

Australian Standard[®]

Scaffolding

Part 2: Couplers and accessories

This Standard was prepared by Committee BD/36, Scaffolding. It was approved on behalf of the Council of Standards on 21 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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Part 2: Couplers and accessories

First published as part of AS 1575—1974.
Revised and redesignated in part as AS 1576.2—1991.

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PREFACE

This Standard was prepared by the Standards Australia Committee on Scaffolding, to supersede (in part) AS 1575—1974, *Tubes, couplers and accessories used in metal scaffolding*, which will be withdrawn on June 30, 1992.

This edition incorporates the following major changes from the previous edition:

- (a) Minimum material requirements are given for aluminium.
- (b) Changes to the general design requirements for couplers.
- (c) The design and performance requirements for adjustable legs has replaced those requirements for adjustable baseplates.
- (d) A limit has been placed on the distortion of a tube when tested with a coupler.

Requirements for steel tube and aluminium tube are incorporated in AS 1576.3.

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STANDARDS AUSTRALIA

**Australian Standard
Scaffolding****Part 2: Couplers and accessories****SECTION 1 SCOPE AND GENERAL**

1.1 SCOPE This Standard specifies requirements for couplers and accessories for light, medium and heavy duty scaffolding, in accordance with AS 1576.1.

1.2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- | | |
|--------|----------------------------------------------------------------------------|
| 1111 | ISO metric hexagon commercial bolts and screws |
| 1112 | ISO metric hexagon nuts, including thin nuts, slotted nuts and castle nuts |
| 1237 | Flat metal washers for general engineering purposes (metric series) |
| 1444 | Wrought alloy steels—Standard and hardenability (H) series |
| 1576 | Scaffolding |
| 1576.1 | Part 1: General requirements |
| 1594 | Hot-rolled low carbon steel plate, sheet and strip |
| 1734 | Aluminium and aluminium alloys—Flat sheet, coiled sheet and plate |
| 1866 | Aluminium and aluminium alloys—Extruded rod, bar, solid and hollow shapes |
| 1874 | Aluminium and aluminium alloys—Ingots and castings |
| 3678 | Hot-rolled structural steel plate floor plate and slabs |
| 3679 | Hot-rolled structural steel bars and sections |

1.3 DEFINITIONS For the purpose of this Standard the definitions given in AS 1576.1 and those below apply.

1.3.1 Adjustable baseplate—a baseplate embodying an adjustable leg.

1.3.2 Adjustable castor—a castor incorporating a height-adjusting device that fits inside the standard or vertical member of a scaffold.

1.3.3 Adjustable leg—a threaded bar or tube with nut, designed to fit inside a standard to support the load from a standard, and which is for levelling purposes, in conjunction with a baseplate, forkhead or castor.

1.3.4 Coupler—a fitting which joins two tubes.

1.3.5 End-to-end coupler—a coupler for joining two tubes end-to-end.

1.3.6 Flange clamp—a load-bearing clamp for connecting a tube to the flange of a structural member. Flange clamps may be rigid or swivelling.

1.3.7 Forkhead—a U-shaped housing to support and locate a standard over a bearer or a bearer over a standard. A fork head may be fixed or adjustable.

1.3.8 Joint pin—an internal end-to-end coupler for joining two tubes.

1.3.9 Parallel coupler—a load-bearing coupler for making a lap or spliced joint between two tubes.

1.3.10 Pintle—a projection at the top of the castor used to locate the vertical members of the mobile scaffold frame.

1.3.11 Putlog coupler—a coupler for fixing a putlog to a ledger.

1.3.12 Putlog blade—a fitting that is fixed to the end of a putlog permitting it to be located and supported in a joint of a wall.

1.3.13 Right-angle coupler—a non-swivel load-bearing coupler, other than a putlog coupler, for connection two tubes at right angles.

1.3.14 Sleeve coupler—an external end-to-end coupler for joining two tubes.

1.3.15 Swivel coupler—a coupler for connecting two tubes at any angle.