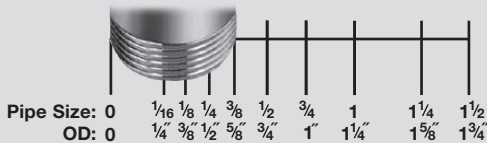



## How to Measure Pipe Size for NPT Threads — Example shows pipe size 3/8.

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.

## Low-Pressure Brass Threaded Pipe Fittings

- Use with air, drinking water, natural gas, oil (unless noted)
- Maximum Pressure: 200 psi @ 72°F
- Pipe Nipples and Pipe: Use threaded Schedule 40 standard-wall brass (see pages 47-48)
- Flanges: Use threaded Class 150 low-pressure brass (see page 46)

Use these Class 125 fittings in low-pressure flow applications. They have good corrosion resistance. Fittings meet ANSI/ASME B1.20.1 and B16.15, unless noted. Locknuts meet ANSI/ASME B16.15. All meet NSF/ANSI Standard 61 for drinking water, unless noted.

### NPT Connectors, Adapters, Caps, Plugs, and NPSP Locknuts

**Female x male 90° elbows** are also known as street elbows. **Right-angle tees** are also known as run tees. **Unions** separate into three pieces so you can access your line without unthreading pipe connections. **Locknuts** have NPSP (National Pipe Straight Locknut) threads that are compatible with NPT threads. They thread onto the male end of a fitting to provide extra holding power so the fitting won't loosen from vibration.



Pipe Size	90° Elbows	90° Elbows with Mounting Holes	90° Elbows, Female x Male	45° Elbows	45° Elbows, Female x Male	45° Wyes
1/8	4429K169 \$7.17		4429K159 \$9.53	4429K269 \$8.76	4429K651 \$11.32	4429K368 \$26.77
1/4	4429K161 7.13	4429K483 \$28.61	4429K151 9.54	4429K261 8.76	4429K652 11.32	4429K361 26.77
3/8	4429K162 7.13	4429K484 28.61	4429K152 9.54	4429K262 8.76	4429K653 11.32	4429K362 26.77
1/2	4429K163 7.13	4429K485 28.61	4429K153 9.54	4429K263 8.76	4429K654 16.30	4429K363 36.19
3/4	4429K164 9.53		4429K154 13.10	4429K264 12.44	4429K655 27.56	4429K364 60.07
1	4429K165 15.52		4429K155 21.47	4429K265 21.25	4429K656 42.61	4429K365 100.14
1 1/4	4429K166 25.11		4429K156 39.37	4429K266 33.77	4429K657 52.67	4429K366 139.58
1 1/2	4429K167 31.08		4429K157 41.55	4429K267 41.07	4429K658 95.48	4429K367 236.72
2	4429K168 48.48		4429K158 70.46	4429K268 65.80		4429K444 427.72
2 1/2	4429K431 117.24		4429K437 132.92	4429K434 125.03		4429K445 641.62
3	4429K432 179.08		4429K438 195.11	4429K435 193.36		
4	4429K433 362.55					



Pipe Size	Tees	Right-Angle Tees, Female x Female x Male	Crosses	Straights	Straights, Female x Male	Unions
1/8	4429K259 \$8.36		4429K359 \$17.56	4429K119 \$5.97		4429K211 ★ \$16.02
1/4	4429K251 8.36		4429K351 17.56	4429K111 5.97		4429K212 20.34
3/8	4429K252 8.36	4429K325 \$17.50	4429K352 17.56	4429K112 5.97		4429K213 20.34
1/2	4429K253 8.36	4429K326 22.90	4429K353 17.56	4429K113 5.97	4429K298 \$26.92	4429K214 20.34
3/4	4429K254 11.90	4429K327 29.92	4429K354 25.07	4429K114 8.38	4429K299 37.38	4429K215 27.90
1	4429K255 21.52	4429K328 44.83	4429K355 41.39	4429K115 14.31	4429K321 56.82	4429K216 42.25
1 1/4	4429K256 36.96	4429K329 64.60	4429K356 67.54	4429K116 23.89	4429K322 101.67	4429K217 58.07
1 1/2	4429K257 40.43		4429K357 79.79	4429K117 31.08	4429K323 109.15	4429K218 69.17
2	4429K258 66.99	4429K331 150.87	4429K358 159.56	4429K118 49.64	4429K324 191.40	4429K219 94.54
2 1/2	4429K447 159.52		4429K451 339.02	4429K454 84.58		4429K221 ★ 167.51
3	4429K448 243.89		4429K452 482.59	4429K455 117.24		4429K222 ★ 258.76
4	4429K449 596.12		4429K453 1,021.78	4429K456 232.76		

★ Does not meet ANSI/ASME B16.15.



Pipe Size	Caps	Hollow Plugs with External Square Drive	Solid Plugs with External Square Drive	Solid Plugs with Square Drive	Locknuts
1/8	4429K149 \$4.74		4429K311 \$1.19		4429K121 \$1.32
1/4	4429K171 4.74		4429K312 2.24		4429K122 1.53
3/8	4429K142 4.74	4429K281 \$3.48	4429K313 3.25		4429K123 2.00
1/2	4429K143 4.74	4429K282 3.48	4429K314 4.18	4429K191 \$6.84	4429K124 2.91
3/4	4429K144 5.97	4429K283 4.02	4429K315 5.28	4429K192 7.17	4429K125 4.27
1	4429K145 10.84	4429K316 7.15	4429K287 7.89	4429K193 10.79	4429K126 6.40
1 1/4	4429K146 19.09	4429K317 10.64	4429K288 11.25	4429K396 19.85	4429K127 10.37
1 1/2	4429K147 25.07	4429K318 13.56	4429K289 17.43	4429K194 24.94	4429K128 13.47
2	4429K148 41.54	4429K319 21.37	4429K291 25.68	4429K195 38.34	4429K129 21.37
2 1/2	4429K457 79.74	4429K284 34.13	4429K467 59.28	4429K397 81.91	4429K465 ■ 77.12
3	4429K458 123.31	4429K285 54.25	4429K468 92.57	4429K196 116.19	4429K466 ■ 156.70
4	4429K459 226.57	4429K286 101.53	4429K469 170.39	4429K197 280.60	

■ Does not meet NSF/ANSI Standard 61 for drinking water.

(Continued on following page)