

Australian/New Zealand Standard™

**Structural steel—Hot-rolled plates,  
floorplates and slabs**



## **AS/NZS 3678:2016**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD-023, Structural Steel. It was approved on behalf of the Council of Standards Australia on 13 January 2016 and on behalf of the Council of Standards New Zealand on 21 January 2016.

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The following are represented on Committee BD-023:

Australian Chamber of Commerce and Industry  
Australian Industry Group  
Australian Steel Association  
Australian Steel Institute  
Austroads  
Bureau of Steel Manufacturers of Australia  
Business New Zealand  
New Zealand Heavy Engineering Research Association  
Steel Construction New Zealand  
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*This Standard was issued in draft form for comment as DR AS/NZS 3678.*

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# Australian/New Zealand Standard™

## Structural steel—Hot-rolled plates, floorplates and slabs

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD-023, Structural Steel, to supersede AS/NZS 3678:2011.

*This Standard incorporates Amendment No. 1 (December 2017). The changes required by the Amendment 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 manufacturers and suppliers of hot-rolled plates, floorplates and slabs for general structural and engineering applications.

This edition includes the following major changes from the previous edition.

- (a) Requirements for type testing and minimum production testing and inspections have been included in the normative appendix on product conformity.
- (b) Test certificates are required to be available for all products produced to this Standard.
- (c) Labelling requirements have been added to enable products compliant with this Standard to be traceable back to their corresponding test certificate.
- (e) Definitions, clause numbering and layout across the four steel-product Standards AS/NZS 1163, AS/NZS 3678, AS/NZS 3679.1 and AS/NZS 3679.2 are consistent, wherever practicable.
- (f) Additional definitions in Clause 3.
- (g) Notation clause removed as duplicated in document. All notation defined in line.
- (h) Sulfur limits for some Z grades.
- (i) Internal soundness clause added.
- (j) Tensile test dimensions defined.
- (k) Through thickness tested grades down to 12 mm thickness.
- (l) Mechanically tested grades up to 200 mm thickness.
- (m) L0 impact tested grades have been reintroduced.
- (n) ‘None’ impact designation has been removed.
- (o) Option for zinc coating classification referring to AS/NZS 2312.2, Clause 9.1.

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.

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