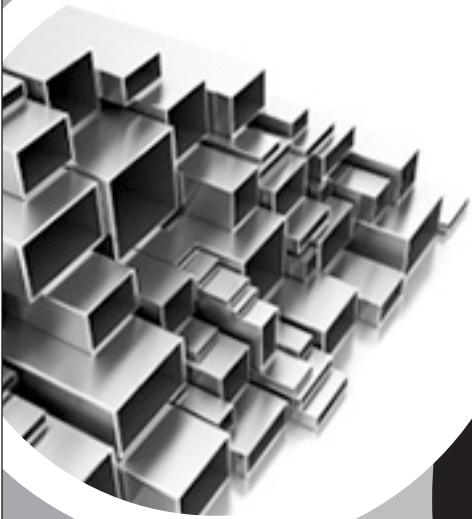


Powerhouse of
ENGINEERING
Excellence



FINOMAX[®]
STEEL TUBE PVT. LTD.

Trust Quality Reliability

■ About us...

We take this pleasure to introduce ourself as a leading manufacturers ERW PIPES & STEEL TUBES name as " FINOMAX STEEL TUBE PVT LTD." We are one of the fastest growing manufacturer and exporter of ERW PIPES & MS TUBE. With using having a world class machineries with high innovative technology to cater our customer with full of satisfaction. Right from our operation stage extreme –care has been taken to ensure quality & efficiency that reflects our motto "**TRUST, QUALITY, RELIABILITY**".

■ Quality Policy

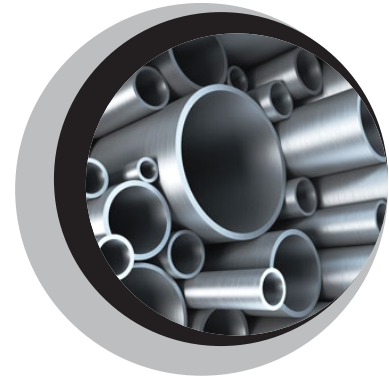
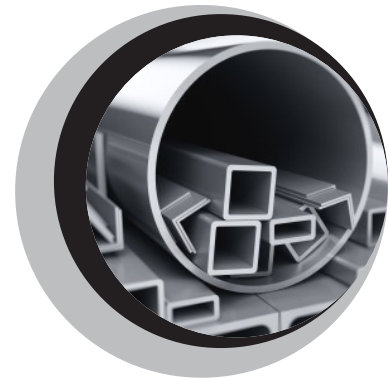
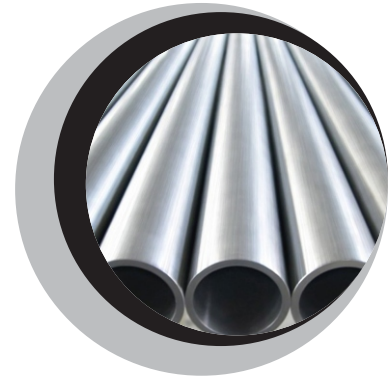


Our commitment towards use of only ISI & BS standard raw material allows us to our resources at its optimum level so that the waste created can be kept at low level and maintain our environment healthy.

All of our final product undergo a strict inspection by our qualified professionals before providing delivery on time. Check Thought various parameters of quality control, finishing, sharpness, to make over products for complete satisfaction of over costumers demand...

Technical Data of Round Tubes For Structural Purposes Conforming to IS : 1161-2014

Size (NB)	O.D (mm)	Thickness		Nominal Wight Black and plain End		
		mm	SWG	Kg/m	Meter/tonne	
1/2" 15	L	21.3	2.0	14	0.94	1058
	M		2.6	12	1.21	826
	H		3.2	10	1.44	694
0.75" 20	L	26.9	2.3	13	1.38	725
	M		2.6	12	1.56	641
	H		3.2	10	1.87	535
1" 25	L	33.7	2.6	12	1.98	505
	M		3.2	10	2.41	415
	H		4.0	8	2.93	341
1.25" 32	L	42.4	2.6	12	2.54	394
	M		3.2	10	3.10	323
	H		4.0	8	3.79	264
1.5" 40	L	48.3	2.9	11	3.23	310
	M		3.2	10	3.56	281
	H		4.0	8	4.37	229
2" 50	L	60.3	2.9	11	4.08	245
	M		3.6	9	5.03	199
	H		4.5	7	6.19	162
2.5" 65	L	76.1	3.2	10	5.71	175
	M		3.6	9	6.42	156
	H		4.5	7	7.93	126
3" 80	L	88.9	3.2	10	6.72	149
	M		4.0	8	8.36	120
	H		4.8	6	9.90	101



Tolerance

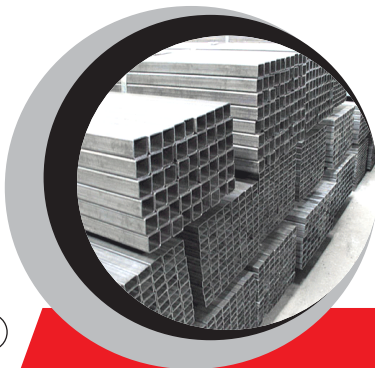
A Thickness	Tolerance	B Weight	Tolerance	Length Tolerance
1. Light Tubes	+ not limited -8%	1. Single Tube (Light Series)	+10%-8%	Unless Otherwise Specified 4 to 7 mtrs. Can Also be supplied in Fix lengths. ± 5 cm.
2. Medium and Heavy Tubes	+ not limited - 10%	2. Single Tube (Medium and Heavy Series)	±10%	
		3. For Quantities per load of 10 tones minimum(Light Series)	+7.5%-5%	
		4. For Quantities per load of 10 tones Minimum (Medium and heavy series)	±7.5%	

Technical Data of Square Tubes For Structural Purposes Conforming to IS : 4923-2017

Sizes mm	Thickness (mm)	Weight (Kg/m)	Area of Section (cm ²)	Moment of inertia (cm ⁴)	Radius Of Gyration (cm)	Elastic Modulus (cm ³)	Plastic Modulus (cm ³)
20 X 20	1.6	0.92	-	-	-	-	-
	2.0	1.05	-	-	-	-	-
	2.6	1.28	-	-	-	-	-
25 x 25	1.6	1.12	1.43	1.28	0.94	1.02	1.08
	2.0	1.36	1.74	1.48	0.92	1.19	1.35
	2.6	1.69	2.16	1.72	0.89	1.38	1.76
	3.2	1.98	2.53	1.89	0.86	1.51	1.98
32 x 32	2.0	1.80	2.30	3.36	1.21	2.10	2.39
	2.6	2.26	2.88	4.02	1.18	2.51	3.11
	3.2	2.69	3.42	4.54	1.15	2.84	3.59
40 x 40	2.6	2.92	3.72	8.45	1.51	4.22	5.12
	2.9	3.21	4.09	9.11	1.49	4.56	-
	3.2	3.49	4.45	9.72	1.48	4.86	6.01
	3.6	3.85	4.91	10.45	1.46	5.22	6.53
	4.0	4.20	5.35	11.07	1.44	5.54	5.01
49.5 x 49.5	2.6	3.69	4.70	16.91	1.90	6.83	8.01
	2.9	4.07	5.19	18.37	1.88	7.42	8.93
	3.6	4.93	6.28	21.42	1.85	8.66	10.60
60 x 60	2.6	4.55	5.80	31.33	2.33	10.44	12.15
	2.9	5.03	6.41	34.21	2.31	11.40	13.56
	3.2	5.50	7.01	36.94	2.30	12.31	14.96
	4.0	6.71	8.55	43.55	2.26	14.52	18.70
72 x 72	3.2	6.71	8.54	66.32	2.79	18.42	21.80
	4.0	8.22	10.47	79.03	2.75	21.95	26.32

Steel Grade	Minimum Yield Stress	Minimum UTS	Axial Stress in Tension	Bending Stress in Ten Compn.	Shear Stress	Bearing Stress	Equivalent Stress
YST-210	210	330	-	-	-	-	-
YST-240	240	410	144	158	108	180	216
YST-310	310	450	186	205	140	232	279

Note : Minimum %Elongation: Yst 210=20%, YST 240=20%, YST 310=15%



Technical Data of Rectangular Tubes For Structural Purposes Conforming to IS : 4923-2017

Sizes mm	Thickness	Weight KG/MTR.	Area Of section	Moment of Inertia		Radius Of Gyration (cm)		Elastic Modulus (cm ³)	
				X-X cm ⁴	Y-Y cm ⁴	X-X cm	Y-Y cm	X-X cm ³	Y-Y cm ³
40 x 20	1.6	1.43	-	-	-	-	-	-	-
	2.0	1.76	-	-	-	-	-	-	-
	2.6	2.25	-	-	-	-	-	-	-
50 x 25	2.0	2.15	2.74	8.38	2.81	1.75	1.01	3.35	2.25
	2.6	2.71	3.46	10.16	3.36	1.71	0.99	4.06	2.69
	3.2	3.24	4.13	11.63	3.80	1.68	0.96	4.65	3.04
60 x 40	2.6	3.73	4.76	22.76	12.09	2.19	1.59	7.59	6.05
	2.9	4.12	5.25	24.74	13.11	2.17	1.58	8.25	6.56
	3.6	4.98	6.35	28.90	15.23	2.13	1.55	9.63	7.62
80 x 40	2.6	4.55	5.80	46.58	15.74	2.84	1.65	11.65	7.87
	2.9	5.03	6.41	50.87	17.11	2.82	1.63	12.72	8.56
	3.2	5.50	7.01	54.94	18.41	2.80	1.62	13.74	9.21
	4.0	6.71	8.55	64.79	21.49	2.75	1.59	16.20	10.74
70 x 50	2.9	5.03	6.40	50.81	13.11	2.82	1.63	12.12	8.56
	3.2	5.50	7.02	54.94	18.41	2.80	1.61	13.74	9.21
	4.0	6.71	8.55	64.80	21.48	2.15	1.59	16.20	10.34
96 x 48	3.2	6.71	8.54	98.61	33.28	3.40	1.97	20.54	13.87
	4.0	8.22	10.47	117.54	39.32	3.50	1.94	24.49	16.38

General Technical Specifications and Tolerances:

Spec : IS 4923:1997/EN 10219-1:2006/ASTM A-500

Length: 6.0m ± 0.05mm Customized Length ranging from 4-8 m may be supplied

Thickness: For all sizes ± 10.0%

Outer Dimension: 1% with a minimum of 0.5 mm

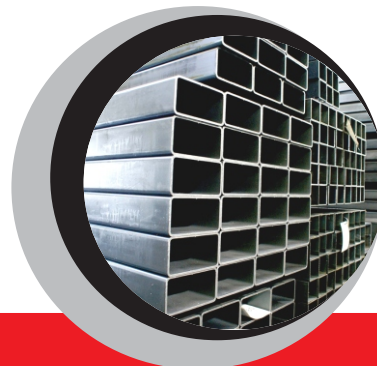
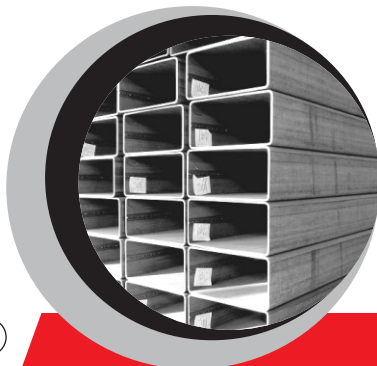
Corner Squareness: 90°±2°

Corner Radius: Maximum. 3x (thickness of the section)

Weight: On individual length : +10%, -*% on lots of MT: ±7.5%

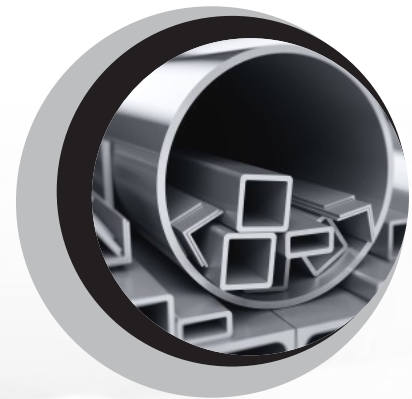
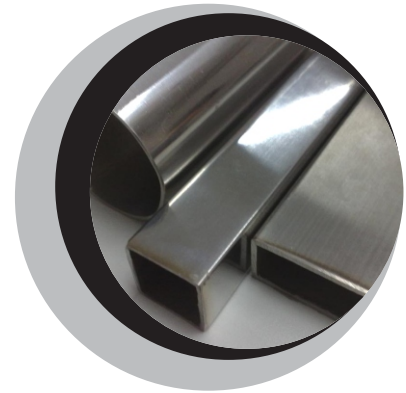
Straightness: Minimum 1:200th of any length measured along the center line Unless otherwise specifically arranged

Twist Tolerance : Maximum 2mm:1:0.5mm 1mm length, the measured relative vertical shift of any adjacent corner of the section, measured by keeping one side of flat surface.



Round Tubes

RoundSize		Min OD	Max OD	Thickness	Weight Per Pcs. (Black)
15 MM 0II*	L	21	21.4	2	5.1
	M	21	21.8	2.6	6.5
	H	21	21.8	3.2	7.8
20 MM 0III*	L	26.4	26.9	2.3	7.5
	M	26.5	27.3	2.6	8.4
	H	26.5	27.3	3.2	10.1
25 MM 1*	L	33.2	33.8	2.6	10.7
	M	33.3	34.2	3.2	13
	H	33.3	34.2	4	15.8
32 MM 1I*	L	41.9	42.5	2.6	13.7
	M	42	42.9	3.2	16.7
	H	42	42.9	4	20.5
40 MM 1II*	L	47.8	48.4	2.9	17.4
	M	47.8	48.8	3.2	19.2
	H	47.9	48.8	4	23.6
50 MM 2*	L	59.6	60.2	2.9	22
	M	59.7	60.8	3.6	27.2
	H	59.7	60.8	4.5	33.4
65 MM 2II*	L	75.2	76	3.2	31
	M	75.3	76.6	3.6	34.7
	H	75.3	76.6	4.5	42.8
80 MM 3*	L	87.9	88.7	3.2	36.3
	M	88	89.5	4	45.1
	H	88	89.5	4.8	53.5
100 MM 4*	L	113	113.9	3.6	52.7
	M	113.1	115	4.5	65.9
	H	113.1	115	5.4	78.3
125 MM 5*	L	138.5	140.5	4	72.4
	M	138.5	140.8	4.8	85.9
	H	138.5	140.8	5.4	96.7
150 MM 6*	L	163.9	165	4.5	96.1
	M	163.9	165.5	4.8	102.1
	H	163.9	166.5	5.4	115
175 MM 7*	3 MM	193.7	193.7	3	85
	4 MM	193.7	193.7	4	112
	5 MM	193.7	193.7	5	140
200 MM 8*	3 MM	219.1	219.1	3	96
	4 MM	219.1	219.1	4	128
	5 MM	219.1	219.1	5	158
250 MM 10*	3.6 MM	273.1	273.1	3.6	143
	4 MM	273.1	273.1	4	159
	5 MM	273.1	273.1	5	198
	6 MM	273.1	273.1	6	235
300 MM 12*	4 MM	323	323.5	4	188.7
	5 MM	323	323.5	5	235
	6 MM	323	323.5	6	281.3
	8 MM	323	323.5	8	372



■ Square Pipe

SQUARE SIZE	THICKNESS	WEIGHT PER 1 PC.
15 X 15	1.2	3.15
15 X 15	1.6	4.15
20 X 20	1.2	4.3
20 X 20	1.6	5.65
20 X 20	2	6.95
20 X 20	2.5	8.10
25 X 25	1	4.55
25 X 25	1.2	5.4
25 X 25	1.6	7.15
25 X 25	2	8.8
25 X 25	2.5	10.8
25 X 25	3	12.7
32 X 32	2	11.45
32 X 32	2.5	14.1
32 X 32	3	16.2
40 X 40	1.2	7.9
40 X 40	1.6	11.65
40 X 40	2	14.45
40 X 40	2.5	17.85
40 X 40	3	20.55
40 X 40	3.6	25.15
40 X 40	4	27.65
50 X 50	1.2	11
50 X 50	1.6	14.65
50 X 50	2	18.2
50 X 50	2.5	22.55
50 X 50	3	26
50 X 50	3.6	31.85
50 X 50	4	35.2
50 X 50	5	43.25
60 X 60	1.6	17.65
60 X 60	2	21.95
60 X 60	3	32.45
60 X 60	3.6	38.65
60 X 60	4	42.7
60 X 60	5	52.65
72 X 72	1.6	21.25
72 X 72	2	26.45
72 X 72	2.5	32.8
72 X 72	3	37.95
72 X 72	3.6	46.75
72 X 72	4	51.7
72 X 72	5	63.9
80 X 80	1.6	23.65

SQUARE SIZE	THICKNESS	WEIGHT PER 1 PC.
80 X 80	2	29.45
80 X 80	3	43.75
80 X 80	4	57.7
80 X 80	5	71.45
91X91	1.6	27
91X91	2	33.6
91X91	3	49.9
91X91	4	66
91X91	5	81.75
100 X 100	2	36.95
100 X 100	3	53.2
100 X 100	3.6	65.65
100 X 100	4	72.75
100 X 100	5	90
100 X 100	6	107
113 X 113	3	62.35
113 X 113	4	82.5
113 X 113	5	102.4
132 X 132	3	73
132 X 132	4	96.8
132 X 132	5	120.2
132 X 132	6	142.4
150 X 150	3	83
150 X 150	4	110
150 X 150	5	137
150 X 150	6	163
150 X 150	8	205
180 X 180	4	133
180 X 180	5	165
180 X 180	6	197
180 X 180	8	261
200 X 200	4	148
200 X 200	5	184
200 X 200	6	220
200 X 200	8	280
220 X 220	4	163
220 X 220	5	202
220 X 220	6	242
220 X 220	8	310
250 X 250	4	185
250 X 250	5	231
250 X 250	6	276
250 X 250	8	343
300 X 300	6	334
300 X 300	8	442
300 X 300	10	550
300 X 300	12	657

■ Rectangle Pipe

RECTANGLE SIZE	THICKNESS	WEIGHT PER 1 PC.
40 X 20	1.2	6.55
40 X 20	1.6	8.65
40 X 20	2	10.65
40 X 20	2.5	13.15
40 X 20	3	15.1
50 X 25	1.2	8.25
50 X 25	1.6	10.85
50 X 25	2	13.5
50 X 25	2.5	16.65
50 X 25	3	19.2
75 X 25	1.2	11
75 X 25	1.6	14.65
75 X 25	2	18.2
75 X 25	2.5	22.55
75 X 25	3	26
60 X 40	1.2	11
60 X 40	1.6	14.65
60 X 40	2	18.2
60 X 40	2.5	22.55
60 X 40	3	26
80 X 40	1.6	17.65
80 X 40	2	21.8
80 X 40	2.5	27.25
80 X 40	3	32.45
80 X 40	3.6	38.65
80 X 40	4	42.7
80 X 40	5	52.65
96 X 48	1.6	21.75
96 X 48	2	26.45
96 X 48	2.5	32.8
96 X 48	3	37.9
96 X 48	3.6	46.75
96 X 48	4	49.8
96 X 48	5	63
100 X 50	1.6	22.15
100 X 50	3	39.6
100 X 50	4	53.9

RECTANGLE SIZE	THICKNESS	WEIGHT PER 1 PC.
100 X 50	5	66.7
122 X 61	1.6	27.1
122 X 61	3	48.6
122 X 61	3.6	59.9
122 X 61	4	66.3
122 X 61	4.5	74
122 X 61	5	82.2
150 X 50	3	53
150 X 50	4	72.7
150 X 50	5	90
145 X 82	3	60
145 X 82	4	82
145 X 82	5	102
145 X 82	6	122
172 X 92	3	70
172 X 92	4	96
172 X 92	5	120
172 X 92	6	143
200 X 100	3	83
200 X 100	4	110
200 X 100	5	137
200 X 100	6	163
240 X 120	4	132
240 X 120	5	165
240 X 120	6	197
240 X 120	8	245
300 X 150	4	165
300 X 150	5	207
300 X 150	6	248
300 X 150	8	308
300 X 200	4	185
300 X 200	5	231
300 X 200	6	275
300 X 200	8	343
400 X 200	6	334
400 X 200	8	442
400 X 200	10	550
400 X 200	12	657

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