

Product Range - ERW

I) Pipe Size Range	21.30 - 508.00mm OD
II) Galvanized Pipes	21.30 - 355.60mm OD
III) Boiler Tubes	33.40 - 355.60mm OD
IV) Oil Country Tubular Goods (OCTG)	
A) Size Range:	
Line Pipes	Plain End from 88.9 - 508.0mm OD Threaded & Coupled with API Round Threads from 88.90 - 323.90mm OD
Casing	From 114.3 - 244.48mm Outside Diameter Plain End / Threaded and Coupled with STC, LTC & BTC Threads
B) Grades:	
Line Pipes (API 5L)	Upto Gr. X-70 (PSL-1 and PSL-2)
Casing & Tubing (API 5CT)	J-55 and K-55
V) Sectional Pipes	
Square Hollow Sections	25 x 25 to 250 x 250mm
Rectangular Sections	50 x 25 to 300 x 200mm

DIMENSION AND WEIGHT (kg/m)

WALL THICKNESS (mm/inch)

Nominal pipe size	Outside Diameter		Wall Thickness (mm/inch)																																				
	Inch	mm	2.00	2.30	2.60	2.90	3.20	3.60	4.00	4.40	4.50	4.80	5.20	5.40	5.50	5.60	6.00	6.40	7.10	7.80	7.90	8.20	8.40	8.70	9.30	9.50	9.70	10.30	10.90	11.10	11.50	11.90	12.00	12.20	12.50	12.70			
1/2	15	0.840	0.079	0.090	0.102	0.114	0.126	0.142	0.157	0.173	0.177	0.188	0.205	0.213	0.216	0.220	0.236	0.250	0.280	0.307	0.311	0.323	0.330	0.342	0.366	0.375	0.382	0.406	0.429	0.437	0.453	0.467	0.472	0.480	0.492	0.500	-	-	
3/4	20	1.050	-	1.21	-	1.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	25	1.315	0.947	1.38	1.56	1.70	1.87	-	2.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/4	32	1.500	1.56	1.78	2.02	2.27	2.51	3.05	3.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	40	1.660	-	2.27	2.54	2.81	3.10	3.44	3.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	40	1.750	1.900	2.39	2.69	2.98	3.26	3.63	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	48	1.900	-	2.61	2.93	3.23	3.56	3.97	4.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	50	2.000	2.000	-	-	-	-	-	4.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	50	2.250	2.375	3.11	3.49	3.87	4.25	4.74	5.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	60	2.375	-	3.34	3.70	4.08	4.51	5.03	5.55	6.07	6.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 1/2	65	2.500	2.500	3.53	3.90	4.33	4.76	5.32	5.87	6.41	6.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	75	2.875	-	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	80	3.000	3.000	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3 1/2	90	3.500	3.500	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	100	4.000	4.000	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	114	4.500	4.500	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	127	5.000	5.000	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	139	5.500	5.500	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	153	5.563	5.563	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	150	6.000	6.000	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	165	6.500	6.500	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	180	7.625	7.625	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7	175	8.625	8.625	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8	200	8.625	8.625	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9	225	9.625	9.625	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	250	10.750	10.750	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	300	12.750	12.750	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	325	13.375	13.375	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	350	14.000	14.000	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	400	16.000	16.000	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	450	16.770	16.770	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18	450	18.000	18.000	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	500	20.000	20.000	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	500	20.866	20.866	-	-	-	-	-	6.81	7.44	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

ERW Pipes and Boiler Tubes (JPL Ghaziabad facility)

ERW Pipes (MSL Nagothane facility)

(W.T. For ERW Boiler Tubes)

Note: Other intermediate thickness can be manufactured as agreed.

BLACK & GALVANIZED

ERW STEEL TUBES CONFORMING TO IS:1239(Pt-I) EQUIVALENT TO BS:1387 & STRUCTURAL TUBES CONFORMING TO IS:1161

SERIES			LIGHT					MEDIUM					HEAVY				
NOMINAL BORE		O.D.	OUTSIDE DIA.		W.T.	WEIGHT		OUTSIDE DIA.		W.T.	WEIGHT		OUTSIDE DIA.		W.T.	WEIGHT	
INCH	mm	mm	MIN. (mm)	MAX. (mm)	mm	P/E Kg/m	S/S Kg/m	MIN. (mm)	MAX. (mm)	mm	P/E Kg/m	S/S Kg/m	MIN. (mm)	MAX. (mm)	mm	P/E Kg/m	S/S Kg/m
1/2	15	21.3	21.0	21.4	2.0	0.947	0.956	21.0	21.8	2.6	1.21	1.22	21.0	21.8	3.2	1.44	1.45
3/4	20	26.9	26.4	26.9	2.3	1.38	1.39	26.5	27.3	2.6	1.56	1.57	26.5	27.3	3.2	1.87	1.88
1	25	33.7	33.2	33.8	2.6	1.98	2.00	33.3	34.2	3.2	2.41	2.43	33.3	34.2	4.0	2.93	2.95
1 1/4	32	42.2	41.9	42.5	2.6	2.54	2.57	42.0	42.9	3.2	3.10	3.13	42.0	42.9	4.0	3.79	3.82
1 1/2	40	48.3	47.8	48.4	2.9	3.23	3.27	47.9	48.8	3.2	3.56	3.60	47.9	48.8	4.0	4.37	4.41
2	50	60.3	59.6	60.2	2.9	4.08	4.15	59.7	60.8	3.6	5.03	5.10	59.7	60.8	4.5	6.19	6.26
2 1/2	65	76.1	75.2	76.0	3.2	5.71	5.83	75.3	76.6	3.6	6.42	6.54	75.3	76.6	4.5	7.93	8.05
3	80	88.9	87.9	88.7	3.2	6.72	6.89	88.0	89.5	4.0	8.36	8.53	88.0	89.5	4.8	9.90	10.10
4	100	114.3	113.0	113.9	3.6	9.75	10.00	113.1	115.0	4.5	12.20	12.50	113.1	115.0	5.4	14.50	14.80
5	125	139.7	-	-	4.5	15.00	-	138.5	140.8	4.8	15.90	16.40	138.5	140.8	5.4	17.90	18.40
6	150	165.1	-	-	4.5	17.80	-	163.9	166.5	4.8	18.90	19.50	163.9	166.5	5.4	21.30	21.90
6	150	165.1	-	-	-	-	-	-	-	-	-	-	-	-	H2-5.9	23.20	-
6	150	165.1	-	-	-	-	-	-	-	-	-	-	-	-	H3-6.3	24.70	-
6	150	165.1	-	-	-	-	-	-	-	-	-	-	-	-	H4-8	31.00	-
6	150	168.3	-	-	4.5	18.20	-	-	-	4.8	19.40	-	-	-	H1-5.4	21.70	-
6	150	168.3	-	-	-	-	-	-	-	-	-	-	-	-	H2-6.3	25.20	-
6	150	168.3	-	-	-	-	-	-	-	-	-	-	-	-	H3-8	31.60	-
6	150	168.3	-	-	-	-	-	-	-	-	-	-	-	-	H4-10	39.00	-
7	175	193.7	-	-	4.8	22.40	-	-	-	5.4	25.10	-	-	-	5.9	27.30	-
7	175	193.7	-	-	-	-	-	-	-	-	-	-	-	-	H2-6.3	29.10	-
7	175	193.7	-	-	-	-	-	-	-	-	-	-	-	-	H3-8	36.60	-
7	175	193.7	-	-	-	-	-	-	-	-	-	-	-	-	H4-10	45.30	-
7	175	193.7	-	-	-	-	-	-	-	-	-	-	-	-	H5-12	53.80	-
8	200	219.1	-	-	4.8	25.40	-	-	-	5.6	29.50	-	-	-	5.9	31.00	-
8	200	219.1	-	-	-	-	-	-	-	-	-	-	-	-	H2-8	41.60	-
8	200	219.1	-	-	-	-	-	-	-	-	-	-	-	-	H3-10	51.60	-
8	200	219.1	-	-	-	-	-	-	-	-	-	-	-	-	H4-12	61.30	-
10	250	273.0	-	-	-	-	-	-	-	-	-	-	-	-	5.9	38.90	-
10	250	273.0	-	-	-	-	-	-	-	-	-	-	-	-	H2-8	52.30	-
10	250	273.0	-	-	-	-	-	-	-	-	-	-	-	-	H3-10	64.90	-
10	250	273.0	-	-	-	-	-	-	-	-	-	-	-	-	H4-12	77.20	-
12	300	323.9	-	-	-	-	-	-	-	-	-	-	-	-	6.3	49.30	-
12	300	323.9	-	-	-	-	-	-	-	-	-	-	-	-	H2-8	62.30	-
12	300	323.9	-	-	-	-	-	-	-	-	-	-	-	-	H3-10	77.40	-
12	300	323.9	-	-	-	-	-	-	-	-	-	-	-	-	H4-12	92.30	-
14	350	355.6	-	-	-	-	-	-	-	-	-	-	-	-	8.0	68.60	-
14	350	355.6	-	-	-	-	-	-	-	-	-	-	-	-	H2-10	85.20	-
14	350	355.6	-	-	-	-	-	-	-	-	-	-	-	-	H3-12	102.00	-

NOTE: (I) IS:1239 & BS:1387 cover sizes upto 100mm NB all series and 125 & 150mm NB medium & heavy series, plain end and screwed & socketed ends.
 (II) IS:1161 covers all sizes plain end only.
 (III) IS:1161 O.D. tolerance will be as per dimension tolerance clause. Above table min./max. O.D. applicable for IS:1239 only.
 (IV) Hydro Test Pressure - 5 MPa (IS:1161 hydro test not required.)

ERW PIPES FOR WATER & SEWAGE CONFORMING TO IS:3589 & WATER WELL CASING CONFORMING TO IS:4270

SIZE		CONVENTIONAL MASS PER UNIT LENGTH (Kg/m)																								
NB	OD	WALL THICKNESS (mm)																								
mm	mm	3.20	3.60	4.00	4.30	4.65	4.85	5.00	5.20	5.40	5.60	6.00	6.35	6.40	7.00	7.10	8.00	9.50	10.00	10.30	10.50	11.10	11.50	12.00	12.50	12.70
100	114.30	-	-	-	-	-	-	13.48	-	14.50	-	16.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125	141.30	-	-	-	-	-	-	16.81	-	18.10	-	20.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150	168.30	13.03	14.62	16.21	17.39	18.77	19.55	20.13	20.91	21.69	-	24.01	25.36	25.55	27.84	28.22	-	-	-	-	-	-	-	-	-	-
175	193.70	-	16.88	18.71	20.08	21.68	22.59	23.27	24.17	25.07	-	27.77	29.34	29.56	32.23	32.67	36.63	-	-	-	-	-	-	-	-	-
200	219.10	-	19.13	21.22	22.78	24.59	25.62	26.40	27.43	28.46	29.48	31.53	33.31	33.57	36.61	37.12	41.65	49.10	51.56	53.03	54.01	56.94	58.87	61.29	63.68	64.64
225.0	244.50	-	-	23.72	25.47	27.50	28.66	29.53	30.69	31.84	32.99	35.29	37.29	37.58	41.00	41.57	46.66	55.05	57.83	59.49	60.59	63.89	66.08	68.80	71.51	72.60
250	273.10	-	23.93	26.54	28.50	30.78	32.08	33.06	34.35	35.65	36.94	39.52	41.77	42.09	45.93	46.57	52.30	61.75	64.88	66.75	68.00	71.72	74.19	77.26	80.33	81.55
300	323.90	-	-	31.55	33.89	36.61	38.16	39.32	40.87	42.41	43.96	47.04	49.73	50.11	54.70	55.47	62.32	73.65	77.41	79.65	81.15	85.62	88.59	92.30	95.99	97.46
350	355.60	-	-	34.68	37.25	40.24	41.95	43.23	44.93	46.63	48.33	51.73	54.69	55.11	60.18	61.02	68.57	81.08	85.22	87.71	89.36	94.30	97.58	101.68	105.76	107.39
400	406.40	-	-	-	-	46.07	48.03	49.49	51.45	53.40	55.35	59.24	62.64	63.13	68.94	69.91	78.60	92.98	97.75	100.61	102.51	108.20	111.99	116.71	121.42	123.30
450	457.00	-	-	-	-	51.87	54.08	55.73	57.94	60.14	62.34	66.73	70.57	71.12	77.68	78.77	88.58	104.84	110.23	113.46	115.61	122.05	126.34	131.68	137.02	139.15
500	508.00	-	-	-	-	57.72	60.18	62.02	64.48	66.93	69.38	74.28	78.55	79.16	86.48	87.70	98.64	116.78	122.81	126.41	128.82	136.01	140.80	146.78	152.74	155.12

NOTE: (I) IS:4270 covers Pipe size 100mm to 500mm NB & IS:3589 covers Pipe size 168.30mm O.D. to 508.00mm O.D.
 (II) IS:4270 covers wall thickness upto 12 mm.
 (III) Other thickness may be supplied as per agreement.
 (IV) Max. Hydro Test Pressure IS:3589 - 5 MPa, IS:4270 - 7 MPa.

ERW BOILER, SUPER HEATER, HEAT EXCHANGER, CONDENSER & AIR HEATER TUBES & PIPES

Outside Diameter mm	Conforming to BS 3059 (Pt-I & II), ASTM A-178, A-214, A-333, IS:1914 (Pt-IV), IS:2416 (Pt-IV), IS:11714 (Pt-III)																									
	2.03	2.34	2.64	2.95	3.25	3.38	3.56	3.66	3.68	3.91	4.06	4.50	5.16	5.49	5.74	6.02	6.35	6.55	7.04	7.11	7.80	7.92	8.18	8.38	9.27	9.52
33.4/33.7	1.59	1.81	2.02	2.24	2.44	2.53	-	2.71	-	-	2.97	3.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38.0	1.80	2.06	2.30	2.55	2.79	-	-	3.10	-	-	3.40	3.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.2/42.4	-	2.31	2.59	2.87	3.14	-	3.41	3.50	-	-	3.84	4.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44.5	-	2.43	2.73	3.02	3.31	-	-	3.69	-	-	4.05	4.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48.3	-	2.65	2.97	3.30	3.61	-	-	4.03	4.05	-	4.43	4.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50.8	-	2.80	3.14	3.48	3.81	-	-	4.25	-	-	4.68	5.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57.2	-	-	3.55	3.95	4.32	-	-	4.83	-	-	5.32	5.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60.3	-	-	3.75	4.17	4.57	-	-	5.11	-	5.44	5.63	6.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63.5	-	-	3.96	4.40	4.83	-	-	5.40	-	-	5.95	6.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73.0	-	-	-	-	-	-	-	-	-	-	-	-	8.63	-	-	-	-	-	-	-	-	-	-	-	-	-
76.1	-	-	-	5.32	5.84	-	-	6.54	-	-	7.21	7.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-
88.9	-	-	-	-	6.86	-	-	7.69	-	-	8.49	9.37	-	11.29	-	-	-	-	-	-	-	-	-	-	-	-
101.6	-	-	-	-	-	-	-	8.84	-	-	9.77	10.78	-	-	13.57	-	-	-	-	-	-	-	-	-	-	-
114.3	-	-	-	-	-	-	-	-	-	-	11.04	12.18	-	-	-	16.07	-	-	-	-	-	-	-	-	-	-
127.0	-	-	-	-	-	-	-	-	-	-	-	13.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-
141.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.77	-	-	-	-	-	-	-	-
168.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.26	-	-	-	-	-	-
219.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.31	-	36.81	-	-	-	-	42.55	-	-
273.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.75	-	-	-	51.01	-	-	-	60.29	-
323.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.71	-	-	-	-	-	-	65.18	-	73.78
355.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.69	-	-	-	-	-	67.90	-	-	81.25

Note :Hydrostatic Test / NDT Test, as per specification requirements.

Product Range - Seamless

- I) Hot Finished Pipes and Tubes
 - Carbon & Alloy Steel:
 - Outside Diameter (OD) 26mm - 508.0mm
 - Wall Thickness (WT) 2.8mm - 40mm
- II) Cold Pilgered / Cold Drawn Tubes
 - Carbon & Alloy Steel:
 - Outside Diameter (OD) 10mm - 101mm
 - Wall Thickness (WT) 1mm - 10mm
- III) OIL Country Tubular Goods (OCTG)
 - A) Size Range
 - Line Pipes
 - Plain End Upto 20" (508 mm) Outside Diameter
 - Threaded and Coupled with API Line
 - Pipe threads upto 12" (323.9 mm) Outside Diameter
 - Casing
 - Upto 13³/₈" (339.72 mm) Outside Diameter Plain End / Threaded and Coupled with STC, LTC & BTC Threads
 - Tubing
 - NUE / EUE upto 4¹/₂" Outside Diameter Plain End or Threaded & Coupled with API Round Threads
 - Drill Pipes
 - Internal Upset (IU)
 - 3¹/₂" to 4¹/₂"
 - External Upset (EU)
 - 2⁷/₈" to 4¹/₂"
 - Internal - External Upset (IEU)
 - 4¹/₂" to 5"
 - B) Grades
 - Line Pipes (API - 5L) All Grades upto X-70 / X-70Q
 - Casing & Tubing (API 5CT)

Yield Strength (ksi)	40	55	65	80	90	95	110	125
Group 1	H 40	J 55 K 55		N 80				
Group 2			M 65	L 80	C 90	R 95 T 95	C 110	
Group 3							P 110	
Group 4								Q125

- Proprietary Grades
 - High Collapse Casing
 - MAHA HC L80
 - MAHA HC P110
- Drill Pipes (API 5DP) Gr. E, X,G,S
- Sour Service NACE (MR - 0175)

ASTM SCHEDULED SIZES

DIMENSION AND WEIGHT															
Nominal Pipe Size mm/inch	OD mm	SCHEDULE WALL THICKNESS (mm) / WEIGHT (kg/m)													
		Sch 5	Sch 10	Sch 20	Sch 30	STD	Sch 40	XS	Sch 60	Sch 80	Sch 100	Sch 120	Sch 140	Sch 160	XXS
6	10.3	-	1.24	-	-	1.73	1.73	2.41	-	2.41	-	-	-	-	-
1/8		-	0.28	-	-	0.37	0.37	0.47	-	0.47	-	-	-	-	-
8	13.7	-	1.65	-	-	2.24	2.24	3.02	-	3.02	-	-	-	-	-
1/4		-	0.49	-	-	0.63	0.63	0.80	-	0.80	-	-	-	-	-
10	17.1	-	1.65	-	-	2.31	2.31	3.20	-	3.20	-	-	-	-	-
3/8		-	0.63	-	-	0.84	0.84	1.10	-	1.10	-	-	-	-	-
15	21.3	1.65	2.11	-	-	2.77	2.77	3.73	-	3.73	-	-	-	4.78	7.47
1/2		0.80	1.00	-	-	1.27	1.27	1.62	-	1.62	-	-	-	1.95	2.55
20	26.7	1.65	2.11	-	-	2.87	2.87	3.91	-	3.91	-	-	-	5.56	7.82
3/4		1.03	1.28	-	-	1.69	1.69	2.20	-	2.20	-	-	-	2.90	3.64
25	33.4	1.65	2.77	-	-	3.38	3.38	4.55	-	4.55	-	-	-	6.35	9.09
1		1.29	2.09	-	-	2.50	2.50	3.24	-	3.24	-	-	-	4.24	5.45
32	42.2	1.65	2.77	-	-	3.56	3.56	4.85	-	4.85	-	-	-	6.35	9.70
1 1/4		1.65	2.69	-	-	3.39	3.39	4.47	-	4.47	-	-	-	5.61	7.77
40	48.3	1.65	2.77	-	-	3.68	3.68	5.08	-	5.08	-	-	-	7.14	10.15
1 1/2		1.90	3.11	-	-	4.05	4.05	5.41	-	5.41	-	-	-	7.25	9.55
50	60.3	1.65	2.77	-	-	3.91	3.91	5.54	-	5.54	-	-	-	8.74	11.07
2		2.39	3.93	-	-	5.44	5.44	7.48	-	7.48	-	-	-	11.11	13.44
65	73.0	2.11	3.05	-	-	5.16	5.16	7.01	-	7.01	-	-	-	9.53	14.02
2 1/2		3.69	5.26	-	-	8.63	8.63	11.41	-	11.41	-	-	-	14.92	20.39
80	88.9	2.11	3.05	-	-	5.49	5.49	7.62	-	7.62	-	-	-	11.13	15.24
3		4.52	6.46	-	-	11.29	11.29	15.27	-	15.27	-	-	-	21.35	27.68
90	101.6	2.11	3.05	-	-	5.74	5.74	8.08	-	8.08	-	-	-	-	-
3 1/2		5.18	7.41	-	-	13.57	13.57	18.64	-	18.64	-	-	-	-	-
100	114.3	2.11	3.05	-	-	6.02	6.02	8.56	-	8.56	-	11.13	-	13.49	17.12
4		5.84	8.37	-	-	16.08	16.08	22.32	-	22.32	-	28.32	-	33.54	41.03
125	141.3	2.77	3.40	-	-	6.55	6.55	9.53	-	9.53	-	12.70	-	15.88	19.05
5		9.46	11.56	-	-	21.77	21.77	30.97	-	30.97	-	40.28	-	49.12	57.43
150	168.30	2.77	3.40	-	-	7.11	7.11	10.97	-	10.97	-	14.27	-	18.26	21.95
6		11.31	13.83	-	-	28.26	28.26	42.56	-	42.56	-	54.21	-	67.57	79.22
200	219.10	-	-	6.35	7.04	8.18	8.18	12.70	10.31	12.70	15.09	18.26	20.62	23.01	22.23
8		-	-	33.32	36.82	42.55	42.55	64.64	53.09	64.64	75.92	90.44	100.93	111.27	107.93
250	273.00	3.40	4.19	6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
10		22.61	27.78	41.76	51.01	60.29	60.29	81.53	81.53	95.98	114.71	133.01	155.10	172.27	155.10
300	323.80	-	-	-	8.38	9.53	10.31	12.70	14.27	17.48	21.44	25.40	28.58	33.32	25.40
12		-	-	-	65.19	73.86	79.71	97.44	108.93	132.05	159.87	186.92	208.08	238.69	186.92
350	355.60	-	-	-	9.53	9.53	11.13	12.70	15.09	19.05	23.83	27.79	31.75	35.71	-
14		-	-	-	81.33	81.33	94.55	107.40	126.72	158.11	194.98	224.66	253.58	281.72	-
400	406.40	-	-	-	9.53	9.53	12.70	12.70	16.66	21.44	-	-	-	-	-
16		-	-	-	93.27	93.27	123.31	123.31	160.12	203.54	-	-	-	-	-
450	457.00	-	-	9.53	11.13	9.53	14.27	12.70	19.05	23.83	-	-	-	-	-
18		-	-	105.17	122.38	105.17	155.81	139.16	205.75	254.57	-	-	-	-	-
500	508.00	-	-	9.53	12.70	9.53	15.09	12.70	20.62	26.19	-	-	-	-	-
20		-	-	117.15	155.13	117.15	183.43	155.13	247.84	311.19	-	-	-	-	-

NOTE : Special sizes made to order.

BOILER AND HEAT-EXCHANGER TUBES

Outside Diameter		Wall Thickness																
		16 swg	15 swg	14 swg	13 swg	12 swg	11 swg	10 swg	9 swg	8 swg	7 swg	6 swg	5 swg	4 swg	1/4"	5/16"	3/8"	1/2"
		1.63 mm	1.83 mm	2.03 mm	2.34 mm	2.64 mm	2.95 mm	3.25 mm	3.66 mm	4.06 mm	4.47 mm	4.88 mm	5.39 mm	5.89 mm	6.35 mm	7.94 mm	9.53 mm	12.7 mm
In	mm	Weight with nominal thk (kg/mtr)																
		Weight with minimum thk (kg/mtr)																
0.75	19.05	0.70	0.78	0.85	0.96	1.07	1.17	1.27										
		0.74	0.82	0.89	1.01	1.12	1.23	1.33										
1.00	25.40	0.96	1.06	1.17	1.33	1.48	1.63	1.78										
		1.00	1.12	1.23	1.40	1.56	1.71	1.86										
1.25	31.75				1.70	1.90	2.10	2.28	2.54	2.77								
					1.78	1.99	2.20	2.40	2.66	2.91								
1.50	38.10							2.79	3.11	3.41	3.71	4.00	4.35	4.68	4.97			
								3.07	3.42	3.75	4.08	4.40	4.57	4.91	5.22			
1.75	44.45							3.30	3.68	4.04	4.41	4.76	5.19	5.60	5.97			
								3.63	4.05	4.45	4.85	5.24	5.71	5.88	6.26			
2.00	50.80							3.81	4.25	4.68	5.11	5.53	6.04	6.52	6.96			
								4.19	4.68	5.15	5.62	6.08	6.64	7.18	7.66			
2.25	57.15							4.32	4.83	5.32	5.81	6.29	6.88	7.45	7.96	9.64		
								4.75	5.31	5.85	6.39	6.92	7.57	8.19	8.75	10.60		
2.50	63.50							4.83	5.40	5.95	6.51	7.05	7.72	8.37	8.95	10.88	12.68	
								5.31	5.94	6.55	7.16	7.76	8.50	9.21	9.84	11.97	13.95	
2.75	69.85							5.34	5.97	6.59	7.21	7.82	8.57	9.29	9.94	12.12	14.18	
								5.87	6.57	7.25	7.93	8.60	9.43	10.22	10.94	13.34	15.59	
3.00	76.20							5.85	6.55	7.22	7.91	8.58	9.41	10.21	10.94	13.37	15.67	
								6.43	7.20	7.95	8.70	9.44	10.35	11.23	12.03	14.70	17.24	
3.25	82.55							6.36	7.12	7.86	8.61	9.35	10.26	11.14	11.93	14.61	17.16	
								6.99	7.83	8.64	9.47	10.28	11.28	12.25	13.13	16.07	18.88	
3.50	88.90							6.86	7.69	8.49	9.31	10.11	11.10	12.06	12.93	15.85	18.65	
								7.55	8.46	9.34	10.24	11.12	12.21	13.26	14.22	17.44	20.52	
3.75	95.25									9.13	10.01	10.88	11.94	12.98	13.92	17.10	20.15	
										10.04	11.01	11.96	13.14	14.28	15.31	18.81	22.16	
4.00	101.60									9.77	10.71	11.64	12.79	13.90	14.92	18.34	21.64	
										10.74	11.78	12.80	14.07	15.29	16.41	20.17	23.80	
4.25	107.95									10.40	11.41	12.40	13.63	14.82	15.91	19.58	23.13	29.83
										11.44	12.55	13.64	15.00	16.31	17.50	21.54	25.44	32.82
4.50	114.30									11.04	12.11	13.17	14.48	15.75	16.91	20.83	24.62	31.82
										12.14	13.32	14.49	15.92	17.32	18.60	22.91	27.09	35.00
4.75	120.65									11.67	12.81	13.93	15.32	16.67	17.90	22.07	26.12	33.81
										12.84	14.09	15.33	16.85	18.34	19.69	24.28	28.73	37.19
5.00	127.00									12.31	13.51	14.70	16.17	17.59	18.89	23.31	27.61	35.80
										13.54	14.86	16.17	17.78	19.35	20.78	25.64	30.37	39.38
5.25	133.35									12.95	14.21	15.46	17.01	18.51	19.89	24.56	29.10	37.79
										14.24	15.63	17.01	18.71	20.37	21.88	27.01	32.01	41.57
5.50	139.70												17.85	19.44	20.88	25.80	30.59	39.78
													19.64	21.38	22.97	28.38	33.65	43.75
6.00	152.40												19.54	21.28	22.87	28.29	33.58	43.75
													21.50	23.41	25.16	31.12	36.94	48.13
6.50	165.10												21.23	23.13	24.86	30.77	36.56	47.73
													23.35	25.44	27.35	33.85	40.22	52.51

NOTE : Special sizes made to orders.

Authorized Dealer



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