



"the complete engineering and process solution"®

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Nominal Wall Thickness for Schedule Sizes.

Nominal Pipe Size	Outside Diameter	Schedule 5	Schedule 10	Schedule 20	Schedule 30	Schedule 40	Standard	Schedule 60	Schedule 80	Schedule XS	Schedule 100	Schedule 120	Schedule 140	Schedule 160	Schedule XXS
3.17mm 1/8"	10.3mm 0.405"					1.73 0.068	1.73 0.068		2.41 0.095	2.41 0.095					
6.35mm 1/4"	13.7mm 0.540"	1.20 0.049	1.72 0.065			2.24 0.088	2.24 0.088		3.02 0.119	3.02 1.119					
9.52mm 3/8"	17.1mm 0.675"	1.20 0.049	1.72 0.065			2.31 0.091	2.31 0.091		3.20 0.126	3.20 0.126					
12.7mm 1/2"	21.3mm 0.840"	1.72 0.065	2.11 0.083			2.77 0.109	2.77 0.109		3.73 0.147	3.73 0.147				4.78 0.187	7.47 0.294
19.1mm 3/4"	26.7mm 1.050"	1.72 0.065	2.11 0.083			2.87 0.113	2.87 0.113		3.91 0.154	3.91 0.154				5.54 0.218	7.82 0.308
25.4mm 1"	33.4mm 1.315"	1.72 0.065	2.77 0.109			3.38 0.133	3.38 0.133		4.55 0.179	4.55 0.179				6.35 0.250	9.09 0.358
31.8mm 1 1/4"	42.2mm 1.660"	1.72 0.065	2.77 0.109			3.56 0.140	3.56 0.140		4.85 0.191	4.85 0.191				6.35 0.250	9.70 0.382
38.1mm 1 1/2"	48.3mm 1.900"	1.72 0.065	2.77 0.109			3.68 0.145	3.68 0.145		5.08 0.200	5.08 0.200				7.10 0.281	10.16 0.400
50.8mm 2"	60.3mm 2.375"	1.72 0.065	2.77 0.109			3.91 0.154	3.91 0.154		5.54 0.218	5.54 0.218				8.74 0.343	11.07 0.436
63.5mm 2 1/2"	73.0mm 2.875"	2.11 0.083	3.04 0.120			5.16 0.203	5.16 0.203		7.01 0.276	7.01 0.276				9.52 0.375	14.02 0.552
76.1mm 3"	88.9mm 3.500"	2.11 0.083	3.04 0.120			5.49 0.216	5.49 0.216		7.62 0.300	7.62 0.300				11.13 0.438	15.24 0.600
88.9mm 3 1/2"	101.6mm 4.000"	2.11 0.083	3.04 0.120			5.70 0.226	5.70 0.226		8.10 0.318	8.10 0.318					15.91 0.636
101.6mm 4"	114.3mm 4.500"	2.11 0.083	3.04 0.120			6.02 0.237	6.02 0.237	7.1 0.281	8.56 0.337	8.56 0.337		11.13 0.438		13.49 0.531	17.12 0.674
127.0mm 5"	141.3mm 5.563"	2.77 0.109	3.38 0.134			6.55 0.258	6.55 0.258		9.52 0.375	9.52 0.375		12.7 0.500		15.88 0.625	19.1 0.750
152.4mm 6"	168.3mm 6.625"	2.77 0.109	3.38 0.134			7.11 0.280	7.11 0.280		10.97 0.432	10.97 0.432		14.28 0.562		18.26 0.718	21.95 0.864
203.2mm 8"	219.1mm 8.625"	2.77 0.109	3.73 0.148	6.35 0.250	7.04 0.277	8.18 0.322	8.18 0.322	10.31 0.406	12.7 0.500	12.7 0.500	15.08 0.593	18.26 0.718	20.63 0.812	23.0 0.906	22.22 0.875
254.0mm 10"	273.0mm 10.750"	3.38 0.134	4.08 0.165	6.35 0.250	7.80 0.307	9.27 0.365	9.27 0.365	12.7 0.500	15.08 0.593	12.7 0.500	18.26 0.718	21.43 0.843	25.4 1.000	28.58 1.125	25.4 1.000
304.8mm 12"	323.9mm 12.750"	3.96 0.156	4.55 0.180	6.35 0.250	8.38 0.330	10.31 0.406	9.52 0.375	14.28 0.562	17.48 0.687	12.7 0.500	21.43 0.843	25.4 1.000	28.58 1.125	32.0 1.312	25.4 1.000
355.6mm 14"	355.6mm 14"		6.35 0.250	8.0 0.312	9.52 0.375	11.07 0.437	9.52 0.375	15.08 0.593	19.1 0.750	12.7 0.500	23.8 0.937	27.0 1.093	31.75 1.250	35.71 1.406	
406.4mm 16"	406.4mm 16"		6.35 0.250	8.0 0.312	9.52 0.375	12.7 0.500	9.52 0.375	16.66 0.656	21.4 0.843	12.7 0.500	26.19 1.031	30.95 1.218	36.51 1.437	40.48 1.593	
457.2mm 18"	457.2mm 18"		6.35 0.250	8.0 0.312	11.07 0.437	14.28 0.562	9.52 0.375	19.1 0.750	23.8 0.937	12.7 0.500	29.3 1.156	34.92 1.375	39.6 1.562	45.24 1.781	
508.0mm 20"	508.0mm 20"		6.35 0.250	9.52 0.375	12.7 0.500	15.08 0.593	9.52 0.375	20.62 0.812	26.19 1.031	12.7 0.500	32.51 1.280	38.1 1.500	44.5 1.750	50.0 1.968	
609.6mm 24"	609.6mm 24"		6.35 0.250	9.52 0.375	14.28 0.562	17.48 0.687	9.52 0.375	24.6 0.968	30.95 1.218	12.7 0.500	38.89 1.531	46.03 1.812	52.38 2.062	59.53 2.343	
762.0mm 30"	762.0mm 30"	6.35 0.250	8.0 0.312	12.7 0.500	15.88 0.625		9.52 0.375			12.7 0.500					
914.4mm 36"	914.4mm 36"		8.0 0.312	12.7 0.500	15.88 0.625	19.1 0.750	9.52 0.375			12.7 0.500					



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Line Pipe Weights

Nominal Pipe size	Outside Diameter	Standard	Extra Strong	Double Extra Strong	Schedule 10	Schedule 20	Schedule 30	Schedule 40	Schedule 60	Schedule 80	Schedule 100	Schedule 120	Schedule 140	Schedule 160
1/2"	21.3	1.28	1.61	2.55				1.28		1.61				1.95
3/4"	26.7	1.70	2.19	3.64				1.70		2.19				2.88
1"	33.4	2.52	3.21	5.45				2.52		3.21				4.23
1 1/4"	42.2	3.43	4.51	7.77				3.43		4.51				5.60
1 1/2"	48.3	4.07	5.43	9.58				4.07		5.43				7.23
2"	60.3	5.42	7.43	13.47				5.42		7.43				11.10
2 1/2"	73.0	8.69	11.39	20.37				8.69		11.39				14.90
3"	88.9	11.31	15.24	27.63				11.31		15.24				21.30
4"	114.3	16.02	22.42	40.99				16.02		22.42		28.25		33.56
5"	141.3	21.92	30.88	57.56				21.92		30.88		40.28		49.17
6"	168.3	28.22	42.67	79.07				28.22		42.67		54.31		67.69
8"	219.1	42.65	64.64	107.79		33.57	36.61	42.65	53.04	64.64	75.97	90.62	100.84	111.23
10"	273.1	60.50	81.55	155.15		42.09	51.03	60.50	81.55	96.08	114.99	132.84	155.15	172.45
12"	323.9	73.65	97.46	186.97		50.11	65.35	79.71	109.18	132.23	159.65	186.97	208.27	238.11
14"	355.6	81.08	107.39		55.11	67.74	81.08	94.30	126.80	158.49	194.74	224.74	253.31	281.38
16"	406.4	92.98	123.30		63.13	77.63	92.98	123.30	160.50	203.19	245.66	287.00	332.62	365.46
18"	457.0	104.84	139.15		71.12	87.49	122.05	155.11	206.25	254.25	309.44	363.19	408.01	459.18
20"	508.0	116.78	155.12		79.16	116.78	155.12	183.55	247.60	311.31	381.04	440.93	507.54	564.14
24"	610.0	140.68	187.06		95.26	140.68	210.07	255.69	355.12	442.34	547.49	639.36	720.05	807.19

Useful Information:

To calculate the weight of a mild steel tube:

Outside diameter (mm) minus wall thickness (mm) multiplied by wall thickness (mm) multiplied by 0.0246615 = Kg/metre.

$$OD - WT \times WT \times 0.0246615 = \text{Kg/m.}$$

This data is offered for guidance. For Specific information please refer to appropriate standard.

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Weights & Dimensions of BS 1387 Tubes

Weights

Nominal Pipe Size		Blk S/S		Blk P/E		Galv S/S		Galv P/E	
		Medium	Heavy	Medium	Heavy	Medium	Heavy	Medium	Heavy
mm	in	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m	Kg/m
8	1/8"	0.65	0.77	0.64	0.77	0.68	0.80	0.67	0.79
10	1/4"	0.85	1.03	0.84	1.02	0.89	1.07	0.88	1.06
15	1/2"	1.22	1.45	1.21	1.44	1.27	1.5	1.26	1.49
20	3/4"	1.57	1.88	1.56	1.87	1.64	1.94	1.63	1.93
25	1"	2.43	2.96	2.41	2.94	2.51	3.04	2.49	3.02
32	1 1/4"	3.13	3.83	3.10	3.80	3.24	3.94	3.21	3.90
40	1 1/2"	3.61	4.42	3.57	4.38	3.73	4.54	3.69	4.50
50	2"	5.10	6.26	5.03	6.19	5.26	6.41	5.18	6.34
65	2 1/2"	6.55	8.05	6.43	7.93	6.75	8.25	6.63	8.12
80	3"	8.54	10.50	8.37	10.30	8.78	10.70	8.60	10.50
100	4"	12.50	14.80	12.20	14.50	12.80	15.10	12.50	14.80
125	5"	17.10	18.40	16.60	17.90	17.50	18.80	17.00	18.30
150	6"	20.30	21.90	19.70	21.30	20.80	22.30	20.20	21.70

Dimensions

Nominal Pipe Size		Outside Diameter		Thickness	
		Min	Max	Medium	Heavy
mm	in	mm	mm	mm	mm
8	1/8"	13.3	13.9	2.3	2.9
10	1/4"	16.8	17.4	2.3	2.9
15	1/2"	21.1	21.7	2.6	3.2
20	3/4"	26.6	27.2	2.6	3.2
25	1"	33.4	34.2	3.2	4.0
32	1 1/4"	42.1	42.9	3.2	4.0
40	1 1/2"	48.0	48.8	3.2	4.0
50	2"	59.8	60.8	3.6	4.5
65	2 1/2"	75.4	76.6	3.6	4.5
80	3"	88.1	89.5	4.0	5.0
100	4"	113.3	114.9	4.5	5.4
125	5"	138.7	140.6	5.0	5.4
150	6"	164.1	166.1	5.0	5.4