

PVC PIPE DIMENSIONS

Nominal Pipe Size	Wall Thickness		Average OD	Outside Diameters	
	Minimum	Tolerance		Average	Tolerance Out-of-Roundness
ASTM D 1785, PVC PIPE, SCHEDULE 40					
1	0.133	+0.020	1.315	±0.005	±0.010
1¼	0.140	+0.020	1.660	±0.005	±0.012
1½	0.145	+0.020	1.900	±0.006	±0.012
2	0.154	+0.020	2.375	±0.006	±0.012
2½	0.203	+0.024	2.875	±0.007	±0.015
3	0.216	+0.026	3.500	±0.008	±0.015
3½	0.226	+0.027	4.000	±0.008	±0.050
4	0.237	+0.028	4.500	±0.009	±0.050
5	0.258	+0.031	5.563	±0.010	±0.050
6	0.280	+0.034	6.625	±0.011	±0.050
8	0.322	+0.039	8.625	±0.015	±0.075
10	0.365	+0.044	10.750	±0.015	±0.075
12	0.406	+0.049	12.750	±0.015	±0.075
ASTM D 1785, PVC PIPE, SCHEDULE 80					
1	0.179	+0.021	1.315	±0.005	±0.010
1¼	0.191	+0.023	1.660	±0.005	±0.012
1½	0.200	+0.024	1.900	±0.006	±0.012
2	0.218	+0.026	2.375	±0.006	±0.012
2½	0.276	+0.033	2.875	±0.007	±0.015
3	0.300	+0.036	3.500	±0.008	±0.015
3½	0.318	+0.038	4.000	±0.008	±0.015
4	0.337	+0.040	4.500	±0.009	±0.015
5	0.375	+0.045	5.563	±0.010	±0.030
6	0.432	+0.052	6.625	±0.011	±0.035
8	0.500	+0.060	8.625	±0.015	±0.075
10	0.593	+0.071	10.750	±0.015	±0.075
12	0.687	+0.082	12.750	±0.015	±0.075
ASTM D 2241, PVC PIPE (SDR-PR), SDR 21 (200)					
1	0.063	+0.020	1.315	±0.005	±0.015
1¼	0.079	+0.020	1.660	±0.005	±0.015
1½	0.090	+0.020	1.900	±0.006	±0.030
2	0.113	+0.020	2.375	±0.006	±0.030
2½	0.137	+0.020	2.875	±0.007	±0.030
3	0.167	+0.020	3.500	±0.008	±0.030
3½	0.190	+0.023	4.000	±0.008	±0.050
4	0.214	+0.026	4.500	±0.009	±0.050
5	0.265	+0.032	5.563	±0.010	±0.050

PVC PIPE DIMENSIONS -- Continued

Nominal Pipe Size	Wall Thickness		Outside Diameters		
	Minimum	Tolerance	Average OD	Average Tolerance	Out-of-Roundness
ASTM D 2241, PVC PIPE (SDR-PR), SDR 21 (200) - Continued					
6	0.316	+0.038	6.625	±0.011	±0.050
8	0.410	+0.049	8.625	±0.015	±0.075
10	0.511	+0.061	10.750	±0.015	±0.075
12	0.606	+0.073	12.750	±0.015	±0.075
ASTM D 2241, PVC PIPE (SDR-PR), SDR 26 (160)					
1	0.060	+0.020	1.315	±0.005	±0.015
1¼	0.064	+0.020	1.660	±0.005	±0.015
1½	0.073	+0.020	1.900	±0.006	±0.030
2	0.091	+0.020	2.375	±0.006	±0.030
2½	0.110	+0.020	2.875	±0.007	±0.030
3	0.135	+0.020	3.500	±0.008	±0.030
3½	0.154	+0.020	4.000	±0.008	±0.050
4	0.173	+0.021	4.500	±0.009	±0.050
5	0.214	+0.027	5.563	±0.010	±0.050
6	0.255	+0.031	6.625	±0.011	±0.050
8	0.332	+0.040	8.625	±0.015	±0.075
10	0.413	+0.050	10.750	±0.015	±0.075
12	0.490	+0.059	12.750	±0.015	±0.075
ASTM D 2241, PVC PIPE (SDR-PR), SDR 32.5 (125)					
3	0.108	+0.020	3.500	±0.008	±0.030
3½	0.123	+0.020	4.000	±0.008	±0.050
4	0.138	+0.020	4.500	±0.009	±0.050
5	0.171	+0.021	5.563	±0.010	±0.050
6	0.204	+0.024	6.625	±0.011	±0.050
8	0.265	+0.032	8.625	±0.015	±0.075
10	0.331	+0.040	10.750	±0.015	±0.075
12	0.392	+0.047	12.750	±0.015	±0.075
ASTM D 2241, PVC PIPE (SDR-PR), SDR 41 (100)					
3½	0.098	+0.020	4.000	±0.008	±0.050
4	0.110	+0.020	4.500	±0.009	±0.050
5	0.136	+0.020	5.563	±0.010	±0.050
6	0.162	+0.020	6.625	±0.011	±0.050
8	0.210	+0.025	8.625	±0.015	±0.075
10	0.262	+0.031	10.750	±0.015	±0.075
12	0.311	+0.037	12.750	±0.015	±0.075

PVC PIPE DIMENSIONS – Continued

Nominal Pipe Size	Wall Thickness		Outside Diameters		
	Minimum	Tolerance	Average OD	Average	Tolerance Out-of-Roundness
ASTM D3034, PVC SEWER PIPE, DR 35					
4	0.120	a	4.215	±0.009	a
6	0.180	a	6.275	±0.011	a
8	0.240	a	8.400	±0.012	a
10	0.300	a	10.500	±0.015	a
12	0.360	a	12.500	±0.018	a
15	0.437	a	15.300	±0.023	a
ASTM F679, PVC SEWER PIPE					
18	0.536 (T-1)	a	18.701	±0.028	a
18	0.499 (T-2)	a	18.701	±0.028	a
21	0.632 (T-1)	a	22.047	±0.033	a
21	0.588 (T-2)	a	22.047	±0.033	a
24	0.711 (T-1)	a	24.803	±0.037	a
24	0.661 (T-2)	a	24.803	±0.037	a
27	0.801 (T-1)	a	27.953	±0.042	a
27	0.745 (T-2)	a	27.953	±0.042	a
a Note: Maximum wall thickness tolerance not specified in ASTM D3034. Out-of-roundness tolerance not specified in ASTM F679.					
AWWA C900, PVC PRESSURE PIPE ^d , PC 100					
4	0.192	+0.023	4.800	±0.009	e
6	0.276	+0.033	6.900	±0.011	e
8	0.362	+0.043	9.050	±0.015	e
10	0.444	+0.053	11.100	±0.015	e
12	0.528	+0.063	13.200	±0.015	e
AWWA C900, PVC PRESSURE PIPE ^d , PC 150					
4	0.267	+0.032	4.800	±0.009	e
6	0.383	+0.046	6.900	±0.011	e
8	0.503	+0.060	9.050	±0.015	e
10	0.617	+0.074	11.100	±0.015	e
12	0.733	+0.088	13.200	±0.015	e
AWWA C900, PVC PRESSURE PIPE ^d , PC 200					
4	0.343	+0.041	4.800	±0.009	e
6	0.493	+0.059	6.900	±0.011	e
8	0.646	+0.078	9.050	±0.015	e
10	0.793	+0.095	11.100	±0.015	e
12	0.943	+0.113	13.200	±0.015	e

^d Note: Cast iron (CI) outside diameter listed only

^e Note: Out-of-roundness tolerance on outside diameter not specified in AWWA C900.