

Hose & Fittings

Section G



G
General Purpose Hose
Push-on Hose Fittings

General Purpose Hose.....	G2
Push-on Hose Fittings	
Basic Features	G3
Part Numbers & Dimensions	G4-G6

Push-on Hose 801 Push-Lok Plus



The Push-Lok Plus line is the most versatile general purpose hose available. It can be used in numerous applications where low-pressure media is used.

Features and Benefits

- Widest fluid compatibility and application range
- Broadest size range (-4 through -16)
- Highest working pressure in all sizes in the industry

Construction

- Inner tube: Synthetic Rubber
- Reinforcement: One Fiber Braid
- Cover: Synthetic Rubber, MSHA Accepted

Temperature

- Petroleum base hydraulic fluids, lubricating oils, and antifreeze solutions -40°F to +257°F (-40°C to +125°C)
- Water, water / oil emulsion, and water / glycol fluids up to +185°F (+85°C)
- Air up to +158°F (+70°C)

Water Service

Water, water/oil emulsion, and water/glycol hydraulic fluids up to +185°F (+85°C). Air up to +158°F (+70°C).

Fitting Recommendations

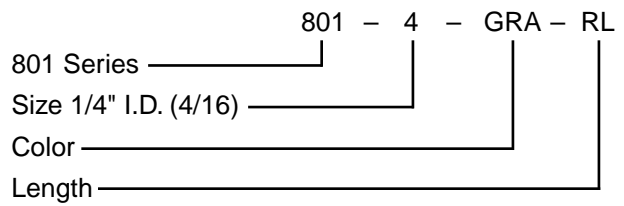
Use only with Push-on Hose Fittings and Quick Couplers with Push-lock Hose Barb.

Note: Push-Lok hose is recommended for vacuum applications but not for cooling lines in air conditioners and heat pumps, nor for hydraulic applications where extreme pulsations are encountered. Push-Lok is not recommended for any fuel.

Nomenclature

Part numbers are constructed from symbols that identify the style and size of the hose. Numbers identify the hose I.D. in 1/16's of an inch.

Example:



Note: 801-10-GRN-RL Not Available

Available Cover Colors

- GRA = gray
- BLU = blue
- RED = red
- GRN = green
- YEL = yellow
- BLK = black

Hose Length

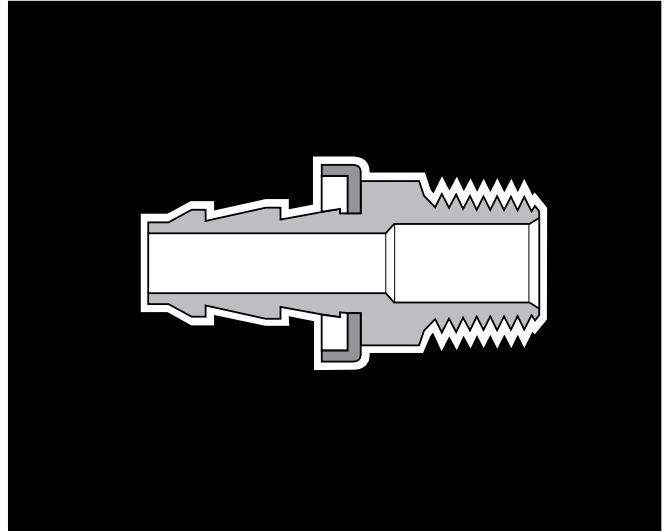
Hose Type	I.D.	Reel Length*
801-4	1/4"	600 feet
801-6	3/8"	450 feet
801-8	1/2"	300 feet
801-10	5/8"	250 feet
801-12	3/4"	200 feet
801-16	1"	200 feet

*General reels have no more than 3 lengths per reel, each no less than 20 feet.

Dimensions & Specifications

#	Hose I.D.		Hose O.D.		Working Pressure		Burst Pressure		Minimum Bend Radius		Weight		Vacuum Rating	
	Inch	mm	Inch	mm	PSI	MPa	PSI	MPa	Inch	mm	lbs/ft	kg/m	Inches of Hg	kPa
801-4	1/4	6,3	0.50	12,7	350	2.4	1000	6,8	2-1/2	65	0.09	0.13	28	95
801-6	3/8	10	0.63	15,9	350	2.4	1000	6,8	3	75	0.11	0.16	28	95
801-8	1/2	12,5	0.78	19,8	300	2.1	1000	6,8	5	125	0.18	0.27	28	95
801-10	5/8	16	0.91	23,0	300	2.1	1000	6,8	6	150	0.19	0.28	15	51
801-12	3/4	19	1.03	26,2	300	2.1	1000	6,8	7	180	0.24	0.36	15	51
801-16	1	25	1.28	32,6	200	1.4	700	4,8	10	250	0.37	0.55	15	51

Basic Features



Advantages

Push-on Hose Fittings are machined from the highest quality brass or stainless steel. The barbs are specifically engineered to work in conjunction with the I.D. and braid angle of Push-on Hose, ensuring a tight connection **without clamps**.

Assembly

Push-on Hose Fittings are designed only for use with Push-on Hose. Do not use with any other style or manufacturer of hose.

Assembly Instructions:

1. Cut hose cleanly and squarely to length.
2. Lubricate hose I.D. and barbs with light oil or soapy water.
3. Push the hose onto the fitting until it bottoms against the yellow stop ring. This ensures that all of the barbs are engaged with the hose and will also help keep the end of the hose from fraying.
4. **⚠ CAUTION: Use of clamps may damage sealing integrity of Hose and Fitting Assembly.**

Temperature Range

-40°F to 180°F (-40°C to 82°C)

Limited by media through hose assembly.

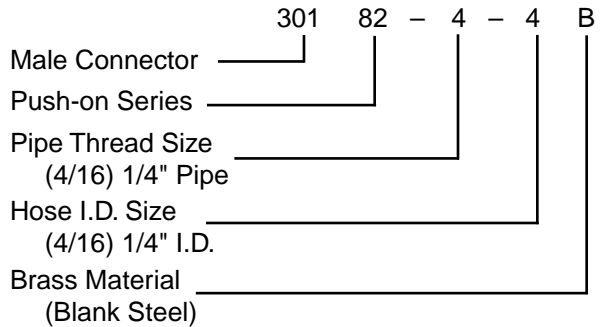
Pressure Range

Limited by hose I.D.

Nomenclature

Part numbers are constructed from symbols that identify the style, size and material of the fitting.

Example:



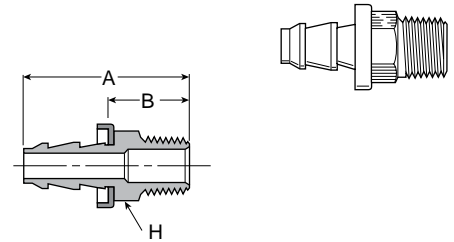
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General Purpose Hose

Push-on Hose Fittings

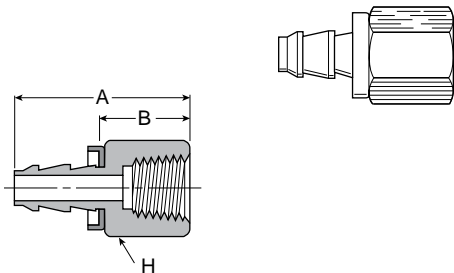
30182 Push-on Hose Barb to Male Pipe

#	Thread		Hose Size		A		H	B	
	Inch		Inch		Inch	mm		Inch	mm
30182-2-4B	1/8 x 27	-2	1/4	-4	1.39	35	7/16	.64	16
30182-4-4B	1/4 x 18	-4	1/4	-4	1.57	40	9/16	.82	21
30182-4-6B	1/4 x 18	-4	3/8	-4	1.78	45	9/16	.88	22
30182-6-6B	3/8 x 18	-6	3/8	-6	1.78	45	11/16	.88	22
30182-8-6B	1/2 x 14	-8	3/8	-6	2.03	52	7/8	1.13	29
30182-6-8B	3/8 x 18	-6	1/2	-8	1.93	49	11/16	.88	22
30182-8-8B	1/2 x 14	-8	1/2	-8	2.18	55	7/8	1.13	29
30182-8-10B	1/2 x 14	-8	5/8	-10	2.58	66	7/8	1.13	29
30182-12-8B	3/4 x 14	-12	1/2	-8	2.21	56	1-1/16	1.16	29
30182-12-12B	3/4 x 14	-12	3/4	-12	2.61	66	1-1/16	1.16	29



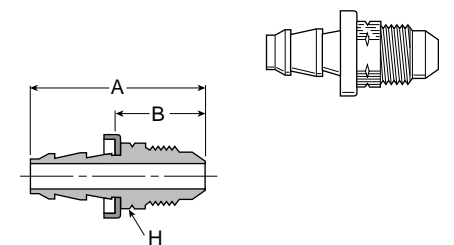
30282 Push-on Hose Barb to Female Pipe

#	Thread		Hose Size		A		H	B	
	Inch		Inch		Inch	mm		Inch	mm
30282-4-4B	1/4 x 18	-4	1/4	-4	1.56	40	3/4	.81	21
30282-6-6B	3/8 x 18	-6	3/8	-6	1.82	46	7/8	.92	23
30282-8-8B	1/2 x 14	-8	1/2	-8	2.16	55	1-1/16	1.11	28



30482 Push-on Hose Barb to Male SAE 45°

#	Thread		Hose Size		A		H	B		
	Inch		Inch		Inch	mm		Inch	mm	
30482-4-4B	1/4	7/16 x 20	-4	1/4	-4	1.51	38	7/16	0.76	19
30482-5-4B	5/16	1/2 x 20	-5	1/4	-4	1.61	41	9/16	0.86	22
30482-6-6B	3/8	5/8 x 18	-6	3/8	-6	1.84	47	5/8	0.94	24
30482-8-8B	1/2	3/4 x 16	-8	1/2	-8	2.15	55	3/4	1.1	28

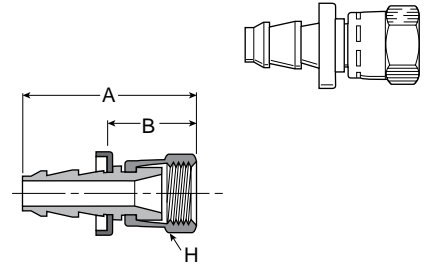


G
 General Purpose Hose
 Push-on Hose Fittings

30682 Push-on Hose Barb to Female SAE JIC 37° Swivel

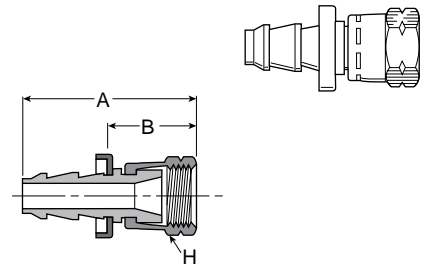
#	Thread			Hose Size		A		H	B	
	Part No.	Inch		Inch		Inch	mm	Inch	Inch	mm
30682-4-4B	1/4	7/16 x 20	-4	1/4	-4	1.52	39	9/16	0.77	20
30682-5-4B	5/16	1/2 x 12	-5	1/4	-4	1.58	40	5/8	0.83	21
30682-6-6B	3/8	9/16 x 18	-6	1/4	-4	1.61	41	11-16	0.86	22
30682-8-6B*	1/2	3/4 x 16	-8	3/8	-6	1.87	47	7/8	0.97	25
30682-8-8B	1/2	3/4 x 16	-8	1/2	-8	2.02	51	7/8	0.97	25
30682-10-8B*	5/8	7/8 x 14	-10	1/2	-8	2.14	54	1	1.09	28
30682-10-10B	5/8	7/8 x 14	-10	5/8	-10	2.54	65	1	1.09	28
30682-12-12B	3/4	1-1/16 x 12	-12	3/4	-12	2.65	67	1-1/4	1.2	30

*Also connects to SAE 45°



30882 Push-on Hose Barb to Female SAE 45° Swivel

#	Thread			Hose Size		A		H	B	
	Part No.	Inch		Inch		Inch	mm	Inch	Inch	mm
30882-4-4B	1/4	7/16 x 20	-4	1/4	-4	1.52	39	9/16	0.76	19
30882-5-4B	5/16	1/2 x 20	-5	1/4	-4	1.58	40	5/8	0.83	21
30882-6-6B	3/8	5/8 x 18	-6	3/8	-6	1.81	46	3/4	0.91	23
30882-8-8B	1/2	3/4 x 16	-8	1/2	-8	2.02	51	7/8	0.97	25
30882-10-10B	5/8	7/8 x 14	-10	5/8	-10	2.54	65	1	1.09	28
30882-12-12B	3/4	1-1/16 x 14	-12	3/4	-12	2.65	67	1-1/4	1.19	30



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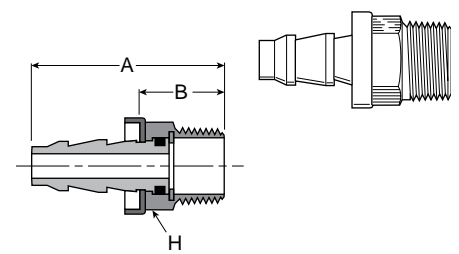
General Purpose Hose

Push-on Hose Fittings

31382 Push-on Hose Barb to Male Pipe Swivel

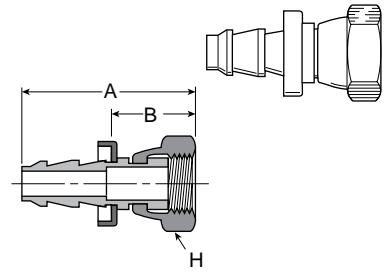
#	Thread		Hose Size		A		H	B	
	Part No.	Inch	Inch	Inch	Inch	mm	Inch	Inch	mm
31382-4-4	1/4 x 18	-4	1/4	-4	1.6	41	9/16	.85	22
31382-6-6	3/8 x 18	-6	3/8	-6	1.79	45	11/16	.89	23
31382-8-8*	1/2 x 14	-8	1/2	-8	2.2	56	7/8	1.15	29

* Steel



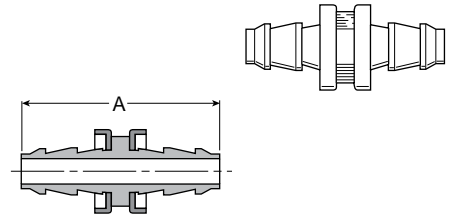
**37G82 Push-on Hose Barb to Female Pipe (NPSM)
 Swivel with Gasket**

# Part No.	Gasket	Thread		Hose Size		A		H Inch	B	
		Inch	-	Inch	-	Inch	mm		Inch	mm
37G82-4-4	07G-4	1/4- 18	-4	1/4	-4	1.55	39	11/16	0.80	20
37G82-4-6	07G-4	1/4- 18	-4	3/8	-6	1.7	43	11/16	0.80	20
37G82-6-6	07G-6	3/8- 18	-6	3/8	-6	1.75	44	7/8	0.85	22
37G82-8-8	07G-8	1/2- 14	-8	1/2	-8	2.07	53	1	1.02	26
37G82-8-10	07G-8	1/2- 14	-8	5/8	-10	2.47	63	1	1.02	26
37G82-12-12	07G-12	3/4- 14	-12	3/4	-12	2.54	65	1-1/4	1.09	28



38282 Push-on Hose Barb Union

# Part No.	Hose Size		A	
	Inch	-	Inch	mm
38282-4-4B	1/4	-4	1.80	46
38282-6-6B	3/8	-6	2.15	55
38282-8-8B	1/2	-8	2.51	64



G

General Purpose Hose

Push-on Hose Fittings