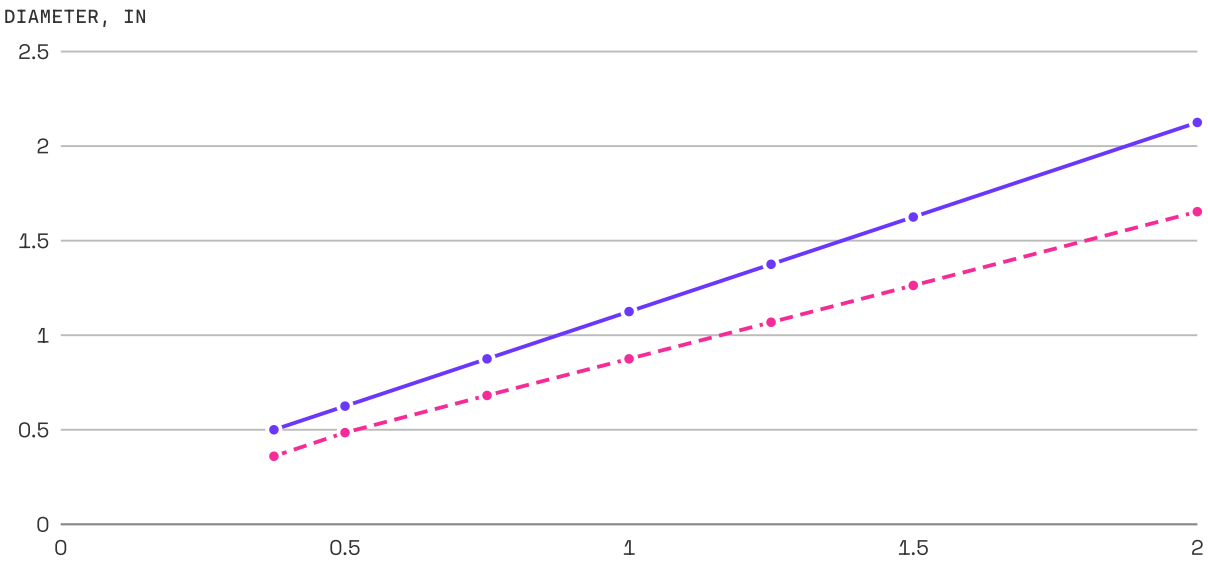
PEX pipe size chart

PEX tubing from 3/8 to 2 inch runs from 0.500 to 2.125 in outside diameter (12.7 to 54.0 mm), with SDR 9. PEX tubing is made in copper tube sizes (CTS), the size system of copper water tube.

PEX tubing by nominal size: outside diameter in inches and millimeters, and the wall and inside diameter of each dimension ratio, in inches, as published; an inside diameter marked * is the outside diameter minus twice the wall

NOMINAL SIZE	OD, IN	OD, MM	SDR 9 MIN. WALL, IN	SDR 9 ID, IN	SDR 9 GALLONS PER FOOT
3/8"	0.500	12.7	0.070	0.360*	0.0053
1/2"	0.625	15.9	0.070	0.485*	0.0096
3/4"	0.875	22.2	0.097	0.681*	0.0189
1"	1.125	28.6	0.125	0.875*	0.0312
1-1/4"	1.375	34.9	0.153	1.069*	0.0466
1-1/2"	1.625	41.3	0.181	1.263*	0.0651
2"	2.125	54.0	0.236	1.653*	0.1115



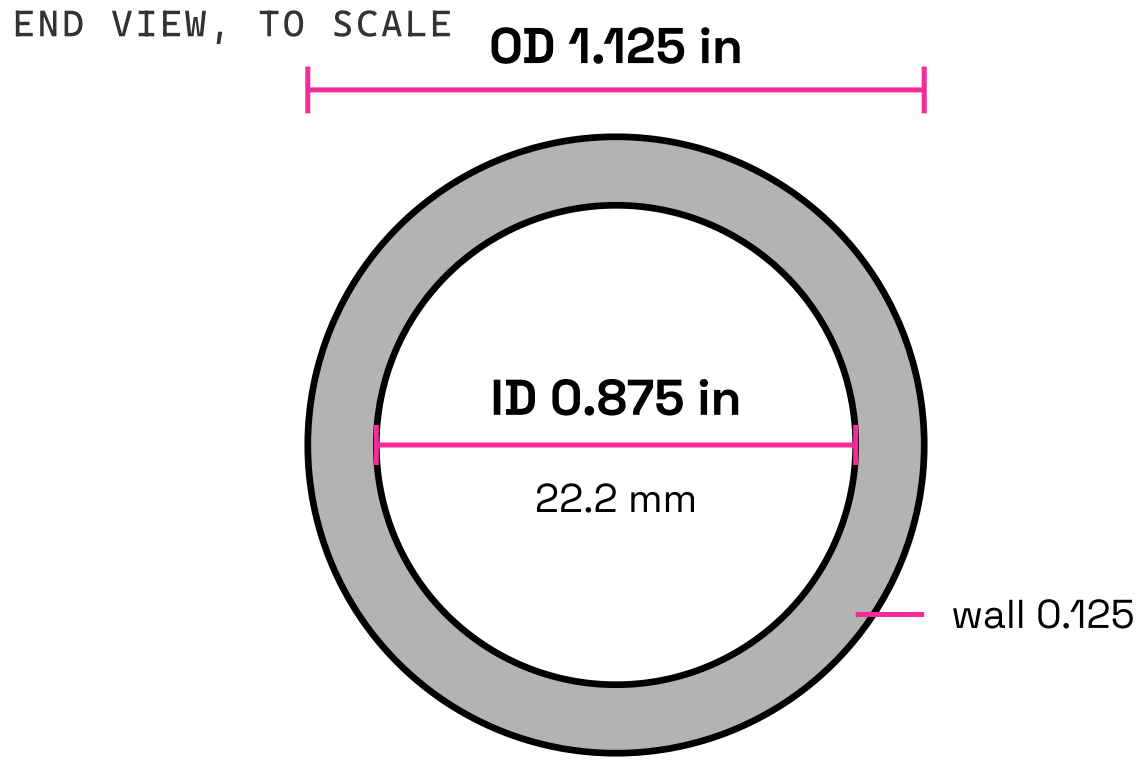
Outside and inside diameter of PEX tubing by nominal size.

Why a 1 inch PEX pipe is not 1 inch across

The nominal size is a trade name, not a measurement. 1 inch PEX pipe measures 1.125 in outside and 0.875 in inside at SDR 9. PEX tubing is made in copper tube sizes (CTS), the size system of copper water tube. To match a fitting, compare outside diameters; to work out how much water a pipe holds, use the inside diameter.

How to measure PEX 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 dimension ratio. 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 SDR 9 PEX pipe, outside and inside diameter

SOURCES

- Sioux Chief Manufacturing Company (Rev. 11-25): PowerPEX Type-B PEX Tube, 664 & 665 Series, Specification Sheet
- Sioux Chief Manufacturing Company (Rev. 09-25): PowerPEX Type-A PEX Tube, 664 & 665 Series, Specification Sheet

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

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