



SM

Steels & Tubes

Reg. Off : # 1/206, Om Muruga Nagar, Kallipalayam,
Coimbatore - 641 107.

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VISION

We ensure our customers to be delighted - " ON AVAILING OUR SERVICES IN BLACK IRON RAW MATERIALS TO BUILD A TECH-STRCUTURAL PRODUCTS FOR GEARING UP THE WORLD" - SM STEELS & TUBES

ABOUT US

"SM STEELS & TUBES" commenced with an aspiration to deliver the precisely manufactured products to the clients. We are a sole proprietorship based entity which is performing its occupational activities in a streamlined way in the field wholesale trading of defect-free products. Headquartered in Coimbatore. Tamil Nadu and from there we are handling our business proficiently. The spectrum of provide to our customers includes of industrial Iron raw material and many more.

We are pleased to Introduce ourselves a leading trade segments for the MS Pipes and fitting (ERW), GI Pipes and related fitting, MS Seamless tubes, Boiler Tubes and Fittings, Cr & Hr Square, Round And Rectangular Tubes, MS STEELS (PLATES, SHEETS, RODS, ANGLES, CHANNELS & BRIGHT BAR) and Materials like TMT BARS, CEMENT, COLOUR ROOFING SHEETS ETC..

We supply materials with Test Certificate along with Commercial Invoice. We supply MS Pipes ranges from 6mm OD tube in round segment. 20mm to 300mm in Square and Rectangle tube MS AND GI.

INDUSTRIAL & ENGINEERING PRODUCTS

◆ **PIPES & TUBES** : IS. 1239, IS 4923, IS 1161 etc...

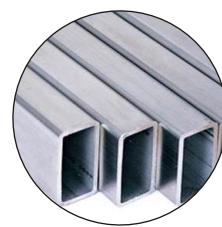
★ MS PIPE (SQUARE, ROUND, RECTANGLE)

★ CR PIPE (SQUARE, ROUND, RECTANGLE)

★ SEAMLESS & BOILER TUBE (ROUND)

★ ACCESSORIES

SHORT & LONG BENDS, VALVES, FLANGES, ABRASIVES, ELECTRO ROD, AND etc....



STEEL PRODUCTS

ANGLES (L, T, Z)

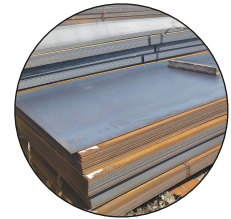
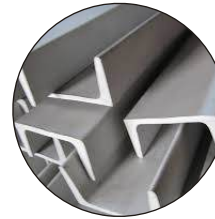
CHANNEL

JOIST

RODS (SQUARE, ROUND)

FLATS

SHEETS & PLATES



CIVIL DOMESTIC PRODUCTS



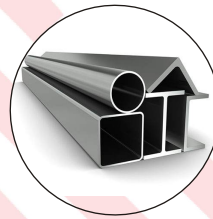
TMT



PVC



GI & GP



STRUCTURAL
STEELS



ROOFING SHEET
(GC & COLOUR COATED)

Conforming to IS 1239 (Part - 1) : 2004

Nominal Bore in mm	in inch	Series	Outside Diameter		Wall Thickness (T)		Nominal Mass of Tube	
			Maximum in mm	Minimum in mm	in mm	in Gauge	kg/mtr	Mtrs/M.Ton
15	0.50	Light	21.4	21.0	2.00	14	0.947	1056
		Medium	21.8	21.0	2.60	12	1.210	826
		Heavy	26.9	21.0	3.20	10	1.440	694
20	0.75	Light	27.3	26.4	2.30	13	1.380	725
		Medium	27.3	26.5	2.60	12	1.560	641
		Heavy	33.8	26.5	3.20	10	1.870	535
25	1.00	Light	34.2	33.2	2.60	12	1.980	505
		Medium	34.2	33.3	3.20	10	2.410	415
		Heavy	42.5	33.3	4.00	8	2.930	341
32	1.25	Light	42.9	41.9	2.60	12	2.540	394
		Medium	42.9	42.0	3.20	10	3.100	323
		Heavy	48.4	42.0	4.00	8	3.790	264
40	1.50	Light	48.8	47.8	2.90	11	3.230	310
		Medium	48.8	47.9	3.20	10	3.560	281
		Heavy	48.8	47.9	4.00	8	4.370	229
50	2.00	Light	60.2	59.6	2.90	11	4.080	245
		Medium	60.8	59.7	3.60	9	5.30	199
		Heavy	60.8	59.7	4.50	7	6.190	162
65	2.50	Light	76.0	75.2	3.20	10	5.710	175
		Medium	76.6	75.3	3.60	9	6.420	156
		Heavy	76.6	75.3	4.50	7	7.930	126
80	3.00	Light	88.7	87.9	3.20	10	6.720	149
		Medium	89.5	88.0	4.00	8	8.360	120
		Heavy	89.5	88.0	4.80	6	9.900	101
100	4.00	Light	113.9	113.0	3.60	9	9.750	103
		Medium	115.0	113.1	4.50	7	12.200	82
		Heavy	115.0	113.1	5.40	5	14.500	69
125	5.00	Medium	140.8	138.5	4.80	6	15.900	63
		Heavy	140.8	138.5	5.40	5	17.900	56
150	6.00	Medium	166.5	163.9	4.80	6	18.900	53
		Heavy	166.5	163.9	5.40	5	21.300	47

Tolerance on Thickness and Mass

Class	Thickness	Mass (Weight)	
		Single Tube	Per Load of 10 Mton Min.
Light	+Not Limited	+10 percent	+7.5 percent
	- 8 percent	-8 percent	-5 percent
Medium & Heavy	+Not limited -10 percent	± 10 percent	± 7.5 percent

Mechanical Properties

Tensile Properties	Tensile Strength Min MPa	Yield Strength Min MPa	Elongation on Gauge Length
Yst 210	330	210	20
Yst 240	410	240	17
Yst 310	450	310	14
Yst 355	490	355	10

Tolerances

Outside diameter	Thickness
Up to & Including 48.3 mm	+0.4 mm - 0.8 mm
Over 48.3 mm	±10 percent

Confirming to IS 1161, IS 4923 (Yst 210, Yst 240, Yst 310)

PIPE SQUARE			PIPE RECTANGLE			PIPE ROUND		
Size	Thickness (mm)	Weight P.L	Size	Thickness (mm)	Weight P.L	Size	Thickness (mm)	Weight P.L
19*19	1.00	3.30	40*20	1.20	6.80	15 NB(21.3)	1.60	4.80
	1.20	4.20		1.60	8.80		2.00	5.80
	1.60	5.20		2.00	10.8		2.65	7.30
	2.00	6.60		2.60	13.8		2.90	8.00
25*25	1.00	4.50		2.90	15.4	20 NB(26.90)	1.60	6.00
	1.20	5.40	50*25	1.00	7.00		2.00	7.20
	1.60	7.00		1.20	8.60		2.65	9.60
	2.00	8.60		1.60	11.2		2.90	10.5
	2.50	10.8		2.00	13.7	25 NB (33.7)	1.60	7.70
30*30	2.90	12.5		2.50	17.6		2.00	9.50
	1.20	6.40		2.90	19.8		2.60	12.2
	1.60	8.60	60*40	1.20	11.2		2.90	13.4
	2.00	10.4		1.40	13.2		3.20	14.6
40*40	2.50	13.0		1.60	14.8	32 NB(42.30)	3.60	16.25
	2.90	15.3		2.00	18.2		1.60	9.60
	1.20	8.80		2.50	23.8		2.00	12.0
	1.60	11.5		2.90	26.4		2.60	15.3
	2.00	14.5	75*25	4.00	36.0		2.90	17.0
50*50	2.90	20.2		1.20	11.0	40 NB(48.30)	3.20	18.6
	4.00	28.0		1.60	14.6		3.60	20.7
	1.20	11.2		2.00	18.5		1.60	11.0
	1.60	14.6	80*40	1.20	13.5		2.00	14.0
	2.00	18.0		1.40	15.5		2.60	18.0
60*60	2.50	22.6		1.60	18.0	50 NB(60.30)	2.90	19.8
	2.90	25.6		2.00	22.2		3.20	22.0
	4.00	35.0		2.50	28.5		3.65	24.0
	5.00	40.0		2.90	32.0		4.00	26.5
	1.60	17.6	96*25	4.00	44.0		1.60	14.0
72*72	2.00	22.0		1.20	13.0	65 NB(76.30)	2.00	17.5
	2.90	30.0		1.40	15.0		2.60	22.7
	3.60	39.0		1.60	18.0		2.90	24.8
	4.00	42.0		2.00	22.0		3.20	27.5
	5.00	53.5	100*50	1.60	22.2		3.65	31.0
80*80	1.60	21.5		2.00	28.0	80 NB(88.90)	4.00	33.7
	2.00	27.0		2.50	36.0		4.50	37.0
	2.90	39.0		2.90	39.0		1.60	18.0
	4.00	52.0		4.00	55.0	100 NB(114.30)	2.00	22.0
	5.00	65.0	122*61	5.00	68.0		2.60	28.0
91*91	6.00	77.0		6.00	78.0		2.90	31.5
	2.00	30.0		2.00	34.0		3.20	35.0
	2.90	43.0		2.50	42.0		3.65	39.0
	4.00	58.75		2.90	50.0		4.00	43.0
100*100	5.00	72.5	145*82	4.00	62.0		4.50	47.0
	6.00	86.0		4.80	80.0	125 NB(139.70)	2.00	25.8
	2.90	49.0		5.40	90.0		2.60	34.0
	3.65	61.0		2.00	42.0		2.90	37.0
	4.00	67.0		2.50	52.0		3.20	41.0
150*150	5.00	83.0	172*92	2.90	60.0	150 NB(163.90)	3.65	46.0
	2.00	37.0		4.00	83.0		4.00	51.0
	2.50	46.0		4.80	100		4.50	56.0
	2.90	52.0		5.40	112		4.80	61.0
	3.60	65.0	200*100	4.00	100		2.00	33.0
180*180	4.00	72.0		4.80	118	200 NB(219)	2.60	44.0
	5.00	90.0		5.40	131		2.90	48.0
	6.00	108		2.50	70.0		3.20	54.0
	8.00	143		2.90	82.0		3.65	60.0
	2.50	70.0		4.00	112		4.00	66.0
200*200	2.90	80.0	240*120	5.00	139	250 NB(273)	4.50	72.0
	3.60	101		6.00	166		4.80	77.0
	4.00	112		8.00	220		5.40	87.0
	5.00	135		4.00	135		2.00	41.0
	6.00	166		5.00	168		2.65	54.0
220*220	8.00	220		6.00	200		2.90	59.0
	4.00	135		8.00	265		4.00	81.0
	5.00	168					4.80	97.0
	6.00	200					5.40	107
	8.00	265					2.00	48.0
250 NB(273)	4.00	150				200 NB(219)	2.65	64.0
	5.00	187					2.90	70.0
	6.00	225					4.00	97.0
	8.00	296					4.80	115
	5.00	206					5.40	128
	6.00	246					4.00	127
	8.00	327					5.00	162
							6.00	193
							8.00	286
							4.00	162
							5.00	198
							6.00	240
							8.00	316



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