



# TRU-SPEC® coil plate steel 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
- Light poles
- Brake press forming applications
- General fabrications
- Trailer and automotive components

## Features & benefits

- Guaranteed minimum strength levels
- 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	910 – 1550 mm *	-
Length Range	1200 – 9000 mm *	-
Surface Finish	Hot Rolled	-
Edge Condition	Untrimmed (Mill Edge)	Trimmed
Tolerance	AS/NZS 1365:1996 (R2016)	-
Certification	BlueScope – Analysis and Mechanical tests	-

\* Not all thickness, width & length 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
Sulfur	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 1594:2002 (R2016) 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% ( $\leq 3$ mm), 22% ( $> 3$ mm)
180° Bend (transverse)	Guaranteed Minimum	1t $\leq 3$ mm, 2t $> 3$ mm

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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