



281-769-5273 (USA)



sales@azureintl.com



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Nominal pipe size	OD inch	5 S	10 S	10	20	30	STD	40 S	40	60	XS	80 S	80	100	120	140	160	XXS
1/8	0.405		0.049 0.19				0.680 0.24	0.680 0.24	0.680 0.24		0.095 0.31	0.095 0.32	0.095 0.31					
1/4	0.540		0.065 0.34				0.088 0.42	0.088 0.43	0.088 0.42		0.119 0.54	0.119 0.55	0.119 0.54					
3/8	0.675		0.065 0.43				0.091 0.57	0.091 0.58	0.091 0.57		0.126 0.74	0.126 0.75	0.126 0.74					
1/2	0.840	0.065 0.55	0.083 0.68				0.109 0.85	0.109 0.87	0.109 0.85		0.147 1.09	0.147 1.11	0.147 1.09				0.188 1.31	0.294 1.71
3/4	1.050	0.065 0.70	0.083 0.88				0.113 1.13	0.113 1.15	0.113 1.13		0.154 1.47	0.154 1.50	0.154 1.47				0.219 1.94	0.308 2.44
1	1.315	0.065 0.80	0.109 1.43				0.113 1.68	0.113 1.71	0.113 1.68		0.179 2.17	0.179 2.21	0.179 2.17				0.250 2.84	0.358 3.66
1 1/4	1.660	0.109 1.13	0.109 1.85				0.140 2.27	0.140 2.32	0.140 2.27		0.191 3.00	0.191 3.06	0.191 3.00				0.250 3.76	0.382 5.21
1 1/2	1.900	0.109 1.31	0.109 2.13				0.145 2.72	1.145 2.77	1.145 2.72		0.200 3.63	0.200 3.70	0.200 3.63				0.281 4.86	0.400 6.41
2	2.375	0.065 1.64	0.109 2.69				0.154 3.65	0.154 3.72	0.154 3.65		0.218 5.02	0.218 5.12	0.218 5.02				0.344 7.46	0.436 9.03
2 1/2	2.875	0.083 2.53	0.120 3.60				0.203 5.79	0.203 5.91	0.203 5.79		0.276 7.66	0.276 7.81	0.276 7.66				0.375 10.01	0.552 13.69
3	3.500	0.083 3.09	0.120 4.42				0.216 7.58	0.216 7.73	0.216 7.58		0.300 10.25	0.300 10.46	0.300 10.25				0.438 14.32	0.600 18.58
3 1/2	4.000	0.083 3.55	0.120 5.07				0.226 9.11	0.226 9.29	0.226 9.11		0.318 12.50	0.318 12.76	0.318 12.50					
4	4.500	0.083 4.00	0.120 5.72				0.237 10.79	0.237 11.01	0.237 10.79		0.337 14.98	0.337 15.28	0.337 14.98		0.438 19.00		0.531 22.51	0.674 27.54
5	5.563	0.109 6.49	0.134 7.93				0.258 14.62	0.258 14.91	0.258 14.62		0.375 20.78	0.375 21.20	0.375 20.78		0.500 27.04		0.625 32.96	0.750 38.55
6	6.625	0.109 7.75	0.134 9.48				0.280 18.97	0.278 19.35	0.280 18.97		0.432 28.57	0.432 29.14	0.432 28.57		0.562 36.39		0.719 45.35	0.864 53.16
8	8.625	0.109 10.13	0.148 13.67		0.250 22.36	0.277 24.70	0.322 28.55	0.322 29.12	0.322 28.55	0.406 35.64	0.500 43.39	0.500 44.26	0.500 43.39	0.534 50.95	0.719 60.71	0.812 67.76	0.906 74.69	0.875 72.42
10	10.750	0.134 15.49	0.165 19.02		0.250 28.04	0.307 34.24	0.365 40.48	0.365 41.29	0.365 40.48	0.500 40.48	0.500 54.74	0.500 55.83	0.594 64.43	0.719 77.03	0.844 89.29	1.000 104.13	1.125 115.64	1.000 104.13
12	12.750	0.156 21.40	0.180 24.65		0.250 33.38	0.330 43.77	0.375 49.56	0.375 50.55	0.406 53.52	0.562 73.15	0.500 65.42	0.500 66.73	0.688 88.64	0.844 107.32	1.000 125.49	1.125 139.67	1.312 160.27	1.000 125.49
14	14.000	0.156 23.53	0.188 28.28	0.250 36.71	0.312 45.61	0.375 54.57	0.375 54.57		0.438 63.44	0.594 85.05	0.500 72.09		0.750 106.13	0.938 130.85	1.094 150.79	1.250 170.21	1.406 189.11	
16	16.000	0.165 28.46	0.188 32.39	0.250 42.05	0.312 52.27	0.375 62.58	0.375 62.58		0.500 82.77	0.656 107.50	0.500 82.77		0.844 136.61	1.031 164.82	1.219 192.43	1.438 223.64	1.594 245.25	
18	18.000	0.165 32.06	0.188 36.48	0.250 47.39	0.312 58.94	0.375 82.15	0.375 70.59		0.562 104.67	0.750 138.17	0.500 93.45		0.938 170.92	1.156 207.96	1.375 244.14	1.562 274.22	1.781 308.50	
20	20.000	0.188 40.58	0.218 46.98	0.250 52.73	0.375 78.60	0.500 104.13	0.375 78.60		0.594 123.11	0.812 166.40	0.500 104.13		1.031 208.87	1.281 256.10	1.500 296.37	1.750 341.09	1.969 379.17	
22	22.000	0.188 44.68	0.218 51.72	0.250 58.07	0.375 86.61	0.500 114.81	0.375 86.61		0.875 197.41	0.500 114.81			1.125 250.81	1.375 302.88	1.625 353.61	1.875 403.00	2.125 451.06	
24	24.000	0.218 56.48	0.250 64.68	0.250 63.41	0.375 94.62	0.500 140.68	0.375 94.62		0.688 171.29	0.969 238.35	0.500 125.49		1.219 296.58	1.531 367.39	1.812 429.39	2.062 483.12	2.344 542.13	
26	26.000			0.312 85.60	0.500 136.17		0.375 102.63				0.500 136.17							
28	28.000			0.312 92.26	0.500 92.26		0.375 110.64				0.500 146.85							
30	30.000	0.250 81.02	0.312 100.91	0.312 98.93	0.500 98.93		0.375 118.65				0.500 157.53							
32	32.000			0.312 105.59	0.500 105.59		0.375 126.66		0.688 230.08		0.500 168.21							
34	34.000			0.312 112.25	0.500 178.89		0.375 134.67		0.688 244.77		0.500 178.89							
36	36.000			0.312 118.92	0.500 189.57		0.375 142.68		0.750 282.35		0.500 189.57							
38	38.000						0.375 150.69				0.500 200.25							
40	40.000						0.375 158.70				0.500 210.93							
42	42.000						0.375 166.71				0.500 221.61							
44	44.000						0.375 174.72				0.500 232.29							
46	46.000						0.375 182.73				0.500 242.97							
48	48.000						0.375 190.74				0.500 253.65							



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1/8	10.30		1.240 0.28				1.730 0.37	1.730 0.36	1.730 0.37		2.410 0.47	2.410 0.48	2.410 0.47					
1/4	13.70		1.650 0.51				2.240 0.63	2.240 0.64	2.240 0.63		3.020 0.80	3.020 0.82	3.020 0.80					
3/8	17.10		1.650 0.64				2.310 0.84	2.310 0.86	2.310 0.84		3.200 1.10	3.200 1.12	3.200 1.10					
1/2	21.30	1.650 0.82	2.110 1.01				2.770 1.27	2.770 1.30	2.770 1.27		3.730 1.62	3.730 1.65	3.730 1.62				4.780 1.95	7.470 2.55
3/4	26.70	1.650 1.04	2.110 1.31				2.870 1.69	2.870 1.71	2.870 1.69		3.910 2.20	3.910 2.24	3.910 2.20				5.560 2.90	7.820 3.64
1	33.40	1.650 1.33	2.770 2.13				3.380 2.50	3.380 2.55	3.380 2.50		4.550 3.24	4.550 3.29	4.550 3.24				6.350 4.24	9.090 5.45
1 1/4	42.20	1.650 1.68	2.770 2.76				3.560 3.39	3.560 3.46	3.560 3.39		4.850 4.47	4.850 4.56	4.850 4.47				6.350 5.61	9.700 7.77
1 1/2	48.30	1.650 1.95	2.770 3.17				3.680 4.05	3.680 4.13	3.680 4.05		5.080 5.41	5.080 5.51	5.080 5.41				7.140 7.25	10.150 9.56
2	60.30	1.650 2.44	2.770 4.01				3.910 5.44	3.910 5.54	3.910 5.44		5.540 7.48	5.540 7.63	5.540 7.48				8.740 11.11	11.070 13.44
2 1/2	73.00	1.650 3.77	3.050 5.36				5.160 8.63	5.160 8.81	5.160 8.63		7.010 11.41	7.010 11.64	7.010 11.41				9.530 14.92	14.020 20.39
3	88.90	2.110 4.60	3.050 6.59				5.490 11.29	5.490 11.52	5.490 11.29		7.620 15.27	7.620 15.59	7.620 15.27				11.130 21.35	15.240 27.68
3 1/2	101.60	2.110 5.29	3.050 7.55				6.020 13.57	6.020 13.84	6.020 13.57		8.560 18.63	8.560 19.01	8.560 18.63					
4	114.30	2.110 5.96	3.050 8.52				6.020 16.07	6.020 16.40	6.020 16.07		8.560 22.32	8.560 22.77	8.560 22.32		11.130 28.32		13.490 33.54	17.120 41.03
5	141.30	2.770 9.67	3.400 11.82				6.550 21.77	6.550 22.20	6.550 21.77		9.530 30.97	9.530 31.59	9.530 30.97		12.700 40.28		15.880 49.11	19.050 57.43
6	168.30	2.770 11.55	3.400 14.13				7.110 28.26	7.110 28.83	7.110 28.26		10.970 42.56	10.970 43.42	10.970 42.56		14.270 54.20		18.260 67.56	21.950 79.22
8	219.10	2.770 15.09	3.760 20.37		6.350 33.31	7.040 36.81	8.180 42.55	8.180 43.39	8.180 42.55	10.310 53.08	12.700 64.64	12.700 65.95	12.700 64.64	15.090 75.92	18.260 90.44	20.620 100.92	23.010 111.27	22.230 107.92
10	273.10	3.400 23.08	4.190 28.34		6.350 41.77	7.800 51.03	9.270 60.31	9.270 61.52	9.270 60.31	12.700 81.55	12.700 81.55	12.700 83.19	15.090 96.01	18.260 114.75	21.440 133.06	25.400 155.15	28.580 172.33	25.400 155.15
12	323.90	3.960 31.89	4.570 36.73		6.350 49.73	8.380 65.20	9.530 73.88	9.520 75.32	10.310 79.73	14.270 108.96	12.700 97.46	12.700 99.43	17.480 132.08	21.440 159.91	26.190 186.97	28.580 208.14	33.320 238.76	25.400 186.97
14	355.60	3.960 35.06	4.780 42.14	6.350 54.69	7.920 67.90	9.530 81.33	9.530 81.33		11.130 94.55	15.090 126.71	12.700 107.39		19.050 158.10	23.830 194.96	27.790 224.65	31.750 253.56	35.710 281.70	
16	406.40	4.190 42.41	4.780 48.26	6.350 62.64	7.920 77.83	9.530 93.27	9.530 93.27		12.700 123.30	16.660 160.12	12.700 123.30		21.440 203.53	26.190 245.56	30.960 286.64	36.530 333.19	40.490 365.35	
18	457.00	4.190 47.77	4.780 54.36	6.350 70.57	7.920 81.71	11.130 122.38	9.530 105.16		14.270 155.80	19.050 205.74	12.700 139.15		23.880 254.55	29.360 309.62	34.930 363.56	39.670 408.26	45.240 459.37	
20	508.00	4.780 60.46	5.540 70.00	6.350 78.55	9.530 117.15	12.700 155.12	9.530 117.15		15.090 183.42	20.620 247.83	12.700 155.12		26.190 311.17	32.540 384.53	38.100 441.49	44.450 508.11	50.010 564.81	
22	559.00	4.780 66.57	5.540 77.06	6.350 77.06	9.530 129.13	12.700 171.09	9.530 129.13			22.230 294.25	12.700 171.09		28.580 373.83	34.930 451.42	41.280 527.02	47.630 600.63	53.980 672.26	
24	610.00	5.540 84.16	6.350 96.37	6.350 94.53	9.530 141.12	14.270 209.64	9.530 141.12		17.480 255.41	24.610 355.26	12.700 187.06		30.960 442.08	38.890 547.71	46.020 630.03	52.370 720.15	59.540 808.22	
26	660.00			7.920 127.36	12.700 202.72		9.530 152.87				12.700 202.72							
28	711.00			7.920 137.32	12.700 218.69	15.880 271.21	9.530 164.85				12.700 218.69							
30	762.00	6.350 120.72	7.920 150.36	7.920 147.28	12.700 234.67	15.880 292.18	9.530 176.84				12.700 134.67							
32	813.00			7.920 157.24	12.700 250.64	15.880 312.15	9.530 186.82		17.480 342.91		12.700 250.64							
34	864.00			7.920 167.20	12.700 266.61	15.880 332.12	9.530 200.31		17.480 364.90		12.700 266.61							
36	914.00			7.920 176.96	12.700 282.27	15.880 351.70	9.530 212.56		19.050 420.42		12.700 282.27							
38	965.00						9.530 224.54				12.700 298.24							
40	1016.00						9.530 236.53				12.700 314.22							
42	1067.00						9.530 248.52				12.700 330.19							
44	1118.00						9.530 260.50				12.700 346.16							
46	1168.00						9.530 272.25				12.700 351.82							
48	1219.00						9.530 282.24				12.700 377.79							