

BRIGHTFORM® steel

General description

Pickled, skin-passed, low carbon steel with a good surface, suitable for bending and moderate drawing and pressing.

Typical uses

Tubing, shelving, simple pressings, hidden appliance panels and distributor stock.

Features & benefits

- Excellent weldability
- Excellent 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 1365:1996 (R2016)

ISO 9001:2015 Quality System Certified



Supply conditions

	Normal	Optional
Thickness Range	1.6mm, 2mm, 2.5mm, 3mm	-
Width Range	910, 1210, 1510mm	-
Surface Finish	Pickled & oiled, skin-passed	-
Edge Condition	Untrimmed (Mill Edge)	-
Tolerance	AS/NZS 1365:1996 (R2016)	-

Optional supply conditions are subject to dimensional restrictions

Note: It is recommended that customers use product promptly to avoid the possibility of rusting during storage. Oiling improves corrosion resistance, but oiled product should be used within three months.

Chemical composition

Element	Guaranteed Maximum %
Carbon	0.13
Silicon	0.03
Manganese	0.50
Phosphorus	0.040
Sulfur	0.030
Aluminium	0.10

Mechanical properties

Tensile properties not guaranteed.

Tensile Properties (Transverse)		Guaranteed Value
Yield Strength (MPa)	Guaranteed Minimum	-
Tensile Strength (MPa)	Guaranteed Minimum	-
Elongation 80 mm (%)	Guaranteed Minimum	32
180° Bend (transverse)	Guaranteed Minimum	0t

t = thickness of test piece

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. BRIGHTFORM®, BlueScope and the BlueScope brand mark are registered trade marks of BlueScope Steel Limited. © 2022 BlueScope Steel Limited ABN 16 000 011 058. All rights reserved.