Pipe Schedule Chart

Carbon steel, NPS 1/8–24 · Sch 10, 40, 80, 160, STD, XS

OD and wall: ASME B36.10M. ID = OD - 2 × wall. Weight: plain end, steel at 7850 kg/m³ (0.2836 lb/in³). Schedules with the same wall share a row.

NPS	DN	Schedule	OD (in)	OD (mm)	Wall (in)	Wall (mm)	ID (in)	ID (mm)	lb/ft	kg/m
1/8	6	10	0.405	10.3	0.049	1.24	0.307	7.8	0.19	0.28
1/8	6	40 / STD	0.405	10.3	0.068	1.73	0.269	6.8	0.25	0.36
1/8	6	80 / XS	0.405	10.3	0.095	2.41	0.215	5.5	0.31	0.47
1/4	8	10	0.540	13.7	0.065	1.65	0.410	10.4	0.33	0.49
1/4	8	40 / STD	0.540	13.7	0.088	2.24	0.364	9.2	0.43	0.63
1/4	8	80 / XS	0.540	13.7	0.119	3.02	0.302	7.7	0.54	0.80
3/8	10	10	0.675	17.1	0.065	1.65	0.545	13.8	0.42	0.63
3/8	10	40 / STD	0.675	17.1	0.091	2.31	0.493	12.5	0.57	0.85
3/8	10	80 / XS	0.675	17.1	0.126	3.20	0.423	10.7	0.74	1.10
1/2	15	10	0.840	21.3	0.083	2.11	0.674	17.1	0.67	1.00
1/2	15	40 / STD	0.840	21.3	0.109	2.77	0.622	15.8	0.85	1.27
1/2	15	80 / XS	0.840	21.3	0.147	3.73	0.546	13.9	1.09	1.62
1/2	15	160	0.840	21.3	0.188	4.78	0.464	11.8	1.31	1.95
3/4	20	10	1.050	26.7	0.083	2.11	0.884	22.5	0.86	1.28
3/4	20	40 / STD	1.050	26.7	0.113	2.87	0.824	20.9	1.13	1.68
3/4	20	80 / XS	1.050	26.7	0.154	3.91	0.742	18.8	1.48	2.20
3/4	20	160	1.050	26.7	0.219	5.56	0.612	15.5	1.95	2.90
1	25	10	1.315	33.4	0.109	2.77	1.097	27.9	1.41	2.09
1	25	40 / STD	1.315	33.4	0.133	3.38	1.049	26.6	1.68	2.50
1	25	80 / XS	1.315	33.4	0.179	4.55	0.957	24.3	2.17	3.24
1	25	160	1.315	33.4	0.250	6.35	0.815	20.7	2.85	4.24
1-1/4	32	10	1.660	42.2	0.109	2.77	1.442	36.6	1.81	2.69
1-1/4	32	40 / STD	1.660	42.2	0.140	3.56	1.380	35.1	2.28	3.39
1-1/4	32	80 / XS	1.660	42.2	0.191	4.85	1.278	32.5	3.00	4.46
1-1/4	32	160	1.660	42.2	0.250	6.35	1.160	29.5	3.77	5.61
1-1/2	40	10	1.900	48.3	0.109	2.77	1.682	42.7	2.09	3.11
1-1/2	40	40 / STD	1.900	48.3	0.145	3.68	1.610	40.9	2.72	4.05
1-1/2	40	80 / XS	1.900	48.3	0.200	5.08	1.500	38.1	3.64	5.41
1-1/2	40	160	1.900	48.3	0.281	7.14	1.338	34.0	4.86	7.24
2	50	10	2.375	60.3	0.109	2.77	2.157	54.8	2.64	3.93
2	50	40 / STD	2.375	60.3	0.154	3.91	2.067	52.5	3.66	5.44
2	50	80 / XS	2.375	60.3	0.218	5.54	1.939	49.3	5.03	7.48
2	50	160	2.375	60.3	0.344	8.74	1.687	42.8	7.47	11.12
2-1/2	65	10	2.875	73.0	0.120	3.05	2.635	66.9	3.53	5.26
2-1/2	65	40 / STD	2.875	73.0	0.203	5.16	2.469	62.7	5.80	8.63
2-1/2	65	80 / XS	2.875	73.0	0.276	7.01	2.323	59.0	7.67	11.41
2-1/2	65	160	2.875	73.0	0.375	9.52	2.125	54.0	10.02	14.92
3	80	10	3.500	88.9	0.120	3.05	3.260	82.8	4.34	6.45
3	80	40 / STD	3.500	88.9	0.216	5.49	3.068	77.9	7.58	11.29
3	80	80 / XS	3.500	88.9	0.300	7.62	2.900	73.7	10.26	15.27
3	80	160	3.500	88.9	0.438	11.13	2.624	66.6	14.34	21.34
3-1/2	90	10	4.000	101.6	0.120	3.05	3.760	95.5	4.98	7.41
3-1/2	90	40 / STD	4.000	101.6	0.226	5.74	3.548	90.1	9.12	13.57
3-1/2	90	80 / XS	4.000	101.6	0.318	8.08	3.364	85.4	12.52	18.63
4	100	10	4.500	114.3	0.120	3.05	4.260	108.2	5.62	8.36
4	100	40 / STD	4.500	114.3	0.237	6.02	4.026	102.3	10.80	16.07

Pipe Schedule Chart

NPS	DN	Schedule	OD (in)	OD (mm)	Wall (in)	Wall (mm)	ID (in)	ID (mm)	lb/ft	kg/m
4	100	80 / XS	4.500	114.3	0.337	8.56	3.826	97.2	15.00	22.32
4	100	160	4.500	114.3	0.531	13.49	3.438	87.3	22.53	33.53
5	125	10	5.563	141.3	0.134	3.40	5.295	134.5	7.78	11.57
5	125	40 / STD	5.563	141.3	0.258	6.55	5.047	128.2	14.63	21.78
5	125	80 / XS	5.563	141.3	0.375	9.52	4.813	122.3	20.80	30.95
5	125	160	5.563	141.3	0.625	15.88	4.313	109.6	33.00	49.10
6	150	10	6.625	168.3	0.134	3.40	6.357	161.5	9.30	13.84
6	150	40 / STD	6.625	168.3	0.280	7.11	6.065	154.1	18.99	28.27
6	150	80 / XS	6.625	168.3	0.432	10.97	5.761	146.3	28.60	42.57
6	150	160	6.625	168.3	0.719	18.26	5.187	131.7	45.40	67.56
8	200	10	8.625	219.1	0.148	3.76	8.329	211.6	13.41	19.96
8	200	40 / STD	8.625	219.1	0.322	8.18	7.981	202.7	28.58	42.54
8	200	80 / XS	8.625	219.1	0.500	12.70	7.625	193.7	43.43	64.64
8	200	160	8.625	219.1	0.906	23.01	6.813	173.1	74.77	111.27
10	250	10	10.750	273.1	0.165	4.19	10.420	264.7	18.67	27.79
10	250	40 / STD	10.750	273.1	0.365	9.27	10.020	254.5	40.53	60.31
10	250	XS	10.750	273.1	0.500	12.70	9.750	247.6	54.79	81.54
10	250	80	10.750	273.1	0.594	15.09	9.562	242.9	64.50	95.98
10	250	160	10.750	273.1	1.125	28.57	8.500	215.9	115.77	172.28
12	300	10	12.750	323.8	0.180	4.57	12.390	314.7	24.19	36.00
12	300	STD	12.750	323.8	0.375	9.52	12.000	304.8	49.61	73.84
12	300	40	12.750	323.8	0.406	10.31	11.938	303.2	53.58	79.74
12	300	XS	12.750	323.8	0.500	12.70	11.750	298.4	65.49	97.45
12	300	80	12.750	323.8	0.688	17.48	11.374	288.9	88.72	132.04
12	300	160	12.750	323.8	1.312	33.32	10.126	257.2	160.44	238.77
14	350	10	14.000	355.6	0.250	6.35	13.500	342.9	36.75	54.69
14	350	STD	14.000	355.6	0.375	9.52	13.250	336.5	54.63	81.29
14	350	40	14.000	355.6	0.438	11.13	13.124	333.3	63.51	94.51
14	350	XS	14.000	355.6	0.500	12.70	13.000	330.2	72.17	107.40
14	350	80	14.000	355.6	0.750	19.05	12.500	317.5	106.25	158.11
14	350	160	14.000	355.6	1.406	35.71	11.188	284.2	189.32	281.73
16	400	10	16.000	406.4	0.250	6.35	15.500	393.7	42.10	62.65
16	400	STD	16.000	406.4	0.375	9.52	15.250	387.3	62.65	93.23
16	400	40 / XS	16.000	406.4	0.500	12.70	15.000	381.0	82.86	123.31
16	400	80	16.000	406.4	0.844	21.44	14.312	363.5	136.76	203.52
16	400	160	16.000	406.4	1.594	40.49	12.812	325.4	245.51	365.36
18	450	10	18.000	457.2	0.250	6.35	17.500	444.5	47.44	70.60
18	450	STD	18.000	457.2	0.375	9.52	17.250	438.1	70.66	105.16
18	450	XS	18.000	457.2	0.500	12.70	17.000	431.8	93.55	139.22
18	450	40	18.000	457.2	0.562	14.27	16.876	428.7	104.78	155.93
18	450	80	18.000	457.2	0.938	23.83	16.124	409.5	171.11	254.64
18	450	160	18.000	457.2	1.781	45.24	14.438	366.7	308.83	459.59
20	500	10	20.000	508.0	0.250	6.35	19.500	495.3	52.79	78.56
20	500	STD	20.000	508.0	0.375	9.52	19.250	488.9	78.68	117.09
20	500	XS	20.000	508.0	0.500	12.70	19.000	482.6	104.24	155.13
20	500	40	20.000	508.0	0.594	15.09	18.812	477.8	123.24	183.40
20	500	80	20.000	508.0	1.031	26.19	17.938	455.6	209.09	311.16
20	500	160	20.000	508.0	1.969	50.01	16.062	408.0	379.58	564.88

Pipe Schedule Chart

NPS	DN	Schedule	OD (in)	OD (mm)	Wall (in)	Wall (mm)	ID (in)	ID (mm)	lb/ft	kg/m
24	600	10	24.000	609.6	0.250	6.35	23.500	596.9	63.48	94.47
24	600	STD	24.000	609.6	0.375	9.52	23.250	590.5	94.72	140.96
24	600	XS	24.000	609.6	0.500	12.70	23.000	584.2	125.62	186.95
24	600	40	24.000	609.6	0.688	17.48	22.624	574.6	171.48	255.18
24	600	80	24.000	609.6	1.219	30.96	21.562	547.7	296.90	441.84
24	600	160	24.000	609.6	2.344	59.54	19.312	490.5	542.72	807.65