

Durgapur TMT Bar

Shree Ji Steel Corporation is the best Durgapur rod dealer and Durgapur TMT bar wholesaler in Kolkata. Durgapur TMT bars are produced under expert guidance using the best quality materials in order to meet industry norms and customer requirements. Our range of TMT bars finds huge demand in the industry for its quality. These products have low carbon content that exhibits high bend and re-bend ability and higher elongation with excellent yield. Moreover, to achieve the maximum satisfaction level of our customers, we offer our ranges of TMT bars at industry leading prices.



Brand	DURGAPUR TMT
Single Piece Length	12 meter
Material Grade	IS 1786/2008
Minimum Order Quantity	16 Tons
Material	Mild Steel
Application	Construction
Features	Improve safety and durability of structures

Durgapur TMT Bar Sizes and Weights

Size (in mm)	Weight (in Kg/m)	Weight (in Kg/feet)
Durgapur TMT Bar 5.5mm	0.186	0.056
Durgapur TMT Bar 8mm	0.395	0.120
Durgapur TMT Bar 10mm	0.617	0.188
Durgapur TMT Bar 12mm	0.890	0.271
Durgapur TMT Bar 16mm	1.580	0.482
Durgapur TMT Bar 20mm	2.470	0.753
Durgapur TMT Bar 25mm	3.850	1.173
Durgapur TMT Bar 28mm	4.830	1.472
Durgapur TMT Bar 32mm	6.310	1.923

Mechanical Properties of Durgapur TMT Bars

Sizes	0.2% Proof Stress/ YSN/ mm2 (min)	0.2% Proof Stress/ YSN/ mm2 (max)	Tensile Strength (N/mm2)	TS/YS Ratio	Elongation (%)	Total Elongation at max force (%)	Bend Test	Re-Bend Test
5.5 mm	528	540	632	1.19	18.20	7.70	ok	pass
8 mm	534	549	639	1.19	22.20	8.80	ok	pass
10 mm	534	549	636	1.19	22.00	8.20	ok	pass
12 mm	525	518	632	1.19	20.00	8.80	ok	pass
16 mm	530	548	634	1.19	22.10	8.20	ok	pass
20 mm	528	546	632	1.19	20.00	8.20	ok	pass
25 mm	528	540	632	1.19	19.80	8.74	ok	pass
28 mm	530	540	632	1.19	19.80	7.78	ok	pass
30 mm	528	540	632	1.19	20.54	8.64	ok	pass

Chemical Properties of Durgapur TMT Bars

Components

Chemical Composition Of Durgapur TMT Bars
The raw material (Billets) which are used for making Bars must have the following chemical composition which we make sure is present in the bars we provide.

Carbon (%)	0.18 - 0.19
Sulphur (%)	0.30 - 0.032
Phosphorus (%)	0.38 - 0.40
Sulphur & Phosphorus (%)	0.70
Nitrogen Content	0.0042 - 0.0043