

# MILD STEEL RAIL

---

Introducing Premium Mild Steel Rail: The **Perfect Solution** for Your **Lifting and Material Handling Needs!**

At UtsavSteels, we take immense pride in presenting **high-quality** Mild Steel, a product designed to **exceed your expectations** in terms of **strength, durability, and performance.**

Mild Steel Rail is meticulously crafted to deliver outstanding reliability, making it the **ideal choice** for your lifting and material handling operations.

**Product Name:** Mild Steel Rail

**Category:** Heavy Duty Rail

**Shape:** Flat Bottom

**Surface:** Mill Finish

**Colour:** Natural Metallic Gray

**Minimum Order Quantity:** 01 Metric Tonne

**HSN CODE:** 7302



**Payment Terms:** NEFT / RTGS / IMPS

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

**Main Domestic Market:** Pan India



# INDUSTRIAL RAIL: LOCAL ROLLED

IS 2062: 2011

Length: 12 mtr

CHEMICAL COMPOSITION						
Quality	Ladle Ananlysis, Wt % Max					
	C	Mn	S	P	Si	H
A	0.10 to 0.30	0.60 to 1.00	0.040	0.040	0.035 to 0.075	1.2 ppm

MECHANICAL PROPERTIES			
Quality	Tensile Strength min MPa	Yield Stress min. MPa	% Elongation A, at Gauge (min)
A	440	290	15

Country of Origin:

India

Sizes Available:

- 30 LBS
- 60 LBS

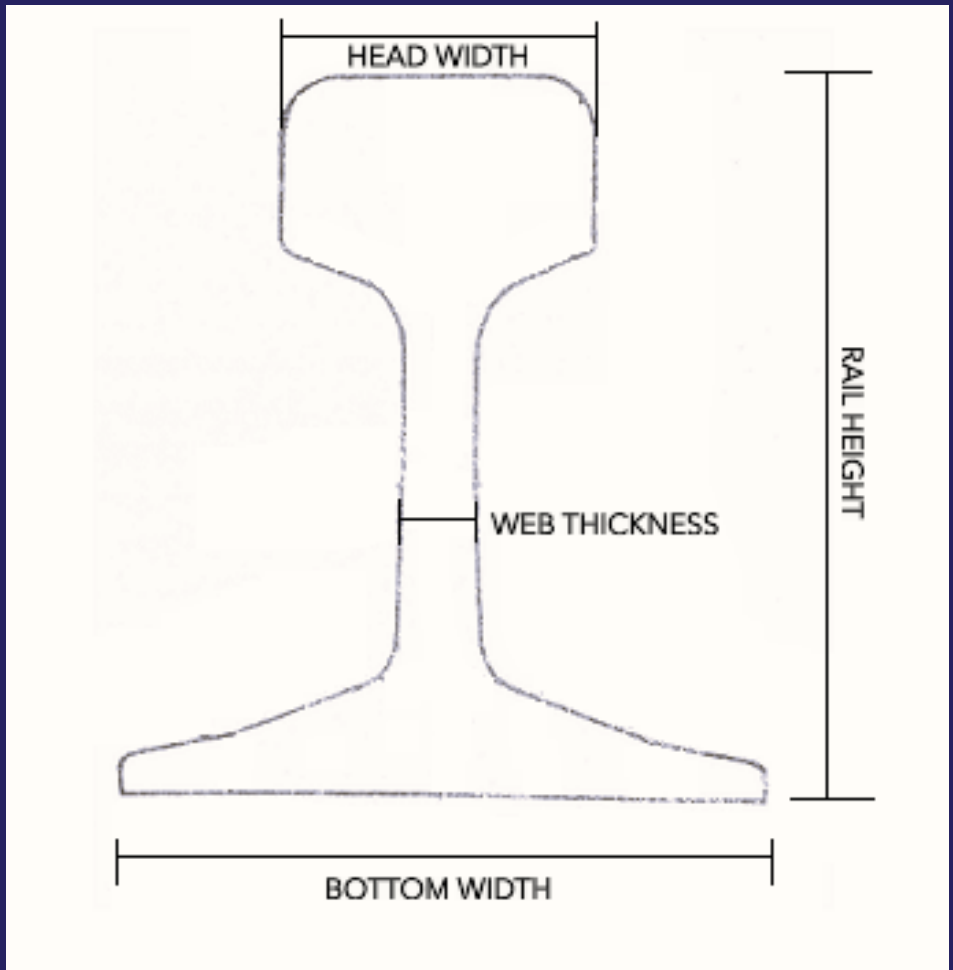
Dispatch Locations:

Kolkata



# Weight Chart

Size	Sectional Weight Kg/m	Dimensions			
		Head Width	Rail Height	Bottom Width	Web Thickness
30 LBS	14.90	42.86	79.37	79.37	8.83
60 LBS	29.80	60.30	108.00	108.00	12.30



# INDUSTRIAL RAIL: SAIL / JINDAL

IRS-T-12: 2009

Length: 12 mtr

CHEMICAL COMPOSITION							
Quality	Ladle Ananlysis, Wt % Max						
	C	Mn	S	P	Al	Si	H
880 & 1080 HH	0.60 to 0.82	0.65 to 1.25	0.030	0.025	0.015	0.13 to 0.60	1.6 ppm

MECHANICAL PROPERTIES				
Quality	Tensile Strength min MPa	Yield Stress min. MPa	% Elongation A, at Gauge (min)	Hardness in BHN (min)
880	880	460	10	260
1080 HH	1080	460	10	340-390

Country of Origin:

India

Sizes Available:

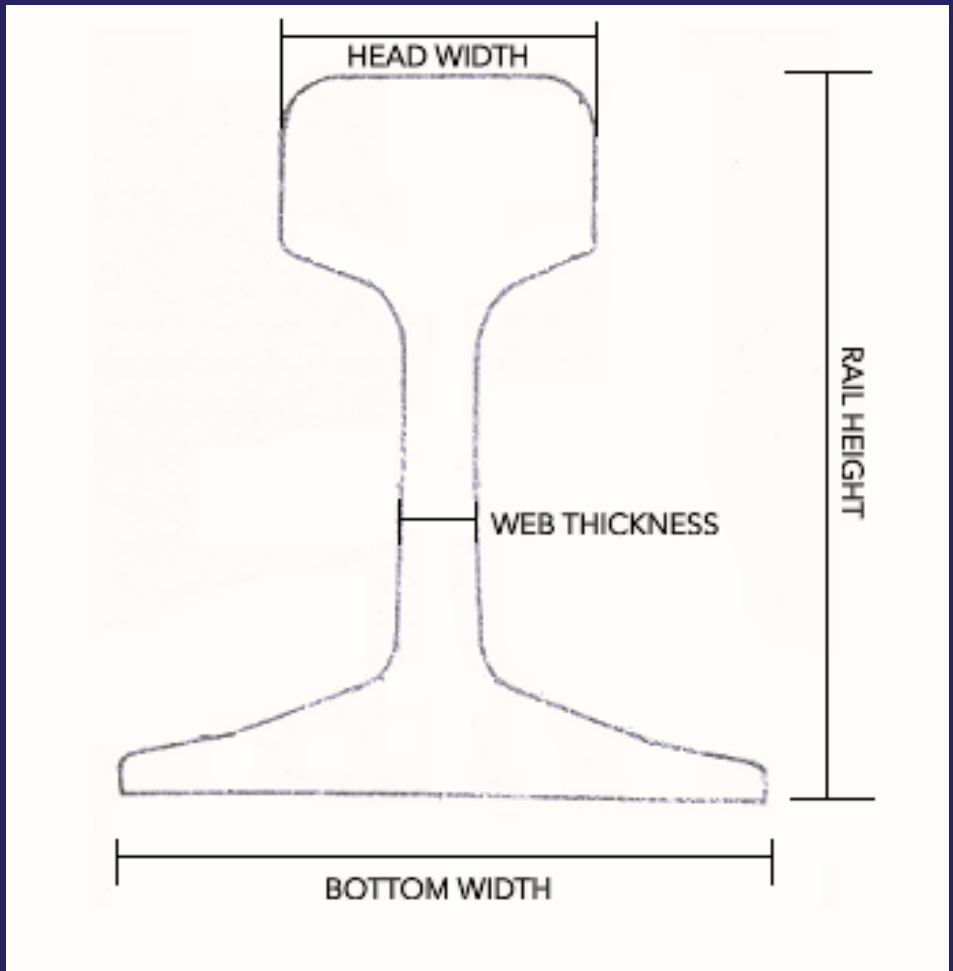
- **SAIL:** R- 52 & R - 60
- **JINDAL:** IRS - 52 & 60 E1

Dispatch Locations:

Kolkata

# Weight Chart

Size	Sectional Weight Kg/m	Dimensions			
		Head Width	Rail Height	Bottom Width	Web Thickness
52 KG	51.89	67.00	156.00	136.00	15.50
60 KG	60.34	73.00	176.00	150.00	16.50



# OLD USED RAIL

## IMPORTED & INDIAN

Length: 5-6 mtr & 10-12 mtr

### Sizes Available:

- 90 LBS
- 105 LBS
- 120 LBS

### Dispatch Locations:

Kolkata



# CRANE RAIL: SAIL / JINDAL

IS 3443: 1980

Length: 12 mtr

CHEMICAL COMPOSITION						
Quality	Ladle Ananlysis, Wt % Max					
	C	Mn	S	P	Si	H
CR	0.50 to 0.75	1.00 to 1.30	0.040	0.040	0.10 to 0.50	3 ppm

MECHANICAL PROPERTIES			
Quality	Tensile Strength min MPa	% Elongation A, at Gauge (min)	Hardness in BHN (min)
SAIL CR	850	8	250
JINDAL CR	750	14	220

Country of Origin:      Sizes Available:

India

Dispatch Locations:

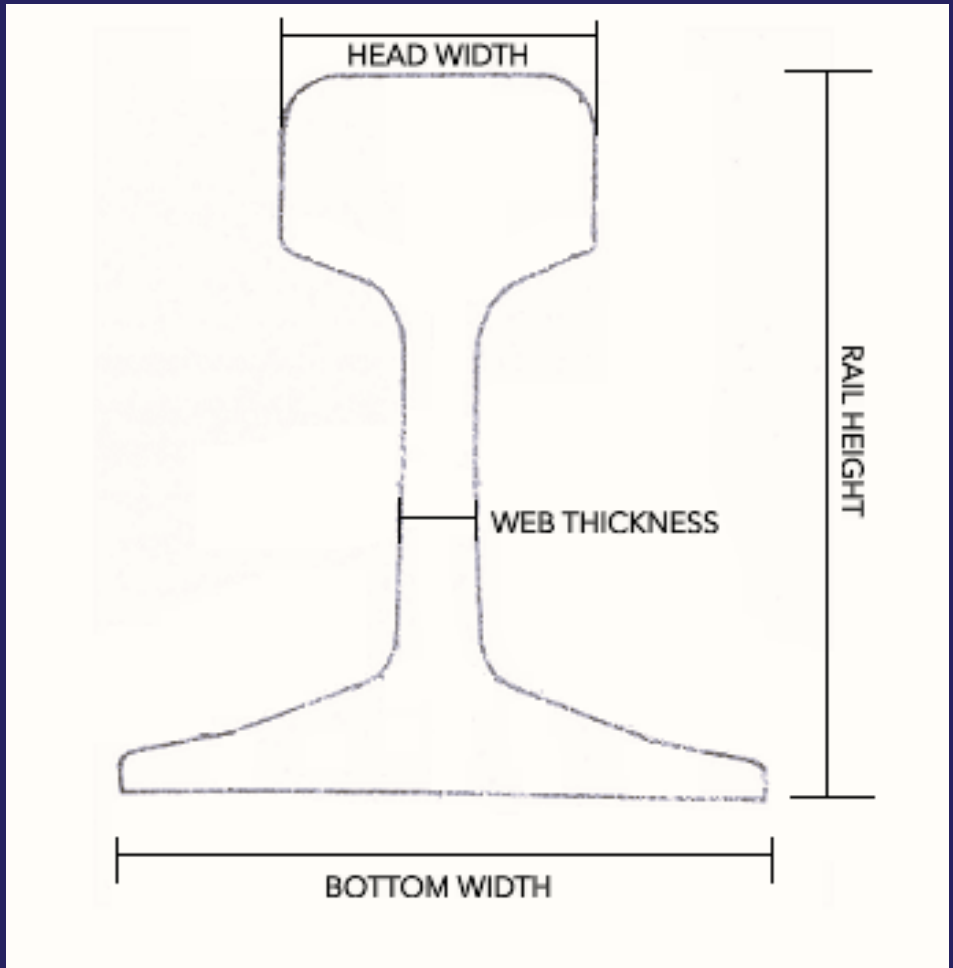
Kolkata

- CR 80
- CR 100
- CR 120



# Weight Chart

Size	Sectional Weight Kg/m	Dimensions			
		Head Width	Rail Height	Bottom Width	Web Thickness
CR 80	64.20	87.00	130.00	130.00	32.00
CR 100	89.00	108.00	150.00	150.00	38.00
CR 120	118.00	129.00	170.00	170.00	44.00





# Zu 1-60 RAIL

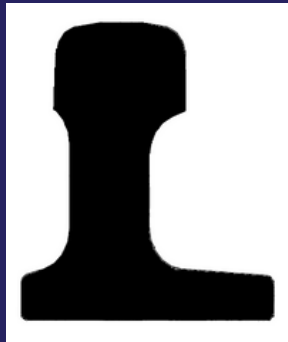
Length: 12 mtr

Country of Origin: China & India (SAIL)

CHEMICAL COMPOSITION				
Ladle Ananlysis, Wt % Max				
C	Mn	S	P	Si
0.65 - 0.77	1.10 - 1.50	0.040	0.040	0.15 - 0.35

MECHANICAL PROPERTIES		
Tensile Strength min MPa	% Elongation A, at Gauge (min)	Hardness in BHN (min)
880	8	260

Size	Sectional Weight Kg/m	Dimensions			
		Head Width	Rail Height	Bottom Width	Web Thickness
Zu 1 - 60	73.00	74.50	134.00	140.00	44.00



# Applications:

Used in a range of industrial applications, including:

- **Light Duty Railway Tracks in Industrial Plants & Warehouses**
- **Structural Support in Construction**
- **Material Handling Systems like Trolley Tracks**
- **Installed in logistics hubs for automated guided vehicles (AGVs)**
- **EOT cranes**
- **Gantry Cranes**
- **Port Cranes**
- **Installed in shipyards and container terminals**
- **Applied in heavy industries like steel mills and power plants**
- **Reprocessed for melting and manufacturing new steel products**
- **Repurposed for guardrails, fencing, and bridge supports**
- **Used for foundry and rolling mill & industrial casting**
- **Used in factories and warehouses for material transportation**
- **Supports mining & quarry rail networks for bulk material handling**

