



TRU-SPEC® coil plate steel AS/NZS 1594 – HA1

General description

- Hot-rolled commercial forming product suitable for simple forming welding and bending operations

Typical uses

- Light structural members (e.g. purlins)
- Rollforming applications
- Brake press forming applications
- General fabrication
- Galvanising applications

Features & benefits

- Excellent weldability
- Good formability
- Excellent for galvanising 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 (R2016)
- AS/NZS 1365:1996 (R2016)
- ISO 9001:2015 Quality System Certified

Supply conditions

	Normal	Optional
Thickness Range	3.0 – 12.7 mm *	-
Width Range	750 – 1550 mm *	-
Length Range	1200 – 9000 mm *	-
Surface Finish	Hot Rolled	Skinpassed
Edge Condition	Untrimmed (Mill Edge)	Trimmed
Tolerance	AS/NZS 1365:1996 (R2016)	-
Flatness	Class A	-
Certification	BlueScope – Analysis only	-

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

Chemical composition

Element	Guaranteed Maximum %
Carbon	0.13
Silicon	0.030*
Manganese	0.50
Phosphorus	0.040
Sulfur	0.030
Aluminium	0.10
CEQ (IIW)	- (0.095% typical)

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 1594:2002 (R2016) guaranteed maximum is 0.35%

Mechanical properties

Tensile properties not guaranteed.

Tensile Properties (Longitudinal)		Guaranteed Value
Yield Strength (MPa)	Guaranteed Minimum	-
Tensile Strength (MPa)	Guaranteed Minimum	-
Elongation 200 mm (%)	Guaranteed Minimum	-
180° Bend (transverse)	Guaranteed Minimum	1t

t = thickness of test piece

Weldability Group

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

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To ensure you have the most current Data Sheet

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For more information contact Steel Direct



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