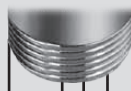



## How to Measure Pipe Size for Male NPT or BSP Threads—Example shows pipe size 3/8.

Pipe size is not an actual measured size, but rather an industry designation. Align your pipe with the “0” line as shown. The line on the opposite edge gives the pipe size. You can also measure the OD, then find the corresponding pipe size in the chart. If your measurement doesn’t match an OD listed, round to the nearest 1/8”.



Pipe Size:	0	1/16	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
OD:	0	1/16	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3

 To measure larger pipe sizes, go to [mcmaster.com](http://mcmaster.com) and search for **4464KAC**. For information about fittings and pipe, see pages 2-3.

## Standard-Wall Stainless Steel Threaded Pipe Nipples and Pipe



Fully Threaded    Threaded on Both Ends    Threaded on One End

- Fittings: Use threaded Class 150 low-pressure stainless steel (see pages 4-9, 13)
- Flanges: Use threaded Class 150 low-pressure stainless steel (see page 9)

Designed for low-pressure flow applications, this pipe is also known as Schedule 40. *Seamless* pipe has a smooth interior for unrestricted flow and is stronger than welded pipe. *Welded* pipe has a weld bead on the inside.

**304 stainless steel** pipe offers very good corrosion resistance. **316 stainless steel** pipe has excellent corrosion resistance. **Alloy 20 stainless steel** pipe has the best corrosion resistance of all the stainless steel pipe we offer. Alloy 20 stainless steel is also known as Carpenter 20 and resists cracking from stress and corrosion.

**Fully threaded** pipe is also known as a close nipple; it is threaded on each end to the center.

### 304/304L Stainless Steel

- Use with air, natural gas, oil, steam, water

**NPT**—1/8-3/8 pipe sizes are seamless; 1/2-6 pipe sizes are welded. All meet ANSI/ASME B1.20.1, ASTM A312, and ASTM A733.

**BSPT** and **BSPT x NPT**—Pipe is welded and meets ASTM A312.

NPT Fully Threaded							
Pipe Size	Lg.			Pipe Size	Lg.		
1/8	3/4"	<b>4830K111</b>	\$1.45	1/2	1 1/8"	<b>4830K171</b>	\$2.39
1/4	7/8"	<b>4830K131</b>	1.65	3/4	1 3/8"	<b>4830K191</b>	2.98
3/8	1"	<b>4830K151</b>	1.96	1	1 1/2"	<b>4830K221</b>	3.96
				1 1/4	1 5/8"	<b>4830K241</b>	\$5.33
				1 1/2	1 3/4"	<b>4830K261</b>	6.16
				2	2"	<b>4830K281</b>	9.49
				2 1/2	2 1/2"	<b>4830K293</b>	\$16.44
				3	2 5/8"	<b>4830K294</b>	22.82
				4	2 7/8"	<b>4830K295</b>	29.34

NPT Threaded on Both Ends												
Pipe Size		1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	5 1/2"	6"	6 1/2"
1/8	<b>4813K134</b>	\$1.84	\$2.16	\$2.47	\$2.78	\$3.18	\$3.49	\$3.80	\$4.16	\$4.47	\$4.78	\$5.61
1/4	<b>4813K135</b>	1.96	2.35	2.75	3.14	3.65	4.08	4.47	4.90	5.29	5.69	6.71
3/8	<b>4813K136</b>	2.27	2.71	3.22	3.69	4.27	4.75	5.22	5.73	6.20	6.67	7.92
1/2	<b>4813K137</b>	2.82	3.29	3.88	4.47	5.22	5.80	6.43	7.02	7.61	8.20	9.65
3/4	<b>4813K138</b>	3.14	3.65	4.31	4.98	5.80	6.47	7.14	7.76	8.43	9.10	10.67
1	<b>4813K139</b>	—	4.86	5.65	6.55	7.65	8.51	9.37	10.27	11.14	12.04	12.46
1 1/4	<b>4813K141</b>	—	—	7.18	8.27	9.69	10.82	11.16	11.43	12.42	13.38	15.68
1 1/2	<b>4813K142</b>	—	—	7.88	9.14	10.67	11.92	12.30	12.59	13.69	14.79	17.40
2	<b>4813K143</b>	—	—	10.20	11.65	12.74	13.34	14.75	16.16	17.57	18.97	22.51
2 1/2	<b>4813K144</b>	—	—	—	18.60	22.66	23.40	25.12	27.28	29.47	31.53	37.06
3	<b>4813K145</b>	—	—	—	24.88	30.20	31.05	33.71	34.35	37.09	39.84	44.39
4	<b>4813K146</b>	—	—	—	—	38.67	38.67	41.96	45.70	49.44	53.18	57.61
6	<b>4813K147</b>	—	—	—	—	148.03	170.65	184.33	205.11	218.93	233.28	253.26

Pipe Size		7 1/2"	8"	8 1/2"	9"	9 1/2"	10"	10 1/2"	11"	11 1/2"	12"	14"
1/8	<b>4813K134</b>	\$5.82	\$6.24	\$6.44	\$6.86	\$7.06	\$7.61	\$7.69	\$8.23	\$8.27	\$8.86	\$8.65
1/4	<b>4813K135</b>	6.99	7.53	7.76	8.31	8.56	9.22	9.33	10.00	10.10	10.82	10.40
3/8	<b>4813K136</b>	8.27	8.86	9.19	9.84	10.17	10.90	11.09	11.05	11.93	11.97	12.67
1/2	<b>4813K137</b>	10.14	10.82	10.87	11.24	12.08	12.48	13.14	12.73	14.20	14.68	16.47
3/4	<b>4813K138</b>	10.18	11.20	11.31	11.67	12.54	12.94	13.68	14.10	14.77	15.27	19.76
1	<b>4813K139</b>	13.58	14.00	15.07	15.54	16.74	17.29	18.27	18.84	19.73	20.35	25.53
1 1/4	<b>4813K141</b>	17.10	17.64	19.00	19.63	21.16	21.82	23.06	23.78	24.99	25.77	32.12
1 1/2	<b>4813K142</b>	18.97	19.56	21.06	21.75	23.46	24.19	25.95	26.76	27.68	28.55	37.88
2	<b>4813K143</b>	25.32	25.32	28.14	28.14	31.29	31.29	34.11	34.11	36.92	36.92	49.38
2 1/2	<b>4813K144</b>	41.28	41.31	45.57	48.60	50.41	50.41	54.66	54.66	58.95	58.95	80.36
3	<b>4813K145</b>	46.71	50.83	51.46	52.89	53.89	56.98	58.39	59.93	62.90	64.55	106.51
4	<b>4813K146</b>	59.29	60.88	65.43	67.15	72.33	74.23	78.46	80.53	84.60	86.83	137.35
6	<b>4813K147</b>	253.13	262.76	272.35	281.95	291.56	301.17	310.78	314.34	323.76	321.06	393.11

Pipe Size		18"	20"	22"	24"	30"	36"	42"	48"	54"	60"	72"	120"
1/8	<b>4813K134</b>	\$11.19	\$12.39	\$13.62	\$14.86	\$18.60	\$22.30	\$26.04	\$29.78	\$33.49	\$37.16	\$44.64	\$74.39
1/4	<b>4813K135</b>	13.31	14.85	16.75	17.84	22.20	26.80	31.09	35.69	39.97	44.61	53.53	89.25
3/8	<b>4813K136</b>	16.26	18.09	19.90	21.69	27.07	32.46	37.88	43.30	48.69	54.15	65.02	108.29
1/2	<b>4813K137</b>	21.14	23.54	25.90	28.24	35.34	42.38	49.44	56.44	63.58	70.58	84.68	141.16
3/4	<b>4813K138</b>	25.46	28.24	31.09	33.90	42.41	50.92	59.36	67.87	76.31	84.85	101.81	155.10
1	<b>4813K139</b>	32.84	36.44	40.08	43.71	58.30	65.61	81.65	87.53	104.97	109.35	131.25	175.02
1 1/4	<b>4813K141</b>	41.28	45.88	50.47	55.07	68.87	82.59	96.38	110.18	123.94	137.76	165.21	220.31
1 1/2	<b>4813K142</b>	48.69	54.15	59.57	64.99	81.18	97.41	113.64	129.87	146.10	162.33	183.33	259.73
2	<b>4813K143</b>	63.44	70.55	77.58	84.65	105.82	126.96	148.13	169.30	174.11	188.06	203.07	300.90
2 1/2	<b>4813K144</b>	103.31	114.78	126.27	137.73	145.02	165.33	192.86	220.42	247.98	275.52	293.92	447.58
3	<b>4813K145</b>	137.01	143.22	153.03	166.96	182.62	219.16	255.67	292.18	305.78	324.69	350.66	531.33
4	<b>4813K146</b>	166.19	174.43	181.78	188.39	209.30	282.60	293.02	334.94	376.98	362.30	452.18	672.90
6	<b>4813K147</b>	472.12	512.99	552.93	563.18	685.45	754.41	879.66	920.98	—	—	—	—

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