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Data Sheet

TUBE 300

Hot-Rolled

Revision: 31/1/2012

GENERAL DESCRIPTION

Hot-rolled strip with a nominal minimum yield strength of 250MPa for the production of tube, to meet a minimum yield strength of 300MPa.

APPLICATIONS

- Tube

STANDARDS

- NZ Steel Standard
- AS/NZS 1365:1996

CHEMICAL COMPOSITION	TYPICAL (wt %)	EXPECTED MAXIMUM (wt %)[1]
Carbon (C)	0.05	0.080
Silicon (Si)	0.007	0.030
Manganese (Mn)	0.20	0.250
Sulphur (S)	0.018	0.030
Phosphorus (P)	0.014	0.030

MECHANICAL PROPERTIES	TYPICAL	EXPECTED MINIMUM
Yield strength, MPa	285	250
Tensile strength, MPa	380	350
Elongation, % on L_o= 200mm	30	16

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.

DIMENSION CAPABILITIES	
THICKNESS (mm)	WIDTH (mm)
2.0 – 2.5	730 – 1290

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

FABRICATING PERFORMANCE 1 = Limited 5 = Excellent	
METHOD	RATING
Bending	4
Roll-forming	4
Welding	5
Galvanising	5

AVAILABLE FORMS	
DRY	PICKLED & OILED
Mill edge	Mill edge Trim edge

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