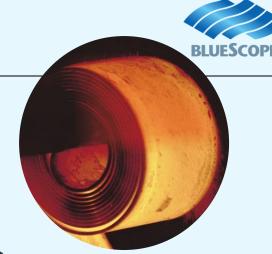
# **Uncoated steel**

# **Datasheet**

April 2019. This literature supersedes all previous issues



# Hot rolled strip AS/NZS 1594 – HA200

#### **General description**

 Hot-rolled structural product with a minimum yield strength of 200 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	1.5– 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	•

<sup>\*</sup> Not all thickness & width combinations are available
Optional supply conditions are subject to dimensional restrictions

### **Chemical composition**

Element	Guaranteed maximum %
Carbon	0.15
Silicon	0.03*
Manganese	0.60
Phosphorus	0.030
Sulphur	0.030
Aluminium	0.10
CEQ (IIW)	0.29

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

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

# **Mechanical properties**

Tensile Properties (Longitudinal)		Guaranteed value
Yield Strength (MPa)	Guaranteed Minimum	200
Tensile Strength (MPa)	Guaranteed Minimum	300
Elongation 80 mm (%)	Guaranteed Minimum	22% (<=3mm), 26% (>3mm)
180° Bend (transverse)	Guaranteed Minimum	0t (<=3mm), 1t (>3mm)

t = thickness of test piece

# **Weldability Group**

WTIA Group	
1	

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

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