

PVC Pipe Size Chart: Schedule 40 and 80

Outside diameter (OD), average inside diameter (ID) and minimum wall, inches and mm.

SIZE	OD IN	OD MM	SCH 40 ID	ID MM	WALL	SCH 80 ID	ID MM	WALL
1/8"	0.405	10.3	0.249	6.3	0.068	n/a	n/a	n/a
1/4"	0.540	13.7	0.344	8.7	0.088	0.282	7.2	0.119
3/8"	0.675	17.1	0.473	12.0	0.091	0.403	10.2	0.126
1/2"	0.840	21.3	0.602	15.3	0.109	0.526	13.4	0.147
3/4"	1.050	26.7	0.804	20.4	0.113	0.722	18.3	0.154
1"	1.315	33.4	1.029	26.1	0.133	0.936	23.8	0.179
1-1/4"	1.660	42.2	1.360	34.5	0.140	1.255	31.9	0.191
1-1/2"	1.900	48.3	1.590	40.4	0.145	1.476	37.5	0.200
2"	2.375	60.3	2.047	52.0	0.154	1.913	48.6	0.218
2-1/2"	2.875	73.0	2.445	62.1	0.203	2.290	58.2	0.276
3"	3.500	88.9	3.042	77.3	0.216	2.864	72.7	0.300
3-1/2"	4.000	101.6	3.521	89.4	0.226	3.326	84.5	0.318
4"	4.500	114.3	3.998	101.5	0.237	3.786	96.2	0.337
5"	5.563	141.3	5.016	127.4	0.258	4.768	121.1	0.375
6"	6.625	168.3	6.031	153.2	0.280	5.709	145.0	0.432
8"	8.625	219.1	7.942	201.7	0.322	7.565	192.2	0.500
10"	10.750	273.1	9.976	253.4	0.365	9.493	241.1	0.593
12"	12.750	323.8	11.889	302.0	0.406	11.294	286.9	0.687

Schedule 40 and Schedule 80 of one size have the same outside diameter. Schedule 80 has the thicker wall and the smaller inside.

Charlotte Pipe's Schedule 40 PVC is white and its Schedule 80 dark gray.

Class 200 (SDR 21) and Class 160 (SDR 26) pipe have the same outside as Schedule 40 and a thinner wall.

4" sewer and drain pipe (ASTM D3034, D2729) is 4.215" across, smaller than 4" Schedule 40.

CTS CPVC is narrower: 1/2" CTS CPVC is 0.625" across.

Thread only Schedule 80 or heavier PVC. Don't thread Schedule 40 or class pipe.

Sources: Spears Manufacturing and Charlotte Pipe pipe tables (ASTM D1785). Inside diameters are Spears' averages.

