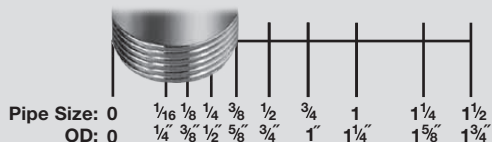



How to Measure Pipe Size for NPT Threads—Example shows pipe size 3/8.

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 and search for **4464KAC**. For information about fittings and pipe, see pages 2-3.

Extreme-Pressure Stainless Steel Threaded Pipe Fittings (Continued)

With the strength to handle extreme pressures, these fittings can be used to connect equipment in hydraulic fluid lines. Fittings are 316 stainless steel and have excellent corrosion resistance, unless otherwise stated. **NPTF** (Dryseal) threads are compatible with NPT threads.

NPT Connectors and Adapters (Cont.)

- Use with hydraulic fluid, oil, steam, and water (unless noted)
- Maximum Pressure: See table; NPT: rated for steam @ 200° F (unless noted); NPTF: rated for steam @ 300° F

NPT straights meet SAE J514, unless noted.

NPTF straights meet ASTM A479.



Straights, Female				
Pipe Size	Thread Type	Max. psi @ 72° F		
1/8	NPTF	6,000	51205K182	\$12.23
1/4	NPTF	6,000	51205K212	13.04
1/4	NPT	15,000	51205K742 ■	62.83
3/8	NPTF	6,000	51205K216	18.37
3/8	NPT	15,000	51205K743 ■	68.07
1/2	NPTF	6,000	51205K223	25.13
1/2	NPT	15,000	51205K744 ■	87.22
3/4	NPTF	4,800	51205K228	34.73
1	NPTF	3,600	51205K231	67.58
1 1/4	NPTF	3,000	51205K185	112.60
1 1/2	NPTF	2,400	51205K186	193.38
2	NPT	2,400	51205K623	179.59

■ Not for use with steam. Does not meet SAE J514.

Straights, Male				
Pipe Size	Lg.	Thread Type	Max. psi @ 72° F	
1/8	1 1/16"	NPTF	7,200	51205K471 \$7.63
1/8	2"	NPT	7,200	51205K585 8.13
1/8	2 1/2"	NPT	7,200	51205K586 8.92
1/8	3"	NPT	7,200	51205K587 9.38
1/8	4"	NPT	7,200	51205K588 24.12
1/4	1 7/16"	NPT	15,000	51205K732 ■ 55.59
1/4	1 29/64"	NPTF	7,200	51205K132 7.98
1/4	2"	NPT	7,200	51205K589 8.30
1/4	2 1/2"	NPT	7,200	51205K591 10.63
1/4	3"	NPT	7,200	51205K592 11.89
1/4	4"	NPT	7,200	51205K593 14.40
3/8	1 29/64"	NPTF	7,200	51205K135 10.71
3/8	1 45/64"	NPT	15,000	51205K733 ■ 72.69
3/8	2"	NPT	7,200	51205K594 10.96
3/8	2 1/2"	NPT	7,200	51205K595 14.71
3/8	3"	NPT	7,200	51205K596 14.71
3/8	4"	NPT	7,200	51205K597 62.60
1/2	1 57/64"	NPTF	7,200	51205K142 15.87
1/2	2"	NPT	7,200	51205K598 15.02
1/2	2 1/4"	NPT	15,000	51205K735 ■ 75.55
1/2	2 1/2"	NPT	7,200	51205K599 28.18
1/2	3"	NPT	7,200	51205K611 22.54
1/2	4"	NPT	7,200	51205K612 25.67
3/4	1 31/32"	NPTF	6,600	51205K203 23.27
3/4	2"	NPT	7,200	51205K613 27.39
3/4	3"	NPT	7,200	51205K614 28.18
3/4	4"	NPT	7,200	51205K615 40.38
1	1 13/16"	NPTF	5,400	51205K205 57.54
1	3"	NPT	7,200	51205K616 67.60
1	4"	NPT	7,200	51205K617 71.77
1 1/4	2 31/64"	NPTF	3,600	51205K207 108.27
1 1/2	2 39/64"	NPTF	3,600	51205K197 139.24
1 1/2	4"	NPT	7,200	51205K618 119.54
2	2 53/64"	NPT	3,000	51205K583 142.04

■ Not for use with steam. Does not meet SAE J514.

Straights, Female x Male				
Pipe Size	Thread Type	Max. psi @ 72° F		
1/8	NPTF	6,500	51205K209	\$12.31
1/4	NPTF	6,000	51205K311	18.52
3/8	NPTF	5,300	51205K314	23.47
3/8	NPT	15,000	51205K741 ■	53.52
1/2	NPTF	6,000	51205K321	25.67
1/2	NPT	15,000	51205K738 ■	107.28
3/4	NPTF	4,600	51205K325	72.19
1	NPTF	4,400	51205K328	93.87
2	NPT	2,400	51205K631	206.15

■ Not for use with steam. Does not meet SAE J514.

NPT Caps and Locknuts

- Use with hydraulic fluid, oil, water; locknuts can also be used with air and natural gas
- Maximum Pressure: See table

Locknuts have a PTFE gasket, which creates a tight seal without the need for PTFE tape; screw one onto the male end of a fitting for extra holding power. Locknuts are made of 303 stainless steel and have very good corrosion resistance.



Caps					Locknuts				
Pipe Size	Thread Type	Max. psi @ 72° F			Thread Type	Max. psi @ 72° F			
1/8	NPTF	6,000	51205K491	\$37.92	NPT	10,000	5530K37	\$4.90	
1/4	NPTF	6,000	51205K492	16.17	NPT	10,000	5530K38	6.32	
1/4	NPT	15,000	51205K481	66.66					
3/8	NPTF	6,000	51205K493	42.00	NPT	10,000	5530K39	7.14	
3/8	NPT	15,000	51205K482	70.16					
1/2	NPTF	6,000	51205K494	29.10	NPT	10,000	5530K44	11.80	
1/2	NPT	15,000	51205K483	73.84					
3/4	NPTF	4,800	51205K495	36.21	NPT	5,000	5530K45	15.16	
1	NPTF	3,600	51205K496	42.96	NPT	5,000	5530K46	26.08	
1 1/4	NPTF	2,400	51205K497	76.48	NPT	5,000	5530K47	29.10	
1 1/2	NPTF	2,400	51205K498	105.19	NPT	3,000	5530K48	38.88	
2	NPTF	2,400	51205K499	167.90	NPT	3,000	5530K49	55.94	

(Continued on following page)