
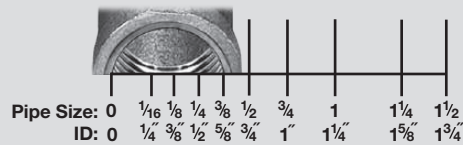
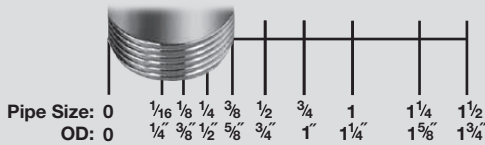



Stainless Steel Pipe Fittings

For technical drawings and 3-D models, go to 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 and search for **4464KAC**. For information about fittings and pipe, see pages 2-3.

Low-Pressure Stainless Steel Threaded Pipe Fittings *(Continued from previous page)*

- Pipe Nipples and Pipe: Use threaded Schedule 40 standard-wall stainless steel (see pages 10-13)
- Flanges: Use threaded Class 150 low-pressure stainless steel (see page 9)

Use these Class 150 fittings in a low-pressure pipe line. They are heat treated, except BSPT x NPT thread adapters. Fittings that meet ANSI/MSS SP-114 adhere to high-quality standards for heat treating, material thickness, and marking.

304 stainless steel fittings have very good corrosion resistance. **316 stainless steel** fittings have excellent corrosion resistance.

BSPT (British Standard Pipe Taper) Connectors, Adapters, Caps, and Plugs

- Use with air, natural gas, oil, steam, water
- Maximum Pressure: 150 psi @ 72° F; 150 psi @ 360° F for steam

These 304 stainless steel fittings meet ANSI/MSS SP-114, except male straights.

Female x male 90° elbows are also known as street elbows.

Female x butt weld straights are also known as half couplings.

Unions separate into three pieces so you can access your line without unthreading pipe connections.

Plugs are hollow, except 1/8-3/8 pipe sizes are solid.



Pipe Size, BSPT	90° Elbows	90° Elbows, Female x Male	45° Elbows	Tees	Crosses	Straights, Female
1/8	4810T111 \$5.52	4810T131 \$7.85	4810T121 \$6.94	4810T141 \$7.39	4810T249 \$12.28	4810T151 \$3.77
1/4	4810T112 5.77	4810T132 8.21	4810T122 7.25	4810T142 7.73	4810T251 12.81	4810T152 4.18
3/8	4810T113 7.15	4810T133 9.90	4810T123 8.52	4810T143 9.85	4810T252 15.41	4810T153 4.87
1/2	4810T114 7.62	4810T134 11.65	4810T124 9.37	4810T144 10.32	4810T253 18.89	4810T154 6.88
3/4	4810T115 10.91	4810T135 16.15	4810T125 13.71	4810T145 16.41	4810T254 32.26	4810T155 9.95
1	4810T116 15.46	4810T136 27.95	4810T126 16.73	4810T146 20.91	4810T255 47.76	4810T156 16.95
1 1/2	4810T118 36.16	4810T138 48.02	4810T128 31.93	4810T148 51.73	4810T256 64.58	4810T158 28.48
2	4810T229 43.86	4810T232 62.19	4810T231 42.90	4810T233 63.51	4810T257 88.93	4810T234 38.64



Pipe Size, BSPT	Straights, Male	Straights, Female x Butt Weld	Unions	Caps	Plugs with External Hex Drive	Plugs with External Square Drive
1/8	4810T322 \$2.23	4810T241 \$2.43	4810T161 \$18.59	4810T171 \$2.91	4810T191 \$2.63	4810T181 \$2.49
1/4	4810T323 4.13	4810T242 2.69	4810T162 19.43	4810T172 4.13	4810T192 2.75	4810T182 2.96
3/8	4810T324 5.40	4810T243 2.89	4810T163 19.80	4810T173 4.87	4810T193 3.39	4810T183 3.92
1/2	4810T325 7.57	4810T244 4.05	4810T164 21.44	4810T174 5.08	4810T194 5.35	4810T184 5.61
3/4	4810T326 10.07	4810T245 5.37	4810T165 27.16	4810T175 6.35	4810T195 6.72	4810T185 6.83
1	4810T327 14.13	4810T246 6.88	4810T166 40.98	4810T176 9.53	4810T196 11.65	4810T186 8.68
1 1/2	4810T328 25.27	4810T247 14.43	4810T168 80.37	4810T178 22.66	4810T198 20.44	4810T188 20.60
2	4810T329 29.73	4810T248 19.75	4810T238 81.40	4810T235 27.60	4810T237 26.99	4810T236 23.25

BSPT (British Standard Pipe Taper) Reducers

- Use with air, natural gas, oil, steam, water
- Maximum Pressure: 150 psi @ 72° F; 150 psi @ 360° F for steam

Reducers are 304 stainless steel.

Female straights and male x female bushings meet ANSI/MSS SP-114.



Pipe Size, BSPT	Straights, Female	Straights, Male	Bushings, Male x Female	Pipe Size, BSPT	Straights, Female	Straights, Male	Bushings, Male x Female
(A) (B)				(A) (B)			
1/4 1/8	4810T211 \$5.77	4810T339 \$4.53	4810T201 \$4.06	1 1/2	4810T265 \$12.56	4810T349 \$15.53	4810T277 \$10.00
3/8 1/8	4810T258 6.41	4810T341 5.93	4810T271 3.95	1 3/4	4810T216 13.13	4810T351 15.53	4810T206 10.54
3/8 1/4	4810T212 5.87	4810T342 5.93	4810T202 4.08	1 1/4 3/4		4810T352 24.40	
1/2 1/8	4810T259 6.13	4810T343 8.30	4810T272 4.96	1 1/4 1		4810T353 24.40	
1/2 1/4	4810T213 6.08	4810T344 8.30	4810T203 4.96	1 1/2 3/4	4810T266 25.33	4810T354 27.77	4810T278 20.68
1/2 3/8	4810T214 6.35	4810T345 8.30	4810T204 5.19	1 1/2 1	4810T267 26.44	4810T355 27.77	4810T279 21.57
3/4 1/4	4810T261 8.78	4810T346 11.13	4810T273 6.99	1 1/2 1 1/4	4810T218 27.58	4810T356 27.77	4810T208 22.55
3/4 3/8	4810T262 9.16	4810T347 11.13	4810T274 7.30	2 1	4810T268 42.22	4810T357 32.70	4810T281 31.55
3/4 1/2	4810T215 11.70		4810T205 7.57	2 1 1/4		4810T358 32.70	
1 1/4	4810T263 11.55		4810T275 9.27	2 1 1/2	4810T269 44.06	4810T359 32.70	4810T282 32.92
1 3/8	4810T264 12.04	4810T348 15.53	4810T276 9.66				

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