

## DIMENSIONES DE TUBOS COMERCIALES

### DIMENSIONES DE TUBOS DE ACERO CALIBRE 40

Tamaño nominal de la tubería (pulg)	Diámetro exterior		Grosor de la pared		Diámetro interior			Área de flujo	
	(pulg)	(mm)	(pulg)	(mm)	(pulg)	(pie)	(mm)	(pie <sup>2</sup> )	(m <sup>2</sup> )
1/8	0.405	10.3	0.095	2.41	0.215	0.017 92	5.5	0.000 253	2.350 × 10 <sup>-5</sup>
1/4	0.540	13.7	0.119	3.02	0.302	0.025 17	7.7	0.000 497	4.617 × 10 <sup>-5</sup>
3/8	0.675	17.1	0.126	3.20	0.423	0.035 25	10.7	0.000 976	9.067 × 10 <sup>-5</sup>
1/2	0.840	21.3	0.147	3.73	0.546	0.045 50	13.9	0.001 625	1.510 × 10 <sup>-4</sup>
3/4	1.050	26.7	0.154	3.91	0.742	0.061 83	18.8	0.003 00	2.787 × 10 <sup>-4</sup>
1	1.315	33.4	0.179	4.55	0.957	0.079 75	24.3	0.004 99	4.636 × 10 <sup>-4</sup>
1 1/4	1.660	42.2	0.191	4.85	1.278	0.106 5	32.5	0.008 91	8.278 × 10 <sup>-4</sup>
1 1/2	1.900	48.3	0.200	5.08	1.500	0.125 0	38.1	0.012 27	1.140 × 10 <sup>-3</sup>
2	2.375	60.3	0.218	5.54	1.939	0.161 6	49.3	0.020 51	1.905 × 10 <sup>-3</sup>
2 1/2	2.875	73.0	0.276	7.01	2.323	0.193 6	59.0	0.029 44	2.735 × 10 <sup>-3</sup>
3	3.500	88.9	0.300	7.62	2.900	0.241 7	73.7	0.045 90	4.264 × 10 <sup>-3</sup>
3 1/2	4.000	101.6	0.318	8.08	3.364	0.280 3	85.4	0.061 74	5.736 × 10 <sup>-3</sup>
4	4.500	114.3	0.337	8.56	3.826	0.318 8	97.2	0.079 86	7.419 × 10 <sup>-3</sup>
5	5.563	141.3	0.375	9.53	4.813	0.401 1	122.3	0.126 3	1.173 × 10 <sup>-2</sup>
6	6.625	168.3	0.432	10.97	5.761	0.480 1	146.3	0.181 0	1.682 × 10 <sup>-2</sup>
8	8.625	219.1	0.500	12.70	7.625	0.635 4	193.7	0.317 4	2.949 × 10 <sup>-2</sup>
10	10.750	273.1	0.593	15.06	9.564	0.797 0	242.9	0.498 6	4.632 × 10 <sup>-2</sup>
12	12.750	323.9	0.687	17.45	11.376	0.948 0	289.0	0.705 6	6.555 × 10 <sup>-2</sup>
14	14.000	355.6	0.750	19.05	12.500	1.042	317.5	0.852 1	7.916 × 10 <sup>-2</sup>
16	16.000	406.4	0.842	21.39	14.314	1.193	363.6	1.117	0.1038
18	18.000	457.2	0.937	23.80	16.126	1.344	409.6	1.418	0.1317
20	20.000	508.0	1.031	26.19	17.938	1.495	455.6	1.755	0.1630
24	24.000	609.6	1.218	30.94	21.564	1.797	547.7	2.535	0.2344

## DIMENSIONES DE TUBOS DE ACERO CALIBRE 80

Tamaño nominal de la tubería (pulgadas)	Diámetro exterior		Grosor de la pared		Diámetro interior			Área de flujo	
	(pulg)	(mm)	(pulg)	(mm)	(pulg)	(pie)	(mm)	(pie <sup>2</sup> )	(m <sup>2</sup> )
1/8	0.405	10.3	0.068	1.73	0.269	0.0224	6.8	0.000 394	3.660 × 10 <sup>-5</sup>
1/4	0.540	13.7	0.088	2.24	0.364	0.0303	9.2	0.000 723	6.717 × 10 <sup>-5</sup>
3/8	0.675	17.1	0.091	2.31	0.493	0.0411	12.5	0.001 33	1.236 × 10 <sup>-4</sup>
1/2	0.840	21.3	0.109	2.77	0.622	0.0518	15.8	0.002 11	1.960 × 10 <sup>-4</sup>
3/4	1.050	26.7	0.113	2.87	0.824	0.0687	20.9	0.003 70	3.437 × 10 <sup>-4</sup>
1	1.315	33.4	0.133	3.38	1.049	0.0874	26.6	0.006 00	5.574 × 10 <sup>-4</sup>
1 1/4	1.660	42.2	0.140	3.56	1.380	0.1150	35.1	0.010 39	9.653 × 10 <sup>-4</sup>
1 1/2	1.900	48.3	0.145	3.68	1.610	0.1342	40.9	0.014 14	1.314 × 10 <sup>-3</sup>
2	2.375	60.3	0.154	3.91	2.067	0.1723	52.5	0.023 33	2.168 × 10 <sup>-3</sup>
2 1/2	2.875	73.0	0.203	5.16	2.469	0.2058	62.7	0.033 26	3.090 × 10 <sup>-3</sup>
3	3.500	88.9	0.216	5.49	3.068	0.2557	77.9	0.051 32	4.768 × 10 <sup>-3</sup>
3 1/2	4.000	101.6	0.226	5.74	3.548	0.2957	90.1	0.068 68	6.381 × 10 <sup>-3</sup>
4	4.500	114.3	0.237	6.02	4.026	0.3355	102.3	0.088 40	8.213 × 10 <sup>-3</sup>
5	5.563	141.3	0.258	6.55	5.047	0.4206	128.2	0.139 0	1.291 × 10 <sup>-2</sup>
6	6.625	168.3	0.280	7.11	6.065	0.5054	154.1	0.200 6	1.864 × 10 <sup>-2</sup>
8	8.625	219.1	0.322	8.18	7.981	0.6651	202.7	0.347 2	3.226 × 10 <sup>-2</sup>
10	10.750	273.1	0.365	9.27	10.020	0.8350	254.5	0.547 9	5.090 × 10 <sup>-2</sup>
12	12.750	323.9	0.406	10.31	11.938	0.9948	303.2	0.777 1	7.219 × 10 <sup>-2</sup>
14	14.000	355.6	0.437	11.10	13.126	1.094	333.4	0.939 6	8.729 × 10 <sup>-2</sup>
16	16.000	406.4	0.500	12.70	15.000	1.250	381.0	1.227	0.1140
18	18.000	457.2	0.562	14.27	16.876	1.406	428.7	1.553	0.1443
20	20.000	508.0	0.593	15.06	18.814	1.568	477.9	1.931	0.1794
24	24.000	609.6	0.687	17.45	22.626	1.886	574.7	2.792	0.2594

## DIMENSIONES DE TUBERIAS DE COBRE TIPO K

Diámetro exterior		Grosor de la pared		Diámetro interior			Área de flujo	
(pulg)	(mm)	(pulg)	(mm)	(pulg)	(pie)	(mm)	(pie <sup>2</sup> )	(m <sup>2</sup> )
1/8	3.18	0.032	0.813	0.061	0.00508	1.549	$2.029 \times 10^{-5}$	$1.885 \times 10^{-6}$
		0.035	0.889	0.055	0.00458	1.397	$1.650 \times 10^{-5}$	$1.533 \times 10^{-6}$
3/16	4.76	0.032	0.813	0.124	0.01029	3.137	$8.319 \times 10^{-5}$	$7.728 \times 10^{-6}$
		0.035	0.889	0.117	0.00979	2.985	$7.530 \times 10^{-5}$	$6.996 \times 10^{-6}$
1/4	6.35	0.035	0.889	0.180	0.01500	4.572	$1.767 \times 10^{-4}$	$1.642 \times 10^{-5}$
		0.049	1.24	0.152	0.01267	3.861	$1.260 \times 10^{-4}$	$1.171 \times 10^{-5}$
5/16	7.94	0.035	0.889	0.243	0.02021	6.160	$3.207 \times 10^{-4}$	$2.980 \times 10^{-5}$
		0.049	1.24	0.215	0.01788	5.448	$2.509 \times 10^{-4}$	$2.331 \times 10^{-5}$
3/8	9.53	0.035	0.889	0.305	0.02542	7.747	$5.074 \times 10^{-4}$	$4.714 \times 10^{-5}$
		0.049	1.24	0.277	0.02308	7.036	$4.185 \times 10^{-4}$	$3.888 \times 10^{-5}$
1/2	12.70	0.049	1.24	0.402	0.03350	10.21	$8.814 \times 10^{-4}$	$8.189 \times 10^{-5}$
		0.065	1.65	0.370	0.03083	9.40	$7.467 \times 10^{-4}$	$6.937 \times 10^{-5}$
5/8	15.88	0.049	1.24	0.527	0.04392	13.39	$1.515 \times 10^{-3}$	$1.407 \times 10^{-4}$
		0.065	1.65	0.495	0.04125	12.57	$1.336 \times 10^{-3}$	$1.242 \times 10^{-4}$
3/4	19.05	0.049	1.24	0.652	0.05433	16.56	$2.319 \times 10^{-3}$	$2.154 \times 10^{-4}$
		0.065	1.65	0.620	0.05167	15.75	$2.097 \times 10^{-3}$	$1.948 \times 10^{-4}$
7/8	22.23	0.049	1.24	0.777	0.06475	19.74	$3.293 \times 10^{-3}$	$3.059 \times 10^{-4}$
		0.065	1.65	0.745	0.06208	18.92	$3.027 \times 10^{-3}$	$2.812 \times 10^{-4}$
1	25.40	0.065	1.65	0.870	0.07250	22.10	$4.128 \times 10^{-3}$	$3.835 \times 10^{-4}$
		0.083	2.11	0.834	0.06950	21.18	$3.794 \times 10^{-3}$	$3.524 \times 10^{-4}$
1 1/4	31.75	0.065	1.65	1.120	0.09333	28.45	$6.842 \times 10^{-3}$	$6.356 \times 10^{-4}$
		0.083	2.11	1.084	0.09033	27.53	$6.409 \times 10^{-3}$	$5.954 \times 10^{-4}$
1 1/2	38.10	0.065	1.65	1.370	0.1142	34.80	$1.024 \times 10^{-2}$	$9.510 \times 10^{-4}$
		0.083	2.11	1.334	0.1112	33.88	$9.706 \times 10^{-3}$	$9.017 \times 10^{-4}$
1 3/4	44.45	0.065	1.65	1.620	0.1350	41.15	$1.431 \times 10^{-2}$	$1.330 \times 10^{-3}$
		0.083	2.11	1.584	0.1320	40.23	$1.368 \times 10^{-2}$	$1.271 \times 10^{-3}$
2	50.80	0.065	1.65	1.870	0.1558	47.50	$1.907 \times 10^{-2}$	$1.772 \times 10^{-3}$
		0.083	2.11	1.834	0.1528	46.58	$1.835 \times 10^{-2}$	$1.704 \times 10^{-3}$