

MILD STEEL CHANNEL

Introducing **Mild Steel Channel**, a versatile and reliable product that offers exceptional strength and durability for your construction and manufacturing needs. **Crafted from high-quality low carbon steel**, our mild steel channels, also known as C-channels or U-channels, are designed to deliver outstanding performance in a wide range of applications.

We provide mild steel channels in **standardized sizes** and profiles, **streamlining the integration process into your designs** and construction plans. With common profiles such as C-shaped and U-shaped channels, our products **offer compatibility with existing structural components**, saving you time and effort during installation.

Product Name: Mild Steel Channel

Category: Structural Steel

Shape: C - Shaped / U - Shaped

Surface: Mill Finish

Colour: Natural Metallic Gray

Minimum Order Quantity: 01 Metric Tonne



HSN CODE: 7216

Payment Terms: NEFT / RTGS / IMPS

Delivery Time: Usually 1-2 Business Days for Intra State, Exact duration depends on specific location

Main Domestic Market: Eastern Region



Make: Local Rolled

IS 2062: 2011 E 250 A

Length: 6 mtr & 12 mtr

CHEMICAL COMPOSITION							
Grade	Quality	Ladle Ananlysis, Wt % Max					Carbon Equivalent Max
		C	Mn	S	P	Si	
E 250	A	0.22	0.96	0.042	0.037	0.24	0.36

MECHANICAL PROPERTIES						
Grade	Quality	Tensile Strength min MPa	Yield Stress min. MPa			% Elongation A, at Gauge (min)
			<20 mm	20-40 mm	>40 mm	
E 250	A	337	250	240	230	23

Dispatch Locations:

- Kolkata
- Durgapur, WB

Sizes Available:

75 x 40 mm to
400 x 100 mm

Country of Origin:

India



Weight Chart

Local Size (in mm)	Weight per Ft in Kg	Weight per Meter in Kg	Weight per 6 Meter Pcs in Kg	Approx Pcs in 1 Metric Ton (Single Piece 6 Meter)	Approx Running Meter Length in 1 Metric Ton
75 x 40 x 4.8	2.18	7.140	42.840	23	138
100 x 50 x 5	2.91	9.560	57.360	17	102
125 x 65 x 5.3	3.99	13.100	78.600	13	78
150 x 75 x 5.7	5.120	16.800	100.800	10	60
175 x 75 x 6	5.970	19.600	117.600	9	54
200 x 75 x 6.2	6.800	22.300	133.800	7	42
250 x 82 x 9	10.420	34.200	205.200	5	30
300 x 90 x 7.8	11.060	36.300	217.800	5	30
350 x 100 x 8.3	11.090	36.400	218.400	5	30
400 x 100 x 8.8	15.270	50.100	300.600	3	18

Gate Channel
13"
14"
15"
16"

Make: SAIL/RINL/JINDAL

IS 2062: 2011

Length: 12 mtr

CHEMICAL COMPOSITION							
Grade	Quality	Ladle Ananlysis, Wt % Max					Carbon Equivalent Max
		C	Mn	S	P	Si	
E 250	BR	0.22	1.50	0.045	0.045	0.40	0.41
E 350	BR	0.20	1.55	0.045	0.045	0.45	0.47

MECHANICAL PROPERTIES						
Grade	Quality	Tensile Strength min MPa	Yield Stress min. MPa			% Elongation A, at Gauge (min)
			<20 mm	20-40 mm	>40 mm	
E 250	BR	410	250	240	230	23
E 350	BR	490	350	330	320	22

Country of Origin:

India

Dispatch Locations:

Kolkata

Sizes Available:

SAIL: 75 x 40 to 400 x 100

RINL: 75 x 40 to 200 x 75

JINDAL: 100 x 50 to 400 x 100

SAIL Weight Chart

Size (in mm)	Weight per Ft in Kg	Weight per Meter in Kg	Weight per 6 Meter Pcs in Kg	Approx Pcs in 1 Metric Ton (Single Piece 6 Meter)	Approx Running Meter Length in 1 Metric Ton
75 x 40 x 4.8	2.180	7.140	42.840	23	138
100 x 50 x 5.0	2.910	9.560	57.360	17	102
125 x 65 x 5.3	3.990	13.100	78.600	13	78
150 x 75 x 5.7	5.120	16.800	100.800	10	60
150 x 76 x 6.5	5.395	17.700	106.200	9	54
200 x 75 x 6.2	6.800	22.300	133.800	7	42
200 x 76 x 7.5	7.408	24.300	145.800	7	42
250 x 82 x 9.0	10.420	34.200	205.200	5	30
300 x 90 x 7.8	11.060	36.300	217.800	5	30
400 x 100 x 8.8	15.270	50.100	300.600	3	18

TOLERANCE

As per IS 808: 2021 & IS 3954: 1991	
Sectional Tolerance	
Thickness	Tolerance
Upto 3 mm	±5%
> 3 mm	±4%

RINL Weight Chart

Size (in mm)	Weight per Ft in Kg	Weight per Meter in Kg	Weight per 6 Meter Pcs in Kg	Approx Pcs in 1 Metric Ton (Single Piece 6 Meter)	Approx Running Meter Length in 1 Metric Ton
75 x 40 x 4.8	2.180	7.140	42.840	23	138
100 x 50 x 5.0	2.910	9.560	57.360	17	102
125 x 65 x 5.3	3.990	13.100	78.600	13	78
150 x 75 x 5.7	5.120	16.800	100.800	10	60
200 x 75 x 6.2	6.800	22.300	133.800	7	42

TOLERANCE

As per IS 1852:1985 & IS 3954: 1991		
Dimensional Tolerance		
Depth	Tolerance	Width of Flange
<200 mm	±2.5 mm	±2 mm
>200 to 400 mm	±3 mm	±2 mm

JINDAL Weight Chart

Size (in mm)	Weight per Ft in Kg	Weight per Meter in Kg	Weight per 6 Meter Pcs in Kg	Approx Pcs in 1 Metric Ton (Single Piece 6 Meter)	Approx Running Meter Length in 1 Metric Ton
100 x 50 x 5.0	2.910	9.560	57.360	17	102
100 x 50 x 6.0	3.231	10.600	63.600	16	96
125 x 65 x 5.3	3.990	13.100	78.600	13	78
125 x 65 x 6.0	4.176	13.700	82.200	12	72
150 x 75 x 5.7	5.120	16.800	100.800	10	60
150 x 75 x 6.5	5.395	17.700	106.200	9	54
175 x 75 x 6.0	5.974	19.600	117.600	9	54
200 x 75 x 6.2	6.800	22.300	133.800	7	42
200 x 100 x 6.0	6.800	22.300	133.80	7	42
250 x 80 x 7.2	10.420	34.200	205.200	5	30
250 x 82 x 9.0	10.420	34.200	205.200	5	30
300 x 90 x 7.8	11.060	36.300	217.800	5	30
300 x 90 x 10.0	12.588	41.300	247.800	4	24
400 x 100 x 8.8	15.270	50.100	300.600	3	18



Applications:

Used in a range of industrial applications, including:

- **Truck and trailer frame supports**
- Equipment and machinery frames and supports
- **Building frames and other support components.**
- Bridges
- **Freight cars**
- Poles
- **Steel plants**
- Refineries
- **Airports**
- Industrial Sheds
- **Railway Mast**
- Scaffolding

