



Data Sheet

HW350**Hot-Rolled – Structural Weather Resistant**

Revision: 6/12/2021

GENERAL DESCRIPTION

Hot Rolled HW 350 steel is a structural steel with a guaranteed minimum yield strength of 340MPa, with improved resistance to atmospheric corrosion.

APPLICATIONS

- Galvanizing applications
- General fabrication

STANDARDS

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

CHEMICAL COMPOSITION	TYPICAL (wt %)	EXPECTED MAXIMUM (wt %) ^[1]
Carbon (C)	0.09	0.15
Silicon (Si)	0.45	0.75
Manganese (Mn)	0.80	1.60
Sulphur (S)	0.010	0.030
Phosphorus (P)	0.090	0.160
Copper	0.25	0.50
Chromium	0.70	1.05
Nickel	0.20	0.55

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

MECHANICAL PROPERTIES	TYPICAL	EXPECTED MINIMUM
Yield Strength, MPa	420	340
Tensile Strength, MPa	550	450
Elongation, % on L ₀ =200mm	21	15

AVAILABLE FORMS	
DRY	PICKLED & OILED
Mill edge coil	Not available
Coil plate	

DIMENSION CAPABILITIES	
THICKNESS (mm)	WIDTH (mm)
3.0 – 6.0*	1250*

*Other dimensional combinations may be available by enquiry.

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

STANDARD PLATE SIZES	
WIDTH (mm)	LENGTH (mm)
1250	2500

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