

AS/NZS 3679.2:1996

Australian/New Zealand Standard<sup>®</sup>

---

**Structural steel**

**Part 2: Welded I sections**

---

## **AS/NZS 3679.2:1993**

---

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD/23, Structural Steel. It was approved on behalf of the Council of Standards Australia on 31 October 1995 and on behalf of the Council of Standards New Zealand on 13 November 1995. It was published on 5 February 1996.

---

The following interests are represented on Committee BD/23:

Association of Consulting Engineers, Australia  
Australian Chamber of Commerce and Industry  
Australian Institute of Steel Construction  
AUSTROADS  
Bureau of Steel Manufacturers of Australia  
Heavy Engineering Research Association, New Zealand  
Metal Trades Industry Association of Australia  
New Zealand Manufacturers Federation  
Steel Institute of Australia

---

**Review of Standards.** To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

---

AS/NZS 3679.2:1996

Australian/New Zealand Standard<sup>®</sup>

---

**Structural steel**

**Part 2: Welded I sections**

---

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA  
1 The Crescent,  
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND  
Level 10, Radio New Zealand House,  
155 The Terrace,  
Wellington 6001 New Zealand

ISBN 0 7337 0198 1

## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD/23 on Structural Steel to supersede AS 3679.2—1991.

The objective of this Standard is to specify requirements for welded I sections for general structural and engineering functions. These functions include the possibility of such welded I sections being subjected to dynamic and other special loads. This Standard does not cover built-up (i.e. custom-built) welded I sections designed in accordance with AS 3990, AS 4100 or NZS 3404.

This edition incorporates the following major changes:

- (a) Deletion of weather-resistant weldable grades.
- (b) References to hot-rolled plates are now referred to AS/NZS 3678.
- (c) Geometrical properties of steel sections are deleted.
- (d) Appendix B is updated.

A statement expressed in mandatory terms in a note to a table is deemed to be a requirement of this Standard.

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.

### © Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

## CONTENTS

	<i>Page</i>
1 SCOPE .....	4
2 REFERENCED DOCUMENTS .....	4
3 DEFINITIONS .....	5
4 DESIGNATION .....	6
5 MATERIALS .....	6
6 MANUFACTURING .....	6
7 MANUFACTURING TOLERANCES .....	7
8 MECHANICAL TEST REQUIREMENTS .....	7
9 WELD QUALITY, TESTING AND EXAMINATION .....	7
10 IDENTIFICATION .....	8
11 ROUNDING OF NUMBERS .....	8

## APPENDICES

A PURCHASING GUIDELINES .....	17
B MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD .....	19
C MEASUREMENT OF CAMBER AND SWEEP IN WELDED I SECTIONS ..	21

First published in Australia as AS 3679.2—1991.  
Jointly revised and designated AS/NZS 3679.2:1996.

Incorporating:  
Amdt 1—1998

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

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-