

STAINLESS STEEL TUBING													
Size (OD)		Wall			Weight	Bursting Pressure		T304 (L)			T316 (L)		
Imperial	Metric	Metric	Inches	Gauge	Kgs / Mtr	MPA	PSI	Dairy	Handrail	600 Grit	Dairy	Handrail	600 Grit
1/4 "	6.35	0.90	0.036	20	0.13	147.60	22403		stock				
5/16 "	7.97	0.90	0.048	20	0.16	118.00	16800		stock				
3/8 "	9.50	0.90	0.036	20	0.20	98.40	14003		stock			stock	
		1.20	0.048	18	0.25	131.90	19598		stock			stock	
1/2 "	12.70	0.90	0.036	20	0.27	73.80	10500		stock				
		1.20	0.048	18	0.35	98.90	14700		stock			stock	stock
		1.60	0.064	16	0.43	132.20	19500	stock	stock		stock	stock	
5/8 "	15.80	1.20	0.048	18	0.45	79.10	11760		stock			stock	stock
		1.60	0.064	16	0.58	105.70	15600	stock	stock		stock	stock	
3/4 "	19.00	1.20	0.048	18	0.54	66.00	9803		stock	stock	stock	stock	stock
		1.60	0.640	16	0.72	86.10	12997	stock	stock	stock	stock	stock	stock
7/8 "	22.20	1.20	0.048	18	0.64	56.50	8400		stock	stock	stock	stock	stock
		1.60	0.064	16	0.83	75.50	11145		stock	stock	stock	stock	stock
1 "	25.40	1.20	0.048	18	0.73	49.50	7350		stock	stock	stock	stock	stock
		1.60	0.064	16	0.96	66.10	9750	stock	stock	stock	stock	stock	stock
1.1/4 "	31.80	1.20	0.048	18	0.92	39.60	5880		stock	stock	stock	stock	stock
		1.60	0.064	16	1.21	52.90	7800		stock	stock	stock	stock	stock
1.1/2 "	38.00	1.60	0.064	18	1.47	44.10	6503	stock	stock	stock	stock	stock	stock
1.3/4 "	44.50	1.60	0.064	16	1.74	37.80	5573	stock	stock	stock	stock	stock	stock
2 "	50.80	1.20	0.048	18	1.49	24.70	3675		stock	stock	stock	stock	stock
		1.50	0.064	16	1.98	33.00	4875	stock	stock	stock	stock	stock	stock
2.1/2 "	63.50	1.60	0.064	16	2.48	26.40	3900	stock	stock	stock	stock	stock	stock
3 "	76.10	1.60	0.064	16	2.99	22.00	3248	stock	stock	stock	stock	stock	stock
4 "	101.60	1.60	0.064	16	4.03	16.50	2438	stock	stock	stock	stock	stock	stock
5 "	127.00	2.00	0.080	14	6.40	13.20		stock			stock		
6 "	152.00	1.60	0.064	16	5.90	11.00	2286	stock			stock		
		2.00	0.080	14	7.50	13.70	2074	stock			stock		

Note : wall thickness comparisons closest equivalents (not true conversions)
: bursting pressure theoretical based on Barrow's Formula

AVERAGE WEIGHTS OF STAINLESS STEEL SQUARE AND RECTAGULAR SECTION								
Size		Wall Thickness						
Imperial	Metric	1.2mm	1.5mm	2.0mm	3.0mm	4.0mm	5.0mm	6.0mm
1/2 " x 1/2 "	12.7 x 12.7	0.449						
3/4 " x 3/4 "	19.0 x 19.0	0.673	0.883					
1 " x 1 "	25.4 x 25.4	0.919	1.211					
1/4 " x 1.1/4	31.8 x 31.8	1.149	1.516					
1/2 " x 1.1/2	38.0 x 38.0	1.396	1.849					
2 " x 2 "	50.8 x 50.8	1.875	2.489					
2 " x 1 "	50.8 x 25.4		1.849					
	40 x 10		1.146	1.495				
	40 x 20		1.371	1.840				
	40 x 40		1.859	2.454	3.756			
	50 x 50		2.329	3.080	4.650	5.960	7.410	
	60 x 60			3.711	5.491	7.222	8.902	
	75 x 75			4.667	7.000	9.333	11.667	
	80 x 40			3.711	5.491	7.222	8.902	
	80 x 80			4.988	7.530	9.816	12.395	14.600
	100 x 50			4.680	6.950	9.090	11.240	13.490
	100 x 100			6.400	9.530	12.400	15.380	17.500
	120 x 60				8.388	11.050	13.750	16.220
	120 x 120				11.300	15.030	18.660	21.200
	150 x 100				11.664	15.424	18.800	22.560
	150 x 150				14.064	18.624	22.400	27.360
	200 x 100				14.064	18.624	22.400	27.360
	200 x 200					24.600	30.800	36.900
	250 x 150						30.800	36.900
	250 x 250						38.400	45.700
	300 x 200						38.400	45.700
	300 x 300						46.200	55.300

There are a range of other intermediate sizes also available

SPIRAL WELDED PIPE											
Nominal Diameter			Wall Thickness								
NB mm	OD / ID inches	OD / ID mm	1.5mm			2.0mm			3.0mm		
			weight	working pressure		weight	working pressure		weight	working pressure	
			Kgs / mtr	Mpa	psi	Kgs / mtr	Mpa	psi	Kgs / mtr	Mpa	psi
80	3 "	76.1	2.9	3.4	493	3.8	4.6	667	5.9	6.9	1000
100	4 "	101.6	3.9	2.8	406	5.2	3.6	522	7.8	5.2	754
125	5 "	127.0	4.9			6.4	2.8	406	9.6		
150	6 "	152.4	5.8	1.9	275	7.7	2.4	348	11.5	3.5	507
200	8 "	203.2	7.8	1.4	203	10.4	1.7	246	15.5	2.6	377
250	10 "	254.0	9.8	1.1	159	13.0	1.4	203	19.4	2.1	304
300	12 "	304.8	11.7			15.6	1.1	159	23.3	1.7	246
350	14 "	355.5	13.7			18.2	1.0	145	27.3	1.5	217
400	16 "	406.4	15.6			20.8	0.8	116	31.2	1.3	188
450	18 "	487.2	17.6			23.5	0.7	101	35.1	1.2	174
500	20 "	508.0	19.6			26.1			39.0	1.1	159
600	24 "	609.6				31.3			46.9	0.9	130

1 Mpa = 145.04