



LAXMI PIPES LIMITED

*A steady flow
of satisfaction...*



Presenting Preferred Quality
E.R.W. Galvanised
& Black Mild Steel Tubes / Pipes



AN ISO 9001:2008 COMPANY

www.laxmipipes.in

Company Profile

Laxmi Pipes, set up in 1971 is a pioneer in manufacturing of quality product E.R.W. Galvanized and Black Steel Tubes/Pipes under the brand name "SINGAL INDIA". We are quipped with latest sophisticated machines and technical know-how, having production ranging from 1/2" to 6" N.B. confirming to various national and international standards with a capacity of 72,000 MT per annum.

Research & Development

The R&D department is fully equipped with latest facilities and is controlled by a team of highly qualified engineers, who are continuously striving to research and develop better procedures for inspection, testing and production. The department is working for the up gradation fo quality with changing of time and permanently educating the workers for improvement.

Usage and Market

Production find its application in the field of imaginations, Housing, Agriculture, Oil & Gas, Construction, Engineering, Water & Sanitary Ware, Scaffoldings Power & Electrician, Tubular Poles etc. We have established ourselves fully in domestic as well as in the international market.





Creating Quality

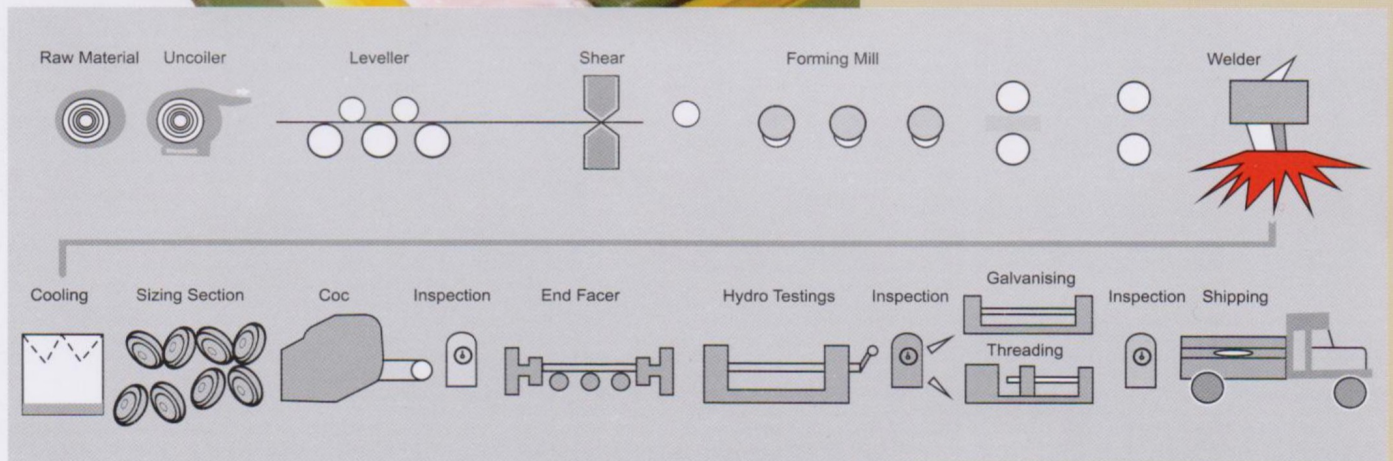
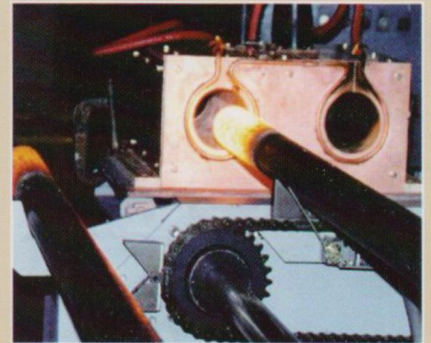
at Laxmi Pipes Limited

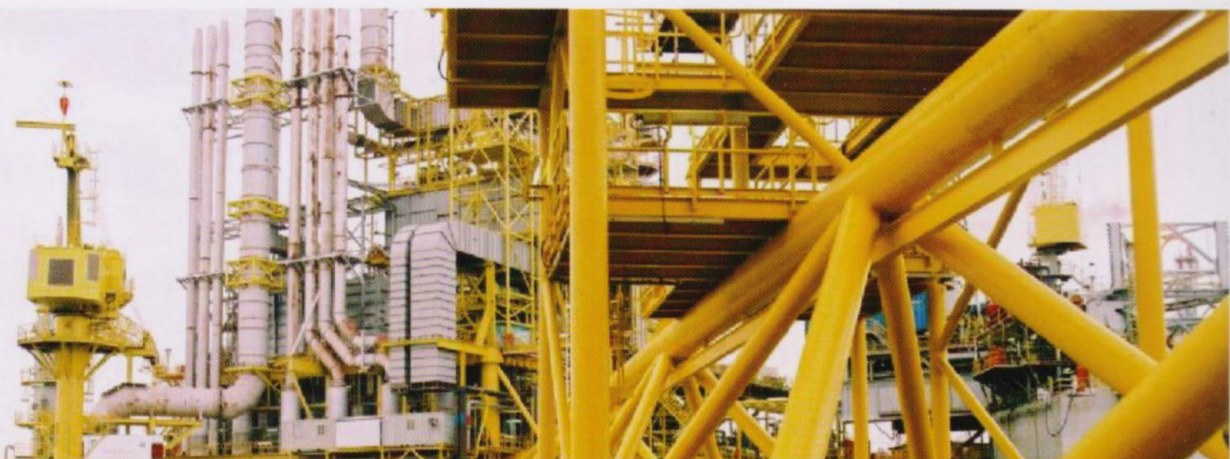
We are committed to maintain international quality standards efficient delivery schedule competitive prices and excellent services. We have developed an integrated quality system, a model for quality assurance in production, installation and servicing. Our's is ISI marked product and we are ISO certified company. Company is committed to total quality first time & every time. Customer satisfaction is the main objective of the company.





The Art of Manufacturing



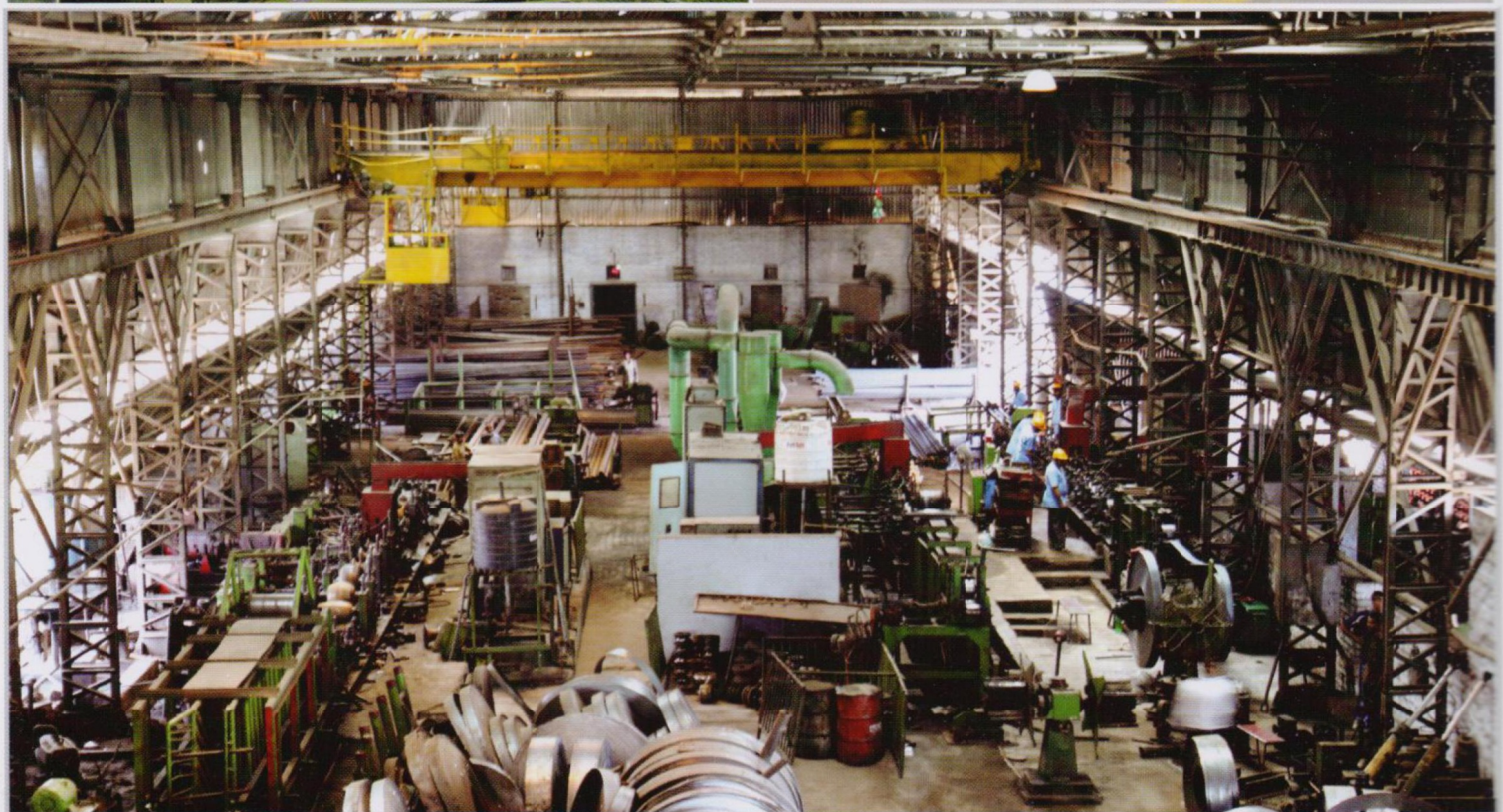
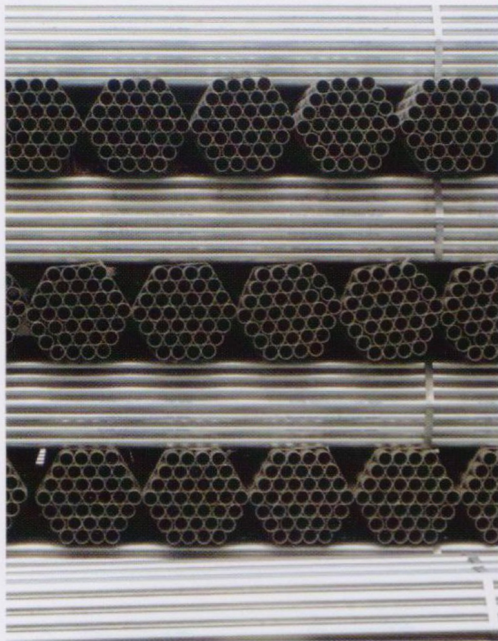


Steel Pipes Steel Tubes for uses in Water, Gas, Air and Steam Conforming
to IS : 1239 (Part-1) 2004 / BS : 1387/85

Normal Bore & Series		Outside Diameter			Normal Mass of Steel Tube					
					Plain End		Screwed & Socked			
mm	Inch	Max mm	Min. mm	Wall Thickness	Kg/m	mtrs/tonne	Kg/m	mtrs/tonne	Min O.D. mm	Min Length mm
15 L	0.50	21.4	21.0	2.0	0.947	1056	0.956	1046	27.0	37.0
15 M	0.50	21.8	21.0	2.6	1.21	826	1.22	820	27.0	37.0
15 H	0.50	21.8	21.0	3.2	1.44	694	1.45	690	27.0	37.0
20 L	0.75	26.9	26.4	2.3	1.38	724	1.39	719	32.5	39.0
20 M	0.75	27.3	26.5	2.6	1.56	641	1.57	637	32.5	39.0
20 H	0.75	27.3	26.5	3.2	1.87	534	1.88	532	32.5	39.0
25 L	1.00	33.8	33.2	2.6	1.98	55	2.00	500	39.5	46.0
25 M	1.00	34.2	33.3	3.2	2.41	415	2.43	412	39.5	46.0
25 H	1.00	34.2	33.3	4.0	2.93	341	2.95	339	39.5	46.0
32 L	1.25	42.5	41.9	2.6	2.54	393	2.57	389	49.0	51.0
32 M	1.25	42.9	42.0	3.2	3.10	322	3.13	319	49.0	51.0
32 H	1.25	42.9	42.0	4.0	3.79	264	3.82	262	49.0	51.0
40 L	1.50	48.4	47.8	2.9	3.23	309	3.27	306	56.0	51.0
40 M	1.50	48.8	47.9	3.2	3.56	281	3.60	278	56.0	51.0
40 H	1.50	48.8	47.9	4.0	4.37	229	4.41	227	56.0	51.0
50 L	2.00	60.2	59.6	2.9	4.08	245	4.15	241	68.0	60.0
50M	2.00	60.8	59.7	3.6	5.03	199	5.10	196	68.0	60.0
50 H	2.00	60.8	59.7	4.5	6.19	161	6.26	160	68.0	60.0
65 L	2.50	76.0	75.2	3.2	5.71	175	5.83	172	84.0	69.0
65 M	2.50	76.6	75.3	3.6	6.42	155	6.54	153	84.0	69.0
65 H	2.50	76.6	75.3	4.5	7.93	126	8.05	124	84.0	69.0
80 L	3.00	88.7	87.9	3.2	6.72	149	6.89	145	98.0	75.0
80 M	3.00	89.5	88.0	4.0	8.36	119	8.53	117	98.0	75.0
80 H	3.00	89.5	88.0	4.8	9.90	101	10.10	96	98.0	75.0
100 L	4.00	113.9	113.0	3.6	9.75	102	10.00	100	124.0	87.0
100 M	4.00	115.0	113.1	4.5	12.20	82	12.50	80	124.0	87.0
100 H	4.00	115.0	113.1	5.4	14.50	69	14.80	68	124.0	87.0
125 M	5.00	140.8	138.5	4.8	15.90	63	16.40	61	151.0	96.0
125 H	5.00	140.8	138.5	5.4	17.90	56	18.40	54	151.0	96.0
150 M	6.00	166.5	163.9	4.8	18.90	53	19.50	51	178.0	96.0
150 H	6.00	166.5	163.9	5.4	21.30	47	21.90	46	178.0	96.0

Tolerance on Thickness and Mass

Class	Thickness	Weight Single Tube	Per Load of 10 Tonne Min	Length Unless otherwise specified
Light	+ Not Limited - 8%	+ 10% - 8%	± 5%	4 to 7 Mtrs.
Medium & Heavy	+ Not Limited - 10%	± 10%	± 7.5%	



Steel Tubes for Structural/Scaffold Tubes Purposes Conforming to IS : 1161: 1998 & BS : 1139
Equivalent to BS : 1775 / 64

N.B. and Series	Outside Diameter	Thick-ness	Nominal Weight Black Tubes Plain End		Calculated Nominal Weight Galvanized Tubes Plain End	
			Kg/m	m/tonne	Kg/m	m/tonne
15 L	21.3	2.0	0.947	1058	1.00	1003
M		2.6	1.21	826	1.26	794
H		3.2	1.44	694	1.49	671
20 L	26.9	2.3	1.38	725	1.43	699
M		2.6	1.56	641	1.61	621
H		3.2	1.87	535	1.92	521
25 L	33.7	2.6	1.98	505	2.03	493
M		3.2	2.41	415	2.46	407
H		4.0	2.93	341	2.98	336
32 L	42.4	2.6	2.54	394	2.62	382
M		3.2	3.10	323	3.18	314
H		4.0	3.79	264	3.87	258
40 L	48.3	2.9	3.23	310	3.34	299
M		3.2	3.56	281	3.67	272
H		4.0	4.37	229	4.48	223
50 L	60.3	2.9	4.08	245	4.20	238
M		3.6	5.03	199	5.15	194
H		4.5	6.19	162	6.31	158
65 L	76.1	3.2	5.71	175	5.86	171
M		3.6	6.42	156	6.57	152
H		4.5	7.93	126	8.10	123
80 L	88.9	3.2	6.72	149	6.90	145
M		4.0	8.36	120	8.54	117
H		4.8	9.90	101	10.08	99

A. Tensile Properties

Grade	Y.S. (MIN) Mpa (Kg/mm2)	T.S. (MIN) Mpa (Kg/mm2)	% age Elongation
YST-210	210 (21.42)	330 (33.66)	20
YST-240	240 (24.48)	410 (41.82)	17
YST-310	310	450	14

Note : For Tube size upto and including 25 mm NB, elongation of 12% shall be permissible.

ERW Steel Tubes for Water & Sewage Purpose Conforming to IS: 3589/2001 Equivalent to BS-534

N.B Size	Out side Diameter	Wall Thickness	Weight (Plain End)	
mm	mm	mm	Kg/m	M/tonne
150	168.3	2.60	10.60	94
		3.20	13.00	77
		4.00	16.20	62
		4.50	18.20	55
		5.00	20.10	50
		6.30	25.20	40
175	193.7	2.60	12.30	81
		3.60	16.90	59
		4.50	21.00	48
		6.30	29.10	34
200	219.1	2.60	13.90	72
		3.60	19.10	52
		4.50	23.80	42
		6.30	33.10	34
250	219.1	3.60	23.90	42
		4.00	26.50	38
		5.00	33.00	30
		6.30	41.40	24
300	323.9	4.00	31.60	32
		4.50	35.40	28
		5.60	44.00	23
		7.10	55.50	18
350	355.6	4.00	34.70	29
		5.00	43.20	23
		5.60	48.30	21
		8.00	68.60	15

N.B. and Series	Outside Diameter	Thick-ness	Nominal Weight Black Tubes Plain End		Calculated Nominal Weight Galvanized Tubes Plain End	
			Kg/m	m/tonne	Kg/m	m/tonne
90 L	101.6	3.6	8.70	115	8.97	111
M		4.0	9.63	144	7.20	139
H		4.8	11.50	87	11.77	85
100 L	114.3	3.6	9.75	103	9.97	100
M		4.5	12.20	82	12.42	81
H		5.4	14.50	69	14.72	68
110 L	127.0	4.5	13.60	74	13.90	72
M		4.8	14.50	69	14.80	68
H		5.4	16.20	62	14.80	61
125 L	139.7	4.5	15.00	67	15.25	66
M		4.8	15.90	63	16.15	62
H		5.4	17.90	56	18.15	55
135 L	152.4	4.5	16.40	61	16.78	60
M		4.8	17.50	57	17.88	56
H		5.4	19.60	51	19.98	55
150 L	165.1	4.5	17.80	56	18.20	55
M		4.8	18.90	52	19.80	51
H		5.4	21.30	47	21.70	46
150 L	168.3	4.5	18.2	55	18.66	54
M		4.8	19.4	52	19.88	50
H1		5.4	21.7	46	22.24	45
H2		6.3	25.2	40	41.00	24

B. Tolerances

i) Outside diameter upto & including 48.3 mm
+ 0.4mm - 0.8 mm Over 48.3 mm +/- 1%

C. Thickness

For all Sizes
Welded Tubes + Not limited
-10%

D. Weight

Single Tube (Light Class) - 8%
+10%
For Medium & Heavy Class +/- 10%
10 Tonne Light +/- 5%
Medium & Heavy +/- 7.5%

Tolerances

- Outside diameter of pipe $\pm 0.75\%$
- Ovality = max.1%
- Thickness $\pm 10\%$
- Length Unless other specified.
Length are in single random length of 4 to 7 meter.
- Mass per Truck Load of 10 Tonnes or above $\pm 7.5\%$

Physical Properties

Grade	T.S. MPa Min	Y.S. MPa Min	% age Elongation of Min
Fe330	330	195	20
Fe4410	410	235	18

Note:

These are preferred OD & Thickness other sizes not included may be supplied as specified by Purchaser.

ERW Steel Tubes for Water Wells Conforming to
IS: 4270/2011 Equivalent to BS:879 Plain Casing Pipes

N.B. of Pipe MM	Outside Diameter	Wall Thickness	Nominal Weight	
mm	mm	mm	Kg/m	m/tonne
100	114.3	5.0	13.48	74
125	141.3	5.0	16.80	59
150	168.3	5.0	20.13	50
175	193.7	5.4	25.10	40
200	219.1	5.4	28.46	35
250	273.1	7.1	46.57	21
300	323.9	7.1	55.47	18
350	355.6	8.0	68.57	14

Physical Properties

Grade	Y.S. (MIN) MPa (Kg/mm ²)	T.S. (MIN) Mpa (Kg/mm ²)	%age Elongation on 5.65/so=G.I.
YST-410	235	410	15
YST-450	275	450	13

There are preferred included OD and Thickness other sizes not include
may be supplied as specified by purchaser

Also Available : Internal Bead Free & Screwed &
Socketed Pipes

Steel Tubes for Water Wells (Casing Pipes) Conforming
to IS : 4270/2001

N.B. Size	Wall Thickness	Nominal Weight		Socket OD	Socket Length (Min)
mm	mm	Kg/m	M/tonne	mm	mm
100	5.4	14.5	69	130.00	114.3
125	5.4	18.1	55	157.00	120.6
	7.1	23.5	42.5		
150	5.4	21.6	46	184.00	127
	7.1	28.2	35.5		
175	6.4	29.6	34	211.60	152.4
	8.0	36.6	27		
200	6.4	33.6	30	237.00	152.4
	8.0	41.6	24		
250	8.0	52.3	19	291.00	177.8
	10.0	64.9	15		
300	8.0	62.3	16	346.00	177.8
	10.0	77.4	13		

Tolerances

- Outside Diameter $\pm 1.0\%$
- Thickness
Upto 406.4 mm OD
 $+15\%$
 -12.5%
- Weight
Single Tube
 $+10\%$
 -8%

Pipes Conforming To ASTM A -53 Gr A & B

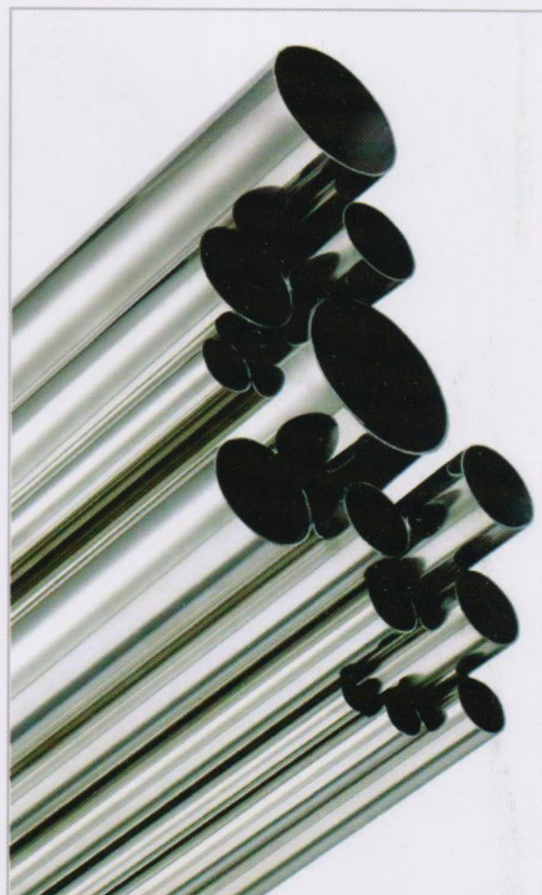
DN	Outside Diameter	Wall Thickness	Mass of Plain End Pipe	Test Pressure	
	mm	mm	Kg/mtr	Grade A Mpa	Grade B Mpa
15	21.3	2.27	1.27	4.8	4.8
20	26.7	2.87	1.69	4.8	4.8
25	33.4	3.38	2.5	4.8	4.8
32	42.2	3.56	3.39	8.3	9.0
40	48.3	3.68	4.05	8.3	9.0
50	60.3	3.91	5.44	15.9	17.2
65	73.0	5.16	8.63	17.2	17.2
80	88.9	5.49	11.29	15.3	17.2
90	101.6	5.74	13.57	14.0	16.3
100	114.3	6.02	16.07	13.1	15.2
125	141.3	6.55	21.77	11.5	13.4
150	168.3	7.11	28.26	10.5	12.3

Tolerances

Outside Diameter	Pipe size upto & including DN40 $\pm 0.4\text{mm}$
Pipe size DN 50 or larger	$\pm 1\%$
Thickness	-12.5% (max).
Weight	$\pm 10\%$

Galvanising

Minimum	490g/Sq Mtr
Average	550g/Sq Mtr







Steel Tubes Conforming to Din 2440

Nominal Size DN	Size in Inch	OD MM	Wall Thickness (mm)	Outside Diameter		Mass P.E. Tube (kg/mtr)	Mass Socked Tubes (kg/mtr)	Socket Confirming to DIN 2986	
				Min(mm)	Max(mm)			OD MM Min	Length MM Min
15	1/2	21.3	2.65	21.8	21.0	1.22	1.23	26.4	34.0
20	3/4	26.9	2.65	27.3	26.5	1.58	1.59	31.8	36.0
25	1	33.7	3.25	34.2	33.3	2.44	2.46	39.5	43.0
32	1 1/4	42.4	3.25	42.9	42.0	3.14	3.17	48.3	48.0
40	1 1/2	48.3	3.25	48.8	47.9	3.61	3.65	54.5	48.0
50	2	60.3	3.65	60.8	59.7	5.10	5.17	66.3	56.0
65	2 1/2	76.1	3.65	76.6	75.3	6.51	6.63	82.0	65.0
80	3	88.9	4.05	89.5	88.0	8.47	8.64	95.0	71.0
100	4	114.3	4.50	115.0	113.1	12.10	12.40	122.0	83.0
125	5	139.7	4.85	140.8	138.5	16.20	16.70	147.0	92.0
150	6	165.1	4.85	166.5	163.9	19.20	19.8	174.0	92.0

Material

St. 33-2 Confirming to DIN 17100

Galvanising in accordance with Din 2444

Tolerances

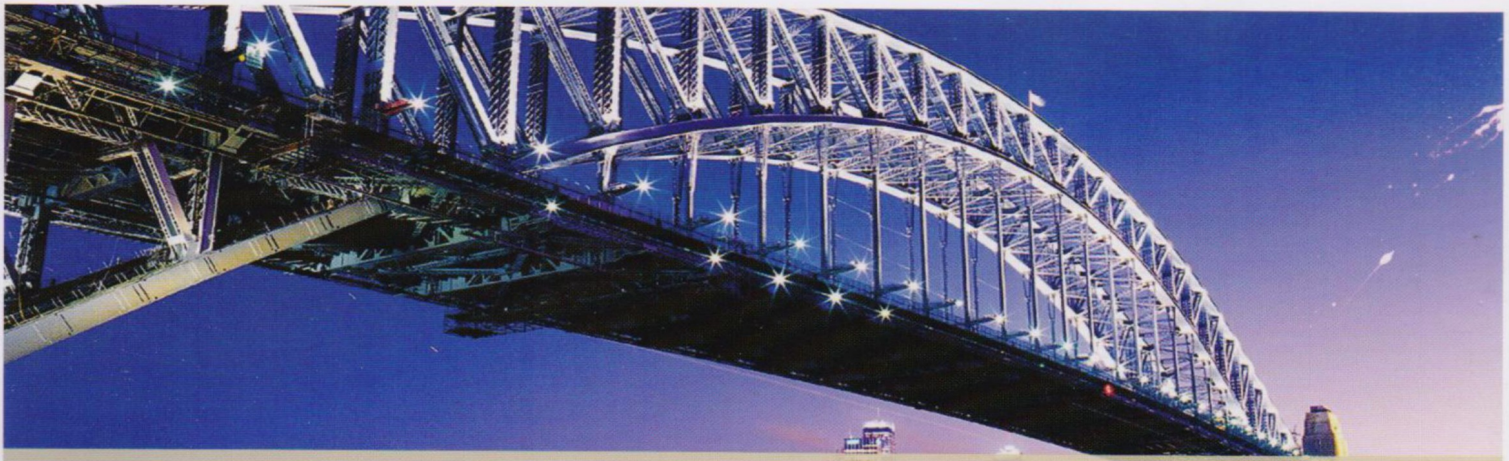
Wall Thickness -12.5%

Mass

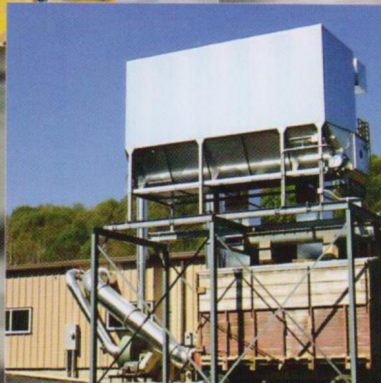
For single tube +/-10%

For ten tonne lot +/-7.5%

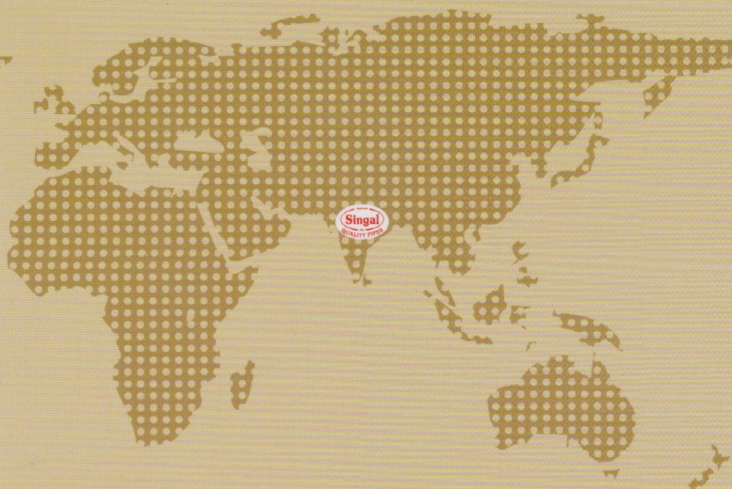




APPLICATIONS



Hon'ble President of India
Presenting "Niryat Shree" Award
to the Shri Pawan Singla, CMD.



The Choice of Builders, Architects,
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