
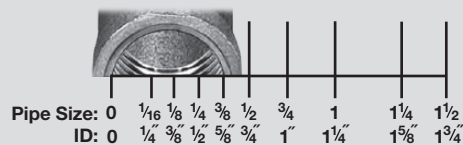
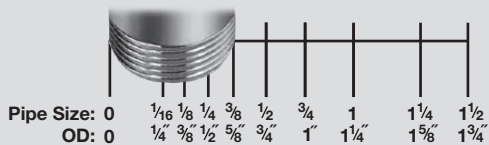



# Stainless Steel Pipe Nipples & Pipe

For technical drawings and 3-D models, go to [mcmaster.com](http://mcmaster.com). 

## How to Measure Pipe Size for 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 or fitting with the "0" line as shown. The line on the opposite edge gives the pipe size. You can also measure the OD of male threads or the ID of female threads, then find the corresponding pipe size in the chart. If your measurement doesn't match an OD or ID listed, round to the nearest 1/8".



 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 (Continued)



Fully Threaded

- 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.

Threaded on Both Ends

### 316/316L Stainless Steel (Cont.)

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

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.

#### 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"	7"
1/8 <b>4816K134</b>	\$2.20	\$2.64	\$3.05	\$3.50	\$3.99	\$4.43	\$4.84	\$5.29	\$5.69	\$6.14	\$7.20	\$7.20
1/4 <b>4816K135</b>	2.36	2.85	3.33	3.86	4.51	5.04	5.57	6.06	6.59	7.12	8.38	8.38
3/8 <b>4816K136</b>	2.77	3.33	3.94	4.55	5.33	5.94	6.55	7.16	7.77	8.38	9.96	9.96
1/2 <b>4816K137</b>	3.58	4.27	5.08	5.90	6.91	7.73	8.58	9.39	10.21	11.02	11.68	12.08
3/4 <b>4816K138</b>	4.03	4.76	5.69	6.59	7.73	8.66	9.56	10.49	11.39	12.32	13.03	13.03
1 <b>4816K139</b>	—	6.38	7.52	8.74	10.29	10.75	11.49	12.59	12.87	13.90	16.44	16.44
1 1/4 <b>4816K141</b>	—	—	9.72	11.35	12.00	12.63	13.97	14.44	16.68	18.05	21.14	21.14
1 1/2 <b>4816K142</b>	—	—	10.94	11.89	12.66	14.21	14.82	15.75	18.80	20.35	23.95	23.95
2 <b>4816K143</b>	—	—	12.92	13.97	16.47	18.46	20.48	22.51	24.50	26.52	31.43	31.43
2 1/2 <b>4816K144</b>	—	—	—	24.57	28.45	31.53	34.24	37.33	40.42	43.51	51.16	51.16
3 <b>4816K145</b>	—	—	—	32.60	37.57	41.55	43.30	47.28	51.26	55.24	61.02	61.02
4 <b>4816K146</b>	—	—	—	—	45.60	52.26	57.13	58.81	61.99	65.03	74.43	76.44
6 <b>4816K147</b>	—	—	—	—	172.01	204.69	223.39	241.37	259.72	273.42	287.04	300.79

Pipe Size	7 1/2"	8"	8 1/2"	9"	9 1/2"	10"	10 1/2"	11"	11 1/2"	12"	14"	16"
1/8 <b>4816K134</b>	\$7.73	\$8.05	\$8.58	\$8.91	\$9.49	\$9.84	\$9.96	\$10.31	\$11.13	\$11.55	\$11.07	\$12.67
1/4 <b>4816K135</b>	9.06	9.39	10.04	10.41	10.79	11.18	11.34	11.74	12.27	12.68	12.11	13.83
3/8 <b>4816K136</b>	10.78	11.18	11.55	11.96	12.20	12.41	12.47	12.66	13.31	13.72	15.06	17.22
1/2 <b>4816K137</b>	11.26	13.14	13.69	14.60	14.77	15.23	15.63	16.61	17.47	17.98	19.70	22.53
3/4 <b>4816K138</b>	12.58	13.76	14.40	15.30	15.59	17.02	16.97	18.56	18.42	20.11	22.96	26.29
1 <b>4816K139</b>	16.91	18.53	18.82	20.59	21.57	22.92	23.54	25.01	27.07	27.11	31.28	35.73
1 1/4 <b>4816K141</b>	22.44	23.85	25.00	26.56	27.87	29.61	30.42	32.32	35.03	35.03	40.06	45.80
1 1/2 <b>4816K142</b>	24.69	27.04	27.51	30.09	31.55	33.52	34.46	36.61	37.33	39.67	47.25	53.99
2 <b>4816K143</b>	34.37	35.44	38.26	39.46	42.66	43.99	45.18	48.00	48.96	52.05	62.30	71.21
2 1/2 <b>4816K144</b>	52.42	54.00	56.49	58.10	59.38	60.98	62.92	64.58	69.78	82.90	96.91	110.74
3 <b>4816K145</b>	59.76	62.90	66.13	69.61	73.26	77.15	79.66	83.85	86.00	90.53	122.21	139.66
4 <b>4816K146</b>	79.22	83.42	87.76	92.41	97.37	102.52	103.32	105.90	104.04	111.67	164.21	187.70
6 <b>4816K147</b>	297.34	316.04	323.23	336.19	349.14	362.08	375.04	387.99	400.93	413.87	465.67	517.46

Pipe Size	18"	20"	22"	24"	30"	36"	42"	48"	54"	60"	72"	120"
1/8 <b>4816K134</b>	\$14.31	\$15.84	\$17.44	\$19.04	\$27.78	\$29.90	\$36.47	\$38.05	\$46.91	\$47.62	\$57.03	\$95.12
1/4 <b>4816K135</b>	15.62	17.32	19.04	20.80	25.98	31.18	36.36	41.54	46.74	51.95	62.37	103.87
3/8 <b>4816K136</b>	19.32	21.52	23.69	25.82	32.28	38.68	45.21	51.64	58.10	64.53	77.49	129.12
1/2 <b>4816K137</b>	26.23	28.14	30.97	33.76	43.70	52.45	61.21	69.93	78.68	87.37	104.31	152.92
3/4 <b>4816K138</b>	29.55	32.81	36.14	39.43	49.25	59.10	68.95	78.87	88.66	98.57	118.30	172.52
1 <b>4816K139</b>	40.16	44.70	49.16	53.61	66.98	80.40	93.77	107.16	120.56	133.99	160.78	234.51
1 1/4 <b>4816K141</b>	51.51	57.22	62.93	68.67	85.80	102.96	120.12	137.31	146.09	150.15	180.24	300.36
1 1/2 <b>4816K142</b>	60.77	67.51	74.26	80.97	101.30	121.53	141.83	162.06	172.48	177.30	212.66	354.46
2 <b>4816K143</b>	80.12	89.03	97.91	106.82	129.78	143.43	172.13	186.88	210.27	233.65	280.37	415.39
2 1/2 <b>4816K144</b>	117.33	134.57	148.05	160.87	190.38	208.88	241.74	250.30	267.30	281.59	337.85	514.74
3 <b>4816K145</b>	157.17	174.58	181.95	188.58	235.71	282.87	293.34	301.77	377.13	393.29	403.26	672.07
4 <b>4816K146</b>	194.94	211.15	232.23	253.36	263.93	337.82	369.48	405.40	422.28	433.29	520.01	844.60
6 <b>4816K147</b>	570.26	621.07	672.85	722.88	837.06	946.42	1,081.73	1,118.38	—	—	—	—

### Alloy 20 Stainless Steel

- Use with air, steam, water

Pipe is seamless and meets ANSI/ASME B36.10, ANSI/ASME SB729, and ASTM B729.

NPT Fully Threaded				NPT Threaded on Both Ends								
Pipe Size	Lg.			Pipe Size	2" Lengths		3" Lengths	4" Lengths		6" Lengths		
1/2	1 1/8"	2698K55	\$25.47	1/2	2698K34	\$33.23	2698K38	\$40.23	2698K44	\$51.47	2698K49	\$68.40
3/4	1 3/8"	2698K56	31.13	3/4	2698K35	37.00	2698K39	47.58	2698K45	55.21	2698K51	91.26
1	1 1/2"	2698K57	41.74	1	2698K36	50.25	2698K41	60.00	2698K46	82.74	2698K52	113.86
1 1/2	1 3/4"	2698K58	62.06	1 1/2	2698K37	70.87	2698K42	95.58	2698K47	99.55	2698K53	145.83
2	2"	2698K59	82.43	2			2698K43	119.32	2698K48	128.48	2698K54	189.91