

Australian/New Zealand Standard™

**Scaffolding**

**Part 2: Couplers and accessories**



## AS/NZS 1576.2:2016

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD-036, Scaffolding. It was approved on behalf of the Council of Standards Australia on 14 October 2016 and by the New Zealand Standards Approval Board on 5 October 2016.

This Standard was published on 23 December 2016.

---

The following are represented on Committee BD-036:

Australian Aluminium Council  
Australian Council of Trade Unions  
Australian Industry Group  
Australian Steel Institute  
Business New Zealand  
Engineered Wood Products Association of Australasia  
Engineers Australia  
Hire and Rental Industry Association of Australia  
Housing Industry Association  
Master Builders Australia  
National Scaffolding Association of Australia  
Safe Work Australia  
SafeWork NSW  
Scaffolding, Access and Rigging New Zealand  
Scaffolding, Rigging and Industrial Rope Access Industries Training  
WorkSafe Victoria

---

### Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at [www.saiglobal.com](http://www.saiglobal.com) or Standards New Zealand web site at [www.standards.govt.nz](http://www.standards.govt.nz) and looking up the relevant Standard in the on-line catalogue.

For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of Standards Australia or the New Zealand Standards Executive at the address shown on the back cover.

---

*This Standard was issued in draft form for comment as DR AS/NZS 1576.2:2016.*

---

# Australian/New Zealand Standard™

## Scaffolding

### Part 2: Couplers and accessories

Originated in Australia as AS 1576.2—1991.  
Originated in New Zealand as AS/NZS 1576.2:2009.  
Third edition 2016.

#### **COPYRIGHT**

© Standards Australia Limited/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, PO Box 1473, Wellington 6011.

ISBN 978 1 76035 648 4

## PREFACE

This Standard was prepared by the Standards Australia Committee BD-036, Scaffolding, to supersede AS/NZS 1576.2:2009.

The objective of this Standard is to provide manufacturers and suppliers of couplers and accessories with requirements that will ensure the proper operation of couplers and accessories for light, medium, heavy and special duty scaffolding.

Tubes, couplers and accessories that have been tested to AS/NZS 1576.2:2009, *Scaffolding, Part 2: Couplers and accessories*, are deemed to be compliant provided they have been tested and documented in accordance with the relevant Standard.

This edition incorporates the following major changes to the 2009 edition:

- (a) Couplers that meet the performance requirements of EN 74-1, *Couplers, spigot pins and baseplates for use in falsework and scaffolds, Part 1: Couplers for tubes—Requirements and test procedures*, for similar type couplers are deemed to comply with this Standard without the need for type testing.
- (b) Introduction of performance requirements for aluminium adjustable baseplates and aluminium adjustable swivel baseplates.
- (c) The scope of the vertical load test in Appendix H has been extended to cover both aluminium and steel baseplates.

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.....	5
1.2 NORMATIVE REFERENCES .....	5
1.3 DEFINITIONS.....	6
1.4 ALTERNATIVE DESIGN METHODS AND MATERIALS .....	7
1.5 MARKING .....	8
1.6 CONFORMITY WITH EUROPEAN STANDARD .....	8
1.7 INFORMATION TO BE SUPPLIED .....	8
SECTION 2 MATERIALS	
2.1 PROPERTIES.....	9
2.2 STEEL .....	9
2.3 ALUMINIUM.....	9
SECTION 3 DESIGN REQUIREMENTS	
3.1 GENERAL.....	10
3.2 COUPLERS.....	10
3.3 ACCESSORIES.....	12
SECTION 4 PERFORMANCE REQUIREMENTS	
4.1 GENERAL.....	15
4.2 COUPLERS.....	15
4.3 ADJUSTABLE LEG, ADJUSTABLE BASEPLATE OR ADJUSTABLE SWIVEL BASEPLATE .....	16
4.4 CASTOR WITH PLAIN PINTLE.....	17
4.5 ADJUSTABLE CASTORS.....	17
4.6 PUTLOG BLADE.....	17
4.7 RIGID OR SWIVELLING FLANGE CLAMP .....	18
SECTION 5 TESTED ITEMS.....	20
APPENDICES	
A SLIP TEST FOR RIGHT-ANGLE AND SWIVEL COUPLERS .....	20
B DISTORTION TEST FOR RIGHT-ANGLE AND SWIVEL COUPLERS.....	23
C STRENGTH TEST FOR PUTLOG COUPLER.....	26
D SLIP TEST FOR PUTLOG COUPLER .....	28
E BENDING LOAD CAPACITY OF END-TO-END COUPLER.....	30
F SPLICING TEST FOR PARALLEL COUPLERS .....	32
G DETERMINATION OF SLIP RESISTANCE USING A CHECK COUPLER.....	34
H VERTICAL LOAD TEST FOR ADJUSTABLE LEG, ADJUSTABLE BASEPLATE AND ADJUSTABLE SWIVEL BASEPLATE .....	37
I VERTICAL LOAD TEST FOR A PLAIN PINTLE CASTOR AND ADJUSTABLE CASTOR AT NO EXTENSION .....	41
J VERTICAL LOAD TEST ON AN ADJUSTABLE CASTOR.....	42
K TEST FOR PUTLOG BLADE.....	45
L STRENGTH TEST FOR FLANGE CLAMP .....	47
M SLIP TEST THROUGH RIGID AND SWIVEL FLANGE CLAMPS .....	49
N SLIP TEST OF RIGID AND SWIVEL FLANGE CLAMPS ALONG A FLANGE .....	51

This is a free preview. Purchase the entire publication at the link below:

## **AS/NZS 1576.2 : 2016 : EN PDF**

- ⤵ Looking for additional Standards? Visit SAI Global Infostore
- ⤵ Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation

Need to speak with a Customer Service Representative - Contact Us