

oliver m. dean, inc.

- hygienic process equipment
- food, beverage, dairy, pharmaceutical & personal care

Pipe Dimensions Imperial/Metric Pipe Chart

Nominal Pipe Size Inches	Nominal Pipe Size mm	OD Inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickness Inches	Wall Thickness mm	Lbs/Ft	Kg/M
1/8	6	0.405	10.30	10/10S	0.049	1.24	0.1863	0.28
1/8	6	0.405	10.30	STD/40/40S	0.068	1.73	0.2447	0.36
1/8	6	0.405	10.30	XS/80/80S	0.095	2.41	0.3145	0.47
1/4	8	0.540	13.70	10/10S	0.065	1.65	0.3297	0.49
1/4	8	0.540	13.70	STD/40/40S	0.088	2.24	0.4248	0.63
1/4	8	0.540	13.70	XS/80/80S	0.119	3.02	0.5351	0.80
3/8	10	0.675	17.10	10/10S	0.065	1.65	0.4235	0.63
3/8	10	0.675	17.10	STD 40/40S	0.091	2.31	0.5676	0.84
3/8	10	0.675	17.10	XS 80/80S	0.126	3.20	0.7388	1.10
1/2	15	0.840	21.30	5/5S	0.065	1.65	0.5383	0.80
1/2	15	0.840	21.30	10/10S	0.083	2.11	0.671	1.00
1/2	15	0.840	21.30	STD 40/40S	0.109	2.77	0.851	1.27
1/2	15	0.840	21.30	XS 80/80S	0.147	3.73	1.088	1.62
1/2	15	0.840	21.30	160	0.188	4.78	1.309	1.95
1/2	15	0.840	21.30	XX	0.294	7.47	1.714	2.55
Nominal Pipe Size Inches	Nominal Pipe Size mm	OD Inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickness Inches	Wall Thickness mm	Lbs/Ft	Kg/M
3/4	20	1.050	26.7	5/5S	0.065	1.65	0.6838	1.02
3/4	20	1.050	26.7	10/10S	0.083	2.11	0.8572	1.28
3/4	20	1.050	26.7	STD/40/40S	0.113	2.87	1.131	1.68



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3/4	20	1.050	26.7	XS/80/80S	0.154	3.91	1.474	2.19
3/4	20	1.050	26.7	160	0.219	5.56	1.944	2.89
3/4	20	1.050	26.7	XX	0.308	7.82	2.441	3.63
1	25	1.315	33.4	5/5S	0.065	1.65	0.8678	1.29
1	25	1.315	33.4	10/10S	0.109	2.77	1.404	2.09
1	25	1.315	33.4	STD/40/40S	0.133	3.38	1.679	2.50
1	25	1.315	33.4	XS/80/80S	0.179	4.55	2.172	3.23
1	25	1.315	33.4	160	0.25	6.35	2.844	4.23
1	25	1.315	33.4	XX	0.358	9.09	3.659	5.45
Nominal Pipe Size Inches	Nominal Pipe Size mm	OD Inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickness Inches	Wall Thickness mm	Lbs/Ft	Kg/M
1-1/4	32	1.6600	42.2	5/5S	0.065	1.65	1.107	1.65
1-1/4	32	1.660	42.2	10/10S	0.109	2.77	1.806	2.69
1-1/4	32	1.660	42.2	STD/40/40S	0.140	3.56	2.273	3.38
1-1/4	32	1.660	42.2	XS/80/80S	0.191	4.85	2.997	4.46
1-1/4	32	1.660	42.2	160	0.250	6.35	3.765	5.60
1-1/4	32	1.660	42.2	XX	0.382	9.70	5.214	7.76
1-1/2	40	1.900	48.3	5/5S	0.065	1.65	1.274	1.90
1-1/2	40	1.900	48.3	10/10S	0.109	2.77	2.085	3.10
1-1/2	40	1.900	48.3	STD/40/40S	0.145	3.68	2.718	4.05
1-1/2	40	1.900	48.3	XS/80/80S	0.200	5.08	3.631	5.40
1-1/2	40	1.900	48.3	160	0.281	7.14	4.859	7.23
1-1/2	40	1.900	48.3	XX	0.400	10.16	6.408	9.54
2	50	2.375	60.3	5/5S	0.065	1.65	1.604	2.39
2	50	2.375	60.3	10/10S	0.109	2.77	2.638	3.93
2	50	2.375	60.3	STD/40/40S	0.154	3.91	3.653	5.44
2	50	2.375	60.3	XS/80/80S	0.218	5.54	5.022	7.47



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2	50	2.375	60.3	160	0.344	8.74	7.462	11.11
2	50	2.375	60.3	XX	0.436	11.07	9.029	13.44
Nominal Pipe Size Inches	Nominal Pipe Size mm	OD Inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickness Inches	Wall Thickness mm	Lbs/Ft	Kg/M
2-1/2	65	2.875	73	5/5S	0.083	2.11	2.475	3.68
2-1/2	65	2.875	73	10/10S	0.120	3.05	3.531	5.26
2-1/2	65	2.875	73	STD/40/40S	0.203	5.16	5.793	8.62
2-1/2	65	2.875	73	XS/80/80S	0.276	7.01	7.661	11.4
2-1/2	65	2.875	73	160	0.375	9.53	10.01	14.9
2-1/2	65	2.875	73	XX	0.552	14.02	13.69	20.37
3	80	3.500	88.9	5/5S	0.083	2.11	3.029	4.51
3	80	3.500	88.9	10/10S	0.120	3.05	4.332	6.45
3	80	3.500	88.9	STD/40/40S	0.216	5.49	7.576	11.27
3	80	3.500	88.9	XS/80/80S	0.300	7.62	10.25	15.25
3	80	3.500	88.9	160	0.438	11.13	14.32	21.31
3	80	3.500	88.9	XX	0.600	15.24	18.58	27.65
3-1/2	90	4.000	101.6	5/5S	0.083	2.11	3.472	5.17
3-1/2	90	4.000	101.6	10/10S	0.120	3.05	4.973	7.40
3-1/2	90	4.000	101.6	STD 40/40S	0.226	5.74	9.109	13.56
3-1/2	90	4.000	101.6	XS 80/80S	0.318	8.08	12.500	18.6
3-1/2	90	4.000	101.6	XX	0.636	16.15	22.850	34.01
Nominal Pipe Size Inches	Nominal Pipe Size mm	OD Inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickness Inches	Wall Thickness mm	Lbs/Ft	Kg/M
4	100	4.500	114.3	5/5S	0.083	2.11	3.915	5.83
4	100	4.500	114.3	10/10S	0.120	3.05	5.613	8.35
4	100	4.500	114.3	STD 40/40S	0.237	6.02	10.790	16.06



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4	100	4.500	114.3	XS 80/80S	0.337	8.56	14.980	22.29
4	100	4.500	114.3	120	0.438	11.13	19.000	28.28
4	100	4.500	114.3	160	0.531	13.49	22.510	33.50
4	100	4.500	114.3	XX	0.674	17.12	27.540	40.99
5	125	5.563	141.3	5/5S	0.109	2.77	6.349	9.45
5	125	5.563	141.3	10/10S	0.134	3.40	7.770	11.56
5	125	5.563	141.3	STD 40/40S	0.258	6.55	14.620	21.76
5	125	5.563	141.3	XS 80/80S	0.375	9.53	20.780	30.93
5	125	5.563	141.3	120	0.500	12.70	27.040	40.24
5	125	5.563	141.3	160	0.625	15.88	32.960	49.05
5	125	5.563	141.3	XX	0.750	19.05	38.550	57.37
Nominal Pipe Size Inches	Nominal Pipe Size mm	OD Inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickness Inches	Wall Thickness mm	Lbs/Ft	Kg/M
6	150	6.625	168.3	5/5S	0.109	2.77	7.585	11.29
6	150	6.625	168.3	10/10S	0.134	3.40	9.289	13.82
6	150	6.625	168.3	STD 40/40S	0.280	7.11	18.970	28.23
6	150	6.625	168.3	XS 80/80S	0.432	10.97	28.570	42.52
6	150	6.625	168.3	120	0.562	14.27	36.390	54.16
6	150	6.625	168.3	160	0.719	18.26	45.350	67.49
6	150	6.625	168.3	XX	0.864	21.95	53.160	79.12
8	200	8.625	219.1	5S	0.109	2.77	9.914	14.75
8	200	8.625	219.1	10/10S	0.148	3.76	13.600	19.94
8	200	8.625	219.1	20	0.250	6.35	22.360	33.28
8	200	8.625	219.1	30	0.277	7.04	24.700	36.76
8	200	8.625	219.1	STD/40/40S	0.322	8.18	28.550	42.49
8	200	8.625	219.1	60	0.406	10.31	35.640	53.04
8	200	8.625	219.1	XS/80/80S	0.500	12.70	43.390	64.58



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8	200	8.625	219.1	100	0.594	15.09	50.950	75.83
8	200	8.625	219.1	120	0.719	18.26	60.710	90.35
8	200	8.625	219.1	140	0.812	20.62	67.760	100.84
8	200	8.625	219.1	XX	0.875	22.23	72.420	107.78
8	200	8.625	219.1	160	0.906	23.01	74.690	111.16
Nominal Pipe Size Inches	Nominal Pipe Size mm	OD Inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickness Inches	Wall Thickness mm	Lbs/Ft	Kg/M
10	250	10.75	273.1	5S	0.134	3.40	15.190	22.61
10	250	10.75	273.1	10S	0.165	4.19	18.700	27.83
10	250	10.75	273.1	20	0.250	6.35	28.040	41.73
10	250	10.75	273.1	30	0.307	7.80	34.240	50.96
10	250	10.75	273.1	STD/40/40S	0.365	9.27	40.480	60.24
10	250	10.75	273.1	XS/60/80S	0.500	12.70	54.740	81.47
10	250	10.75	273.1	80	0.594	15.09	64.430	95.89
10	250	10.75	273.1	100	0.719	18.26	77.030	114.64
10	250	10.75	273.1	120	0.844	21.44	89.290	132.89
10	250	10.75	273.1	140/XX	1.000	25.40	104.130	154.97
10	250	10.75	273.1	160	1.125	28.58	115.640	172.10
12	300	12.75	323.9	5S	0.156	3.96	20.980	31.22
12	300	12.75	323.9	10S	0.180	4.57	24.200	36.02
12	300	12.75	323.9	20	0.250	6.35	33.380	49.68
12	300	12.75	323.9	30	0.330	8.38	43.770	65.14
12	300	12.75	323.9	STD/40S	0.375	9.53	49.560	73.76
12	300	12.75	323.9	40	0.406	10.31	53.520	79.65
12	300	12.75	323.9	XS/80S	0.500	12.70	65.420	97.36
12	300	12.75	323.9	60	0.562	14.27	73.150	108.87
12	300	12.75	323.9	80	0.688	17.48	88.630	131.90



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12	300	12.75	323.9	100	0.844	21.44	107.320	159.72
12	300	12.75	323.9	120/XX	1.000	25.40	125.490	186.76
12	300	12.75	323.9	140	1.125	28.58	139.670	207.86
12	300	12.75	323.9	160	1.312	33.32	160.270	238.52
Nominal Pipe Size Inches	Nominal Pipe Size mm	OD Inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickness Inches	Wall Thickness mm	Lbs/Ft	Kg/M
14	350	14	355.6	10S	0.188	4.78	27.73	41.27
14	350	14	355.6	10	0.250	6.35	36.71	54.63
14	350	14	355.6	20	0.312	7.92	45.61	67.88
14	350	14	355.6	STD/30/40S	0.375	9.53	54.57	81.21
14	350	14	355.6	40	0.438	11.13	63.44	94.41
14	350	14	355.6	XS/80S	0.500	12.70	72.09	107.29
14	350	14	355.6	60	0.594	15.09	85.05	126.58
14	350	14	355.6	80	0.750	19.05	106.13	157.95
14	350	14	355.6	100	0.938	23.83	130.85	194.74
14	350	14	355.6	120	1.094	27.79	150.90	224.58
14	350	14	355.6	140	1.250	31.75	170.21	253.32
14	350	14	355.6	160	1.406	35.71	189.10	281.43
16	400	16	406.4	10S	0.188	4.78	31.75	47.25
16	400	16	406.4	10	0.250	6.35	42.05	62.58
16	400	16	406.4	20	0.312	7.92	52.27	77.79
16	400	16	406.4	STD/30/40S	0.375	9.53	62.58	93.13
16	400	16	406.4	XS/40/80S	0.500	12.70	82.77	123.18
16	400	16	406.4	60	0.656	16.66	107.50	159.99
16	400	16	406.4	80	0.844	21.44	136.61	203.31
16	400	16	406.4	100	1.031	26.20	164.82	245.29
16	400	16	406.4	120	1.219	30.96	192.43	286.38



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16	400	16	406.4	140	1.438	36.53	223.64	332.83
16	400	16	406.4	160	1.594	40.49	245.25	364.99
Nominal Pipe Size Inches	Nominal Pipe Size mm	OD Inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickness Inches	Wall Thickness mm	Lbs/Ft	Kg/M
18	450	18	457.2	10S	0.188	4.78	35.76	53.22
18	450	18	457.2	10	0.250	6.35	47.39	70.53
18	450	18	457.2	20	0.312	7.92	58.94	87.72
18	450	18	457.2	STD/40S	0.375	9.53	70.59	105.06
18	450	18	457.2	30	0.438	11.13	82.15	122.26
18	450	18	457.2	XS/80S	0.500	12.70	93.45	139.08
18	450	18	457.2	40	0.562	14.27	104.67	155.78
18	450	18	457.2	60	0.750	19.05	138.17	205.63
18	450	18	457.2	80	0.938	23.83	170.92	254.37
18	450	18	457.2	100	1.156	29.36	207.96	309.50
18	450	18	457.2	120	1.375	34.93	244.14	363.34
18	450	18	457.2	140	1.562	39.67	274.22	408.11
18	450	18	457.2	160	1.781	45.24	308.5	459.13
20	500	20	508	10S	0.218	5.54	46.06	68.55
20	500	20	508	10	0.250	6.35	52.73	78.48
20	500	20	508	STD/20/40S	0.375	9.53	78.60	116.98
20	500	20	508	XS/30/80S	0.500	12.70	104.13	154.97
20	500	20	508	40	0.594	15.09	123.11	183.22
20	500	20	508	60	0.812	20.62	166.40	247.65
20	500	20	508	80	1.031	26.19	208.87	310.85
20	500	20	508	100	1.281	32.54	256.10	381.14
20	500	20	508	120	1.500	38.10	296.37	441.07
20	500	20	508	140	1.750	44.45	341.09	507.63



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20	500	20	508	160	1.969	50.01	379.17	564.30
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24	600	24	609.6	10/10S	0.250	6.35	63.41	94.37
24	600	24	609.6	STD/20/40S	0.375	9.53	94.62	140.82
24	600	24	609.6	XS/80S	0.500	12.70	125.49	186.76
24	600	24	609.6	30	0.562	14.27	140.68	209.37
24	600	24	609.6	40	0.688	17.48	171.29	254.92
24	600	24	609.6	60	0.969	24.61	238.35	354.72
24	600	24	609.6	80	1.219	30.96	296.58	441.39
24	600	24	609.6	100	1.531	38.89	367.39	546.77
24	600	24	609.6	120	1.812	46.02	429.39	639.04
24	600	24	609.6	140	2.062	52.37	483.10	718.97
24	600	24	609.6	160	2.344	59.54	542.13	806.83
30	750	30	762	10	0.312	7.92	98.93	147.23
30	750	30	762	STD/40S	0.375	9.53	118.65	176.58
30	750	30	762	XS/20/80S	0.500	12.70	157.53	234.44
30	750	30	762	30	0.625	15.88	196.08	291.82
36	900	36	914.4	10	0.312	7.92	118.92	176.98
36	900	36	914.4	STD/40S	0.375	9.53	142.68	212.34
36	900	36	914.4	XS/80S	0.500	12.70	189.57	282.13

