

Copper Pipe Size Chart: Type K, L and M

Outside diameter (OD), inside diameter (ID) and wall, inches; OD also in mm.

SIZE	OD IN	OD MM	K ID	K WALL	L ID	L WALL	M ID	M WALL
1/4"	0.375	9.5	0.305	0.035	0.315	0.030	n/a	n/a
3/8"	0.500	12.7	0.402	0.049	0.430	0.035	0.450	0.025
1/2"	0.625	15.9	0.527	0.049	0.545	0.040	0.569	0.028
5/8"	0.750	19.0	0.652	0.049	0.666	0.042	n/a	n/a
3/4"	0.875	22.2	0.745	0.065	0.785	0.045	0.811	0.032
1"	1.125	28.6	0.995	0.065	1.025	0.050	1.055	0.035
1-1/4"	1.375	34.9	1.245	0.065	1.265	0.055	1.291	0.042
1-1/2"	1.625	41.3	1.481	0.072	1.505	0.060	1.527	0.049
2"	2.125	54.0	1.959	0.083	1.985	0.070	2.009	0.058
2-1/2"	2.625	66.7	2.435	0.095	2.465	0.080	2.495	0.065
3"	3.125	79.4	2.907	0.109	2.945	0.090	2.981	0.072
3-1/2"	3.625	92.1	3.385	0.120	3.425	0.100	3.459	0.083
4"	4.125	104.8	3.857	0.134	3.905	0.110	3.935	0.095
5"	5.125	130.2	4.805	0.160	4.875	0.125	4.907	0.109
6"	6.125	155.6	5.741	0.192	5.845	0.140	5.881	0.122
8"	8.125	206.4	7.583	0.271	7.725	0.200	7.785	0.170
10"	10.125	257.2	9.449	0.338	9.625	0.250	9.701	0.212
12"	12.125	308.0	11.315	0.405	11.565	0.280	11.617	0.254



DWV SIZE	OD IN	OD MM	ID	WALL
1-1/4"	1.375	34.9	1.295	0.040
1-1/2"	1.625	41.3	1.541	0.042
2"	2.125	54.0	2.041	0.042
3"	3.125	79.4	3.030	0.045
4"	4.125	104.8	4.009	0.058
5"	5.125	130.2	4.981	0.072
6"	6.125	155.6	5.959	0.083
8"	8.125	206.4	7.907	0.109

The outside diameter is always 1/8" larger than the size, for Types K, L, M and DWV alike. The wall sets the inside.

Print color: green Type K, blue Type L, red Type M, yellow DWV.

PEX and CTS CPVC are copper tube size: 1/2" is 0.625" across, like 1/2" copper.

ACR (air conditioning and refrigeration) tube is named by its actual outside diameter: 3/8" ACR is 0.375" across.

Sources: Copper Development Association, The Copper Tube Handbook (2026), Tables 14.1 and 14.2a-e.

