

## Standard Steel Pipe Data – SI Units

**Table A4.1.2-1; Bare Pipe – Water.**

Pipe Size (mm)	Pipe O.D. (mm)	Pipe I.D. (mm)	Pipe Weight Empty (N/m)	Water Weight (N/m)	Pipe + Water (N/m)
19	26.67	20.93	16.5	3.4	19.9
25	33.40	26.64	24.5	5.5	30.0
32	42.16	35.05	33.1	9.5	42.6
38	48.26	40.89	39.6	12.9	52.5
51	60.33	52.50	53.3	21.2	74.5
64	73.03	62.71	84.5	30.3	114.8
76	88.90	77.93	110.4	46.8	157.2
89	101.60	90.12	132.8	62.5	195.3
102	114.30	102.26	157.3	80.5	237.8
127	141.30	128.19	213.2	126.5	339.7
152	168.28	154.05	276.7	182.7	459.4
203	219.08	202.72	416.3	316.4	732.7
254	273.05	254.51	590.1	498.7	1,089
279	298.45	279.40	664.2	601.0	1,265
305	323.85	304.80	722.5	715.2	1,438
356	355.60	336.55	795.5	872.0	1,668
406	406.40	387.35	912.3	1,155	2,067
457	457.20	438.15	1,029	1,478	2,507
508	508.00	488.95	1,146	1,841	2,986
559	558.80	539.75	1,263	2,243	3,506
610	609.60	590.55	1,379	2,685	4,064
762	762.00	742.95	1,730	4,249	5,979
914	914.40	895.35	2,080	6,172	8,252
1,219	1219.20	1200.15	2,781	11,089	13,870

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**Table A4.1.2-2; Insulated Pipe – Water (85% Magnesia Insulation).**

Pipe Size (mm)	Pipe O.D. (mm)	Pipe I.D. (mm)	Pipe Weight Empty (N/m)	Water Weight (N/m)	Insulation Thickness (mm)	Insulation Weight (N/m)	Pipe + Water + Insulation (N/m)
19	26.67	20.93	16.5	3.4	25.4	11.1	31.0
25	33.40	26.64	24.5	5.5	25.4	12.5	42.5
32	42.16	35.05	33.1	9.5	25.4	14.4	57.0
38	48.26	40.89	39.6	12.9	25.4	15.7	68.2
51	60.33	52.50	53.3	21.2	25.4	18.3	90.2
64	73.03	62.71	84.5	30.3	25.4	21.0	135.8
76	88.90	77.93	110.4	46.8	25.4	24.4	181.6
89	101.60	90.12	132.8	62.5	25.4	27.1	222.4
102	114.30	102.26	157.3	80.5	25.4	29.8	267.6
127	141.30	128.19	213.2	126.5	38.1	57.3	397.0
152	168.28	154.05	276.7	182.7	38.1	66.0	525.4
203	219.08	202.72	416.3	316.4	38.1	82.2	814.9
254	273.05	254.51	590.1	498.7	38.1	99.5	1,188
279	298.45	279.40	664.2	601.0	38.1	107.6	1,373
305	323.85	304.80	722.5	715.2	38.1	115.7	1,553
356	355.60	336.55	795.5	872.0	38.1	125.8	1,793
406	406.40	387.35	912.3	1,155	38.1	142.1	2,209
457	457.20	438.15	1,029	1,478	38.1	158.3	2,665
508	508.00	488.95	1,146	1,841	38.1	174.6	3,162
559	558.80	539.75	1,263	2,243	38.1	190.8	3,697
610	609.60	590.55	1,379	2,685	38.1	207.0	4,271
762	762.00	742.95	1,730	4,249	38.1	255.7	6,235
914	914.40	895.35	2,080	6,172	38.1	304.5	8,557
1,219	1219.20	1200.15	2,781	11,089	38.1	401.9	14,272

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**Table A4.1.2-3; Insulated Pipe – Steam (85% Magnesia Insulation).**

Pipe Size (mm)	Pipe O.D. (mm)	Pipe I.D. (mm)	Pipe Weight Empty (N/m)	Steam Weight (N/m)	Insulation Thickness (mm)	Insulation Weight (N/m)	Pipe + Steam + Insulation (N/m)
19	26.67	20.93	16.5	0.002	38.1	20.7	37.2
25	33.40	26.64	24.5	0.003	38.1	22.9	47.4
32	42.16	35.05	33.1	0.006	38.1	25.7	58.8
38	48.26	40.89	39.6	0.008	38.1	27.6	67.2
51	60.33	52.50	53.3	0.01	38.1	31.5	80.9
64	73.03	62.71	84.5	0.02	38.1	35.5	120.0
76	88.90	77.93	110.4	0.03	38.1	40.6	151.0
89	101.60	90.12	132.8	0.04	38.1	44.7	177.5
102	114.30	102.26	157.3	0.05	38.1	48.7	206.1
127	141.30	128.19	213.2	0.08	50.8	81.9	295.2
152	168.28	154.05	276.7	0.11	50.8	93.4	370.2
203	219.08	202.72	416.3	0.19	50.8	115.0	531.5
254	273.05	254.51	590.1	0.30	50.8	138.0	728.4
279	298.45	279.40	664.2	0.36	50.8	148.8	813.4
305	323.85	304.80	722.5	0.43	50.8	159.7	882.6
356	355.60	336.55	795.5	0.52	50.8	173.2	969.2
406	406.40	387.35	912.3	0.69	50.8	194.9	1,108
457	457.20	438.15	1,029	0.88	50.8	216.5	1,246
508	508.00	488.95	1,146	1.1	50.8	238.2	1,385
559	558.80	539.75	1,263	1.3	50.8	259.8	1,524
610	609.60	590.55	1,379	1.6	50.8	281.5	1,662
762	762.00	742.95	1,730	2.5	50.8	346.4	2,079
914	914.40	895.35	2,080	3.7	50.8	411.4	2,495
1,219	1219.20	1200.15	2,781	6.6	50.8	541.3	3,329

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