

Australian Standard™

**Cranes, hoists and winches**

**Part 8: Special purpose appliances**

This Australian Standard was prepared by Committee ME-005, Cranes. It was approved on behalf of the Council of Standards Australia on 27 July 2002 and published on 15 October 2002.

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The following are represented on Committee ME-005:

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Construction and Mining Equipment Association of Australia  
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**Part 8: Special purpose appliances**

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## PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-005, Cranes, to supersede AS 1418.8—1989, *Cranes (including hoists and winches) Part 8: Special purpose appliances*.

The objective of this Standard is to provide requirements for special purpose appliances for reference by manufacturers, suppliers, users and regulators.

The major change in this edition is the addition of new Sections 5 and 6 covering requirements for earth-moving equipment used as cranes and side-boom pipelayers, which were previously covered in AS 1418.5.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

**Australian Standard**  
**Cranes, hoists and winches**

Part 8: Special purpose appliances

SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard specifies requirements for special purpose appliances used for the hoisting of loads and personnel, as defined in AS 2549, but does not apply to builders hoists (see AS 1418.7), guided storing and retrieving appliances (see AS 1418.6), and vehicle hoists (see AS 1418.9). It is complementary to AS 1418.1 but requirements given herein take precedence over corresponding requirements in AS 1418.1.

NOTE: Guidance on information to be supplied with enquiries, order, tender or request for hire is given in Appendix A.

**1.2 APPLICATION**

Platform hoists and tip-truck hoisting systems shall comply with Sections 1 and 2. In addition, Section 3 applies to platform hoists, Section 4 applies to tip truck hoisting systems, Section 5 applies to earth-moving equipment used as mobile cranes, and Section 6 applies to side-boom pipelayers.

**1.3 TYPES**

**1.3.1 Platform hoists**

Platform hoists shall include—

- (a) tailgate hoists;
- (b) guided platform hoists serving two fixed levels only, laterally restrained by guides; and
- (c) unguided platform hoists serving two fixed levels only, with the lateral restraint provided by the hoist structure;

but shall not include wheelchair hoists.

NOTE: Some authorities may require an enclosure in some circumstances for equipment covered by Clauses 1.3.1(b) and 1.3.1(c).

**1.3.2 Tip truck hoisting systems**

Tip truck hoisting systems shall include—

- (a) hydraulically actuated systems;
- (b) pneumatically actuated systems; and
- (c) mechanically actuated systems.