

Hot rolled strip

AS/NZS 1594 – HA1006

General description

Hot rolled carbon steel with a guaranteed chemical composition, good ductility and excellent weldability.

Typical uses

General fabrications/manufactured parts

Roll forming applications

Press brake forming 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.

Free from coil break for 3 months after production.

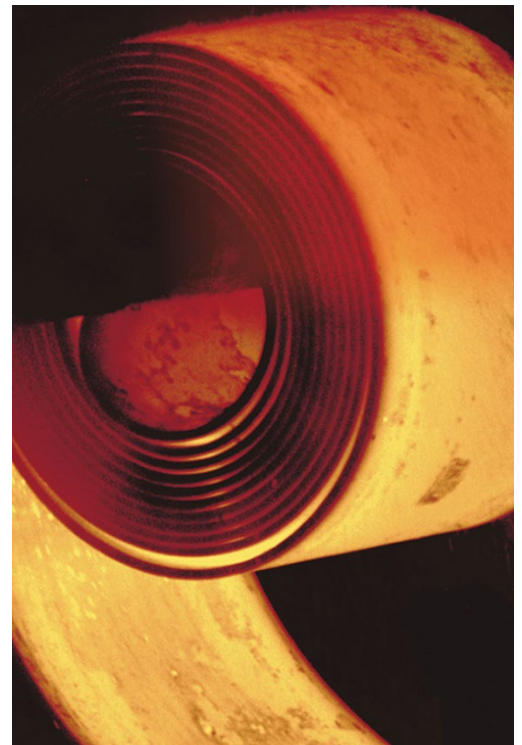
Material should be stored under cover to avoid issues with storage related corrosion.

Australian and International Standards

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 -analysis only	-

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

Chemical composition

Element	Guaranteed Maximum %
Carbon	0.08
Silicon	0.03
Manganese	0.40
Phosphorus	0.040
Sulfur	0.030
Aluminium	0.10
CEQ (IIW)	0.29 (0.095% typical)

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

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

Mechanical properties

No guaranteed mechanical properties. Mechanical properties are similar to HA1, HA3 and HA200.

Weldability Group

WTIA Group

1

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

Fire hazard properties

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.

steel.com.au

To ensure you have the
most current information

1800 024 402

steeldirect@bluescopesteel.com

For more information contact Steel Direct



The information contained in this datasheet is provided by way of general information about this product only, and has not been prepared with your specific needs in mind. We recommend that you seek BlueScope's advice as to the suitability of this product for the purpose(s) for which you propose to use it. To contact BlueScope for advice about your proposed use of this product, please contact Steel Direct. BlueScope and the BlueScope brand mark are registered trade marks of BlueScope Steel Limited.
© 2023 BlueScope Steel Limited ABN 16 000 011 058. All rights reserved.