



STD, XS and XXS
 To distinguish different weights of pipe, three long standing traditional designations are used:
 standard wall - STD
 extra strong wall - XS
 double extra strong wall - XXS
 The last two designations are sometimes referred to as extra heavy wall (XH), and double extra heavy wall (XXH)

The steel pipe data chart below can be used to find pipe sizes, diameters, wall thickness, working pressures and more. The chart is based on ASME/ANSI B 36.10 Welded and Seamless Wrought Steel Pipe, and ASME/ANSI B36.19 Stainless Steel Pipe.

Nominal Pipe Size (NPS)

ASME/ANSI B36.10/19

Pipe dimensions, imperial / Metric pipe chart

Nom. Pipe Sizes		OD inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickn. inches	Wall Thickn. mm	Lbs/Ft	Kg/m
Inches	mm DN							
1/8"	6	0.405	10.29	10/10S	0.049	1.24	0.1863	0.28
1/8"	6	0.405	10.29	STD/40/40S	0.068	1.73	0.2447	0.36
1/8"	6	0.405	10.29	XS/80/80S	0.095	2.41	0.3145	0.47
1/4"	6	0.540	13.72	10/10S	0.065	1.65	0.3297	0.49
1/4"	8	0.540	13.72	STD/40/40S	0.088	2.24	0.4248	0.63
1/4"	8	0.540	13.72	XS/80/80S	0.119	3.02	0.5351	0.80
3/8"	10	0.675	17.15	10/10S	0.065	1.65	0.4235	0.63
3/8"	0	0.675	17.15	STD/40/40S	0.091	2.31	0.5676	0.84
3/8"	10	0.675	17.15	XS/80/80S	0.126	3.20	0.7388	1.10
1/2"	10	0.840	21.34	5/5S	0.065	1.65	0.5383	0.80
1/2"	15	0.840	21.34	10/10S	0.083	2.11	0.671	1.00
1/2"	15	0.840	21.34	STD/40/40S	0.109	2.77	0.851	1.27
1/2"	15	0.840	21.34	XS/80/80S	0.147	3.73	1.088	1.62
1/2"	15	0.840	21.34	160	0.188	4.78	1.309	1.95
1/2"	15	0.840	21.34	XX	0.294	7.47	1.714	2.55
3/4"	20	1.050	26.67	5/5S	0.065	1.65	0.684	1.02
3/4"	20	1.050	26.67	10/10S	0.083	2.11	0.857	1.28
3/4"	20	1.050	26.67	STD/40/40S	0.113	2.87	1.131	1.68
3/4"	20	1.050	26.67	XS/80/80S	0.154	3.91	1.474	2.19
3/4"	20	1.050	26.67	160	0.219	5.56	1.944	2.89
3/4"	20	1.050	26.67	XX	0.308	7.82	2.441	3.63
1"	25	1.315	33.40	5/5S	0.065	1.65	0.868	1.29
1"	25	1.315	33.40	10/10S	0.011	2.77	1.404	2.09
1"	25	1.315	33.40	STD/40/40S	0.133	3.38	1.679	2.50
1"	25	1.315	33.40	XS/80/80S	0.179	4.55	2.172	3.23
1"	25	1.315	33.40	160	0.250	6.35	2.844	4.23
1"	25	1.315	33.40	XX	0.358	9.09	3.659	5.45
1 1/4"	32	1.660	42.16	5/5S	0.065	1.65	1.107	1.65
1 1/4"	32	1.660	42.16	10/10S	0.109	2.77	1.806	2.69
1 1/4"	32	1.660	42.16	STD/40/40S	0.140	3.56	2.273	3.38
1 1/4"	32	1.660	42.16	XS/80/80S	0.191	4.85	2.997	4.46
1 1/4"	32	1.660	42.16	160	0.250	6.35	3.765	5.60
1 1/4"	32	1.660	42.16	XX	0.382	9.70	5.214	7.76
1 1/2"	40	1.900	48.26	5/5S	0.065	1.65	1.274	1.90
1 1/2"	40	1.900	48.26	10/10S	0.109	2.77	2.085	3.10
1 1/2"	40	1.900	48.26	STD/40/40S	0.145	3.68	2.718	4.05
1 1/2"	40	1.900	48.26	XS/80/80S	0.200	5.08	3.631	5.40



Nominal pipe sizes

Pipe dimensions, imperial / Metric pipe chart

Metline Industries

Registered Address: 83 A/B, Old
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16, Kalbadevi, Mumbai: 400002

Operations Office 1: 83, Dr. Mahesh-
wari Road, BIT Chawl No. 7, Near
Sandhurst Road Station, Dongri,
Mumbai: 400 009

Nom. Pipe Sizes		OD inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickn. inches	Wall Thickn. mm	Lbs/Ft	Kg/m
Inches	mm DN							
1 1/2"	40	1.900	48.26	160	0.281	7.14	4.859	7.23
1 1/2"	40	1.900	48.26	XX	0.400	10.16	6.408	9.54
2"	50	2.375	60.33	5/5S	0.065	1.65	1.604	2.39
2"	50	2.375	60.33	10/10S	0.109	2.77	2.638	3.93
2"	50	2.375	60.33	STD/40/40S	0.154	3.91	3.653	5.44
2"	50	2.375	60.33	XS/80/80S	0.218	5.54	5.022	7.47
2"	50	2.375	60.33	160	0.344	8.74	7.462	11.11
2"	50	2.375	60.33	XX	0.436	11.07	9.029	13.44
2 1/2"	65	2.875	73.03	5/5S	0.083	2.11	2.475	3.68
2 1/2"	65	2.875	73.03	10/10S	0.120	3.05	3.531	5.26
2 1/2"	65	2.875	73.03	STD/40/40S	0.203	5.16	5.793	8.62
2 1/2"	65	2.875	73.03	XS/80/80S	0.276	7.01	7.661	11.40
2 1/2"	65	2.875	73.03	160	0.375	9.53	10.01	14.80
2 1/2"	65	2.875	73.03	XX	0.552	14.02	13.69	20.37
3"	80	3.500	88.90	5/5S	0.083	2.11	3.029	4.51
3"	80	3.500	88.90	10/10S	0.120	3.05	4.332	6.45
3"	80	3.500	88.90	STD/40/40S	0.216	5.49	7.576	11.27
3"	80	3.500	88.90	XS/80/80S	0.300	7.62	10.250	15.25
3"	80	3.500	88.90	160	0.438	11.13	14.320	21.31
3"	80	3.500	88.90	XX	0.600	15.24	18.580	27.65
3 1/2"	90	4.000	101.60	5/5S	0.083	2.11	3.472	5.17
3 1/2"	90	4.000	101.60	10/10S	0.120	3.05	4.973	7.40
3 1/2"	90	4.000	101.60	STD/40/40S	0.226	5.74	9.109	13.56
3 1/2"	90	4.000	101.60	XS/80/80S	0.318	8.08	12.500	18.60
3 1/2"	90	4.000	101.60	XX	0.636	16.15	22.850	34.01
4"	100	4.500	114.30	5/5S	0.083	2.11	3.915	5.83
4"	100	4.500	114.30	10/10S	0.120	3.05	5.613	8.35
4"	100	4.500	114.30	STD/40/40S	0.237	6.02	10.790	16.06
4"	100	4.500	114.30	XS/80/80S	0.337	8.56	14.980	22.29
4"	100	4.500	114.30	120	0.438	11.13	19.000	28.28
4"	100	4.500	114.30	160	0.531	13.49	22.510	33.50
4"	100	4.500	114.30	XX	0.374	17.12	27.540	40.99
5"	125	5.563	141.30	5/5S	0.109	2.77	6.349	9.45
5"	125	5.630	141.30	10/10S	0.134	3.4	7.770	11.56
5"	125	5.630	141.30	STD/40/40S	0.258	6.55	14.620	21.76
5"	125	5.630	141.30	XS/80/80S	0.375	9.53	20.780	30.93
5"	125	5.630	141.30	160	0.500	12.70	27.040	40.24



Nominal pipe sizes

Metline Industries

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Mumbai: 400 009

Pipe dimensions, imperial / Metric pipe chart

Nom. Pipe Sizes		OD inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickn. inches	Wall Thickn. mm	Lbs/Ft	Kg/m
Inches	mm DN							
5"	125	5.630	141.30	XX	0.625	15.88	32.960	49.05
5"	125	5.630	141.30	5/5S	0.750	19.05	38.550	57.37
6"	150	6.625	168.28	5/5S	0.109	2.77	7.585	11.29
6"	150	6.625	168.28	10/10S	0.134	3.40	9.289	13.82
6"	150	6.625	168.28	STD/40/40S	0.280	7.11	18.970	28.23
6"	150	6.625	168.28	XS/80/80S	0.432	10.97	28.570	42.52
6"	150	6.625	168.28	120	0.562	14.27	36.390	54.16
6"	150	6.625	168.28	160	0.719	18.26	45.350	67.49
6"	150	6.625	168.28	XX	0.864	21.95	53.160	79.12
8"	200	8.625	219.08	5/5S	0.109	2.77	9.914	14.75
8"	200	8.625	219.08	10/10S	0.148	3.76	13.600	19.94
8"	200	8.625	219.08	20	0.250	6.35	22.360	33.28
8"	200	8.625	219.08	30	0.277	7.04	24.700	36.76
8"	200	8.625	219.08	STD/40/40S	0.322	8.18	28.550	42.49
8"	200	8.625	219.08	60	0.406	10.31	34.640	53.04
8"	200	8.625	219.08	XS/80/80S	0.500	12.70	43.390	64.58
8"	200	8.625	219.08	100	0.594	15.09	50.950	75.83
8"	200	8.625	219.08	120	0.719	18.26	60.710	90.35
8"	200	8.625	219.08	140	0.812	20.62	67.760	100.84
8"	200	8.625	219.08	XX	0.875	22.23	72.420	107.78
8"	200	8.625	219.08	160	0.906	23.01	74.690	111.16
10"	250	10.750	273.05	5S	0.134	3.40	15.190	22.61
10"	250	10.750	273.05	10S	0.165	4.19	18.700	27.83
10"	250	10.750	273.05	20	0.250	6.35	28.040	41.73
10"	250	10.750	273.05	30	0.307	7.80	34.240	50.96
10"	250	10.750	273.05	STD/40/40S	0.365	9.27	40.480	60.24
10"	250	10.750	273.05	XS/60/80S	0.500	12.70	54.740	81.47
10"	250	10.750	273.05	80	0.594	15.09	64.430	95.89
10"	250	10.750	273.05	100	0.719	18.26	77.030	114.64
10"	250	10.750	273.05	120	0.844	21.44	89.290	132.89
10"	250	10.750	273.05	140/XX	1.000	25.40	104.130	154.97
10"	250	10.750	273.05	160	1.250	28.58	115.640	175.10
12"	300	12.750	323.85	5S	0.156	3.96	20.980	31.22
12"	300	12.750	323.85	10S	0.180	4.57	24.200	36.02
12"	300	12.750	323.85	20	0.250	6.35	33.380	49.68
12"	300	12.750	323.85	30	0.330	8.38	43.770	65.14
12"	300	12.750	323.85	STD/40S	0.375	9.53	49.560	73.76



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Pipe dimensions, imperial / Metric pipe chart

Nom. Pipe Sizes		OD inches	OD mm	Schedule Designations ANSI/ASME	Wall Thickn. inches	Wall Thickn. mm	lbs/Ft	Kg/m
Inches	mm DN							
12"	300	12.750	323.85	40	0.406	10.31	53.520	79.65
12"	300	12.750	323.85	XS/80S	0.500	12.70	65.420	97.36
12"	300	12.750	323.85	60	0.562	14.27	73.150	108.87
12"	300	12.750	323.85	80.00	0.688	17.48	88.630	11.90
12"	300	12.750	323.85	100	0.844	21.44	107.320	159.72
12"	300	12.750	323.85	120/XX	1.000	25.40	125.490	186.76
12"	300	12.750	323.85	140	1.125	28.58	139.670	207.86
12"	300	12.750	323.85	160	1.312	33.32	160.270	238.52
14"	350	14.000	355.60	10S	0.188	4.78	27.730	41.27
14"	350	14.000	355.60	10	0.250	6.35	36.710	54.63
14"	350	14.000	355.60	20	0.312	7.92	45.610	67.88
14"	350	14.000	355.60	STD/30/40S	0.375	9.53	54.570	81.21
14"	350	14.000	355.60	40	0.438	11.13	63.440	94.41
14"	350	14.000	355.60	XS/80S	0.500	12.70	72.090	107.29
14"	350	14.000	355.60	60	0.594	15.09	85.050	126.58
14"	350	14.000	355.60	80	0.750	19.05	106.130	157.95
14"	350	14.000	355.60	100	0.938	23.83	130.850	194.74
14"	350	14.000	355.60	120	1.094	27.79	150.900	224.58
14"	350	14.000	355.60	140	1.250	31.75	170.210	253.32
14"	350	14.000	355.60	160	1.406	35.71	189.100	281.43
16"	400	16.000	406.40	10S	0.188	4.78	31.750	47.25
16"	400	16.000	406.40	10	0.250	6.35	42.050	62.58
16"	400	16.000	406.40	20	0.312	7.92	62.270	77.79
16"	400	16.000	406.40	STD/30/40S	0.375	9.53	62.580	93.13
16"	400	16.000	406.40	XS/40/80S	0.500	12.70	82.770	123.18
16"	400	16.000	406.40	60	0.656	16.66	107.500	159.99
16"	400	16.000	406.40	80	0.844	21.44	136.610	203.31
16"	400	16.000	406.40	100	1.031	26.20	164.820	245.29
16"	400	16.000	406.40	120	1.219	30.96	192.430	286.37
16"	400	16.000	406.40	140	1.438	36.53	223.640	332.83
16"	400	16.000	406.40	160	1.594	40.49	245.250	364.99
18"	450	18.000	457.20	10S	0.188	4.78	35.760	53.22
18"	450	18.000	457.20	10	0.250	6.35	47.390	70.53
18"	450	18.000	457.20	20	0.312	7.92	58.940	87.72
18"	450	18.000	457.20	STD/40S	0.375	9.53	70.590	105.06
18"	450	18.000	457.20	30	0.438	11.13	82.150	122.26
18"	450	18.000	457.20	XS/80S	0.500	12.70	93.450	138.08



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Inches	mm DN							
18"	450	18.000	457.20	40	0.562	14.27	104.670	155.78
18"	450	18.000	457.20	60	0.750	19.05	138.170	205.63
18"	450	18.000	457.20	80	0.938	23.83	170.920	254.37
18"	450	18.000	457.20	100	1.156	29.36	207.960	309.50
18"	450	18.000	457.20	120	1.375	34.93	244.140	363.34
18"	450	18.000	457.20	140	1.562	39.67	274.220	408.11
18"	450	18.000	457.20	160	1.781	45.24	308.500	459.13
20"	500	20.000	508.00	10S	0.218	5.54	46.060	68.55
20"	500	20.000	508.00	10	0.250	6.35	52.730	78.48
20"	500	20.000	508.00	STD/20/40S	0.375	9.53	78.60	116.98
20"	500	20.000	508.00	XS/30/80S	0.500	12.70	104.130	154.97
20"	500	20.000	508.00	40	0.594	15.09	123.110	183.22
20"	500	20.000	508.00	60	0.812	20.62	166.400	247.65
20"	500	20.000	508.00	80	1.031	26.19	208.870	310.85
20"	500	20.000	508.00	100	1.281	32.54	256.100	381.14
20"	500	20.000	508.00	120	1.500	38.10	296.370	441.07
20"	500	20.000	508.00	140	1.750	44.45	341.090	507.63
20"	500	20.000	508.00	160	1.969	50.01	379.170	564.30
24"	600	24.000	609.60	10/10S	0.250	6.35	63.410	94.37
24"	600	24.000	609.60	STD/20/40S	0.375	9.53	94.620	140.82
24"	600	24.000	609.60	XS/80S	0.500	12.70	125.490	186.76
24"	600	24.000	609.60	30	0.562	14.27	140.680	209.37
24"	600	24.000	609.60	40	0.688	17.48	171.290	254.92
24"	600	24.000	609.60	60	0.969	24.61	238.350	354.72
24"	600	24.000	609.60	80	1.219	30.96	296.580	441.39
24"	600	24.000	609.60	100	1.531	38.89	367.390	546.77
24"	600	24.000	609.60	120	1.812	46.02	429.390	639.04
24"	600	24.000	609.60	140	2.062	52.37	483.100	718.97
24"	600	24.000	609.60	160	2.344	59.54	542.130	806.3
30"	750	30.000	762.00	10	0.361	7.92	98.930	147.23
30"	750	30.000	762.00	STD/40S	0.375	9.53	118.650	176.58
30"	750	30.000	762.00	XS/20/80S	0.500	12.70	157.530	234.44
30"	750	30.000	762.00	30	0.625	15.88	196.080	291.82
36"	900	36.000	914.40	10	0.312	7.92	118.920	176.98
36"	900	36.000	914.40	STD/40S	0.375	9.53	142.680	212.34
36"	900	36.000	914.40	XS/80S	0.500	12.70	189.570	282.13