

# Dimensions and Weights of Stainless Steel Pipes\*

\*according ASME B36.10M and B36.19.

Pipe Size In	O.D.		Wall Thickness and Weight								
	ASTM	Sch. 5S	Sch. 10S		Sch. 40S		Sch. 80S		Sch. 160S		
	mm	mm	Kg/m	mm	Kg/m	mm	Kg/m	mm	Kg/m	mm	Kg/m
1/8	10.3			1.25	0.28	1.73	0.37	2.42	0.47		
1/4	13.7			1.66	0.49	2.24	0.63	3.03	0.80		
3/8	17.2			1.66	0.63	2.32	0.85	3.20	1.10		
1/2	21.3	1.66	0.81	2.11	1.00	2.77	1.27	3.74	1.62	4.78	1.90
3/4	26.7	1.66	1.02	2.11	1.28	2.87	1.68	3.92	2.20	5.57	2.90
1	33.4	1.66	1.30	2.77	2.09	3.38	2.50	4.55	3.24	6.35	4.20
1-1/4	42.2	1.66	1.66	2.77	2.69	3.56	3.39	4.86	4.47	6.35	5.60
1-1/2	48.3	1.66	1.91	2.77	3.11	3.69	4.06	5.08	5.41	7.14	7.20
2	60.3	2.11	2.40	2.77	3.93	3.92	5.45	5.54	7.49	8.74	11.1
2-1/2	73.0	2.11	3.69	3.05	5.26	5.16	8.64	7.01	11.4	9.53	14.9
3	88.9	2.11	4.52	3.05	6.46	5.49	11.3	7.62	15.3	11.13	21.3
3-1/2	101.6	2.11	5.18	3.05	7.41	5.74	13.6	8.08	18.6	---	---
4	114.3	2.11	5.84	3.05	8.37	6.02	16.1	8.56	22.3	13.49	33.5
5	141.3	2.77	9.46	3.41	11.6	6.56	21.8	9.53	31.0	15.88	49.1
6	168.3	2.77	11.3	3.41	13.9	7.12	28.3	10.98	42.6	18.27	67.6
8	219.1	2.77	14.8	3.76	20.0	8.18	42.5	12.70	64.6	23.02	111
10	273.1	3.41	22.7	4.20	27.8	9.28	60.4	12.70	81.5	28.58	172
12	323.9	3.97	31.3	4.58	36.1	9.53	73.9	12.70	97.4	33.33	239

The ASME B36.10M standard covers the standardization of dimensions of welded and seamless wrought steel pipe for high or low temperatures and pressures. The word pipe is used as distinguished from tube to apply to tubular products of dimensions commonly used for pipeline and piping systems. Pipe NPS 12 (DN 300) and smaller have outside diameters numerically larger than corresponding sizes. In contrast, the outside diameters of tubes are numerically identical to the size number for all sizes.

The ASME 36.19M "Stainless Steel Pipe" covers the standardization of dimensions of welded and seamless wrought stainless steel pipe.