



HR

Data Sheet

HA 200

Hot-Rolled – Formable

Revision: 31/1/2012

GENERAL DESCRIPTION

Hot Rolled HA200 steel is a structural steel with a guaranteed minimum yield strength of 200MPa with good ductility.

APPLICATIONS

- Light structural members
- Shelving
- Racking

STANDARDS

- AS/NZS 1594:2002
- AS/NZS 1365:1996

CHEMICAL COMPOSITION	TYPICAL (wt %)	EXPECTED MAXIMUM (wt %) ^[1]
Carbon (C)	0.05	0.15
Silicon (Si)	0.007	0.030
Manganese (Mn)	0.20	0.60
Sulphur (S)	0.017	0.030
Phosphorus (P)	0.011	0.030

^[1] Values shown refer to relevant Australian/ New Zealand standard unless tighter internal limits are applied.

MECHANICAL PROPERTIES	2.00 – 2.50mm	2.51 – 13.00mm	2.00 – 2.50mm	2.51 – 13.00mm
	TYPICAL		EXPECTED MINIMUM	
Yield strength, MPa	250	260	200	200
Tensile strength, MPa	360	370	300	300
Elongation, % on L ₀ = 200mm	32	31	17	19

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

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

DIMENSION CAPABILITIES	
THICKNESS (mm)	WIDTH (mm)
2.00 - 2.20	730 - 1290
2.21 - 2.49	730 - 1378
2.50 - 13.00	730 - 1540

These dimensions are a reflection of technical capability to produce. Supply conditions may be subject to dimensional restrictions and is subject to New Zealand Steel Marketing confirmation. Other dimensional combinations may be available by enquiry

FABRICATING PERFORMANCE 1 = Limited 5 = Excellent	
METHOD	RATING
Drawing	2
Pressing	3
Bending	4
Roll-forming	4
Welding	5

AVAILABLE FORMS	
DRY	PICKLED & OILED
Mill edge coil	Coil
Coil-Plate	Coil-Plate

STANDARD PLATE SIZES
1220 x 2400
1520 x 3600

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