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AS/NZS 3678:2016 Structural steel - Hot-rolled plates, floorplates and slabs

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Abbreviation

AS/NZS 3678:2016

Amendment

Amendment 1 - incorporated

Valid from

05/04/2016

Information provider

Standards New Zealand

Author

Standards New Zealand, Standards Australia

Information type

New Zealand Standard

Format

PDF

Cited By

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Cites

[This resource cites 19 documents \(show Citations\)](#)

Description

This Standard specifies requirements for the production and supply of hot-rolled structural steel plates and floorplates for mechanically-tested steels, analysis-only steels, and mechanically-tested weathering steels.

This Standard also specifies requirements for the production and supply of wide slabs as fully-killed analysis-only steel.

Scope

It is intended for general structural and engineering applications.

All grades specified in this Standard are suitable for welding in accordance with AS/NZS 1554, Parts 1, 2, 5 and 7; and fastening as specified in AS 3990, AS 4100, AS/NZS 4600, AS 5100.6 and NZS 3404.1.

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- [B1/VM1 \(First Edition, Amendment 17\)](#)

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- [B1/VM1 \(First Edition, Amendment 18\)](#)

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- [AS/NZS 2327:2017](#)

AS/NZS 3678:2016 is cited by AS/NZS 2327:2017 Composite structures - Composite steel-concrete construction in buildings

- [AS/NZS 5131:2016](#)

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This document CITES:

New Zealand Standards

- [AS/NZS 1050.1:1996](#)

AS/NZS 3678:2016 cites AS/NZS 1050.1:1996 (R2016) Methods for the analysis of iron and steel - Part 1: Sampling iron and steel for chemical analysis

- [AS/NZS 1365:1996](#)

AS/NZS 3678:2016 cites AS/NZS 1365:1996 (R2016) Tolerances for flat-rolled steel products

- [AS/NZS 1554.1:2014](#)

AS/NZS 3678:2016 cites AS/NZS 1554.1:2014 Structural steel welding - Part 1: Welding of steel structures

- [AS/NZS 1554.2:2003](#)

AS/NZS 3678:2016 cites AS/NZS 1554.2:2003 Structural steel welding - Stud welding (steel studs to steel)

- [AS/NZS 1554.5:2014](#)

AS/NZS 3678:2016 cites AS/NZS 1554.5:2014 Structural steel welding - Welding of steel structures subject to high levels of fatigue loading

- [AS/NZS 1554.7:2014](#)

AS/NZS 3678:2016 cites AS/NZS 1554.7:2014 Structural steel welding - Part 7: Welding of sheet steel structures

- [AS/NZS 4600:2005](#)

AS/NZS 3678:2016 cites AS/NZS 4600:2005 Cold-formed steel structures

- [NZS 3404.1:2009](#)

AS/NZS 3678:2016 cites NZS 3404.1:2009 Steel structures Standard - Part 1: Materials, fabrication, and construction

Australian Standards

- [AS 1391-2007 \(Reconfirmed in 2017\)](#)

AS/NZS 3678:2016 cites AS 1391-2007 (R2017) Metallic materials - Tensile testing at ambient temperature

- [AS 1544.2-2003 \(R2017\)](#)

AS/NZS 3678:2016 cites AS 1544.2-2003 (R2017) Methods for impact tests on materials - Charpy V-notch

- [AS 1733-1976](#)

AS/NZS 3678:2016 cites AS 1733-1976 (R2018) Methods for the determination of grain size in metals

- [AS 2706-2003](#)

AS/NZS 3678:2016 cites AS 2706-2003 (R2018) Numerical values - Rounding and interpretation of limiting values

- [AS 3990-1993 \(R2016\)](#)

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- [AS 4100:1998](#)

AS/NZS 3678:2016 cites AS 4100:1998 (R2016) Steel structures

- [AS 5100.6-2004](#)

AS/NZS 3678:2016 cites AS 5100.6-2004 Bridge design. Steel and composite construction

Other

- [ISO 14284:1996](#)

AS/NZS 3678:2016 cites ISO 14284:1996 (2018) Steel and iron -- Sampling and preparation of samples for the determination of chemical composition

- [ISO 2566-1:1984](#)

AS/NZS 3678:2016 cites ISO 2566-1:1984 Carbon and low alloy steels

- [ISO 404:2013](#)

AS/NZS 3678:2016 cites ISO 404:2013 Steel and steel products -- General technical delivery requirements

- [SAE J403:2014](#)

AS/NZS 3678:2016 cites SAE J403:2014 Chemical Compositions of SAE Carbon Steels

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