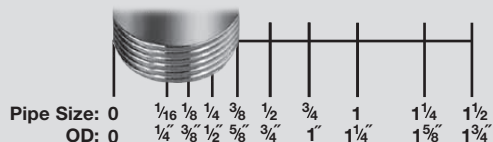


Stainless Steel Pipe Fittings

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.

Medium-Pressure Stainless Steel Threaded Pipe Fittings (Cont. 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)

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.

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.

Reducing Thread Adapters, Female x Male—316 Stainless Steel (Cont.)



- Use with air, coolant, natural gas, oil, steam, water
- Maximum Pressure: 500 psi @ 72° F; 100 psi @ 350° F for steam

Also known as Class 150 fittings. Fittings meet ASTM A314, ASTM A320, and ASTM A582.

BSPP male threads have a fluor elastomer gasket to protect against leaks.

Pipe Size		NPT x BSPT		NPT x BSPP		BSPT x NPT		BSPP x NPT	
(A)	(B)								
1/4	3/8	1456N251	\$18.38	1456N297	\$19.63	1456N157	\$18.38	1456N204	\$18.38
1/4	1/2	1456N252	25.88	1456N298	27.13	1456N158	25.88	1456N205	25.88
1/4	3/4	1456N253	37.50	1456N299	38.75	1456N159	37.50	1456N206	37.50
1/4	1	1456N254	62.50	1456N301	63.75	1456N161	62.50	1456N207	62.50
3/8	1/16	1456N255	18.38	1456N302	19.63	1456N162	18.38	1456N208	18.38
3/8	1/8	1456N256	18.38	1456N303	19.63	1456N163	18.38	1456N209	18.38
3/8	1/4	1456N257	18.38	1456N304	19.63	1456N164	18.38	1456N211	18.38
3/8	1/2	1456N258	25.88	1456N305	27.13	1456N165	25.88	1456N212	25.88
3/8	3/4	1456N259	37.50	1456N306	38.75	1456N166	37.50	1456N213	37.50
3/8	1	1456N261	62.50	1456N307	63.75	1456N167	62.50	1456N214	62.50
1/2	1/16	1456N262	25.88	1456N308	27.13	1456N168	25.88	1456N215	25.88
1/2	1/8	1456N263	25.88	1456N309	27.13	1456N169	25.88	1456N216	25.88
1/2	1/4	1456N264	25.88	1456N311	27.13	1456N171	25.88	1456N217	25.88
1/2	3/8	1456N265	25.88	1456N312	27.13	1456N172	25.88	1456N218	25.88
1/2	3/4	1456N266	37.50	1456N313	38.75	1456N173	37.50	1456N219	37.50
1/2	1	1456N267	62.50	1456N314	63.75	1456N174	62.50	1456N221	62.50
3/4	1/16	1456N268	37.50	1456N315	38.75	1456N175	37.50	1456N222	37.50
3/4	1/8	1456N269	37.50	1456N316	38.75	1456N176	37.50	1456N223	37.50
3/4	1/4	1456N271	37.50	1456N317	38.75	1456N177	37.50	1456N224	37.50
3/4	3/8	1456N272	37.50	1456N318	38.75	1456N178	37.50	1456N225	37.50
3/4	1/2	1456N273	37.50	1456N319	38.75	1456N179	37.50	1456N226	37.50
3/4	1	1456N274	62.50	1456N321	63.75	1456N181	62.50	1456N227	62.50
1	1/16	1456N275	62.50	1456N322	63.75	1456N182	62.50	1456N228	62.50
1	1/8	1456N276	62.50	1456N323	63.75	1456N183	62.50	1456N229	62.50
1	1/4	1456N277	62.50	1456N324	63.75	1456N184	62.50	1456N231	62.50
1	3/8	1456N278	62.50	1456N325	63.75	1456N185	62.50	1456N232	62.50
1	1/2	1456N279	62.50	1456N326	63.75	1456N186	62.50	1456N233	62.50
1	3/4	1456N281	62.50	1456N327	63.75	1456N187	62.50	1456N234	62.50

Miniature Medium-Pressure Stainless Steel Threaded Pipe Fittings

- Use with air, natural gas, oil, steam, water
- Maximum Pressure: 500 psi @ 72° F; 100 psi @ 350° F for steam

When space is at a premium choose these compact fittings. Though small in size, they have the strength to handle medium-pressure applications. Fittings are 303 stainless steel for very good corrosion resistance. They meet ASTM A314, ASTM A320, and ASTM A582.

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

Metric and UN/UNF (SAE) male threads have a fluor elastomer gasket to protect against leaks. UN/UNF (SAE) threads are also known as O-ring boss threads.

Reducers



Pipe Size		90° Elbows, Female x Male		Straights, Female x Male		Bushings, Male x Female	
(A)	(B)						
1/16	1/8	2684K117	\$14.30	2684K111	\$13.27		
1/16	1/4	2684K474	16.00	2684K114	18.00		
1/8	1/16	2684K523	14.33	2684K21	9.93	2684K807	\$13.12
1/8	1/4	2684K524	16.00	2684K134	18.00		
1/4	1/16	2684K582	16.00	2684K164	14.80	2684K742	13.12
1/4	1/8	2684K585	16.00	2684K184	14.80	2684K685	12.80
						2684K818	13.12
						2684K687	12.80

Thread Size		Bushings, Male x Female	
(A)	(B)		
1/4"-28	10-32	2684K33	\$10.95

(Continued on following page)