



Data Sheet

NZCC-1P

Cold-Rolled

Revision: 31/1/2012

CR

GENERAL DESCRIPTION

Single pass cold rolled steel suitable for structural shelving.

APPLICATIONS

- Shelving systems

STANDARDS

- AS/NZS 1365:1996
- NZ Steel Standard

CHEMICAL COMPOSITION	TYPICAL (wt %)	EXPECTED MAXIMUM (wt %) ^[1]
Carbon (C)	0.050	0.070
Silicon (Si)	0.003	0.030
Manganese (Mn)	0.200	0.250
Sulphur (S)	0.020	0.030
Phosphorus (P)	0.015	0.030

MECHANICAL PROPERTIES	TYPICAL	EXPECTED
0.2% Proof Stress, MPa	505	430 – 530
Tensile strength, MPa	510	440 – 540
Elongation, % on L ₀ = 50mm	11	5% Min
HRB Hardness	86	75 Min

Material should be used promptly (within 6 months) to avoid the possibility of storage related corrosion and degradation.

Mechanical properties are given for ambient/room temperatures. Please consult technical representatives at New Zealand Steel for high/low temperature use.

FABRICATING PERFORMANCE 1 = Limited 5 = Excellent	
METHOD	RATING
Drawing	–
Pressing	2
Bending	2
Roll-forming	1
Welding	5

DIMENSION CAPABILITIES	
THICKNESS (mm)	WIDTH (mm)
1.6 – 1.8	884 – 1220
1.8 – 2.7	884 – 1220
2.7 – 3.17	900 – 1220

Other dimensional combinations may be available by enquiry.

SURFACE FINISHES
Matt finish

AVAILABLE FORMS
Coil only

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