

Metric	Imp.	OD	10	20	30	STD	40	60	XS	80	100	120	140	160	XXS	
6	1/8	10.3	(Wall Thickness)			1.73	1.73		2.41	2.41						
			(Weight Kg/m)			0.37	0.37		0.47	0.47						
8	1/4	13.7				2.24	2.24		3.02	3.02						
						0.63	0.63		0.80	0.80						
10	3/8	17.1				2.31	2.31		3.20	3.20						
						0.84	0.84		1.10	1.10						
15	1/2	21.3				2.77	2.77		3.73	3.73				4.78	7.47	
						1.27	1.27		1.62	1.62					1.95	2.55
20	3/4	26.7				2.87	2.87		3.91	3.91				5.56	7.82	
						1.69	1.69		2.20	2.20					2.90	3.64
25	1	33.4				3.38	3.38		4.55	4.55				6.35	9.09	
						2.50	2.50		3.24	3.24					4.24	5.45
32	1 1/4	42.2				3.56	3.56		4.85	4.85				6.35	9.70	
						3.39	3.39		4.47	4.47					5.61	7.77
40	1 1/2	48.3				3.68	3.68		5.08	5.08				7.14	10.15	
						4.05	4.05		5.41	5.41					7.25	9.56
50	2	60.3				3.91	3.91		5.54	5.54				8.74	11.07	
						5.44	5.44		7.48	7.48					11.11	13.44
65	2 1/2	73.0				5.16	5.16		7.01	7.01				9.53	14.02	
						8.63	8.63		11.41	11.41					14.92	20.39
80	3	88.9				5.49	5.49		7.62	7.62				11.13	15.24	
						11.29	11.29		15.27	15.27					21.35	27.68
90	3 1/2	101.6				5.74	5.74		8.06	8.08				-	-	
						13.57	13.57		18.63	18.63					-	-
100	4	114.3				6.02	6.02		8.56	8.56		11.13		13.49	17.12	
						16.07	16.07		22.32	22.32		28.32		33.54	41.03	
125	5	141.3				6.55	6.55		9.53	9.53		12.70		15.88	19.05	
						21.77	21.77		30.97	30.97		40.28		49.11	57.43	
150	6	168.3				7.11	7.11		10.97	10.97		14.27		18.26	21.95	
						28.26	28.26		42.56	42.56		54.20		67.56	79.22	
200	8	219.1	6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	20.62	23.01	22.23		
			33.31	36.81	42.55	42.55	53.08	64.64	64.64	75.92	90.44	100.92	111.27	107.92		
250	10	273.1	6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40		
			41.77	51.03	60.31	60.31	81.55	81.55	96.01	114.75	133.06	155.15	172.33	155.15		
300	12	323.9	6.35	8.38	9.53	10.31	14.27	12.70	17.48	21.44	25.40	28.58	33.32	25.40		
			49.73	65.20	73.88	79.73	108.96	97.46	132.08	159.91	186.97	208.14	238.76	186.97		
350	14	355.6	6.35	7.92	9.53	9.53	11.13	15.09	12.70	19.05	23.83	27.79	31.75	35.71		
			54.69	67.90	81.33	81.33	94.55	126.71	107.39	158.10	194.96	224.65	253.56	281.70		
400	16	406.4	6.35	7.92	9.53	9.53	12.70	16.66	12.70	21.44	26.19	30.96	36.53	40.49		
			62.64	77.83	93.27	93.27	123.30	160.12	123.30	203.53	245.56	286.64	333.19	365.35		
450	18	457.0	6.35	7.92	11.13	9.53	14.27	19.05	12.70	23.88	29.36	34.93	39.67	45.24		
			70.57	87.71	122.38	105.16	155.80	205.74	139.15	254.55	309.62	363.56	408.26	459.37		
500	20	508.0	6.35	9.53	12.70	9.53	15.09	20.62	12.70	26.19	32.54	38.10	44.45	50.01		
			78.55	117.15	155.12	117.15	183.42	247.83	155.12	311.17	381.53	441.49	508.11	564.81		
550	22	559.0	6.35	9.53	12.70	9.53	-	22.23	12.70	28.68	34.93	41.28	47.63	53.98		
			86.54	129.13	171.09	129.13	-	294.25	171.09	373.83	451.42	527.02	600.63	672.26		
600	24	610.0	6.35	9.53	14.27	9.53	17.48	24.61	12.70	30.96	38.89	46.02	52.37	59.54		
			94.53	141.12	209.64	141.12	255.41	355.26	187.06	442.08	547.71	640.03	720.15	808.22		
650	26	660.0	7.92	12.70	-	9.53	-	-	12.70	-	-	-	-	-		
			127.36	202.72	-	152.87	-	-	-	202.72	-	-	-	-	-	
700	28	711.0	7.92	12.70	15.88	9.53	-	-	12.70	-	-	-	-	-		
			137.32	218.69	271.21	164.85	-	-	-	218.69	-	-	-	-	-	
750	30	762.0	7.92	12.70	15.88	9.53	-	-	12.70	-	-	-	-	-		
			147.28	234.67	292.18	176.84	-	-	-	234.67	-	-	-	-	-	
800	32	813.0	7.92	12.70	15.88	9.53	17.48	-	12.70	-	-	-	-	-		
			157.24	250.64	312.15	188.82	342.91	-	-	250.64	-	-	-	-	-	
850	34	864.0	7.92	12.70	15.88	9.53	17.48	-	12.70	-	-	-	-	-		
			167.20	266.61	332.12	200.31	364.90	-	-	266.61	-	-	-	-	-	
900	36	914.0	7.92	12.70	15.88	9.53	19.05	-	12.70	-	-	-	-	-		
			176.96	282.27	351.70	212.56	420.40	-	-	282.27	-	-	-	-	-	
950	38	965.0				9.53	-	-	12.70	-	-	-	-	-		
						224.54	-	-	298.24	-	-	-	-	-	-	
1000	40	1016.0				9.53	-	-	12.70	-	-	-	-	-		
						236.53	-	-	314.22	-	-	-	-	-	-	
1050	42	1067.0				9.53	-	-	12.70	-	-	-	-	-		
						248.52	-	-	330.19	-	-	-	-	-	-	
1100	44	1118.0				9.53	-	-	12.70	-	-	-	-	-		
						260.50	-	-	346.16	-	-	-	-	-	-	
1150	46	1168.0				9.53	-	-	12.70	-	-	-	-	-		
						272.25	-	-	351.82	-	-	-	-	-	-	
1200	48	1219.0				9.53	-	-	12.70	-	-	-	-	-		
						284.24	-	-	377.79	-	-	-	-	-	-	

Please note care has been taken to ensure that the contents of this publication are accurate, but Singatoc Engineering and its subsidiary companies do not accept responsibility for errors or for information which is found to be misleading