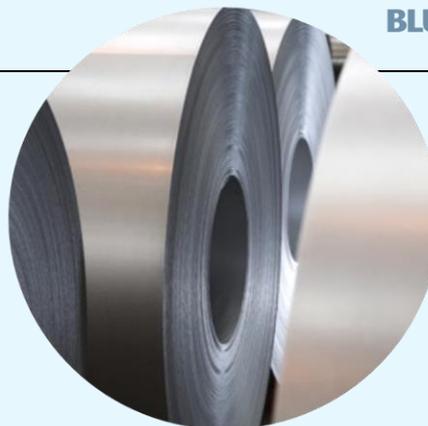


Uncoated Steel – Cold Rolled

Data Sheet



April 2019. This literature supersedes all previous issues



CA2S-E steel

General Description

Cold-rolled, skin-passed commercial drawing steel guaranteed for moderate forming and pressing with a surface suitable for exposed applications

Typical Uses

Office furniture, shelving

Australian and International Standards

AS/NZS 1595:1998

AS/NZS 1365:1996

ISO 9001: 2015 Quality System Certified

Guaranteed properties of steel base

Mechanical properties	Guaranteed value
Yield Strength, MPa (transverse tensile)	260 max
Elongation on 80mm, ($\geq 0.40\text{mm} < 0.60\text{mm}$) %	30 min
Elongation on 80mm, ($\geq 0.60\text{mm} < 0.80\text{mm}$) %	32 min
Elongation on 80mm, ($\geq 0.80\text{mm}$) %	33 min
Hardness HRB	55 max
Hardness HR30T	55 max
180° Transverse Bend (L axis)	0 t

Chemical composition of steel base

Chemical properties	Guaranteed maximum %
Carbon - C	0.10
Manganese - Mn	0.45
Phosphorus - P	0.030
Sulphur - S	0.03

Dimensional capabilities

Thickness range (mm)	Maximum width (mm)
0.50 – 3.20	1550

Notes: Not every combination of thickness and width may be available. Supply conditions may be subject to dimensional restrictions and are subject to BlueScope Sales and Marketing confirmation. Slitting and shearing available on request from BlueScope Sales Offices. For requirements outside the standard product range please contact your local Sales Office.

Supply conditions

Attribute	Normal	Optional
Surface Condition	Matt	Lustre
Surface Treatment	Oiled	Not Oiled
Branding	Not Branded	-
Tolerance - Dimensions	Class A	Class B
Tolerance - Flatness	Class A	Class B
Edge Condition	Trimmed Edge	Mill Edge

Important Notes: Optional supply conditions may be subject to dimensional restrictions

Fabricating performance

Method	Rating
Bending	5
Drawing	3
Pressing	3
Roll Forming	5
Welding (design must allow for some strength reduction near welds)	5
Painting Pre-treatment	5

Where: 1 = Limited to 5 = Excellent or NR = Not Recommended

The ratings in this table are general indicators only, given as a guide to fabricating performance.

Important information

Material should be used promptly to avoid the possibility of a storage related corrosion. Oiling improves corrosion resistance, but oiled product should be used within three months.

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To ensure you have the most current Data Sheet

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For more information contact Steel Direct



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