

ADITYA INTERTRADE PVT. LTD. PANKAJ TRADING CORPORATION



SINGLE SOURCE FOR PIPES & TUBES



1402, Lodha Supremus, Opp. Kamala Mills Compound, Senapati Bapat Marg, Lower Parel (W), Mumbai 400013.

Tel : +91-22-2492 2500 / 01 / 02 / 03 | Fax : +91-22-2492 2504

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AUTHORISED STOCKIST / INTERNATIONAL DISTRIBUTOR / AGENT

- ❖ TATA STEEL
- ❖ INDIAN SEAMLESS METAL TUBES LIMITED
- ❖ MAHARASHTRA SEAMLESS LIMITED

Available Ex-stock with Excise Invoice
Works Test Certificate
IBR Test Certificate In Form IIIA/IIIB

* Carbon steel seamless Pipes	ASTM A 106 Grade B	* Low Temperature seamless Pipes	ASTM 333 Grade 6
* Carbon steel seamless boiler tubes	BS/3059/Part II/CDS/360 BS/3059/Part II/HFS/360	* Low Temperature seamless Tubes	ASTM 334 Grade 1
* Seamless boiler tubes	ASTM 210-A-1/DIN 17175/ST 35-8	* Heat Exchange Tube	ASTM A 179/AST MA214
* ERW boiler tubes	BS/3059/Part I ERW-320	* API Line Pipes	API 5 L Grade B
* CDW boiler tubes IBR	BS/3059/Part I CEW-320	* M S E R W Pipes	IS. 1239 Part 1
* Alloy steel seamless Pipes	ASTM 335-P-1, P-5, P-11, P-22, P-9	* Hot Deep Galvanised Pipes	IS. 1239 Part 1
* Alloy steel seamless Tubes	ASTM 213- T-11, T-22 ASTM 209 T-1 DIN 17175 Grade 3 15 MO3 ASTM 200 P-4, P5, P11, P22, P-7, P-9 ASTM 199 P-4, P5, P-11, P-22, P-7, P-9	* Big diameter ERW Pipes	IS.3589 / 330 or 410
		* M. S. Square & Rectangular Section	ISS 4923/ASTM-A500
		* M. S. General Engineering Tubes	B55/1775, IS 3074 ISS 4711, ISS 3601
		* ERW Air heater Tubes	BS/6323-V-ERW

Range : OD 1.63 mm To 610 mm & IN WALL THICKNESS 0.700 To 50.8 mm



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 Carbon Alloys Steel Pipe Dimensions with weight test Pressure according to ANSI B36.10

For ASTM A53/A 106/A333/A335/Specification

Nominal Size		Outside Diameter		Wall Thickness		Class	Sched No.	Nominal Weight			Test Pressure min.					
											Butt Welded		Grade A		Grade B	
in	mm	in	mm	in	mm			lb/ft	kg/ft	kg/m	psi	kg/cm2	psi	kg/cm2	psi	kg/cm2
1/8	6	405	10.3	.068	1.7	std	40	0.24	0.11	0.36	700	49.2	700	49.2	700	49.2
				.095	2.4	xs	80	0.31	0.14	0.47	850	59.8	850	59.8	850	59.8
1/4	8	0.540	13.7	.088	2.2	std	40	0.42	0.19	0.63	700	49.2	700	49.2	700	49.2
				.119	3.0	xs	80	0.54	0.24	0.80	850	59.8	850	59.8	850	59.8
3/8	10	0.675	17.1	.091	2.3	std	40	0.57	0.26	0.84	700	49.2	700	49.2	700	49.2
				.126	3.2	xs	80	0.74	0.34	1.10	850	59.8	850	59.8	850	59.8
1/2	15	0.840	21.3	.109	2.8	std	40	0.85	0.39	1.27	700	49.2	700	49.2	700	49.2
				.147	3.7	xs	80	1.09	0.49	1.62	850	59.8	850	59.8	850	59.8
				.188	4.78	--	160	1.31	0.60	1.95	1000	70.3	1000	70.3	1000	70.3
				.294	7.5	xxs	--	1.71	0.78	2.55	1000	70.3	1000	70.3	1000	70.3
3/4	20	1.050	26.7	.113	2.9	std	40	1.13	0.51	1.69	700	49.2	700	49.2	700	49.2
				.154	3.9	xs	80	1.47	0.67	2.20	850	59.8	850	59.8	850	59.8
				.218	5.56	--	160	1.94	0.88	2.90	1000	70.3	1000	70.3	1000	70.3
				.308	7.8	xxs	--	2.44	1.11	3.63	1000	70.3	1000	70.3	1000	70.3
1	25	1.315	33.4	.133	3.4	std	40	1.68	0.76	2.50	700	49.2	700	49.2	700	49.2
				.179	4.5	xs	80	2.17	0.98	3.23	850	59.8	850	59.8	850	59.8
				.250	6.35	--	160	2.84	1.29	4.23	1000	70.3	1000	70.3	1000	70.3
				.358	9.1	xxs	--	3.66	1.66	5.45	1000	70.3	1000	70.3	1000	70.3
1 1/4	32	1.660	42.2	.140	3.6	std	40	2.27	1.03	3.38	1000	70.3	1000	70.3	1000	70.3
				.191	4.9	xs	80	3.00	1.36	4.47	1300	91.4	1500	105.5	1500	125
				.250	6.35	--	160	3.76	1.71	5.60	1400	98.4	1800	126.6	1800	133.6
				.382	9.7	xxs	--	5.21	2.36	7.76	1400	98.4	1800	126.6	1800	133.6
1 1/2	40	1.900	48.3	.145	3.7	std	40	2.72	1.23	4.05	1000	70.3	1000	70.3	1000	70.3
				.200	5.1	xs	80	3.63	1.65	5.41	1300	91.4	1500	105.5	1600	105.5
				.281	7.1	--	160	4.85	2.20	7.24	1400	98.4	1800	126.6	1900	126.6
				.400	10.2	xxs	--	6.41	2.91	9.55	1400	98.4	1800	126.6	1900	126.6
2	50	2.375	60.3	.154	3.9	std	40	3.65	1.66	5.44	1000	70.3	2300	161.7	2500	175.8
				.218	5.5	xs	80	5.02	2.28	7.48	1300	91.4	2500	175.8	2500	175.8
				.344	8.7	--	160	7.46	3.38	11.11	--	--	2500	175.8	2500	175.8
				.436	11.1	xxs	--	9.03	4.10	13.45	1400	98.4	2500	175.8	2500	175.8
2 1/2	65	2.875	73.0	.203	5.2	std	40	5.79	2.63	8.62	1000	70.3	2500	175.8	2500	175.8
				.276	7.0	xs	80	7.66	3.47	11.41	1300	91.4	2500	175.8	2500	175.8
				.375	9.5	--	160	10.01	4.54	14.91	1400	98.4	2500	175.8	2500	175.8
				.552	14.0	xxs	--	13.70	6.21	20.39	1400	98.4	2500	175.8	2500	175.8
3	80	3.500	88.9	.188	4.8	--	--	6.63	3.01	9.87	1000	70.3	--	--	--	--
				.216	5.5	std	40	7.58	3.44	11.41	1000	70.3	2200	154.7	2500	175.8
				.300	7.6	xs	80	10.25	4.65	15.27	1300	94.4	2500	175.8	2500	175.8
				.438	11.1	-	160	14.31	6.489	21.33	--	--	2500	175.8	2500	175.8
3 1/2	90	4.000	101.6	.600	15.2	xxs	--	18.58	8.13	27.67	--	--	2500	175.8	2500	175.8
				.188	4.8	--	--	7.63	3.46	11.35	1200	84.4	--	--	--	--
				.226	5.7	std	40	9.11	4.13	13.57	1200	84.4	2000	140.6	2400	168.7
				.318	8.1	xs	80	12.51	5.67	18.63	1700	119.5	2800	169.9	2800	196.9
4	100	4.500	114.3	.156	4.0	--	--	7.25	3.29	10.79	1000	70.3	--	--	--	--
				.188	4.8	--	--	8.64	3.92	12.86	1200	84.4	--	--	--	--
				.219	5.6	--	--	10.00	4.54	14.88	1200	84.4	--	--	--	--
				.237	6.0	std	40	10.79	4.89	16.07	1200	84.4	1900	133.6	2200	154.7
				.337	8.6	xs	80	14.98	6.79	22.31	1700	119.5	2700	189.8	2800	196.9
				.438	11.1	--	120	18.98	8.61	28.30	--	--	2800	196.9	2800	196.9
				.531	13.5	--	160	22.52	10.21	33.53	--	--	2800	196.9	2800	196.9
				.674	17.7	xxs	--	27.54	12.49	41.02	--	--	2800	196.9	2800	196.9
5	125	5.563	141.3	.258	6.6	std	40	14.62	6.63	21.78	--	--	1700	119.5	1900	133.6
				.375	9.5	xs	80	20.78	9.43	30.95	--	--	2400	168.7	2800	196.9
				.500	12.7	--	120	27.04	12.27	40.28	--	--	2800	196.9	2800	196.9
				.625	15.9	--	160	32.96	14.95	49.09	--	--	2800	196.9	2800	196.9
6	150	6.625	168.3	.750	19.00	xxs	--	38.55	17.49	57.42	--	--	2800	196.9	2800	196.9
				.280	7.11	std	40	18.97	8.60	28.26	--	--	1500	105.5	1800	126.6
				.432	11.0	xs	80	28.57	12.96	42.56	--	--	2300	161.7	2700	189.8
				.562	14.43	--	120	36.42	16.52	54.20	--	--	2800	196.9	2800	196.9
8	200	8.625	219.1	.719	18.3	--	160	45.34	20.57	67.55	--	--	2800	196.9	2800	196.9
				.864	21.9	xxs	--	53.16	24.11	79.18	--	--	2800	196.9	2800	196.9
				.250	6.4	--	20	22.36	10.14	33.31	--	--	1000	70.3	1200	84.4
				.277	7.04	--	30	24.70	11.70	36.79	--	--	1200	84.4	1300	91.4
				.322	8.18	std	40	28.55	12.95	42.53	--	--	1300	91.4	1600	112.5
				.406	10.3	--	60	35.66	16.18	53.09	--	--	1700	119.5	2000	140.6
8	200	8.625	219.1	.500	12.7	xs	80	43.39	19.68	64.63	--	--	2100	147.7	2400	168.7
				.594	15.1	--	100	50.93	23.10	75.89	--	--	2500	175.8	2800	196.9
				.719	18.3	--	120	60.69	27.53	90.43	--	--	2800	196.9	2800	196.9
				.812	20.6	--	140	67.79	30.75	100.93	--	--	2800	196.9	2800	196.9
				.875	22.2	xxs	--	72.42	32.85	107.87	--	--	2800	196.9	2800	196.9
				.906	23.0	--	160	74.71	33.89	111.25	--	--	2800	196.9	2800	196.9
				1.100	28.00	--	--	88.65	59.98	131.95	--	--	2500	196.9	2800	196.9
				1.260	32.00	--	--	95.16	64.38	141.64	--	--	2500	196.9	2800	196.9
				1.417	36.00	--	--	109.21	73.89	162.55	--	--	2500	196.9	2800	196.9
				1.574	40.00	--	--	118.69	80.30	176.6	--	--	2500	196.9	2800	196.9

Nominal Size		Outside Diameter		Wall Thickness		Class	Sched No.	Nominal Weight			Test Pressure min.					
											Butt Welded		Grade A		Grade B	
in	mm	in	mm	in	mm			lb/ft	kg/ft	kg/m	psi	kg/cm2	psi	kg/cm2	psi	kg/cm2
10	250	10.750	273.0	.250	6.4	-	20	28.04	12.72	41.77	-	-	850	59.6	1000	70.3
				.279	7.1	-	-	31.20	14.15	46.43	-	-	950	66.8	1100	77.3
				.307	7.8	-	30	34.24	15.53	51.00	-	-	1000	70.3	1200	84.4
				.365	9.3	std	40	40.48	18.36	60.29	-	-	1200	84.4	1400	98.4
				.500	12.7	xs	60	54.74	24.83	81.54	-	-	1700	119.5	2000	140.6
				.594	15.1	-	80	64.40	29.21	95.97	-	-	2000	140.6	2300	161.7
				.719	18.3	-	100	77.00	34.93	114.70	-	-	2400	168.7	2800	196.9
				.844	21.4	-	120	89.27	40.49	133.00	-	-	2800	196.9	2800	196.9
				1.00	25.4	xxs	140	104.13	47.23	155.10	-	-	2800	196.9	2800	196.9
				1.125	28.6	-	160	115.65	52.46	172.25	-	-	2800	196.9	2800	196.9
				-	32.00	-	-	127.75	86.45	190.18	-	-	2800	196.9	2800	196.9
				-	40.00	-	-	154.38	104.47	229.83	-	-	2800	196.9	2800	196.9
12	300	12.750	323.8	.250	6.4	-	20	33.28	15.14	49.72	-	-	700	49.2	800	59.2
				.330	8.4	-	30	43.77	19.85	65.20	-	-	950	66.8	1100	77.3
				.375	9.5	std	-	49.56	22.48	73.82	-	-	1100	77.3	1200	84.4
				.406	10.3	-	40	53.56	24.29	79.71	-	-	1100	77.3	1300	91.4
				.500	12.7	xs	-	65.42	29.67	97.44	-	-	1400	98.4	1600	112.5
				.562	14.3	-	60	73.22	33.21	108.96	-	-	1600	112.5	1900	133.6
				.668	17.5	-	80	88.57	40.17	132.01	-	-	1900	133.6	2300	161.7
				.844	21.4	-	100	107.29	48.67	159.85	-	-	2400	168.7	2800	196.9
				1.000	25.4	xxs	120	125.49	56.92	186.92	-	-	2800	196.9	2800	196.9
				1.125	28.6	-	140	139.68	63.36	208.04	-	-	2800	196.9	2800	196.9
				1.312	33.3	-	160	160.33	72.72	238.72	-	-	2800	196.9	2800	196.9
				-	40.00	-	-	188.04	125.25	279.94	-	-	2800	196.9	2800	196.9
14	350	14.000	355.6	.250	6.4	-	10	36.71	16.65	87.84	-	-	650	45.7	750	52.7
				.312	7.9	-	20	45.68	20.72	81.28	-	-	800	56.2	950	66.8
				.375	9.5	std	30	54.57	24.75	94.49	-	-	950	66.2	1100	77.3
				.438	11.1	-	40	63.37	28.74	107.38	-	-	1100	77.3	1300	91.4
				.500	12.7	xs	-	72.09	32.70	126.68	-	-	130	91.4	1300	105.5
				.594	15.1	-	60	85.01	38.56	158.08	-	-	1500	105.5	1500	126.6
				.750	19.0	-	80	106.13	48.14	224.60	-	-	1900	133.6	2800	161.7
				.938	23.8	-	100	130.79	59.33	253.53	-	-	2400	168.7	2800	196.9
				1.094	27.8	-	120	150.76	68.38	63.63	-	-	2800	196.9	2800	196.9
				1.250	31.8	-	140	170.22	77.21	77.86	-	-	2800	196.9	2800	196.9
				1.406	35.7	-	160	189.15	85.80	93.21	-	-	2800	196.9	2800	196.9
				-	40.00	-	-	209.11	141.50	311.31	-	-	2800	196.9	2800	196.9
16	400	16.000	406.4	.250	6.4	-	10	42.05	19.07	62.63	-	-	550	38.7	650	45.7
				.312	7.9	-	20	52.36	32.75	77.86	-	-	700	49.2	800	56.2
				.375	9.5	std	30	62.58	28.39	93.21	-	-	850	59.8	1000	70.3
				.500	12.7	xs	40	82.77	37.54	123.29	-	-	1100	77.3	1300	91.4
				.656	16.7	-	60	107.54	48.78	160.12	-	-	1500	105.5	1700	119.5
				.844	21.4	-	80	136.53	61.95	203.48	-	-	1900	133.6	2200	154.7
				1.031	26.2	-	100	164.86	74.78	245.50	-	-	2300	161.7	2700	189.8
				1.219	31.0	-	120	192.40	87.27	286.62	-	-	2700	189.8	2800	196.9
				1.438	36.5	-	140	223.57	101.41	332.11	-	-	2800	196.9	2800	196.9
				1.594	40.5	-	160	245.22	111.23	365.39	-	-	2800	196.9	2800	196.9
				-												
				18	450	18.000	457.0	.250	6.4	-	10	47.39	21.49	70.59	-	-
.312	7.9	-	20					59.03	26.76	87.79	-	-	650	45.70	800	56.1
.375	9.5	std	-					70.59	32.00	105.14	-	-	750	52.73	850	59.8
.437	11.1	-	30					82.06	37.00	122.36	-	-	850	59.80	1000	70.3
.500	12.7	xs	-					92.45	42.37	139.19	-	-	1000	70.30	1200	84.4
.562	14.3	-	40					104.75	47.55	156.91	-	-	1100	77.30	1300	91.4
.750	19.0	-	60					138.17	62.79	206.18	-	-	1500	105.51	1800	126.6
.937	23.8	-	80					170.75	77.42	254.59	-	-	1800	116.60	2300	161.7
1.156	29.4	-	100					207.96	94.48	310.76	-	-	2300	161.70	2800	196.9
1.375	34.9	-	120					244.14	110.7	363.65	-	-	2700	190.90	2800	196.9
1.562	39.7	-	140					274.73	124.4	408.45	-	-	2800	190.90	2800	196.9
1.781	45.2	-	160					308.51	139.9	459.51	-	-	2700	190.90	2800	196.9
20	500	20.000	508.00	.250	6.4	-	10	52.73	23.93	78.54	-	-	450	31.7	600	42.2
				.375	9.5	std	20	78.60	35.66	117.07	-	-	650	45.7	800	56.3
				.500	12.7	xs	30	104.13	47.24	155.10	-	-	900	63.3	1000	70.33
				.593	15.1	-	40	122.91	55.78	183.37	-	-	1050	73.8	1200	84.4
				.812	20.6	-	60	166.40	75.59	247.85	-	-	1400	98.4	1700	119.5
				1.031	26.2	-	80	208.87	94.79	311.00	-	-	1800	126.6	2000	140.6
				1.281	32.5	-	100	256.10	116.2	381.00	-	-	2300	161.7	2800	196.9
				1.500	38.0	-	120	296.37	134.4	441.00	-	-	2700	190.0	2800	196.9
22	550	22.000	559.00	.250	6.4	-	10	57.93	26.33	86.50	-	-	400	28.2	500	35.2
				.375	9.5	std	20	86.50	39.32	129.01	-	-	600	42.2	70	49.2
				.500	12.7	xs	30	114.66	52.12	171.01	-	-	800	56.2	900	63.3
				.875	22.2	-	60	197.14	89.61	294.0	-	-	1400	98.4	1500	105.5
				1.126	28.6	-	80	250.14	443.7	373.0	-	-	1800	76.7	2000	140.6
				1.374	34.9	-	100	302.50	137.5	451.0	-	-	2200	74.7	2600	182.3
				1.626	41.3	-	120	352.66	160.3	526.0	-	-	2600	182.82	2800	196.9
				1.874	47.6	-	140	402.38	183.9	600.0	-	-	2800	196.9	2800	196.9
24	600	24.000	610.0	.250	6.4	-	10	63.41	28.77	94.45	-	-	350	35.2	500	35.2
				.375	9.5	std	20	94.62	42.98	140.94	-	-	550	38.7	700	49.2
				.500	12.7	xs	-	125.49	57.00	186.92	-	-	700	49.2	800	56.3
				.552	14.3	-	30	140.80	64.00	209.54	-	-	800	70.3	1000	70.3
				.674	17.5	-	40	171.17	77.72	255.14	-	-	1000	84.36	1200	84.36
				.968	24.6	-	60	238.11	108.29	355.0	-	-	1400	98.4	1600	112.5
				1.218	31.0	-	80	296.36	134.4	441.0	-	-	1800	126.5	2000	140.6
				1.531	38.9	-	100	367.40	166.7	547.0	-	-	2200	154.6	2600	182.8
26	650	26.000	660.0	.250	6.4	-	10	68.88	31.17	100.00	-	-	300	30.0	400	30.0
				.375	9.5	std	20	103.32	47.30	150.00	-	-	500	35.2	600	35.2
				.500	12.7	xs	30	138.88	63.00	200.00	-	-	700	42.2	800	42.2
				.575	14.6	-	40	161.11	73.55	230.00	-	-	800	49.2	900	49.2
				.675	17.3	-	50	191.11	87.50	270.00	-	-	900	59.2	1000	59.2
				.800	20.3	-	60	228.89	103.90	310.00	-	-	1000	70.3	1100	70.3
				1.000	25.4	-	80	296.36	134.4	441.0	-	-	1200	84.4	1300	84.4
				1.250	31.8	-	100	367.40	166.7	547.0	-	-	1400	98.4	1500	105.5
28	700	28.000	711.0	.250	6.4	-	10	74.41	33.75	110.00	-	-	250	25.0	350	25.0
				.375	9.5	std	20	111.88	51.20	160.00	-	-	400	28.2	500	28.2
				.500	12.7	xs	30	148.89	68.00	210.00	-	-	550	35.2	650	35.2
				.575	14.6	-	40	171.11	77.72	255.14	-	-	650	42.2	750	42.2
				.675	17.3	-	50	191.11	87.50	270.00	-	-	750	49.2	850	49.2
				.800	20.3	-	60	228.89	103.90	310.00	-	-	850	59.2	950	59.2
				1.000	25.4	-	80	296.36	134.4	441.0	-	-	950	66.8	1050	66.8
				1.250	31.8	-	100	367.40	166.7	547.0	-	-	1050	73.8	1150	73.8
30	750	30.000	762.0	.250	6.4	-	10	80.41	36.75	120.00	-	-	200	20.0	300	20.0
				.375	9.5	std	20	121.33	55.50	180.00	-	-	300	20.0	400	20.0
				.500	12.7	xs	30	161.78	74.00	240.00	-	-	400	28.2	500	28.2
				.575	14.6	-	40	184.00	84.00	270.00	-	-	500	35.2	600	35.2
				.675	17.3	-	50	216.00	99.00	300.00	-	-	600	42.2	700	42.2
				.800	20.3	-	60	256.00	117.00	350.00	-	-	700			



ADITYA INTERTRADE PVT. LTD. PANKAJ TRADING CORPORATION

1402, Lodha Supremus, Opp. Kamala Mills Compound, Senapati Bapat Marg, Lower Parel (W), Mumbai 400013. Tel : +91-22-2492 2500 / 01 / 02 / 03 Fax : +91-22-2492 2504 Email : adityain@vsnl.com / sales@pankajtrading.in

Carbon Alloys Steel Pipe Dimensions with weight test Pressure according to ANSI B36.10

For ASTM A53/A 106/A333/A335/Specification

POPULAR STANDARDS AND SPECIFICATIONS

QUALITY		CHEMICAL ANALYSIS									MECHANICAL PROPERTIES			SPECIFIC REQUIREMENT
											TENSILE STRENGTH	YIELD STRESS	ELONGATION IN	
SMLS	WELED	SPECIFICATION	WT	C %	Mn %	P% MAX	S% MAX	Si%	Cr%	Mo%	MP a	MP a	50 mm MIN LONGITUDINAL	
*	*	ASTM A53/A	AW	0.25 MAX	0.95 MAX	0.050	0.060	-	-	-	331 MIN	207 MIN	36	-
*	*	ASTM A53/B	AW	0.30 MAX	0.120 MAX	0.050	0.060	-	-	-	413 MIN	240 MIN	29.5	-
*	-	ASTM A106/A	AW	0.25 MAX	0.27-0.93	0.025	0.025	0.10 MIN	0.40 MAX	0.15 MAX	330 MIN	205 MIN	35/28	CR MO CU NI VA
*	-	ASTM A106/B	AW	0.30 MAX	0.29-0.93	0.025	0.025	0.10 MIN	0.40 MAX	0.15 MAX	415 MIN	240 MIN	30/22	.40 .15 .40 .40 .08
*	-	ASTM A106/C	AW	0.35 MAX	0.29-1.06	0.025	0.025	0.10 MIN	0.40 MAX	0.15 MAX	485 MIN	275 MIN	30/22	FIVE ELEMENTS NOT TO EXCEED 1%
*	-	ASTM A179	MW	0.06-0.18	0.27-0.63	0.048	0.048	-	-	-	325 MIN	180 MIN	35.0	HARDNESS 72 HRB MAX
-	*	ASTM A 214	MW	0.18 MAX	0.27-0.63	0.050	0.050	-	-	-	385 MIN	180 MIN	35.0	HARDNESS 72 HRB MAX
*	-	ASTM A 192	MW	0.06-0.18	0.27-0.63	0.048	0.048	0.25 MAX	-	-	325 MIN	180 MIN	35.0	HARDNESS 77HRB MAX
*	-	ASTM A209/T1	MW	0.10-0.20	0.30-0.80	0.045	0.045	0.10-0.50	-	0.44-0.65	380 MIN	205 MIN	30/22	HARDNESS 80 HRB
*	-	ASTMA209/Ta	MW	0.15-0.25	0.30-0.80	0.045	0.045	0.10-0.50	-	0.44-0.65	365 MIN	195 MIN	30/22	HARDNESS 81HRB MAX
*	-	ASTM A209/T1B	MW	0.14 MAX	0.30-0.80	0.045	0.045	0.10-0.50	-	0.44-0.65	415 MIN	220 MIN	30/22	HARDNESS 77HRB MAX
*	-	ASTM A210/A-1	MW	0.27 MAX	0.93 MAX	0.048	0.058	0.10 MIN	-	-	415 MIN	255 MIN	30/22	HARDNESS 79HRB MAX
*	-	ASTM A210/C	MW	0.35 MAX	0.29-1.06	0.048	0.058	0.10 MIN	-	-	485 MIN	275 MIN	30/22	HARDNESS 89HRB MAX
*	-	ASTM A213/T2	MW	0.10-0.20	0.30-0.61	0.045	0.045	0.10-0.30	0.50-0.81	0.44-0.65	415 MIN	205 MIN	30/22	HARDNESS 85HRB MAX
*	-	ASTM A213/T5	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50 MAX	4.00-6.00	0.44-0.65	415 MIN	205 MIN	30/22	HARDNESS 85HRB MAX
*	-	ASTM A213/T11	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50-1.00	1.00-1.50	0.44-0.65	415 MIN	205 MIN	30/22	HARDNESS 85 HRB MAX
*	-	ASTM A213/T12	MW	0.15 MAX	0.30-0.61	0.045	0.045	0.50 MAX	0.80-1.25	0.44-0.65	415 MIN	205 MIN	30/22	HARDNESS 85HRB MAX
*	-	ASTM A213/T-22	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50 MAX	1.90-2.60	0.87-1.13	415 MIN	205 MIN	30/22	HARDNESS 85HRB MAX
*	*	ASTM A333/1	AW	0.30 MAX	0.40-1.06	0.025	0.025	-	-	-	380 MIN	205 MIN	25/20	IMPACT TEST -50 F 40 X 10 J14
*	*	ASTM A333/6	AW	0.30 MAX	0.29-1.06	0.025	0.025	0.10 MIN	-	-	415 MIN	240 MIN	30/18	IMPACT TEST -50 F 40 X 10 J14
*	*	ASTM A 334/1	MW	0.30 MAX	0.40-1.06	0.025	0.025	-	-	-	380 MIN	205 MIN	35/28	-50 F 40 X 10 J14 85 HRB MAX
*	*	ASTM A334/6	MW	0.30 MAX	0.29-1.06	0.025	0.025	0.10 MIN	-	-	415 MIN	240 MIN	30/22	-50 F 40 X 10 J14 85 HRB MAX
*	-	ASTM A335/P1	AW	0.10-0.20	0.30-0.80	0.025	0.025	0.10-0.50	-	0.44-0.65	380 MIN	205 MIN	30	-
*	-	ASTM A335/P-2	AW	0.10-0.20	0.30-0.61	0.025	0.025	0.10-0.30	0.50-0.81	0.44-0.65	380 MIN	205 MIN	30	-
*	-	ASTM A335/P5	AW	0.15 MAX	0.30-0.60	0.025	0.025	0.50 MAX	4.00-0.65	0.44-0.65	415 MIN	205 MIN	30	-
*	-	ASTM A335/P11	AW	0.15 MAX	0.30-0.60	0.025	0.025	0.50-1.00	1.00-1.50	0.44-0.65	415 MIN	205 MIN	30	-
*	-	ASTM 1335/P12	AW	0.15 MAX	0.30-0.61	0.025	0.025	0.50 MAX	0.80-1.25	0.44-0.65	415 MIN	205 MIN	30	-
*	-	ASTM A335/P22	AW	0.15 MAX	0.30-0.61	0.025	0.025	0.50 MAX	1.90-2.60	0.87-1.13	415 MIN	205 MIN	30	-
*	*	BS/3059/90/Part/320		0.15 MAX	0.30-0.70	0.050	0.050	-	-	-	324-441	186 MIN	25	-
*	*	BS/3059/90/PartII/360		0.15 MAX	0.40-0.70	0.050	0.050	0.10-0.35	-	-	324-441	186 MIN	21	-
*	-	BS/3059/90/PartIII/440		0.12-0.18	0.90-1.20	0.035	0.035	0.10-0.35	-	-	441-560	245 MIN	22	-
*	-	BS/3059/90/Part/620		0.10-0.15	0.40-0.70	0.040	0.040	0.10-0.35	0.70-1.10	0.45-0.65	441-618	235 MIN	22	-
*	-	DIN17175/ST35.8		0.17 MAX	0.40 MIN	0.040	0.040	0.35 MAX	-	-	340-441	235 MIN	25	-
*	-	DIN/17175/ST45.8		0.22 MAX	0.45 MIN	0.040	0.040	0.10-0.35	-	-	441-540	255 MIN	25	-
*	-	DIN/17175/15M03		0.12-0.20	0.50-0.80	0.040	0.040	0.10-0.35	-	0.25-0.35	441-540	284 MIN	21	-
*	-	DIN1717513CrMo44		0.10-0.18	0.40-0.70	0.040	0.040	0.10-0.35	0.70-1.00	0.40-0.50	441-570	294 MIN	22	-
*	-	DIN1717510CRM910		0.15 MAX	0.40-0.60	0.040	0.040	0.15-0.50	2.0-2.5	0.9-1.10	441-570	294 MIN	22	-
*	-	ASTM A199/T5	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50 MAX	4.00-6.00	0.45-0.65	415 MIN	170 MIN	30/22	HARDNESS 85 HRB MAX
*	-	ASTM A199/T11	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50-1.00	1.00-1.50	0.44-0.65	415 MIN	170 MIN	30/22	HARDNESS85 HRB MAX
*	-	ASTM A 199/T22	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50 MAX	1.90-2.60	0.87-1.13	415 MIN	170 MIN	30/22	HARDNESS 85 HRB MAX
*	-	ASTM A 199/T4	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50-1.00	2.15-2.85	0.45-0.65	415 MIN	170 MIN	30/22	HARDNESS 85 HRB MAX
*	-	ASTM A 199/T7	MW	0.15 MAX	0.030-0.060	0.030	0.030	0.50-1.00	6.00-8.00	0.45-0.65	415 MIN	170 MIN	30/22	HARDNESS 85 HRB MAX
*	-	ASTM A 200/T5	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50-1.00	4.00-6.00	0.45-0.65	415 MIN	170 MIN	30/22	HARDNESS 85 HRB MAX
*	-	ASTM A 204/T11	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50 MAX	1.00-1.50	0.44-0.65	415 MIN	205 MIN	30/22	HARDNESS 85 HRB MAX
*	-	ASTM A 200/T22	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50-1.00	1.90-2.60	0.87-1.13	415 MIN	205 MIN	30/22	HARDNESS 85 HRB MAX
*	-	ASTM A 200/T4	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50 MAX	2.15-2.85	0.44-0.65	415 MIN	205 MIN	30/22	HARDNESS 85 HRB MAX
*	-	ASTM A 200.T7	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.50-1.00	6.00-8.00	0.44-0.65	415 MIN	170 MIN	30/22	HARDNESS 85 HRB MAX
*	-	ASTM A 199/T9	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.25-1.00	8.00-10.0	0.90-1.10	415 MIN	170 MIN	30/22	HARDNESS 85 HRB MAX
*	-	ASTM A 200/T9	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.25-1.00	8.0-10.0	0.90-1.10	415 MIN	170 MIN	30/22	HARDNESS 89 HRB MAX
*	-	ASTM A 213/T9	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.25-1.00	8.00-10.0	0.90-1.10	415 MIN	170 MIN	30/22	HARDNESS 89 HRB MAX
*	-	ASTM A 335/P9	MW	0.15 MAX	0.30-0.60	0.030	0.030	0.25-1.00	8.00-10.0	0.90-1.10	415 MIN	172 MIN	30/22	-
-	*	ASTM A 178/A	MW	0.06-0.18	0.27-0.63	0.050	0.050	0.50-1.00	-	-	325 MIN	172 MIN	30/22	-
-	*	ASTM A 178/C	MW	0.35 MAX	0.80 MAX	0.050	0.050	-	-	-	415 MIN	180 MIN	35	-
-	*	ASTM A 178/D	MW	0.27 MAX	1.0-1.5	0.030	0.030	0.10 MIN	-	-	485 MIN	255 MIN	30	-



AVAILABLE EX-STOCK				SEAMLESS TUBE								SIZE & WEIGHT KG/METER							
Outside Dia in mm/in W.T. in Swg/mm		3.175 1/8"	4.76 3/16"	6.35 1/4"	7.94 5/16"	9.53 3/8"	11.10 7/16"	12.7 1/2"	14.29 9/16"	15.88 5/8"	19.05 3/4"	22.22 7/8"	25.4 1"	31.15 1 1/4"	38.10 1 1/2"	44.5 1 3/4"	50.8 2"		
22 SWG	0.71	.043	.071	.099	.127	.155	--	--	--	--	--	--	--	--	--	--	--		
20 SWG	0.91	.051	.086	.122	.158	.193	.229	.265	.300	.336	.407	.478	.550	0.690	0.83	0.98	1.12		
19 SWG	1.02	--	.094	.134	.174	.215	--	.293	--	.374	.453	.532	.612	0.770	0.73	1.09	1.25		
18 SWG	1.22	--	.107	.154	.202	.250	--	.345	--	.441	.526	.632	.728	0.920	1.11	1.30	1.49		
16 SWG	1.63	--	--	.190	.254	.318	--	.445	--	.573	.700	.828	.952	1.210	1.47	1.72	1.98		
14 SWG	2.03	--	--	.216	.296	.375	--	.534	--	.693	.852	1.011	1.17	1.490	1.81	2.13	2.44		

AVAILABLE EX-STOCK				SEAMLESS TUBE								SIZE & WEIGHT KG/METER							
Outside Dia in mm/in Wall thickness in swg		19.05 3/4"	25.4" 1"	31.75 1 1/2"	34.95 1 3/8"	38.10 1 1/2"	44.5 1 3/4"	50.80 2"	57.15 2 1/4"	63.50 2 1/2"	69.85 2 3/4"	76.1 3"	82.5 3 1/4"	88.9 3 1/2"	101.60 4"	108.00 4 1/4"			
14 SWG	2.03	0.850	1.170	1.448	1.636	1.805	2.123	2.440	2.759	3.077	--	--	--	--	--	--			
12 SWG	2.64	1.068	1.481	1.894	--	2.308	--	3.134	--	--	--	--	--	--	--	10.3			
11 SWG	2.95	1.171	1.633	2.095	2.328	2.557	3.012	3.473	3.094	4.405	4.867	5.329	--	--	--	11.5			
10 SWG	3.25	1.266	1.774	2.283	2.537	2.791	3.299	3.808	4.317	4.826	5.333	5.842	6.36	6.86	7.86	12.5			
9 SWG	3.66	--	1.962	2.531	2.817	3.102	3.675	4.820	4.820	5.391	5.964	6.535	7.12	7.69	8.84	13.7			
8 SWG	4.08	--	2.134	2.772	3.043	3.408	4.05	--	--	5.950	6.586	7.221	7.86	8.40	9.77	15.80			
7 SWG	4.47	--	2.305	3.004	3.354	3.704	4.40	5.800	5.800	6.500	7.199	7.898	8.660	9.37	10.8	19.70			
6 SWG	4.88	--	2.466	3.227	3.610	3.991	4.75	6.379	6.379	7.043	7.805	8.568	9.380	10.20	11.7	23.10			
5 SWG	5.38	--	2.655	3.497	3.918	4.339	5.18	6.866	6.866	7.708	8.550	9.390	10.30	11.10	12.8	29.85			
1/4"	6.35	--	2.980	3.900	4.480	4.930	5.940	7.880	7.880	8.890	9.900	10.80	11.80	12.80	14.80	15.80			
5/16"	7.94	--	--	4.700	5.290	5.290	6.480	9.670	9.670	10.90	12.20	13.40	14.70	16.00	18.50	19.70			
3/8"	9.53	--	--	--	5.970	6.710	9.720	11.20	11.20	12.18	14.18	15.60	17.10	18.60	21.60	23.10			
1/2"	12.70	--	--	--	--	--	--	--	--	15.91	17.85	19.88	21.86	23.86	27.80	29.8			

Outside Dia in mm/in swg		114.3 4 1/2"	12700 5"	133.70 5 1/4"	139.70 5 1/2"	152.40 6"	165.10 6 1/2"	177.80 7"	190.5 7 1/2"	193.70 7 5/8"	203.20 8"	229 9"	232 9 1/8"	244.5 9 5/8"	254.0 10"	304.8 12"
8 SWG	4.08	10.90	--	--	13.40	--	--	--	--	--	--	--	--	--	--	--
7 SWG	4.47	12.20	13.60	--	14.30	15.00	16.40	--	--	--	--	--	--	--	--	--
6 SWG	4.88	13.20	14.80	15.50	16.30	17.80	19.40	--	--	--	--	--	--	--	--	--
5 SWG	5.38	14.50	16.20	17.00	17.90	19.60	21.30	--	--	26.00	--	--	--	--	--	--
1/4"	6.35	16.80	18.80	19.70	20.70	22.70	24.70	26.77	28.84	29.34	30.82	--	--	37.29	--	--
5/16"	7.94	21.00	23.50	24.70	26.00	28.50	31.00	33.28	35.88	36.50	--	--	--	47.67	--	--
3/8"	9.53	24.60	27.50	28.90	30.50	33.50	36.50	41.37	42.48	43.26	--	--	--	55.29	--	--
1/2"	12.70	31.82	35.30	--	39.20	43.10	47.00	51.55	55.68	56.70	59.66	67.74	68.68	72.60	75.57	91.48
3/4"	19.05	44.75	50.60	--	56.60	62.50	68.50	74.34	80.54	--	86.50	96.63	--	105.66	110.50	134.24
7/8"	22.22	--	--	--	--	--	--	--	--	82.04	--	--	--	121.80	--	--
1"	25.40	55.68	62.90	--	70.70	78.50	86.40	--	--	--	11.40	127.28	129.41	137.24	143.19	175.24
1 1/4"	31.70	--	--	--	--	--	--	--	--	--	--	--	--	165.46	--	--
	35.00	--	--	--	--	--	--	--	--	--	--	--	--	180.82	--	--

AVAILABLE EX-STOCK				MILD STEEL PIPES								CONFORM TO IS 1239 - [Part I] 1990							
Nominal bore		Outside diameter		Thickness		Light Weight		Medium Thickness		weight		Heavy Thickness		weight					
In Inch	In MM	In	MM	In	MM	Kg/m		In	mm	Kg/mtr		In	MM	Kg/Mtr					
1/8"	6 mm	0.406	10.32	0.72	1.80	0.361		0.80	2.00	0.407		0.104	2.65	.493					
1/4"	8 mm	0.532	13.49	.072	1.80	0.517		0.90	2.35	.650		.116	2.90	.769					
3/8"	10 mm	0.872	17.10	.072	1.80	.674		.092	2.35	.852		.116	2.90	1.02					
1/2"	15 mm	0.844	21.43	.080	2.00	.952		.104	2.65	1.122		.128	3.25	1.45					
3/4"	20 mm	1.094	27.20	.092	2.35	1.410		.104	2.65	1.580		.128	3.25	1.09					
1"	25 mm	1.312	33.80	.104	2.65	2.010		.128	3.25	2.440		.160	4.05	2.97					
1 1/4"	32 mm	1.656	42.90	.104	2.65	2.580		.128	3.25	3.140		.160	4.05	3.84					
1 1/2"	40 mm	1.906	48.40	.116	2.90	3.250		.128	3.25	3.610		.160	4.05	4.43					
2"	50 mm	2.375	60.30	.116	2.90	4.110		.144	3.65	5.100		.176	4.47	6.17					
2 1/2"	65 mm	3.004	76.20	.126	3.25	5.840		.144	3.65	6.610		.176	4.47	7.90					
3"	80 mm	3.500	88.90	.128	3.25	6.810		.160	4.05	8.470		.192	4.85	10.1					
4"	100 mm	4.500	114.30	.144	3.65	9.890		.176	4.50	12.10		.212	5.42	14.4					
5"	125 mm	5.500	139.70	--	--	--		.192	4.85	16.20		.212	5.42	17.8					
6"	150 mm	6.500	165.10	--	--	--		.192	4.85	19.20		.212	5.40	21.2					

AVAILABLE EX-STOCK				BIG DIAMETER ERW PIPES								CONFORM TO IS 3589-1991							
Wall Thickness in mm	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore	Nominal Bore			
	7" NB 193.7 mm OD	8" NB 219.1 mm OD	10" NB 273 mm OD	12" NB 223.7 mm OD	14" NB 355.6 mm OD	16" NB 406.4 mm OD	18" NB 457 mm OD	20" NB 508 mm OD	21" NB 533.40 mm OD										
	Kg/mtr	Kg/mtr	Kg/mt	Kg/mtr	Kg/mt	Kg/mt	Kg/mt	Kg/mt	Kg/mt										
4.85	22.59	25.62	32.07	38.13	41.93	--	--	--	--										
5.20	24.17	27.43	34.34	40.84	--	--	--	--	--										
5.60	26.00	29.28	36.93	43.93	48.11	--	--	--	--										
6.00	27.88	31.53	39.50	47.02	51.49	61.00	69.00	74.28	78.04										
6.35	29.34	33.28	41.73	49.67	54.43	62.35	70.50	75.80	82.53										
7.01	32.27	36.76	46.76	55.45	61.82	69.04	--	--	--										
7.94	--	41.00	50.95	61.85	67.98	77.92	87.80	--	102.89										
8.18	--	42.56	53.42	65.12	--	--	--	100.82	--										
9.53	--	51.50	60.24	73.75	81.21	93.13	105.00	117.00	123.11										
12.7	--	--	--	--	107.28	123.30	139.00	155.00	163.07										



ADITYA INTERTRADE PVT. LTD.
PANKAJ TRADING CORPORATION

1402, Lodha Supremus, Opp. Kamala Mills Compound, Senapati Bapat Marg, Lower Parel (W), Mumbai 400013. Tel : +91-22-2492 2500 / 01 / 02 / 03 Fax : +91-22-2492 2504 Email : adityain@vsnl.com / sales@pankajtrading.in

**E.R.W. / CDW HEAT EXCHANGER TUBE CONFORM TO ASTM 214 WITH NDT TEST
UNDER THIRD PARTY INSPECTION.**

Sr. No.	Outside Diameter		Wall Thickness		Weight KG/MTR	Sr. No.	Outside Diameter		Wall Thickness		Weight KG/MTR
	MM.	In	Gauge	MM.			MM.	In	Gauge	MM.	
1.	15.88	5/8"	16 SWG.	1.63 MIN	0.602	15.	25.4	1"	14 Swg.	2.03 MIN.	1.229
2.	15.88	5/8"	16 Bwg.	1.65 MIN	0.608	16.	25.4	1"	14 BWG.	2.11 MIN.	1.272
3.	15.88	5/8"	14 SWG.	2.03 MIN	0.728	17.	25.4	1"	12 SWG	2.64 MIN.	1.555
4.	15.88	5/8"	14 BWG.	2.11 MIN	0.752	18.	25.4	1"	12 BWG	2.77 MIN.	1.623
5.	19.05	3/4"	16 SWG.	1.63 MIN	0.735	19.	25.4	1"	10 SWG	3.25 MIN.	1.863
6.	19.05	3/4"	16 BWG.	1.65 MIN	0.744	20.	25.4	1"	10 BWG	3.40 MIN.	1.94
7.	19.05	3/4"	14 SWG.	2.03 MIN	0.895	21.	31.75	1 1/4"	16 SWG	1.63 MIN.	1.267
8.	19.05	3/4"	14 BWG.	2.11 MIN	0.926	22.	31.75	1 1/4"	16 BWG	1.65 MIN.	1.271
9.	19.05	3/4"	12 SWG.	2.64 MIN	1.121	23.	31.75	1 1/4"	14 SWG	2.03 MIN.	1.520
10.	19.05	3/4"	12 BWG.	2.77 MIN	1.168	24.	31.75	1 1/4"	14 BWG	2.11 MIN.	1.619
11.	19.05	3/4"	12 SWG.	3.25 MIN	1.330	25.	31.75	1 1/4"	12 SWG	2.65 MIN.	1.989
12.	19.05	3/4"	10 SWG.	3.40 MIN	1.378	26.	31.75	1 1/4"	12 BWG	2.77 MIN.	2.079
13.	25.4	1"	16 SWG.	1.63 MIN	1.00	27.	31.75	1 1/4"	10 SWG	3.25 MIN.	2.397
14.	25.4	1"	16 BWG.	1.65 MIN	1.02	28.	31.75	1 1/4"	10 BWG	3.40 MIN.	2.495

**HIGH PRESSURE HIGH TEMPERATURE SERVICE ERW/CDW PIPE
ACC TO NORM ASTM A 53 WITH I.B.R. TEST CERTIFICATE FORM IIIA**

Sr. No	NB In	NB MM	Sch No.	Outside Dimer mm	W.T. In mm	Weight kg/Mtr	Sr. No.	NB in	NB mm	Sch No.	Outside Diameter mm.	W.T. mm	Weight Kg/mtr
1.	1/2	15	40	21.3	2.77	1.27	9	1 1/2	40	40	48.3	3.68	4.05
2.	1/2	15	80	21.3	3.73	1.62	10	1 1/2	40	80	48.3	5.08	5.41
3.	3/4	20	40	26.7	2.87	1.69	11	2	50	80	60.3	3.91	5.44
4.	3/4	20	80	26.7	3.91	2.20	12	2	50	80	60.3	5.54	7.48
5.	1	25	40	33.4	3.38	2.50	13	2 1/2	65	40	73.0	5.16	8.63
6.	1	25	80	33.4	4.55	3.24	14	3	80	40	88.9	5.49	11.29
7.	1 1/4	32	40	42.2	3.56	3.35	15	3 1/2	90	40	101.6	5.74	13.57
8.	1 1/4	32	80	42.2	4.85	4.47	16	4	100	40	114.3	6.02	16.07

AVAILABLE EX-STOCK ERW BOILDER TUBE BS/3059/PART1/1978 ERW 320 WITH I.B.R. IN FORM III B

Outside Diameter	Wall Thickness	25.4 1"	31.75 1 1/4"	34.95 1 3/8"	38.10 1 1/2"	44.5 1 3/4"	50.80 2"	57.15 2 1/4"	63.50 2 1/2"	69.85 2 3/4"	76.1 3"	82.5 3 1/4"	88.9 3 1/2"	101.60 4"
14 Swg.	2.03	1.170	1.448	1.648	1.805	2.123	2.440	2.759	3.077	--	--	--	--	--
12 Swg.	2.64	1.481	1.894	--	2.308	--	3.134	--	--	--	--	--	--	--
11 Swg.	2.95	--	--	--	--	3.012	3.473	3.934	--	--	--	--	--	--
10 Swg.	3.25	1.774	2.283	2.537	2.791	3.299	3.808	4.317	4.826	5.333	5.842	6.36	6.86	7.88
9 Swg.	3.66	--	2.531	2.817	3.102	3.675	4.247	4.820	5.391	5.964	6.535	7.12	7.69	8.84
8 Swg.	4.08	--	--	--	3.408	4.05	4.678	--	5.950	6.586	7.221	7.86	8.49	9.77
7 Swg.	4.47	--	--	--	--	--	5.102	5.800	6.500	7.199	7.898	8.660	9.37	10.8
6 Swg.	4.88	--	--	--	3.991	4.754	5.516	6.279	7.043	7.805	8.568	9.380	10.20	11.7
5 Swg.	5.38	--	--	--	--	--	--	6.866	7.708	8.550	9.390	10.30	11.10	12.8
	5.50	--	--	--	--	--	--	7.01	7.87	8.73	9.590	10.45	11.31	13.01

E.R.W. PRECISION STEEL TUBES CONFORM TO BS 980 ERW-1/ IS 3074 ERW - 1/ BSS 1775 / IS 3601 / IS - 7138

Outside Diameter	Wall Thickness	15.88 5/8"	19.05 3/4"	22.22 7/8"	25.4 1"	31.75 1 1/4"	38.10 1 1/2"	44.45 1 3/4"	50.8 2"	57.15 2 1/4"	63.50 2 1/2"	69.85 2 3/4"	76.1 3"	88.9 3 1/2"	101.6 4"	114.3 4 1/2"
20 Swg.	0.91	0.336	0.407	0.478	0.550	0.690	0.83	0.98	1.12	--	--	--	--	--	--	--
19 Swg.	1.01	0.374	0.453	0.532	0.612	0.770	0.93	1.09	1.25	--	--	--	--	--	--	--
18 Swg.	1.22	0.441	0.526	0.632	0.728	0.920	1.11	1.30	1.49	1.68	--	--	--	--	--	--
16 Swg.	1.63	0.573	0.700	0.828	0.952	1.210	1.47	1.72	1.98	2.23	2.49	2.74	3.00	--	--	--
14 Swg.	2.03	0.693	0.852	1.011	1.170	1.490	1.81	2.13	2.44	2.76	3.08	3.40	3.71	4.35	4.98	5.62
12 Swg.	2.64	--	--	1.275	1.481	1.894	2.308	2.72	3.134	3.54	3.96	4.37	4.78	5.61	6.44	7.27
11 Swg.	2.95	--	--	--	--	2.095	2.557	3.012	3.473	3.934	4.405	4.867	5.329	6.25	7.18	8.10
10 Swg.	3.25	--	--	--	--	2.283	2.791	3.299	3.808	4.317	4.826	5.333	5.842	6.86	7.86	8.90
9 Swg.	3.66	--	--	--	--	--	3.102	3.67	4.25	4.820	5.391	5.964	6.535	7.69	8.84	9.99
8 Swg.	4.06	--	--	--	--	--	--	--	4.68	5.31	5.950	6.584	7.221	8.40	9.77	10.90
7 Swg.	4.47	--	--	--	--	--	--	--	--	--	6.500	--	7.898	9.37	10.8	12.20
6 Swg.	4.88	--	--	--	--	--	--	--	--	--	7.043	--	8.568	10.20	11.70	13.20
5 Swg.	5.38	--	--	--	--	--	--	--	--	--	7.708	--	9.390	11.10	12.80	14.50
--	5.50	--	--	--	--	--	--	--	--	--	7.87	--	9.590	11.32	13.01	14.76
--	6.00	--	--	--	--	--	--	--	--	--	--	--	--	12.27	14.14	16.02