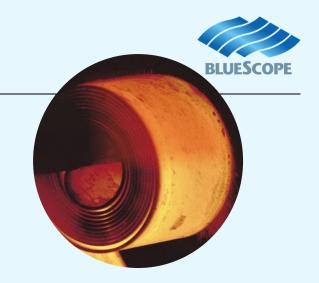
# **Uncoated steel**

# **Datasheet**

April 2019. This literature supersedes all previous issues



# Hot rolled strip AS/NZS 1594 – HA1

# **General description**

 Hot-rolled commercial forming product suitable for simple forming welding and bending operations

# Typical uses

- Shelving
- Brackets
- Furniture

#### 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.

# **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 of |          |
| 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     | 0.13                  |
| Silicon    | 0.03                  |
| Manganese  | 0.50                  |
| Phosphorus | 0.040                 |
| Sulphur    | 0.030                 |
| Aluminium  | 0.10                  |
| CEQ (IIW)  | -<br>(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**

Tensile properties not guaranteed.

| Tensile Properties (Longitudinal) |                    | Guaranteed Value |
|-----------------------------------|--------------------|------------------|
| Yield Strength (MPa)              | Guaranteed Minimum | -                |
| Tensile Strength (MPa)            | Guaranteed Minimum | •                |
| Elongation 200 mm (%)             | Guaranteed Minimum | -                |
| 180° Bend (transverse)            | Guaranteed Minimum | 1t               |

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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