

MILD STEEL JOIST

Introducing the revolutionary **Mild Steel Joist/Beam**, the **ultimate solution** for all your **structural support needs**. Crafted with precision and engineered to perfection, our Mild Steel Joist combines **strength, durability, and versatility** like never before.

Designed to withstand heavy loads and provide exceptional **structural integrity**, Mild Steel Joist is a tempting choice for architects, engineers, and construction professionals seeking reliable and long-lasting solutions.

Elevate your construction projects & procurement.

Invest in Mild Steel Joist Today

Product Name: Mild Steel Joist/ Beam

Category: Structural Steel

Shape: H - Shaped / I - Shaped

Surface: Mill Finish

Colour: Natural Metallic Gray

Minimum Order Quantity: 01 Metric Tonne

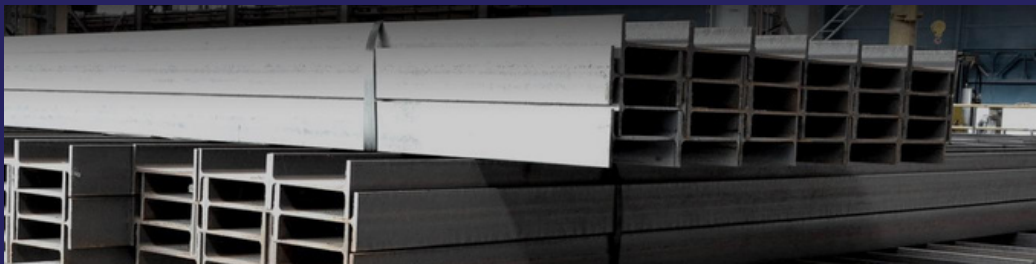


HSN CODE: 7216

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	0.86	0.042	0.037	0.28	0.34

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:

100 x 50 mm to
600 x 210 mm

Country of Origin:

India



Weight Chart

Local Size X Web Thickness (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 4.7	2.728	8.950	53.700	19	138
125 x 70 x 5	4.069	13.350	80.100	12	102
150 x 75 x 5	4.560	14.960	89.760	11	138
175 x 85 x 5.8	5.943	19.500	117.000	9	60
200 x 100 x 5.7	7.742	25.400	152.400	7	78
250 x 125 x 6.9	11.368	37.300	223.800	4	60
300 x 140 x 7.7	14.051	46.100	276.600	4	24
350 x 140 x 8.1	15.971	52.400	314.400	3	42
400 x 140 x 8.9	18.760	61.550	369.300	3	18
450 x 150 x 9.4	22.060	72.380	434.280	2	18
500 x 180 x 10.2	26.480	86.880	521.280	2	12
600 x 210 x 12	36.879	121.000	726.000	1	6



Make: SAIL/RINL

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: 125 x 70 mm to 350 x 140 mm

RINL: 150 x 75 mm

SAIL Weight Chart

Size X Web Thickness (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
125 x 70 x 5.0	4.054	13.300	79.800	13	78
150 x 75 x 5.0	4.560	14.960	89.760	11	138
200 x 100 x 5.7	7.742	25.400	152.400	7	78
250 x 125 x 6.9	11.368	37.300	223.800	4	60
300 x 140 x 7.7	14.051	46.100	276.600	4	24
350 x 140 x 8.1	15.971	52.400	314.400	3	42

RINL Weight Chart

Size X Web Thickness (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
150 x 75 x 5.0	4.560	14.960	89.760	11	138



TOLERANCE

As per IS 808: 2021 & IS 3954: 1991

Sectional Tolerance

Thickness	Tolerance
Upto 3 mm	$\pm 5\%$
> 3 mm	$\pm 4\%$

As per IS 1852:1985 & IS 3954: 1991

Dimensional Tolerance

Depth	Tolerance	Width of Flange
Upto 200 mm	± 2.0 mm	± 2.5 mm
>200 to 400 mm	± 3.0 mm	± 3.0 mm
> 400 mm	± 4.0 mm	± 4.0 mm



Applications:

Used in a range of industrial applications, including:

- **Construction Support Beams for commercial & residential construction**
- Industrial Building Refineries, Steel & Power Plants
- **Warehouses**
- Trailer and Truck bed framing
- **Support beams and columns in bridges**
- Support frames and columns for trolley ways, lifts, hoists & Machine bases
- **Mezzanines and platforms Freight cars**
- Freight cars
- **Scaffoldings**

