



Hot rolled strip

AS/NZS 1594 – HA300

General description

- Hot-rolled structural steel with a minimum yield strength of 300 MPa, good ductility and good weldability

Typical uses

- Structural members
- Roll forming applications
- Brake press forming applications
- General fabrications

Features & benefits

- Excellent weldability
- Good formability
- Excellent for galvanizing applications

Warnings

- This material should be used in conjunction with the appropriate design and welding standards.
- An untrimmed edge (Mill Edge) may contain minor surface discontinuities as a result of the rolling process. It is recommended that customers satisfy themselves that the edge is suitable for the application.

Australian and International Standards

AS/NZS 1594: 2002

AS/NZS 1365: 1996

ISO9001: 2015 Quality System certified

Supply conditions

	Normal	Optional
Thickness Range	1.6– 12.7 mm *	-
Width Range	750 – 1550 mm *	-
Surface Finish	Hot Rolled	Pickled & Oiled (1.6 to 6mm only)
Edge Condition	Untrimmed (Mill Edge)	Trimmed
Tolerance	AS/NZS 1365: 1996	-
Certification	BlueScope	-

* Not all thickness & width combinations are available
Optional supply conditions are subject to dimensional restrictions

Chemical composition

Element	Guaranteed maximum %
Carbon	0.20
Silicon	0.03*
Manganese	1.60
Phosphorus	0.040
Sulphur	0.030
Aluminium	0.10
CEQ (IIW)	0.39

All values shown refer to the relevant Australian Standard unless otherwise stated

$$CEQ(IIW) = C + \frac{Mn}{6} + \frac{(Cr+Mo+V)}{5} + \frac{(Cu+Ni)}{15}$$

* Value refers to the BlueScope internal standard, whereas the AS/NZS 1594 guaranteed maximum is 0.35%

Mechanical properties

Tensile Properties (Longitudinal)		Guaranteed value
Yield Strength (MPa)	Guaranteed Minimum	300
Tensile Strength (MPa)	Guaranteed Minimum	400
Elongation 80 mm (%)	Guaranteed Minimum	18% (<=3mm), 22% (>3mm)
180° Bend (transverse)	Guaranteed Minimum	1t <=3mm, 2t >3mm

t = thickness of test piece

Weldability Group

WTIA Group
3

Refer to WTIA Technical Note 1 or AS/NZS 1554.1:2014

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