



Mild Steel C-Type Channel

Property	Specification
Material	Mild Steel (MS)
Standard Grade	IS 2062 E250 / ASTM A36 / EN S235JR
Section Type	C Channel (C Section)
Manufacturing	Hot Rolled / Cold Formed
Yield Strength	≥ 250 MPa
Tensile Strength	410–540 MPa
Density	7.85 g/cm ³
Surface Finish	Mill Finish, Painted, Galvanized

Length	3 m, 6 m, 12 m (custom lengths available)
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Common Dimensions

Web Height (H)	Flange Width (B)	Thickness (T)	Weight (Approx.)
75 mm	40 mm	5 mm	7.1 kg/m
100 mm	50 mm	5 mm	9.6 kg/m
125 mm	65 mm	6 mm	13.1 kg/m
150 mm	75 mm	6 mm	16.8 kg/m
200 mm	75 mm	7 mm	22.3 kg/m
250 mm	82 mm	9 mm	34.2 kg/m

Mechanical Properties

- Excellent weldability
- Good machinability
- High load-bearing capability
- Easy drilling and fabrication
- Suitable for structural and support applications

Applications

- Building structures
- Industrial sheds
- Solar panel mounting structures
- Conveyor systems
- Equipment frames
- Cable trays
- Truck and trailer bodies
- Mezzanine floors and platforms