

ASTM A53/A53M Table X2.2

Pipe Weight Chart for Flat Head Steel Pipe

NPS	DN	Outside Diameter		Wall Thickness		Plain End Mass		weight Class	Schedule No.
		IN	MM	IN	MM	lb/ft	kg/m		
1/8	6	0.405	10.3	0.068	1.73	0.24	0.37	STD	40
1/8	6	0.405	10.3	0.095	2.41	0.31	0.47	XS	80
1/4	8	0.54	13.7	0.088	2.24	0.43	0.63	STD	40
1/4	8	0.54	13.7	0.119	3.02	0.54	0.80	XS	80
3/8	10	0.675	17.1	0.091	2.31	0.57	0.84	STD	40
3/8	10	0.675	17.1	0.126	3.20	0.74	1.10	XS	80
1/2	15	0.84	21.3	0.109	2.77	0.85	1.27	STD	40
1/2	15	0.84	21.3	0.147	3.73	1.09	1.62	XS	80
1/2	15	0.84	21.3	0.188	4.78	1.31	1.95		160
1/2	15	0.84	21.3	0.294	7.47	1.72	2.55	XXS	
3/4	20	1.05	26.7	0.113	2.87	1.13	1.69	STD	40
3/4	20	1.05	26.7	0.154	3.91	1.48	2.20	XS	80
3/4	20	1.05	26.7	0.219	5.56	1.95	2.90		160
3/4	20	1.05	26.7	0.308	7.82	2.44	3.64	XXS	
1	25	1.315	33.4	0.133	3.38	1.68	2.50	STD	40
1	25	1.315	33.4	0.179	4.55	2.17	3.24	XS	80
1	25	1.315	33.4	0.250	6.35	2.85	4.24		160
1	25	1.315	33.4	0.382	9.70	5.22	7.77	XXS	
1 1/2	40	1.900	48.3	0.145	3.68	2.72	4.05	STD	40
1 1/2	40	1.900	48.3	0.200	5.08	3.63	5.41	XS	80
1 1/2	40	1.900	48.3	0.281	7.14	4.86	7.25		160
1 1/2	40	1.900	48.3	0.400	10.16	6.41	9.56	XXS	
2	50	2.375	60.3	0.154	3.91	3.66	5.44	STD	40
2	50	2.375	60.3	0.218	5.54	5.03	7.48	XS	80
2	50	2.375	60.3	0.344	8.74	7.47	11.11		160
2	50	2.375	60.3	0.436	11.07	9.04	13.44	XXS	
2 1/2	65	2.875	73.0	0.203	5.16	5.80	8.63	STD	40
2 1/2	65	2.875	73.0	0.276	7.01	7.67	11.41	XS	80
2 1/2	65	2.875	73.0	0.375	9.52	10.02	14.90		160
2 1/2	65	2.875	73.0	0.552	14.02	13.71	20.39	XXS	
3	80	3.500	88.9	0.125	3.18	4.51	6.72		
3	80	3.500	88.9	0.156	3.96	5.58	8.29		
3	80	3.500	88.9	0.188	4.78	6.66	9.92		
3	80	3.500	88.9	0.216	5.49	7.58	11.29	STD	40
3	80	3.500	88.9	0.250	6.35	8.69	12.93		
3	80	3.500	88.9	0.281	7.14	9.67	14.40		
3	80	3.500	88.9	0.300	7.62	10.26	15.27	XS	80

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		IN	MM	IN	MM	lb/ft	kg/m		
3	80	3.500	88.9	0.438	11.13	14.34	21.35		160
3	80	3.500	88.9	0.600	15.24	18.60	27.68	XXS	
3 1/2	90	4.000	101.6	0.125	3.18	5.18	7.72		
3 1/2	90	4.000	101.6	0.156	3.96	6.41	9.53		
3 1/2	90	4.000	101.6	0.188	4.78	7.66	11.41		
3 1/2	90	4.000	101.6	0.226	5.74	9.12	13.57	STD	40
3 1/2	90	4.000	101.6	0.250	6.35	10.02	14.92		
3 1/2	90	4.000	101.6	0.281	7.14	11.17	16.63		
3 1/2	90	4.000	101.6	0.318	8.08	12.52	18.63	XS	80
4	100	4.500	114.3	0.125	3.18	5.85	8.71		
4	100	4.500	114.3	0.156	3.96	7.24	10.78		
4	100	4.500	114.3	0.188	4.78	8.67	12.91		
4	100	4.500	114.3	0.219	5.56	10.02	14.91		
4	100	4.500	114.3	0.237	6.02	10.80	16.07	STD	40
4	100	4.500	114.3	0.250	6.35	11.36	16.90		
4	100	4.500	114.3	0.281	7.14	12.67	18.87		
4	100	4.500	114.3	0.312	7.92	13.97	20.78		
4	100	4.500	114.3	0.337	8.56	15.00	22.32	XS	80
4	100	4.500	114.3	0.438	11.13	19.02	28.32		120
4	100	4.500	114.3	0.531	13.49	22.53	33.54		160
4	100	4.500	114.3	0.674	17.12	27.57	41.03	XXS	
5	125	5.563	141.3	0.156	3.96	9.02	13.41		
5	125	5.563	141.3	0.188	4.78	10.80	16.09		
5	125	5.563	141.3	0.219	5.56	12.51	18.61		
5	125	5.563	141.3	0.258	6.55	14.63	21.77	STD	40
5	125	5.563	141.3	0.281	7.14	15.87	23.62		
5	125	5.563	141.3	0.312	7.92	17.51	26.05		
5	125	5.563	141.3	0.344	8.74	19.19	28.57		
5	125	5.563	141.3	0.375	9.52	20.80	30.94	XS	80
5	125	5.563	141.3	0.500	12.70	27.06	40.28		120
5	125	5.563	141.3	0.625	15.88	32.99	49.11		160
5	125	5.563	141.3	0.750	19.05	38.59	57.43	XXS	
6	150	6.625	168.3	0.188	4.78	12.94	19.27		
6	150	6.625	168.3	0.219	5.56	15.00	22.31		
6	150	6.625	168.3	0.250	6.35	17.04	25.36		
6	150	6.625	168.3	0.280	7.11	18.99	28.26	STD	40
6	150	6.625	168.3	0.312	7.92	21.06	31.32		
6	150	6.625	168.3	0.344	8.74	23.10	34.39		
6	150	6.625	168.3	0.375	9.52	25.05	37.28		

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NPS	DN	Outside Diameter		Wall Thickness		Plain End Mass		weight Class	Schedule No.
		IN	MM	IN	MM	lb/ft	kg/m		
6	150	6.625	168.3	0.432	10.97	28.60	42.56	XS	80
6	150	6.625	168.3	0.562	14.27	36.43	54.20		120
6	150	6.625	168.3	0.719	18.26	45.39	67.56		160
6	150	6.625	168.3	0.864	21.95	53.21	79.22	XXS	
8	200	8.625	219.1	0.188	4.78	16.96	25.26		
8	200	8.625	219.1	0.203	5.16	18.28	27.22		
8	200	8.625	219.1	0.219	5.56	19.68	29.28		
8	200	8.625	219.1	0.250	6.35	22.38	33.31		20
8	200	8.625	219.1	0.277	7.04	24.72	36.31		30
8	200	8.625	219.1	0.312	7.92	27.73	41.24		
8	200	8.625	219.1	0.322	8.18	28.58	42.55	STD	40
8	200	8.625	219.1	0.344	8.74	30.45	45.34		
8	200	8.625	219.1	0.375	9.52	33.07	49.20		
8	200	8.625	219.1	0.406	10.31	35.67	53.08		60
8	200	8.625	219.1	0.438	11.13	38.33	57.08		
8	200	8.625	219.1	0.500	12.70	43.43	64.64	XS	80
8	200	8.625	219.1	0.594	15.09	51.00	75.92		100
8	200	8.625	219.1	0.719	18.26	60.77	90.44		120
8	200	8.625	219.1	0.812	20.62	67.82	100.92		140
8	200	8.625	219.1	0.875	22.22	72.49	107.88	XXS	
8	200	8.625	219.1	0.906	23.01	74.76	111.27		160
10	250	10.75	273	0.188	4.78	21.23	31.62		
10	250	10.75	273	0.203	5.16	22.89	34.08		
10	250	10.75	273	0.219	5.56	24.65	36.67		
10	250	10.75	273	0.250	6.35	28.06	41.75		20
10	250	10.75	273	0.279	7.09	31.23	46.49		
10	250	10.75	273	0.307	7.80	34.27	51.01		30
10	250	10.75	273	0.344	8.74	38.27	56.96		
10	250	10.75	273	0.365	9.27	40.52	60.29	STD	40
10	250	10.75	273	0.438	11.13	48.28	71.87		
10	250	10.75	273	0.500	12.70	54.79	81.52	XS	60
10	250	10.75	273	0.594	15.09	64.49	95.97		80
10	250	10.75	273	0.719	18.26	77.10	114.70		100
10	250	10.75	273	0.844	21.44	89.38	133.00		120
10	250	10.75	273	1.000	25.40	104.23	155.09	XXS	140
10	250	10.75	273	1.125	28.57	115.75	172.21		160
12	300	12.75	323.8	0.203	5.16	27.23	40.55		
12	300	12.75	323.8	0.219	5.56	29.34	43.63		
12	300	12.75	323.8	0.250	6.35	33.41	49.71		20
12	300	12.75	323.8	0.281	7.14	37.46	55.75		

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		IN	MM	IN	MM	lb/ft	kg/m		
12	300	12.75	323.8	0.312	7.92	41.48	61.69		
12	300	12.75	323.8	0.330	8.38	43.81	65.18		30
12	300	12.75	323.8	0.344	8.74	45.62	67.90		
12	300	12.75	323.8	0.375	9.52	49.61	73.78	STD	
12	300	12.75	323.8	0.406	10.31	53.57	79.70		40
12	300	12.75	323.8	0.438	11.13	57.65	85.82		
12	300	12.75	323.8	0.500	12.70	65.48	97.43	XS	
12	300	12.75	323.8	0.562	14.27	73.22	108.92		60
12	300	12.75	323.8	0.688	17.48	88.71	132.04		80
12	300	12.75	323.8	0.844	21.44	107.42	159.86		100
12	300	12.75	323.8	1.000	25.40	125.61	186.91	XXS	120
12	300	12.75	323.8	1.125	28.57	139.81	208.00		140
12	300	12.75	323.8	1.312	33.32	160.42	238.68		160
14	350	14	355.6	0.210	5.33	30.96	46.04		
14	350	14	355.6	0.219	5.56	32.26	47.99		
14	350	14	355.6	0.250	6.35	36.75	54.69		10
14	350	14	355.6	0.281	7.14	41.21	61.35		
14	350	14	355.6	0.312	7.92	45.65	67.90		20
14	350	14	355.6	0.344	8.74	50.22	74.76		
14	350	14	355.6	0.375	9.52	54.62	81.25	STD	30
14	350	14	355.6	0.438	11.13	63.50	94.55		40
14	350	14	355.6	0.469	11.91	67.84	100.94		
14	350	14	355.6	0.500	12.70	72.16	107.39	XS	
14	350	14	355.6	0.594	15.09	85.13	126.71		60
14	350	14	355.6	0.750	19.05	106.23	158.10		80
14	350	14	355.6	0.938	23.83	130.98	194.96		100
14	350	14	355.6	1.094	27.79	150.93	224.65		120
14	350	14	355.6	1.250	31.75	170.37	253.56		140
14	350	14	355.6	1.406	35.71	189.29	281.70		160
14	350	14	355.6	2.000	50.80	256.56	381.83		
14	350	14	355.6	2.125	53.97	269.76	401.44		
14	350	14	355.6	2.200	55.88	277.51	413.01		
14	350	14	355.6	2.500	63.50	307.34	457.40		
16	400	16	406.4	0.219	5.56	36.95	54.96		
16	400	16	406.4	0.250	6.35	42.09	62.64		10
16	400	16	406.4	0.281	7.14	47.22	70.30		
16	400	16	406.4	0.312	7.92	52.32	77.83		20
16	400	16	406.4	0.344	8.74	57.57	85.71		
16	400	16	406.4	0.375	9.52	62.64	93.17	STD	30
16	400	16	406.4	0.438	11.13	72.86	108.49		

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NPS	DN	Outside Diameter		Wall Thickness		Plain End Mass		weight Class	Schedule No.
		IN	MM	IN	MM	lb/ft	kg/m		
16	400	16	406.4	0.469	11.91	77.87	115.86		
16	400	16	406.4	0.500	12.70	82.85	123.30	XS	40
16	400	16	406.4	0.656	16.66	107.60	160.12		60
16	400	16	406.4	0.844	21.44	136.74	203.53		80
16	400	16	406.4	1.031	26.19	164.98	245.56		100
16	400	16	406.4	1.219	30.96	192.61	286.64		120
16	400	16	406.4	1.438	36.53	223.85	333.19		140
16	400	16	406.4	1.594	40.49	245.48	365.35		160
18	450	18	457	0.250	6.35	47.44	70.60		10
18	450	18	457	0.281	7.14	53.23	79.24		
18	450	18	457	0.312	7.92	58.99	87.75		20
18	450	18	457	0.344	8.74	64.93	96.66		
18	450	18	457	0.375	9.52	70.65	105.10	STD	
18	450	18	457	0.406	10.31	76.36	113.62		
18	450	18	457	0.438	11.13	82.23	122.43		30
18	450	18	457	0.469	11.91	87.89	130.78		
18	450	18	457	0.500	12.70	93.54	139.20	XS	
18	450	18	457	0.562	14.27	104.76	155.87		40
18	450	18	457	0.750	19.05	138.30	205.83		60
18	450	18	457	0.938	23.83	171.08	254.67		80
18	450	18	457	1.156	29.36	208.15	309.76		100
18	450	18	457	1.375	34.92	244.37	363.64		120
18	450	18	457	1.562	39.67	274.48	408.45		140
18	450	18	457	1.781	45.24	308.79	459.59		160
20	500	20	508	0.250	6.35	52.78	78.55		10
20	500	20	508	0.281	7.14	59.23	88.19		
20	500	20	508	0.312	7.92	65.66	97.67		
20	500	20	508	0.344	8.74	72.28	107.60		
20	500	20	508	0.375	9.52		78.67	STD	20
20	500	20	508	0.406	10.31	84.04	126.53		
20	500	20	508	0.438	11.13	91.59	136.37		
20	500	20	508	0.469	11.91	97.92	145.70		
20	500	20	508	0.500	12.70	104.23	155.12	XS	30
20	500	20	508	0.594	15.09	123.23	183.42		40
20	500	20	508	0.812	20.62	166.56	247.83		60
20	500	20	508	1.031	26.19	209.06	311.17		80
20	500	20	508	1.281	32.54	256.34	381.53		100
20	500	20	508	1.500	38.10	296.65	441.49		120
20	500	20	508	1.750	44.45	341.41	508.11		140
20	500	20	508	1.969	50.01	379.53	564.81		160

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		IN	MM	IN	MM	lb/ft	kg/m		
24	600	24	610	0.250	6.35	63.47	94.46		10
24	600	24	610	0.281	7.14	71.25	106.08		
24	600	24	610	0.312	7.92	79.01	117.51		
24	600	24	610	0.344	8.74	86.99	129.50		
24	600	24	610	0.375	9.52	94.71	140.88	STD	20
24	600	24	610	0.406	10.31	102.40	152.37		
24	600	24	610	0.438	11.13	110.32	164.26		
24	600	24	610	0.469	11.91	117.98	175.54		
24	600	24	610	0.500	12.70	125.61	186.94	XS	
24	600	24	610	0.562	14.27	140.81	209.50		30
24	600	24	610	0.688	17.48	171.45	255.24		40
24	600	24	610	0.938	23.83	231.25	344.23		
24	600	24	610	0.969	24.61	238.57	355.02		60
24	600	24	610	1.219	30.96	296.86	441.78		80
24	600	24	610	1.531	38.89	367.74	547.33		100
24	600	24	610	1.812	46.02	429.79	639.58		120
24	600	24	610	2.062	52.37	483.57	719.63		140
24	600	24	610	2.344	59.54	542.64	807.63		160
650	26	26	660	0.250	6.35	68.82	102.42		
650	26	26	660	0.281	7.14	77.26	115.02		
650	26	26	660	0.312	7.92	85.68	127.43		10
650	26	26	660	0.344	8.74	94.35	140.45		
650	26	26	660	0.375	9.52	102.72	152.80	STD	
650	26	26	660	0.406	10.31	111.08	165.28		
650	26	26	660	0.438	11.13	119.69	178.20		
650	26	26	660	0.469	11.91	128.00	190.46		
650	26	26	660	0.500	12.70	136.30	202.85	XS	20
650	26	26	660	0.562	14.27	152.83	227.37		