



Hot rolled strip AS/NZS 1594 – HA1016

General description

- Hot-rolled carbon steel with a guaranteed chemical composition and good weldability

Typical uses

- Hot water system cylinders
- 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 | 1.6 – 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 | - |

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

Chemical composition

| Element | Guaranteed range or maximum % |
|------------|-------------------------------|
| Carbon | 0.12 – 0.18 |
| Silicon | 0.03 |
| Manganese | 0.60 – 0.90 |
| Phosphorus | 0.040 |
| Sulphur | 0.030 |
| Aluminium | 0.10 |
| CEQ (IIW) | 0.39 |

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

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

Mechanical properties

No guaranteed mechanical properties.

Weldability Group

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

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