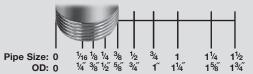
Stainless Steel Pipe Fittings

For technical drawings and (AD) 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".





(\dot{i}) To measure larger pipe sizes, go to mcmaster.com and search for 4464KAC. For information about fittings and pipe, see pages 2-3.

Medium-Pressure Stainless Steel Threaded Pipe Fittings

- 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)

Choose these fittings when you want the same high-quality found in our low-pressure pipe fittings, but need more strength to handle higher pressures. 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. Alloy 20 stainless steel fittings have the best corrosion resistance of all the stainless steel fittings we offer. Alloy 20 stainless steel is also known as Carpenter 20 and resists cracking from stress and corrosion.

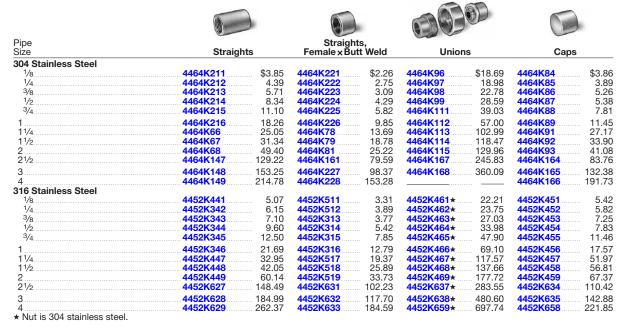
NPT Connectors, Adapters, and Caps - 304 and 316 Stainless Steel

- Use with air, natural gas, oil, steam, water
 Maximum Pressure: 1,000 psi @ 72°F;
- 650 psi @ 350°F for steam

These Class 1000 fittings meet ANSI/MSS SP-114 and ASTM A182.

Femalexbutt weld straights are also known as half couplings.

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



NPT Connectors and Plugs - Alloy 20 Stainless Steel

- · Use with air, steam, water
- Maximum pressure (unless noted) 1/8-3/8 Pipe Size: 1,000 psi @ 72° F; 560 psi @ 360° F for steam 1/2-2 Pipe Size: 300 psi @ 72°F; 150 psi @ 360° F for steam

These Class 150 fittings meet ANSI/ASME B1.20.1, ANSI/MSS SP-114, ASTM B351, and ASTM B473.

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













Pipe Size	90° Elbows	Tees	Straights, Female	Straights, Male	Unions	Plugs
				2698K88 ■ \$110.17		
1/4	2698K67 93.33	2698K71 111.60	2698K74 53.73	2698K89 ■ 110.17	2698K83 120.98	2698K77 ■ 48.00
						2698K78 ■ 19.48
1/2	2698K11 62.74	2698K16 81.13	2698K22 48.00	2698K92 ■ 91.67	2698K85 ▲ 120.98	2698K27 25.43
3/4	2698K12 84.51	2698K17 95.14	2698K23 69.17	2698K93 ■ 102.58	2698K86 ▲ 158.33	2698K28 34.04
1	2698K13 91.87	2698K18 116.61	2698K24 97.32	2698K94 ■ 120.55	2698K87 ▲ 208.33	2698K29 59.43
11/2		2698K19 167.19				2698K79 ■ 125.02
2	2698K15 167.19	2698K21 222.31	2698K26 175.02			2698K81 ■ 185.50

Not rated for maximum pressure. ▲ Maximum pressure is 1000 psi @ 72°F; 560 @ 360°F for steam.

(Continued on following page)