

Barbed Hose Fittings

For technical drawings and 3-D models, go to mcmaster.com.

For information about selecting pipe size, see pages 2-3.

How to Measure Threaded Pipe Size—Example shows pipe size 3/8.

Pipe size is an industry designation, not the actual size. Place your pipe or fitting on the scale to determine the pipe size. You can also measure the outside diameter (OD) of your pipe or inside diameter (ID) of your fitting, then select the pipe size on the scale that corresponds to your measurement.



Barbed Hose Fittings for Chemicals and Petroleum

- Max. Pressure @ 72°F: 300 psi
- Temp. Range: -30° to 200°F
- Hose: Use reinforced plastic
- Clamps: Use low-profile band clamps (see pages 339-340)

Fittings are 316 stainless steel for excellent corrosion and chemical resistance. Use with acetone, boric acid, citric acid, diesel fuel, ethanol, gasoline, mineral spirits, and oil. Not rated for vacuum.

Hose-to-Threaded Pipe Adapters—Also known as hose nipples.

Hose-to-Hose Connectors—Also known as hose menders and splicers, use these fittings to repair damaged hose and connect two lengths of hose.

Hose-to-Threaded Pipe Adapters



		Straights, Male Pipe	
For Hose ID	Pipe Size, NPT		
1/8"	1/8"	53505K61	\$30.06
1/8"	1/4"	53505K62	29.28
1/4"	1/8"	53505K63	16.28
1/4"	1/4"	53505K64	21.31
1/4"	3/8"	53505K65	25.55
1/4"	1/2"	53505K66	34.10
3/8"	1/4"	53505K67	22.99
3/8"	3/8"	53505K68	22.26
3/8"	1/2"	53505K69	34.10
1/2"	1/4"	53505K71	21.68



		90° Elbows, Male Pipe	
For Hose ID	Pipe Size, NPT		
1/4"	1/8"	53505K41	\$56.23
1/4"	1/4"	53505K42	63.20
3/8"	1/4"	53505K43	65.26
3/8"	3/8"	53505K44	74.88
3/8"	1/2"	53505K45	109.87
1/2"	3/8"	53505K46	75.28
1/2"	1/2"	53505K47	112.73
1/2"	3/4"	53505K88	130.46
3/4"	3/4"	53505K89	128.78
1"	1"	53505K91	196.54

Hose-to-Hose Connectors



		Straights, Male Hose	
For Hose ID			
1/4" x 1/8"	53505K32	\$65.89	
1/4" x 1/4"	53505K33	64.00	
3/8" x 1/4"	53505K34	72.46	
3/8" x 3/8"	53505K35	69.67	
3/8" x 1/2"	53505K36	86.62	
1/2" x 1/2"	53505K37	83.08	
1/2" x 3/4"	53505K92	99.12	
3/4" x 3/4"	53505K93	96.58	
1" x 3/4"	53505K94	116.90	

Barbed Hose Fittings for Air and Water

- Max. Pressure @ 72°F: 150 psi
- Temp. Range: -40° to 350°F
- Hose: Use reinforced rubber and reinforced plastic
- Clamps: Use worm-drive clamps (see pages 330-333) and band clamps (see pages 339-341)

Hose-to-Threaded Pipe Connectors—Also known as hose nipples, these fittings are barbed on one end and threaded on the other. Vacuum rating is 29" Hg @ 72°F.

Hose-to-Hose Connectors—Also known as hose menders and splicers, use these fittings to repair damaged hose and connect two lengths of hose. Not rated for vacuum.

High-strength adapters have thicker walls and more barbs to give them better strength and gripping power than other barbed fittings.

Zinc-plated steel fittings have fair corrosion resistance. *Aluminum fittings* are lightweight with good corrosion resistance. *303/304 stainless steel fittings* offer very good corrosion resistance.

Hose-to-Threaded Pipe Connectors



		Straight Adapters, Male Pipe			
For Hose ID	Pipe Size, NPT	Zinc-Plated Steel	Aluminum	303/304 Stainless Steel	
1/4"	1/8"	5350K31	\$4.86	5357K31	\$5.80
1/4"	1/4"	5350K32	4.65	5357K32	5.36
1/4"	3/8"	5350K33	5.93	5357K33	6.82
5/16"	1/4"	5350K34	5.21	5357K34	7.20
3/8"	1/8"	5350K35	1.80	5357K35	9.88
3/8"	1/4"	5350K36	1.98	5357K36	5.72
3/8"	3/8"	5350K37	2.38	5357K37	5.84
3/8"	1/2"	5350K59	3.25	5357K38	8.16
1/2"	1/4"	5350K79	1.93	5357K39	5.36
1/2"	3/8"	5350K81	2.61	5357K41	5.64
1/2"	1/2"	5350K82	2.78	5357K42	6.38
1/2"	3/4"	5350K43	3.75	5357K43	12.24
3/4"	1/2"	5350K44	3.11	5357K44	8.78
3/4"	3/4"	5350K45	4.06	5357K45	12.22
3/4"	1"	5350K48	6.06	5357K46	16.24
1"	3/4"	5350K46	5.31	5357K47	12.98
1"	1"	5350K47	5.66	5357K48	17.68



		High-Strength Straight Adapters, Male Pipe			
For Hose ID	Pipe Size, NPT	Zinc-Plated Steel	Aluminum	303/304 Stainless Steel	
1/4"	1/8"	5350K11	\$4.10	5357K11	\$13.30
1/4"	1/4"	5350K12	5.44	5357K12	9.70
1/4"	3/8"	5350K22	4.70	5357K13	12.10
5/16"	1/4"	5350K25	5.71	5357K14	10.08
3/8"	1/8"	5350K26	10.08	5357K15	9.52
3/8"	1/4"	5350K13	6.85	5357K16	9.20
3/8"	3/8"	5350K14	9.16	5357K17	9.32
3/8"	1/2"	5350K56	4.94	5357K18	12.80
1/2"	1/4"	5350K65	6.60	5357K19	12.84
1/2"	3/8"	5350K66	8.30	5357K21	12.84
1/2"	1/2"	5350K67	9.51	5357K22	14.18
1/2"	3/4"	5350K24	15.08	5357K23	15.30
3/4"	1/2"	5350K18	10.27	5357K24	28.66
3/4"	3/4"	5350K19	10.64	5357K25	17.94
3/4"	1"	5350K28	10.96	5357K26	24.26
1"	3/4"	5350K27	17.63	5357K27	23.00
1"	1"	5350K21	13.91	5357K28	24.94



		High-Strength Straight Adapters, Female Pipe			
Pipe Size, NPT	For Hose ID	Zinc-Plated Steel	Aluminum	303/304 Stainless Steel	
1/8"	1/4"	5350K71	\$5.21	5357K51	\$7.44
1/4"	1/4"	5350K72	5.56	5357K52	17.70
1/4"	3/8"	5350K73	7.34	5357K53	9.16
3/8"	3/8"	5350K74	17.30	5357K54	11.30
1/2"	3/8"	5350K75	7.84	5357K55	15.78
3/8"	1/2"	5350K76	9.98	5357K56	13.28
1/2"	1/2"	5350K77	19.16	5357K57	18.16
1/2"	3/4"	5350K78	10.23	5357K58	17.48
3/4"	3/4"	5350K83	15.69	5357K59	21.68

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