

Australian Standard™

Cranes (including hoists and winches)

**Part 7: Builders' hoists and associated
equipment**

This Australian Standard was prepared by Committee ME/5, Cranes. It was approved on behalf of the Council of Standards Australia on 20 August 1999 and published on 5 October 1999.

The following interests are represented on Committee ME/5:

Association of Consulting Engineers Australia
Australian Chamber of Commerce and Industry
Australian Elevator Association
Australian Institute for Non-Destructive Testing
Bureau of Steel Manufacturers of Australia
Construction and Mining Equipment of Australia
Crane Industry Council of Australia
Department of Administrative and Information Services, S.A.
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Part 7: Builders' hoists and associated equipment

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/5, Cranes, to supersede AS 1418.7—1988.

This Standard is a result of consensus among representatives of the Joint Committee to produce it as an Australian Standard.

This edition incorporates the following changes:

- (a) The format has been revised in accordance with Standards Australia's procedures.
- (b) 'Equipment' has been qualified by the addition of 'associated' in the title to more accurately reflect the content of the Standard.
- (c) The content has been amended to allow for—
 - (i) the new edition of [AS 1418.1](#), *Cranes (including hoists and winches) Part 1: General requirements*, published in 1994;
 - (ii) technological advances; and
 - (iii) the development of draft European Standards prEN 12158-1, *Builders hoists Part 1: Hoists with accessible platforms*, and prEN 12159, *Builders hoists for persons and materials with vertically guided cage*.
- (d) All operational and maintenance matters have been removed from this Standard and placed in Amendment No. 1 to [AS 2550.7](#)—1996, *Cranes—Safe use*, Part 7: *Builders' hoists and associated equipment*.
- (e) The Appendix on 'Statutory Approval' has been removed in response to the changing role of regulatory authorities.
- (f) The requirements specific to jib attachments have been deleted.
- (g) Editorial changes.

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.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 NEW DESIGNS AND INNOVATION	4
1.3 APPLICATION.....	4
1.4 REFERENCED DOCUMENTS	4
1.5 DEFINITIONS	5
1.6 SAFETY	5
SECTION 2 GENERAL REQUIREMENTS FOR DESIGN	
2.1 BASIS OF DESIGN	6
2.2 CLASSIFICATION OF HOIST	6
2.3 DEFLECTION	6
2.4 TIES	6
2.5 DRIVING MECHANISMS	6
2.6 DRIVE UNIT ISOLATION	7
2.7 GUARDING	7
2.8 RACK-AND-PINION DRIVE	7
2.9 SAFETY GEAR	8
2.10 BRAKING SYSTEM	9
2.11 OVERLOAD DETECTION DEVICE.....	10
SECTION 3 MATERIALS HOISTS AND CONCRETE SKIP HOISTS	
3.1 SCOPE OF SECTION.....	12
3.2 LOAD RATING.....	12
3.3 LOADS	12
3.4 LOAD COMBINATIONS.....	12
3.5 DESIGN AND CONSTRUCTION.....	13
3.6 INSTALLATION.....	18
3.7 MARKING.....	19
3.8 TESTING.....	19
SECTION 4 PERSONNEL AND MATERIALS HOISTS	
4.1 SCOPE OF SECTION.....	21
4.2 LOAD RATING.....	21
4.3 LOADS	21
4.4 LOAD COMBINATIONS.....	22
4.5 DESIGN AND CONSTRUCTION.....	22
4.6 INSTALLATION	29
4.7 MARKING.....	30
4.8 TESTING.....	30
4.9 COMMUNICATIONS	31
4.10 EMERGENCY OPERATION AND ACCESS	31
APPENDICES	
A INFORMATION TO BE SUPPLIED WITH TENDER	32
B LIST OF TYPICAL HAZARDS	33
C WROUGHT ALUMINIUM ALLOY FERRULES (BASED ON DIN 3093.1 AND DIN 3813.2).....	35

STANDARDS AUSTRALIA

Australian Standard
Cranes (including hoists and winches)

Part 7: Builders' hoists and associated equipment

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out requirements for temporary hoists for use in the building industry. It does not apply to tower cranes (see [AS 1418.4](#)), mobile and vehicle loading cranes (see [AS 1418.5](#)), mining hoists, mast climbing work platforms (see [AS 1418.16](#)), rope-guided hoists, conveyors (see [AS 1755](#)) and elevating work platforms (see [AS 1418.10](#)).

NOTE: See Appendix A for guidance on information to be supplied with tender.

Guidance on the requirements for operation, inspection and maintenance to ensure safe use of builders' hoists and associated equipment is given in [AS 2550.7](#).

1.2 NEW DESIGNS AND INNOVATION

This Standard does not preclude the use of novel materials, designs, methods of assembly, procedures and the like which do not comply with a specific requirement of the Standard, or are not mentioned in it, but which can be shown to give equivalent or superior results to those specified.

1.3 APPLICATION

The hoists shall comply with the general requirements for design in Section 2 and the specific requirements in Section 3 for materials hoists and concrete skip hoists or in Section 4 for personnel and material hoists, according to the type of hoist.

This Standard is complementary to [AS 1418.1](#), but the requirements herein shall take precedence over corresponding requirements in that Standard.

NOTE: This Standard applies to new builders' hoists designed and build after its publication date. It is not intended to apply retrospectively to builders' hoists designed and built before that date.

1.4 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1138	Thimbles for wire rope
1391	Methods for tensile testing of metals
1418	Cranes (including hoists and winches)
1418.1	Part 1: General requirements
1418.4	Part 4: Tower cranes
1418.5	Part 5: Mobile and vehicle-loading cranes
1418.10	Part 10: Elevating work platforms
1418.16	Part 16: Mast climbing work platforms
1657	Fixed platforms, walkways, stairways and ladders—Design, construction and installation