

Technical Data of ERW Pipes Confirming to ASTM A-53 Gr. A & B						
Size NB		OD (MM)	Schedule	Wall Thickness	Nominal Weight	
					Plain End	
in MM	in Inch			MM	KG/M	Mtr/Ton
15 mm	1/2 Inch	21.3	40	2.77	1.27	790
			80	3.73	1.62	619
20 mm	3/4 Inch	26.7	40	2.87	1.69	593
			80	3.91	2.20	455
25 mm	1 Inch	33.4	40	3.38	2.50	400
			80	4.55	3.24	309
32 mm	1 1/4 Inch	42.2	40	3.56	3.39	295
			80	4.85	4.47	224
40 mm	1 1/2 Inch	48.3	40	3.68	4.05	247
			80	5.08	5.41	185
50 mm	2 Inch	60.3	40	3.91	5.44	184
			80	5.54	7.48	134
65 mm	2 1/2 Inch	73.0	40	5.16	8.63	116
			80	7.01	11.41	88
80 mm	3 Inch	88.9	40	5.49	11.29	89
			80	7.62	15.27	65
90 mm	3 1/2 Inch	101.6	40	5.74	13.57	74
			80	8.08	18.64	54
100 mm	4 Inch	114.3	40	6.02	16.08	62
			80	8.56	22.32	45
125 mm	5 Inch	141.3	40	6.55	21.77	46
			80	9.53	30.97	32
150 mm	6 Inch	168.3	40	7.11	28.26	35
			80	10.97	42.56	23
200 mm	8 Inch	219.1	20	6.35	33.32	30
			30	7.04	36.82	27
			40	8.18	42.55	24
			60	10.31	53.09	19
			80	12.70	64.64	15
250 mm	10 Inch	273.1	20	6.35	41.77	24
			30	7.80	51.03	20
			40	9.27	60.31	17
			60	12.70	81.56	12
			80	15.09	96.02	10
300 mm	12 Inch	323.9	20	6.35	49.73	20
			30	8.38	65.21	15
			40	10.31	79.73	13
			60	14.27	108.96	9
			80	17.48	132.09	8

350 mm	14 Inch	355.6	10	6.35	54.69	18
			20	7.92	67.91	15
			30	9.52	81.25	12
			40	11.13	94.55	11
			60	15.09	126.72	8
400 mm	16 Inch	406.4	10	6.35	62.65	16
			20	7.92	77.83	13
			30	9.53	93.27	11
			40	12.70	123.31	8
			60	16.66	160.13	6
450 mm	18 Inch	457.0	10	6.35	70.57	14
			20	7.92	87.71	11
			30	11.13	122.38	8
			40	14.27	155.81	6
			60	19.05	205.75	5
500 mm	20 Inch	508.0	10	6.35	78.56	13
			20	9.53	117.15	9
			30	12.70	155.13	6
			40	15.09	183.43	5
			60	20.62	247.84	4

Tolerance		
A. Outside Diameter of Pipe	Size upto 40 mm	+ 1/64" - 1/32"
	50 mm and Above	+ 1% - 1%
B. Wall Thickness		- 12.50% (Max)
C. Weight		+ 10% - 10%

Physical Properties			
Grade	Tensile Strength (Min) Mpa	Yield Stress (Min) Mpa	% Elongation (Min)
Grade A	330	205	As Per Table 4.1,4.2
Grade B	415	240	