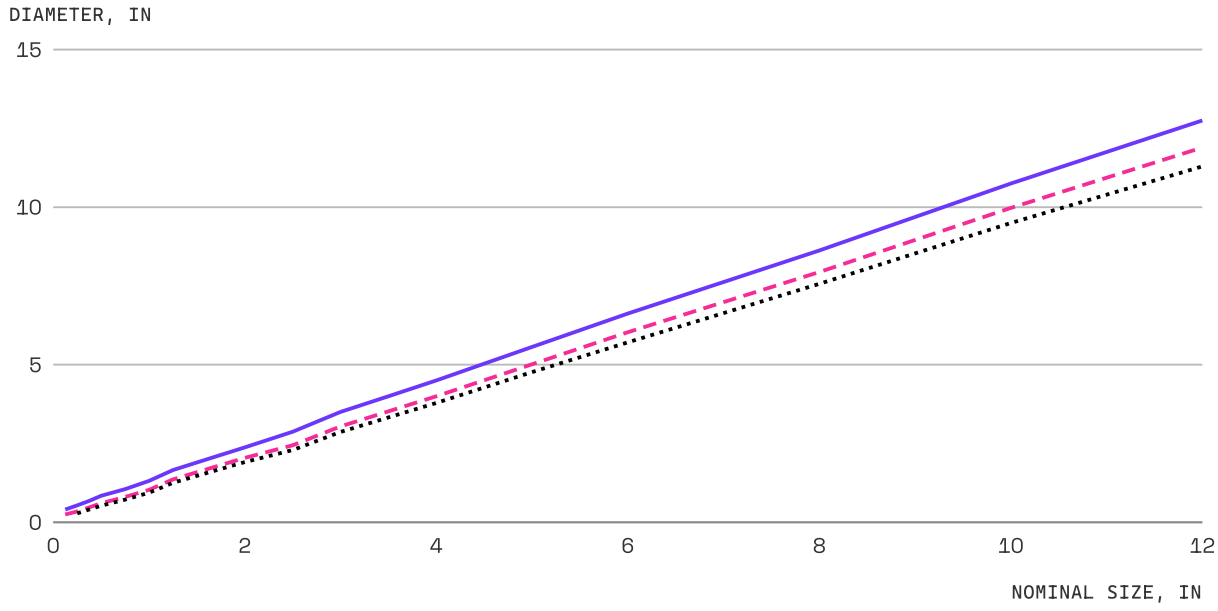
PVC pipe size chart

PVC pipe from 1/8 to 12 inch runs from 0.405 to 12.750 in outside diameter (10.3 to 323.8 mm), with Schedule 40, Schedule 80 for each size. PVC pipe uses iron pipe sizes (IPS): each nominal size has one outside diameter, and the wall grows with the schedule.

PVC pipe by nominal size: outside diameter in inches and millimeters, and the wall and inside diameter of each schedule, in inches, as published

NOMINAL SIZE	OD, IN	OD, MM	SCHEDULE 40 MIN. WALL, IN	SCHEDULE 40 AVERAGE ID, IN	SCHEDULE 80 MIN. WALL, IN	SCHEDULE 80 AVERAGE ID, IN	SCHEDULE 40 GALLONS PER FOOT
1/8"	0.405	10.3	0.068	0.249	—	—	0.0025
1/4"	0.540	13.7	0.088	0.344	0.119	0.282	0.0048
3/8"	0.675	17.1	0.091	0.473	0.126	0.403	0.0091
1/2"	0.840	21.3	0.109	0.602	0.147	0.526	0.0148
3/4"	1.050	26.7	0.113	0.804	0.154	0.722	0.0264
1"	1.315	33.4	0.133	1.029	0.179	0.936	0.0432
1-1/4"	1.660	42.2	0.140	1.360	0.191	1.255	0.0755
1-1/2"	1.900	48.3	0.145	1.590	0.200	1.476	0.1031
2"	2.375	60.3	0.154	2.047	0.218	1.913	0.171
2-1/2"	2.875	73.0	0.203	2.445	0.276	2.290	0.2439
3"	3.500	88.9	0.216	3.042	0.300	2.864	0.3776
3-1/2"	4.000	101.6	0.226	3.521	0.318	3.326	0.5058
4"	4.500	114.3	0.237	3.998	0.337	3.786	0.6521
5"	5.563	141.3	0.258	5.016	0.375	4.768	1.0265
6"	6.625	168.3	0.280	6.031	0.432	5.709	1.484
8"	8.625	219.1	0.322	7.942	0.500	7.565	2.5735
10"	10.750	273.1	0.365	9.976	0.593	9.493	4.0604

NOMINAL SIZE	OD, IN	OD, MM	SCHEDULE 40 MIN. WALL, IN	SCHEDULE 40 AVERAGE ID, IN	SCHEDULE 80 MIN. WALL, IN	SCHEDULE 80 AVERAGE ID, IN	SCHEDULE 40 GALLONS PER FOOT
12"	12.750	323.8	0.406	11.889	0.687	11.294	5.767



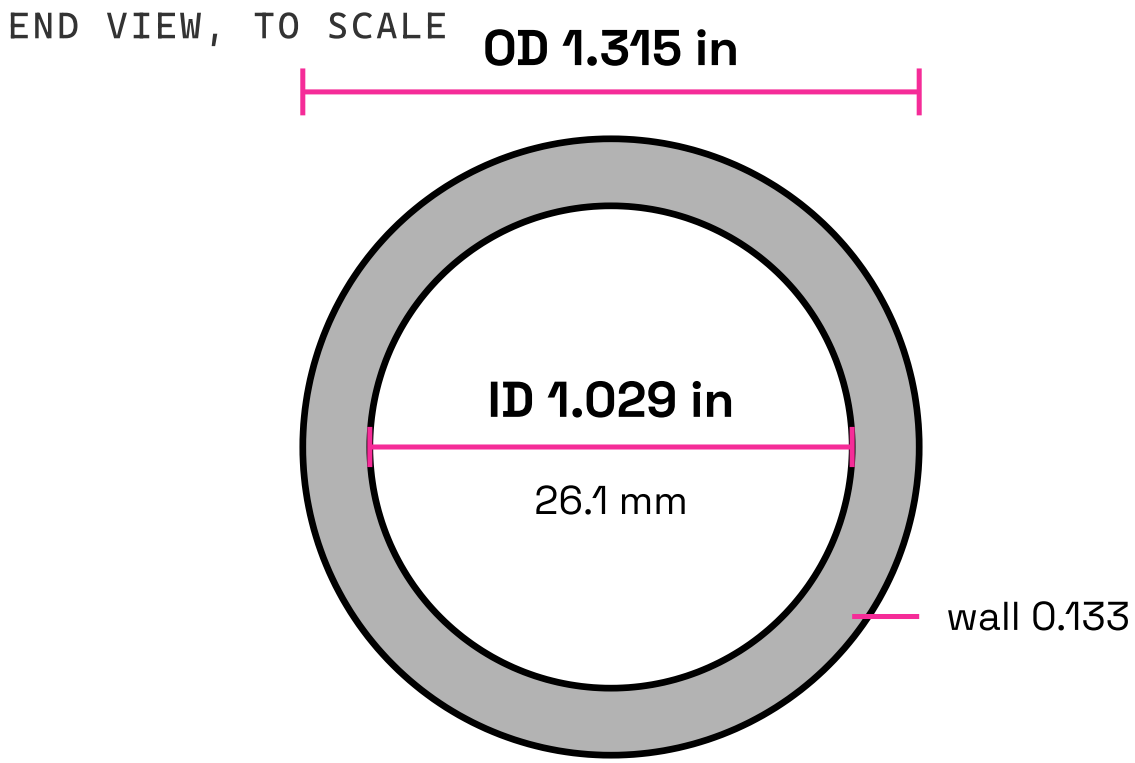
Outside and inside diameter of PVC pipe by nominal size.

Why a 1 inch PVC pipe is not 1 inch across

The nominal size is a trade name, not a measurement. 1 inch PVC pipe measures 1.315 in outside and 1.029 in inside at Schedule 40. PVC pipe uses iron pipe sizes (IPS): each nominal size has one outside diameter, and the wall grows with the schedule. To match a fitting, compare outside diameters; to work out how much water a pipe holds, use the inside diameter.

How to measure PVC pipe to find its size

Measure the outside diameter: calipers across the widest point, or a tape wrapped once around the pipe divided by 3.1416. Find the nearest outside diameter in the chart; the print on the pipe gives the schedule. The pipe size identifier matches a measurement against every material at once. For the water a run holds, use the pipe volume calculator.



1 in Schedule 40 PVC pipe, outside and inside diameter

SOURCES

- Spears Manufacturing Company (PDF, date not stated): Dimensions & Pressure Ratings (PVC & CPVC pipe; section of the Spears Industrial Products catalog IP-4)

Values compared with these documents, last on 2026-11-15.

Methodology. Values are the published figures of the documents above.