

Australian/New Zealand Standard™

Structural steel

Part 1: Hot-rolled bars and sections



S t a n d a r d s Australia



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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
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD/23 on Structural Steel to supersede AS 3679.1—1990.

This Standard incorporates Amendment Nos. 1 and 2 (May 2000). The changes required by the Amendments are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure, or part thereof affected.

The objective of this Standard is to specify requirements for hot-rolled structural steel bars and sections for general structural and engineering applications.

This edition incorporates Amendment No. 1 and the following major changes:

- (a) Deletion of weather-resistant weldable grades.
- (b) Increase of copper content to 0.5%.
- (c) Modification of the chemical and mechanical properties for grade 300 on some sections.
- (d) Deletion of universal bearing piles.
- (e) Deletion of 760 and 690 universal beams.
- (f) Geometrical properties of steel sections are deleted.
- (g) 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.

CONTENTS

	<i>Page</i>
1 SCOPE	4
2 REFERENCED DOCUMENTS	4
3 DEFINITIONS	5
4 DESIGNATION	6
5 CHEMICAL COMPOSITION	7
6 DIMENSIONS	7
7 MANUFACTURING TOLERANCES	7
8 FREEDOM FROM DEFECTS	8
9 SELECTION OF TEST SAMPLES	9
10 POSITION AND ORIENTATION OF TEST PIECES	9
11 PREPARATION OF TEST PIECES FOR MECHANICAL TESTING	9
12 TESTING PROCEDURES	10
13 MECHANICAL TEST REQUIREMENTS	10
14 IDENTIFICATION	10
15 ROUNDING OF NUMBERS	11
 APPENDICES	
A PURCHASING GUIDELINES	31
B MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD	33
C COLD-BENDING OF ROUNDS, FLATS AND SQUARES DURING FABRICATION	36
D MEASUREMENT OF CAMBER AND SWEEP IN UNIVERSAL SECTIONS	37