

# Hot rolled strip

## AS/NZS 1594 – HA250

### General description

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Hot rolled structural product with a minimum yield strength of 250 MPa, good ductility and excellent weldability.

### Typical uses

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Structural members  
Roll forming applications  
Press brake forming applications  
General fabrications

### Features & benefits

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Excellent weldability  
Good formability  
Excellent for galvanising applications

### Warnings

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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.

Free from coil break for 3 months after production.

Material should be stored under cover to avoid issues with storage related corrosion.

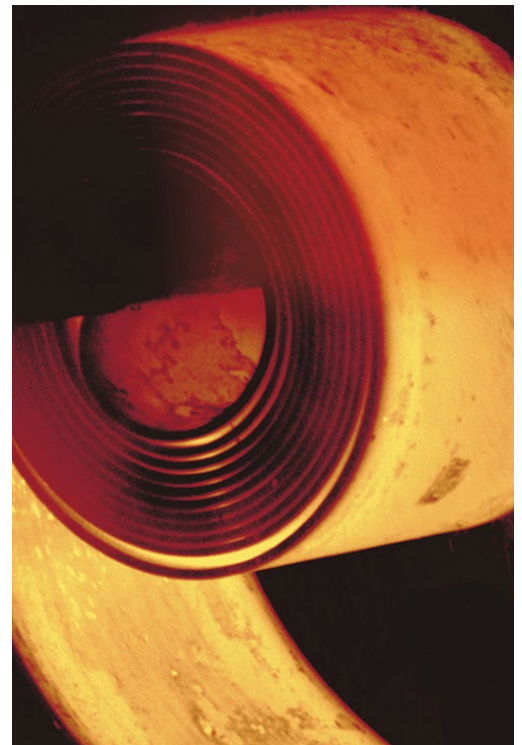
### Australian and International Standards

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AS/NZS 1594:2002 (R2016)

AS/NZS 1365:1996 (R2016)

ISO 9001:2015 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 (R2016)	-
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	1.20
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 guaranteed maximum is 0.35%

## Mechanical properties

Tensile Properties (Longitudinal)		Guaranteed Value
Yield Strength (MPa)	Guaranteed Minimum	250
Tensile Strength (MPa)	Guaranteed Minimum	350
Elongation 80 mm (%)	Guaranteed Minimum	20% (<=3mm), 24% (>3mm)
180° Bend (transverse)	Guaranteed Minimum	1t <=5mm, 2t >5mm

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

## Fire hazard properties

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Test & Evaluation Method	Result
Combustibility test for materials (AS 1530.1-1994 (R2016))	Not deemed combustible (steel substrate) #

# These test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.

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