

FLARELESS BRASS FITTINGS

Flareless FITTINGS

Flareless Brass Tube Fittings are Interchangeable with Poly-Flo®, Poly-Tite® and Poly-Line® and Poly-Fit®



Built-in SS
Tube Support

Tube O.D.	1/8	3/16	1/4	5/16	3/8	1/2
Thread Size-B	5/16-24	3/8-24	3/8-24	7/16-24	1/2-24	1 1/16-20

•Typical Application

Pneumatic instrumentation circuits, lubricant and cooling lines.

•Working Pressure and Temperature Ranges

Up to 150 PSI from 0°F to + 150°F with thermoplastic tubing. Up to 300 PSI from 0°F to + 175°F with soft metal tubing.

•Maximum allowable metal tube wall thickness for use with Poly-Tite fittings:

1/8", 3/16" O.D. --no limitation,
1/4" O.D.--.035 5/16", 3/8", 1/2" O.D.--.049

•Vibration

Excellent Resistance.

•Temperature Range

Depends on tubing used. -65°F to +250°F (-53°C to +121°C) with brass sleeve, -40°F to +150°F (-40°C to +66°C) with plastic sleeve. (Refer to tubing temperature range.)

•Used With

Aluminum & copper tubing. Hard plastic tubing requires brass sleeve. Not recommended for steel tubing.

• Tolerance

+/- .02 on all dimensions. Dimension data can change without notice. Please call us when dimen-

sions are critical.

•Advantages

No flaring of tubing required. Easy installation, captive sleeve, pre-assembled for installation and can be reassembled. Nuts rotate around the sleeve during tightening, preventing twisting of tubing.

•Assembly Instructions

- 1- Cut tubing to desired length.
- 2- Slide nut/sleeve assembly on tube. Threaded end "A" of nut must face toward fitting.
- 3- Bottom tubing into fitting.
- 4- Plastic sleeve - Tighten nut hand tight.
Brass Sleeve - Tighten nut hand tight, then an additional 3/4 turn.

* Note: 1/8 and 3/16 sizes have brass sleeves

Save 5% by ordering online at
www.midlandindustries.com

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

FLARELESS

BRASS FITTINGS

NUT AND PLASTIC SLEEVE ASSEMBLY - WHITE SLEEVE



MP61P
261PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20211	022661-04	261PF-4	----	1/4"	MP61P-4	----
20212	022661-05	261PF-5	----	5/16"	MP61P-5	----
20213	022661-06	261PF-6	----	3/8"	MP61P-6	----

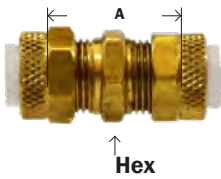
261PF 1261 61PN

NUT AND PLASTIC SLEEVE ASSEMBLY - BLACK SLEEVE



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
				1/4"	MP61P-4BLK	----
				5/16"	MP61P-5BLK	----
				3/8"	MP61P-6BLK	----
				1/2"	MP61P-8BLK	----

NUT/BLACK SLEEVE ASSEMBLY

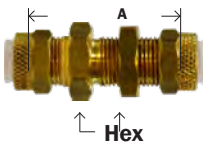


MP62
262PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20240	02662-02	262PF-2	----	1/8"	MP62-2	----
20241	02662-03	262PF-3	----	3/16"	MP62-3	----
20242	02662-04	262PF-4	----	1/4"	MP62-4	----
20243	02662-05	262PF-5	----	5/16"	MP62-5	----
20244	02662-06	262PF-6	----	3/8"	MP62-6	----
20200	02656-0604	256PF-64	----	3/8" x 1/4"	MP56-64	----
20245	02662-08	262PF-8	----	1/2"	MP62-8	----
				1/2" x 3/8"	MP56-86	----

262PF 1262 62P 262P

BULKHEAD UNION

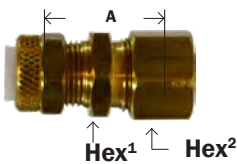


MP82
282PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20337	02682-04	282PF-4	----	1/4"	MP82-4	----
20338	02682-05	282PF-5	----	5/16"	MP82-5	----
20339	02682-06	282PF-6	----	3/8"	MP82-6	----
	02682-08	282PF-8		1/2"	MP82-8	----

62PBH 329P 282P

UNION TUBE #M62C - FLARELESS X STANDARD COMPRESSION



MP62C
262PFC

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20235	02642-04		----	1/4"	MP62C-4	----
				5/16"	MP62C-5	----
20237	02642-06		----	3/8"	MP62C-6	----

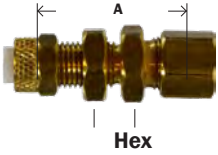
262S 62PCA 262PC

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BRASS

FLARELESS

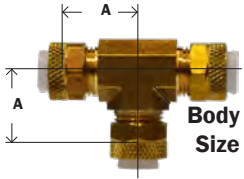
BRASS FITTINGS

BULKHEAD UNION - FLARELESS X COMPRESSION

MP827
282PFC

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20333	02648-04			1/4"	MP82C-4	----
20334	02648-06			3/8"	MP82C-6	----

1274

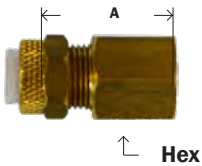
UNION TEE

* Reducing Branch

MP6A
264PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20248	02664-02	264PF-2		1/8"	MP64-2	----
20249				3/16"	MP64-3	----
20250	02664-04	264PF-4		1/4"	MP64-4	----
20251	02664-05	264PF-5		5/16"	MP64-5	----
20252	02664-06	264PF-6		3/8"	MP64-6	----
20330*	02679-0604	264PF-664		3/8" x 1/4"	MP79-64	----
20253	02664-08	264PF-8		1/2"	MP64-8	----

1264 164P 264P

FEMALE CONNECTOR

MP66
266PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
20256	02666-0202	266PF-2A		1/8" x 1/8"	MP66-22	----
20257	02666-0302			3/16" x 1/8"	MP66-32	----
				3/16" x 1/4"	MP66-34	----
20259	02666-0402	266PF-4A		1/4" x 1/8"	MP66-42	----
20260	02666-0404	266PF-4B		1/4" x 1/4"	MP66-44	----
20261	02666-0502	266PF-5A		5/16" x 1/8"	MP66-52	----
				5/16" x 1/4"	MP66-54	----
20265	02666-0602			3/8" x 1/8"	MP66-62	----
20262	02666-0604	266PF-6B		3/8" x 1/4"	MP66-64	----
20263	02666-0806	266PF-8C		1/2" x 3/8"	MP66-86	----
				1/2" x 1/2"	MP66-88	----

1266 66P 266P

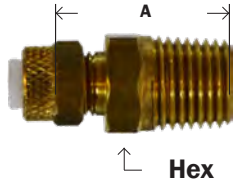
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FLARELESS

BRASS FITTINGS

MALE CONNECTOR

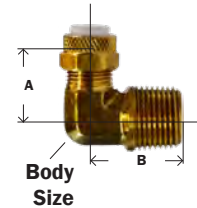


MP68
268PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
		268PF-2X1032		1/8" x 10/32"	MP68-20	----
				1/8" x 1/16"	MP68-21	----
20268	02668-0202	268PF-2A		1/8" x 1/8"	MP68-22	----
20269	02668-0302	268PF-3A		3/16" x 1/8"	MP68-32	----
20270	02668-0400	268PF-4X1032		1/4" x 10/32"	MP68-40	----
	02668-0401			1/4" x 1/16"	MP68-41	----
20271	02668-0402	268PF-4A		1/4" x 1/8"	MP68-42	----
20272	02668-0404	268PF-4B		1/4" x 1/4"	MP68-44	----
20273	02668-0406	268PF-4C		1/4" x 3/8"	MP68-46	----
				1/4" x 1/2"	MP68-48	----
20274	02668-0502	268PF-5A		5/16" x 1/8"	MP68-52	----
20275	02668-0504	268PF-5B		5/16" x 1/4"	MP68-54	----
20276	02668-0602	268PF-6A		3/8" x 1/8"	MP68-62	----
20277	02668-0604	268PF-6B		3/8" x 1/4"	MP68-64	----
20278	02668-0606	268PF-6C		3/8" x 3/8"	MP68-66	----
				3/8" x 1/2"	MP68-68	----
	02668-0804	268PF-8B		1/2" x 1/4"	MP68-84	----
20279	02668-0806	268PF-8C		1/2" x 3/8"	MP68-86	----
20282	02668-0808	268PF-8D		1/2" x 1/2"	MP68-88	----

1268 68P 268P

MALE ELBOW



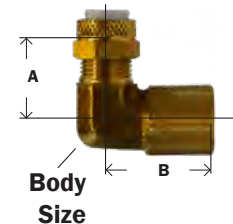
* Barstock

MP69
269PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
				1/8" x 1/16"	MP69-21	----
20287	02669-0202	269PF-2A		1/8" x 1/8"	MP69-22	----
20288	02669-0302	269PF-3A		3/16" x 1/8"	MP69-32	----
20289*	02669-0402	269PF-4A		1/4" x 1/8"	MP69-42	----
20290	02669-0404	269PF-4B		1/4" x 1/4"	MP69-44	----
20291	02669-0406	269PF-4C		1/4" x 3/8"	MP69-46	----
20292	02669-0502	269PF-5A		5/16" x 1/8"	MP69-52	----
20293	02669-0602	269PF-6A		3/8" x 1/8"	MP69-62	----
20294	02669-0604	269PF-6B		3/8" x 1/4"	MP69-64	----
20295	02669-0606	269PF-6C		3/8" x 3/8"	MP69-66	----
20296	02669-0806	269PF-8C		1/2" x 3/8"	MP69-86	----
	02669-0808	269PF-8D		1/2" x 1/2"	MP69-88	----

1269 169P 269P

FEMALE ELBOW



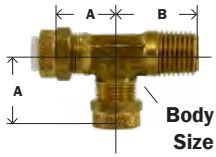
MP70
270PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
20300	02670-0202			1/8" x 1/8"	MP70-22	----
20301	02670-0302			3/16" x 1/8"	MP70-32	----
20302	02670-0402	270PF-4A		1/4" x 1/8"	MP70-42	----
20303	02670-0404	270PF-4B		1/4" x 1/4"	MP70-44	----
20304	02670-0604	270PF-6B		3/8" x 1/4"	MP70-64	----
20305	02670-0806	270PF-8C		1/2" x 3/8"	MP70-86	----

1270 170P

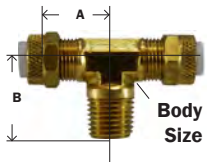
FLARELESS

BRASS FITTINGS

MALE RUN TEEMP71
271PF

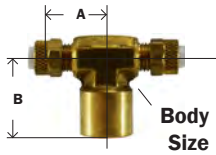
MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
20308	02671-0202			1/8" x 1/8"	MP71-22	----
20309	02671-0302			3/16" x 1/8"	MP71-32	----
20310	02671-0402	271PF-4A		1/4" x 1/8"	MP71-42	----
20311	02671-0404	271PF-4B		1/4" x 1/4"	MP71-44	----
20312	02671-0502			5/16" x 1/8"	MP71-52	----
20313	02671-0604	271PF-6B		3/8" x 1/4"	MP71-64	----
20314	02671-0806	271PF-8C		1/2" x 3/8"	MP71-86	----

1271 171P

MALE BRANCH TEEMP72
272PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
20317	02672-0202	272PF-2A		1/8" x 1/8"	MP72-22	----
20318	02672-0302			3/16" x 1/8"	MP72-32	----
20319	02672-0402	272PF-4A		1/4" x 1/8"	MP72-42	----
20320	02672-0404	272PF-4B		1/4" x 1/4"	MP72-44	----
20321	02672-0502	272PF-5A		5/16" x 1/8"	MP72-52	----
20322	02672-0602	272PF-6A		3/8" x 1/8"	MP72-62	----
20323	02672-0604	272PF-6B		3/8" x 1/4"	MP72-64	----
20324	02672-0806	272PF-8C		1/2" x 3/8"	MP72-86	----

1272 172P 272P

FEMALE BRANCH TEEMP77
277PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
20327	02677-0402			1/4" x 1/8"	MP77-42	----
20328	02677-0404	277PF-4B		1/4" x 1/4"	MP77-44	----
	02677-0406	277PF-4C		1/4" x 3/8"	MP77-46	----

1277 177P 277P

UNIVERSAL NUT AND BRASS SLEEVE ASSEMBLYMP61B
261PFB

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20227	02761-02	261PFB-2		1/8"	MP61B-2	----
20228	02761-03	261PFB-3		3/16"	MP61B-3	----
20229	02761-04	261PFB-4		1/4"	MP61B-4	----
20230	02761-05	261PFB-5		5/16"	MP61B-5	----
20231	02761-06	261PFB-6		3/8"	MP61B-6	----
20232	02761-08	261PFB-8		1/2"	MP61B-8	----

261PFB 1261B 61PB 261UB

C/P NUT PLASTIC SLEEVE ASSEMBLY

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
		02621-04		1/4"	MP61PCP-4	----
		02621-06		3/8"	MP61PCP-6	----

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FLARELESS

BRASS FITTINGS

NUT

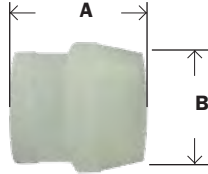


MP61
261PFN

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20218	02961-02	261PFN-2		1/8"	MP61-2	----
20219				3/16"	MP61-3	----
20220	02961-04	261PFN-4		1/4"	MP61-4	----
20221	02961-05	261PFN-5		5/16"	MP61-5	----
20222	02961-06	261PFN-6		3/8"	MP61-6	----
20223	02961-08	261PFN-8		1/2"	MP61-8	----

61PN 1261 261FPN

PLASTIC SLEEVE



MP60
260PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20205	02660-04	260PF-4		1/4"	MP60-4W	----
20206	02660-05	260PF-5		5/16"	MP60-5	----
20207	02660-06	260PF-6		3/8"	MP60-6W	----
20208	02660-08	260PF-8		1/2"	MP60-8	----

260FF 1260 60P 260P

BLACK PLASTIC SLEEVE



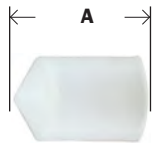
MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
				1/4"	MP60-4BLK	----
				3/8"	MP60-6BLK	----

BRASS SLEEVE ONLY



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
	02760-02	260PFB-2		1/8"	MP60B-2	----
		260PFB-3		3/16"	MP60B-3	----
	02760-04	260PFB-4		1/4"	MP60B-4	----
	02760-06	260PFB-6		3/8"	MP60B-6	----

PLASTIC CAP



MP59
269PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20201	02659-04			1/4"	MP59-4	----
20203	02659-06			3/8"	MP59-6	----
20204	02659-08			1/2"	MP59-8	----

1229 59P 259P

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