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AS 1576.1-1991

Australian Standard®

Scaffolding

Part 1: General requirements

This Australian Standard was prepared by Committee BD/36, Scaffolding. It was approved on behalf of the Council of Standards Australia on 20 August 1991 and published on 7 October 1991.

The following interests are represented on Committee BD/36:

A.C.T. Administration, Office of City Management

Aluminium Development Council

Australian Federation of Construction Contractors

Confederation of Australian Industry

Department of Industrial Affairs, Qld

Department of Labour and Industry, Tas.

Department of Labour, S.A.

Department of Labour, Vic.

Department of Occupational Health Safety and Welfare, W.A.

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STANDARDS AUSTRALIA

Amendment No. 1
to
AS 1576.1—1991
Scaffolding
Part 1: General requirements



CORRECTION

The 1991 edition of AS 1576.1 is amended as follows; the amendments should be inserted in the appropriate place.

SUMMARY: This Amendment applies to Clauses 1.2, 3.5.5 and 3.6.4.

Published on 16 November 1992.

Page 4 Clause 1.2

Delete the following Referenced Documents:

1418 SAA Crane Code

1418.2 Part 2: Serial hoists and winches

Page 10 Clause 3.5.5

Item (c), line 2, delete the requirement '255 mm' and substitute '225 mm'.

Page 11 Clause 3.6.4

Item (i), delete the word 'platforms' and substitute 'landings'.

Australian Standard®

Scaffolding

Part 1: General requirements

First published as part of AS 1576—1974. Revised and redesignated in part as AS 1576.1—1991.

PREFACE

This Standard was prepared by the Standards Australia Committee on Scaffolding. It is one of a series of four Standards which collectively supersede and amalgamate AS 1575—1974, Tubes, couplers and accessories used in metal scaffolding and AS 1576—1974, SAA Metal Scaffolding Code, both of which will be withdrawn on June 30, 1992.

This series of Standards is as follows:

AS	
1576	Scaffolding
1576.1	Part 1: General requirements
1576.2	Part 2: Couplers and accessories
1576.3	Part 3: Prefabricated and tube-and-coupler scaffolding
1576.3 Supp1	
1576.4	Part 4: Suspended scaffolding

This series incorporates the following major changes from the previous documents:

- (a) The Standard is in parts. Part 1 covers design and operational requirements for scaffolding. Specific requirements for particular types of scaffolding are covered by subsequent parts. For a particular type of scaffold, this part applies together with the part relevant to the scaffold type.
 - Part 2 is a revision (in part) of AS 1575—1974, Tubes, couplers and accessories used in metal scaffolding. The section in AS 1575—1974 on scaffolding tube is incorporated in Part 3 of this edition.
 - Part 3 gives the performance requirements for both prefabricated scaffolds and tube-and-coupler scaffolds which were not covered in the previous edition.
- (b) The metal tube-and-coupler scaffolding covered by AS 1576—1974 is now incorporated in Supplement 1 of Part 3 of this edition.
- (c) Part 4 covers suspended scaffolding which was not covered in the previous Standard.
- (d) Only steel scaffold tube of 48.3 mm outside diameter, 4 mm wall thickness and aluminium tube of 48.4 mm outside diameter, 4.47 mm wall thickness is given in Supplement 1 of Part 3 for spacing of members.
- (e) Where appropriate, the provisions of AS 1657, Fixed platforms, walkways, stairs, and ladders— Design, construction, and installation, have been called up.
- (f) The minimum width of a heavy duty working platform has been increased.

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STANDARDS AUSTRALIA

Australian Standard Scaffolding

Part 1: General requirements

SECTION 1 SCOPE AND GENERAL

- 1.1 SCOPE This Standard sets design and operational requirements for scaffolding except trestle scaffolding, portable ladders intended to be used as working platforms, and elevating working platforms.
- 1.2 REFERENCED DOCUMENTS The documents below are referred to in this Standard:

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- 1170 SAA Loading Code
- 1170.1 Part 1: Dead and live loads and load combinations
- Part 2: Wind loads 1170.2
- 1170.3 Part 3: Snow loads

SEE AMENDMENT 1/110 SAA-Crane Code

1418.2 Part-2: Serial hoists and winches

- 1504 Fibre rope—three-strand, hawser laid
- 1538 Cold-formed Steel Structures Code
- 1554 SAA Structural Welding Code
- 1576 Scaffolding
- 1576.2
- Part 2: Couplers and accessories
 Part 3: Prefabricated and tube and coupler scaffolding 1576.3
- Part 4: Suspended scaffolding 1576.4
- 1577 Solid timber scaffold planks
- 1578 Laminated timber scaffold planks
- 1657 SAA Code for Fixed Platforms, Walkways, Stairways, and Ladders
- 1664 SAA Aluminium Structures Code
- 1665 SAA Aluminium Welding Code
- 1688 Portable timber ladders
- 1720 SAA Timber Structures Code
- Part 1: Design methods 1720.1
- 1752 Fibre rope—Eight-strand plaited
- Portable ladders 1892
- Part 1: Metal 1892.1
- 2121 SAA Earthquake Code
- 2321 Short-link chain for lifting purposes
- 3569 Steel wire ropes
- 4100 Steel structures
- 1.3 **DEFINITIONS** For the purpose of this Standard, the definitions below apply.
- 1.3.1 Access platform—a platform which is used or intended to be used only to provide for access of persons, or persons and materials to or from places of work.
- 1.3.2 Baseplate—a plate to distribute the load from a load-bearing member to the supporting structure.
- 1.3.3 Bay—the space enclosed by four adjacent standards, or the equivalent space in a single pole scaffold.
- 1.3.4 Brace—a member fixed diagonally to two or more members of the scaffold to provide rigidity to the scaffold.
- 1.3.5 Castor—a swivelling wheel attached to the lower end of a standard for the purpose of supporting and moving a scaffold.
- 1.3.6 Catch platform—a platform attached to a scaffold to contain falling debris.

NOTE: A cantilevered catch platform is also called a fan.