizance was taken of BS EN 1459:1999, *Safety of industrial trucks—Self-propelled variable reach trucks* and AS 1418.5—2002, *Mobile cranes*.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard applies to self-propelled non-slewing and slewing, not greater than 5° either side of the longitudinal axis, of seated rider-operated telescopic handlers (hereinafter referred to as 'telehandlers'), as defined in Clause 1.3.31, intended to handle loads, including freely suspended loads, using one of the attachments defined in Clause 1.3.

NOTE: Attachments may be mounted directly on the lifting means or on an auxiliary mast fixed at the end of the lifting means.

Telescopic handlers with the ability to slew greater than 5° will have to comply with AS 1418.5 in addition to the requirements of this Standard (excluding the static stability testing procedures as defined in Clause 2.9 and Appendices B to F).

The use of the term 'slew' from hereon refers to those telehandlers that can slew up to five degrees, except where clearly stated otherwise.

In addition, all telescopic handlers intended to support work platforms will have to comply with AS 1418.10.

This Standard does not apply to industrial variable reach trucks ('reach stackers') designed to handle series 1 freight containers 2.5 m long with the dimensional and securing characteristics specified in ISO 668 and ISO 3874.

Telehandlers are also known by a variety of terms, such as 'variable reach trucks' and 'multi-purpose handlers'.

Two types of telehandlers are covered in this Standard, as follows:

(a) Telehandlers for operation on substantially firm smooth, level and prepared surfaces, known as 'industrial telehandlers'.

(b) Rough terrain telehandlers for operation on unimproved natural terrain and disturbed terrain or areas.

Telehandlers covered by this Standard may be equipped with fork tynes for normal industrial duties, or attachments for specific applications such as earth-moving buckets and jibs and the like. Telehandlers may be equipped with stabilizer/outriggers, axle locking or lateral levelling devices.

For hazards occurring during construction, transportation, commissioning, decommissioning and disposal, reference should be made to ISO 12100-2.