

PUSH IN AIR FITTINGS



PUSH-IN/ PUSH-TO-CONNECT FITTINGS

BRASS PUSH-IN



NICKEL PLATED BRASS PUSH-IN



NICKEL PLATED W/ NICKEL COLLET



STAINLESS STEEL PUSH-IN



DOT COMPOSITE PUSH-IN



METRIC N/P BRASS PUSH-IN



COMPOSITE BODY PUSH-IN



COMPOSITE BODY METRIC PUSH-IN



FDA PLASTIC PUSH-IN



DOT BRASS PUSH-IN



Listed above are the push in fittings that are available from the manufacture. Jabo supply stocks the DOT Brass Push in fittings . If another material is needed please contact your Jabo Sales Representative

JABO SUPPLY



5 LOCATIONS

PARKERSBURG, WV

10085 Emerson Avenue 26102
(304) 464-4400

MORGANFIELD, KY

118 Jim Veatch Road, 42437
(270) 389-3430

HUNTINGTON, WV

209 Braley Street, 25705
(304) 736-8333

NORTON, VA

205 Hawthorne Drive, 24273
(276) 679-1224

BEAVER, WV (BECKLEY)

227 C&O Shop Road 25813
(304-252-0000

SINCE 1964 SERVICE IS MORE THAN A PROMISE

COMPOSITE PUSH IN AIR FITTINGS

COMPOSITE PUSH IN AIR
FITTINGS

SPECIFICATIONS

Fluid admitted	Air
Working pressure range	0-150 PSI (10BAR)
Min. Burst pressure	340PSI (23BAR)
Working Temperature range	0°F ~160°F

The latest generation of composite material is used in the body construction in addition to brass on threaded components and stainless steel on the tube gripper.

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

MATERIALS OF CONSTRUCTION:

1	Body	Composite Polyacetal (hemopolymer, copolymer)
2	Body	Brass
3	Tube Release	Acetal Resin
4	Retainer	Brass
5	Gripper Ring	Stainless Steel
6	Spacer	Brass
7	O-Ring	NBR 70
8	Threads	Brass w/ white sealant

PART NUMBERS ARE
MANUFACTURE PART NUMBERS

PLEASE TELL YOUR CUSTOMER
SERVICE REPRESENTATIVE
MANUFACTURE AND PART #

PART NUMBERS ARE MANUFACTURE NUMBERS

COMPOSITE PUSH IN

UNION



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PART #	TUBE O.D.	APPROX. WT. LBS.	LIST PRICE
20017C	1/8"	0.01	---
20018C	5/32"	0.01	---
20001C	3/16"	0.01	---
20019C	1/4"	0.01	---
20015C	5/16"	0.01	---
20020C	3/8"	0.02	---
20021C	1/2"	0.03	---
20016C	1/4" x 5/32"	0.01	---
20515C	5/16" x 1/4"	0.01	---
20022C	3/8" x 1/4"	0.01	---
20516C	3/8" x 5/16"	0.02	---
20024C	1/2" x 3/8"	0.03	---

PQ62P

UNION TEE



PART #	TUBE O.D.	APPROX. WT. LBS.	LIST PRICE
20025C	1/8"	0.01	---
20026C	5/32"	0.01	---
20027C	3/16"	0.02	---
20028C	1/4"	0.02	---
20031C	5/16"	0.02	---
20029C	3/8"	0.02	---
20030C	1/2"	0.08	---

PQ64P

90° UNION ELBOW



PART #	TUBE O.D.	APPROX. WT. LBS.	LIST PRICE
20150C	1/8"	0.01	---
20151C	5/32"	0.01	---
20149C	3/16"	0.01	---
20152C	1/4"	0.02	---
20155C	5/16"	0.02	---
20153C	3/8"	0.02	---
20154C	1/2"	0.02	---

PQ65P

UNION "Y" CONNECTOR



PART #	TUBE O.D.	APPROX. WT. LBS.	LIST PRICE
20551C	5/32"	0.01	---
20553C	1/4"	0.02	---
20182C	5/16"	0.02	---
20555C	3/8"	0.02	---
20185C	1/2"	0.07	---

PQ89P

FEMALE CONNECTOR

• Brass



PART #	TUBE O.D. X FEMALE NPT	APPROX. WT. LBS.	LIST PRICE
20034C	1/4" x 1/8"	0.02	---
20035C	1/4" x 1/4"	0.04	---
20036C	3/8" x 1/4"	0.04	---
20037C	3/8" x 3/8"	0.06	---

COMPOSITE PUSH IN

MALE CONNECTOR

- Nickel Plated



N/P push-in fittings

PART #	TUBE O.D. X MALE NPT	APPROX. WT. LBS.	LIST PRICE
20050C	5/32" x 1/8"	0.02	---
20053C	1/4" x 10-32"	0.02	---
20054C	1/4" x 1/8"	0.02	---
20055C	1/4" x 1/4"	0.02	---
20056C	1/4" x 3/8"	0.04	---
20530C	5/16" x 1/8"	0.05	---
20531C	5/16" x 1/4"	0.05	---
20057C	3/8" x 1/8"	0.05	---
20058C	3/8" x 1/4"	0.06	---
20059C	3/8" x 3/8"	0.06	---
20062C	3/8" x 1/2"	0.08	---
20060C	1/2" x 1/4"	0.06	---
20061C	1/2" x 3/8"	0.08	---
20063C	1/2" x 1/2"	0.10	---

PQ68P

SWIVEL MALE ELBOW

- Swivels for installation only.
- Not a live swivel



* Global Thread

PART #	TUBE O.D. X MALE NPT	APPROX. WT. LBS.	LIST PRICE
20079C	1/8" x 1/8"	0.01	---
20535C*	1/8" x 1/4"	0.01	---
20517C*	3/16" x 1/4"	0.01	---
20080C*	5/32" x 1/8"	0.01	---
20077C*	5/32" x 1/4"	0.01	---
20049C*	5/32" x 10/32"	0.01	---
20078C	1/4" x 10-32	0.01	---
20081C	1/4" x 1/8"	0.02	---
20082C	1/4" x 1/4"	0.04	---
20086C	1/4" x 3/8"	0.06	---
20518C*	1/4" x 1/2"	0.07	---
20537C	5/16" x 1/8"	0.04	---
20538C	5/16" x 1/4"	0.04	---
20539C*	5/16" x 3/8"	0.06	---
20087C	3/8" x 1/8"	0.04	---
20083C	3/8" x 1/4"	0.08	---
20084C	3/8" x 3/8"	0.10	---
20088C	3/8" x 1/2"	0.12	---
20184C	1/2" x 1/4"	0.14	---
20085C	1/2" x 3/8"	0.16	---
20092C*	1/2" x 1/2"	0.18	---

PQ69PS

FEMALE SWIVEL ELBOWS



PART #	TUBE O.D. X FEMALE NPT	APPROX. WT. LBS.	LIST PRICE
20090C	1/4 X 1/4	0.06	---
20091C	3/8 X 1/4	0.10	---



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

COMPOSITE PUSH IN AIR
FITTINGS

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COMPOSITE PUSH IN

45° SWIVELS



PART #	TUBE O.D. X MALE NPT	APPROX. WT. LBS.	LIST PRICE
20139C	1/4 X 1/8	0.04	---
20140C	1/4 X 1/4	0.05	---

SWIVEL MALE RUN TEE

- Swivels for installation only.
- Not a live swivel



* Global Thread

PART #	TUBE O.D. X MALE NPT	APPROX. WT. LBS.	LIST PRICE
20160C*	1/8" x 1/8"	0.03	---
20162C	1/4" x 1/8"	0.04	---
20163C	1/4" x 1/4"	0.04	---
20099C	3/8" x 1/8"	0.06	---
20100C	3/8" x 1/4"	0.08	---
20166C	1/2 x 3/8	0.14	---
20167C	1/2 x 1/2	0.16	---

PQ71PS

SWIVEL MALE BRANCH TEE

- Swivels for installation only.
- Not a live swivel



* Global Thread

PART #	TUBE O.D. X MALE NPT	APPROX. WT. LBS.	LIST PRICE
20103C*	1/8" x 1/8"	0.02	---
20519C*	1/8" x 1/4"	0.03	---
20109C*	5/32" x 1/8"	0.02	---
20135C*	5/32" x 1/4"	0.03	---
20104C*	5/32" x 10/32"	0.03	---
20105C	1/4" x 1/8"	0.04	---
20106C	1/4" x 1/4"	0.06	---
20121C	1/4" x 3/8"	0.08	---
20136C*	5/16" x 1/8"	0.04	---
20137C*	5/16" x 1/4"	0.05	---
20832C*	5/16" x 3/8"	0.06	---
20107C	3/8" x 1/4"	0.10	---
20108C	3/8" x 3/8"	0.12	---
20158C*	3/8 X 1/2	0.14	---
20138C*	1/2 X 1/4	0.14	---
20110C	1/2 X 3/8	0.16	---
20111C	1/2 X 1/2	0.21	---

PQ72PS

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BULKHEAD UNION



PART #	TUBE O.D.	APPROX. WT. LBS.	LIST PRICE
20127C	1/4"	0.04	---
20128C	3/8"	0.06	---
20129C	1/2"	0.10	---

PQ82P

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COMPOSITE PUSH IN

BULKHEAD FEMALES



PART #	TUBE O.D. X THREAD	APPROX. WT. LBS.	LIST PRICE
20171C	1/4 X 1/4	0.04	---

SWIVEL "Y" CONNECTOR



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PART #	TUBE O.D. X MALE NPT	APPROX. WT. LBS.	LIST PRICE
20187C	1/4 X 1/8	0.02	---
20557C	1/4" x 1/4"	0.02	---
20188C	3/8 X 1/4	0.04	---
20189C	3/8 X 3/8	0.04	---
20194C	1/2 X 3/8	0.06	---
20195C	1/2 X 1/2	0.09	---

• Swivels for installation only. • Not a live swivel

PQ88PS

IN-LINE NEEDLE VALVE



PART #	TUBE O.D.	APPROX. WT. LBS.	LIST PRICE
20487C	1/4"	0.04	---
20488C	5/16"	0.05	---
20489C	3/8"	0.06	---

PQ310C

RIGHT ANGLE FLOW CONTROL METER IN



- Marked w/V
- Free flow out

PART #	TUBE O.D. X MALE NPT	APPROX. WT. LBS.	LIST PRICE
20727C	1/4 X 1/8	0.04	---
20728C	1/4" x 1/4"	0.04	---
20780C	3/8 X 1/4	0.06	---
20781C	3/8 X 3/8	0.06	---
20782C	1/2 X 1/2	0.10	---

• Free flow out

JPQ

RIGHT ANGLE FLOW CONTROL METER OUT



- Marked w/C
- Free flow out

- Free flow in

PART #	TUBE O.D. X MALE NPT	APPROX. WT. LBS.	LIST PRICE
20785C	1/4 x 1/8	0.04	---
20786C	1/4 x 1/4	0.04	---
20787C	3/8 x 1/4	0.06	---
20788C	3/8 x 3/8	0.06	---
20789C	1/2 x 1/2	0.10	---

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BRASS D.O.T. PUSH IN AIR FITTINGS



D.O.T. PUSH-IN TUBE FITTINGS

BRASS D.O.T. PUSH IN AIR
FITTINGS

Meets D.O.T. FMVSS 571.106 SAE J1131 Air Brake System Requirements

Benefits for Cost Savings & Engineering Project

- Fast assembly: No tools required. Simply push tubing in. Saves up to 75% of assembly time compared to standard air compression fittings. No loose parts to handle.
- Fast disconnect: Hold the collet collar with two fingers and pull out tube. No tools required.
- Reusable: Can be connected and disconnected several times.
- Reliable sealing: Using recommended tubing, full sealing is guaranteed.
- Versatility: Buna N O'ring standard. Viton and others available per request. Secure tube retention. Pulling on tubing only serves to tighten the connection.
- Pre-Applied Teflon® based pipe sealant on all male pipe threads, saving customer additional labor.
- Full Flow Design, provides more flow area than conventional fittings with internal tube supports even in the swivels.

DOT Fittings are constructed with an all brass captive eyelet which allows for maximum flow. The brass captive eyelet with extended length is floating and has a machined top end radius for easy installation of tubing. All male threads have a pre-applied Teflon® based pipe sealant to provide for easy assembly and leak proof seal.

• Materials:

Brass
"O" Ring: Buna - Nitrile (90 Durometer)
EP (Ethylene Propylene)

• Working Pressures & Temperature Ranges

Vacuum to 150 PSI
-40°F to 200°F (-40°C to +93°C)

Dimension data can change without notice. Please check when dimensions are critical.

BRASS D.O.T. PUSH IN FITTINGS

BRASS D.O.T. PUSH IN AIR
FITTINGS

D.O.T. PUSH-IN UNION

D.O.T. PUSH-IN UNION	
	
JABO PART#	SIZE
038-12868	1/4"
038-12869	5/32"
038-12870	3/8"
038-12872	1/2"
038-12873	5/8"
038-12874	3/4"
OTHER SIZES AVAIL UPON REQUEST	

D.O.T. PUSH-IN UNION TEE

D.O.T. PUSH IN UNION TEE	
	
JABO PART#	SIZE
038-12875	1/4"
038-12876	3/8"
038-12877	1/2"
OTHER SIZES AVAIL UPON REQUEST	

PUSH IN X MIP D.O.T. ADAPTER

PUSH IN X MIP DOT	
	
JABO PART#	SIZE
038-12892	3/16X1/8"
038-12910	5/32 X 1/8"
038-12893	1/4X1/8"
038-12894	1/4 X 1/4"
038-12898	3/8 X 1/4"
038-12899	3/8 X 3/8"
038-12903	1/2 X 1/2"
038-12905	5/8 X 1/2"
038-12907	3/4"
OTHER SIZES AVAIL UPON REQUEST	

PUSH IN X DOT MIP ELBOW

PUSH IN X MIP D.O.T. ELL	
	
JABO PART#	SIZE
038-12911	3/16X1/8"
OTHER SIZES AVAIL UPON REQUEST	

PUSH-IN X MIP DOT SWIVEL

PI X MIP DOT SWIVEL	
	
JABO PART#	SIZE
038-12942	5/32 X 1/8"
038-12913	1/4 X 1/8"
038-12915	1/4 X 1/4"
038-12921	3/8 X 1/4"
038-12923	3/8 X 3/8"
038-12931	1/2 X 1/2"
038-12935	5/8 X 1/2"
038-12939	3/4"
OTHER SIZES AVAIL UPON REQUEST	

PUSH-IN X MIP SWIVEL 45 DOT
ELBOW

PI X MIP SWIVEL	
	
JABO PART#	SIZE
038-12964	1/4X1/4"
038-12970	3/8X3/8"
038-12977	1/2X1/2"
038-12980	5/8 X 1/2"
038-12982	3/4"
OTHER SIZES AVAIL UPON REQUEST	



BRASS PUSH IN



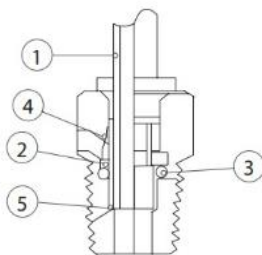
BRASS PUSH-IN FITTINGS



ENGINEERING AND DESIGN

- **QUICK CONNECT**, simply push tubing in, no tools. Saves up to 75% of assembly time of standard compression fittings.
- **QUICK DISCONNECT**, hold two fingers on insert and pull tubing out, no tools required.
- **REUSEABLE**, connect and disconnect numerous times.
- **FULL FLOW DESIGN**, provides up to 60% more flow area than conventional fittings with internal tube supports.
- **POSITIVE SEAL**, no leaks. After tubing is inserted, seal is made.
- **VERSATILE**, BunaN "O" rings standard. Other materials of "O" rings available.
- **SECURE TUBE RETENTION**, pulling on tubing only serves to tighten the connection.
- **SELF CONTAINED ASSEMBLY**, no loose parts, brass body and insert.
- **BRASS CONSTRUCTION**, elbows and tees are forged brass.

- **CHOICE** of convenient swivel or economical stationary elbows and tees.
- **STRAIGHT CONNECTORS** have interior hex for Allen key tightening where space is limited...no need to use a wrench.
- **PRE-APPLIED TEFLON**® based pipe sealant on all male pipe threads, saving customer additional labor.
- **METRIC SIZES AVAILABLE**: Metric tube sizes from 2mm through 12mm in both standard NPT and metric pipe sizes are available on a special order basis.
- **WORKING TEMPERATURE**: -100°F to 200°F (other ranges available on request).
- **PIPE THREAD**: NPTF with Teflon® based sealant pre-applied.
- **TOLERANCE** +/- .02 on all dimensions. Dimension data can change without notice. Please call us when dimensions are critical



When tubing (1) is inserted into the fitting, it first passes through the gripping teeth (2). Just beyond the gripping teeth is the o-ring (3) which provides the leak proof seal against the OD of the tube. The gripping teeth grab the tube, which expands the insert. Pulling back on the tube only tightens the grip as the insert moves onto the camming surface (4). Pressure through the tube also serves to tighten the grip. The tube bottoms against a positive tube stop (5) in a cavity providing tube support to prevent leakage.

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BRASS PUSH IN AIR
FITTINGS

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BRASS PUSH IN FITTINGS

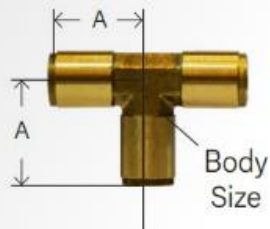
BRASS PUSH IN AIR
FITTINGS

Union Connector

AQ62P
MQ62PART NUMBERS ARE
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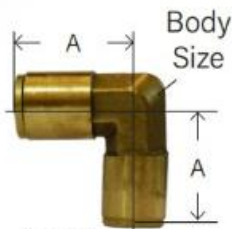
PART #	TUBE O.D.	A	B
20017	1/8"	1.07	0.38
20018	5/32"	1.07	0.38
20019	1/4"	1.50	0.44
20001	3/16"		
20022	3/8" x 1/4"	1.46	0.56
20015	5/16"		
20020	3/8"	1.44	0.56
20021	1/2"	1.63	0.81

UNION TEE

AQ64P
MQ64

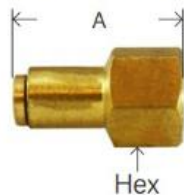
PART #	TUBE O.D.	A	BODY SIZE
20025	1/8"	0.65	0.31
20026	5/32"	0.67	0.31
20027	3/16"	0.75	0.37
20028	1/4"	0.92	0.37
20031*	5/16"	0.89	0.49
20029	3/8"	0.98	0.50
20030	1/2"	1.16	0.62
20029R64	3/8" x 1/4"		

UNION ELBOW

AQ65P
MQ65

PART #	TUBE O.D.	A	BODY SIZE
20150	1/8"	0.65	0.31
20151	5/32"	0.67	0.31
20152	1/4"	0.87	0.37
20155	5/16"	0.91	0.47
20153	3/8"	0.97	0.50
20154	1/2"	1.15	0.62

FEMALE CONNECTOR



AQ66P

PART #	TUBE O.D. X FEMALE NPTF	A	HEX
20032	1/8" x 1/8"	0.96	0.56
20038	1/8" x 1/4"	1.04	0.67
20012	5/32" x 1/8"	1.09	0.56
20034	1/4" x 1/8"	1.23	0.56
20035	1/4" x 1/4"	1.42	0.75
20036	3/8" x 1/4"	1.32	0.75
20037	3/8" x 3/8"	1.31	0.87

MIDLAND
INDUSTRIES

BRASS PUSH IN FITTINGS

MALE CONNECTOR



PUSH-IN X MIP ADAPTER

ADAPTER

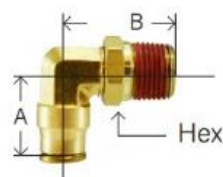


JABO PART#	SIZE
038-12294	5/16X1/4

PART #	TUBE O.D. X MALE NPTF	A	HEX
20045	1/8" x 1/16"	0.68	0.37
20047*	1/8" x 10-32"	0.69	0.37
20048	1/8" x 1/8"	0.61	0.43
20023	1/8" x 1/4"	0.98	0.56
20049*	5/32" x 10-32"*	0.67	0.37
20050	5/32" x 1/8"	0.67	0.43
20046	5/32" x 1/4"	0.85	0.56
20051*	3/16" x 10-32"*	0.80	0.37
20052	3/16" x 1/8"	0.93	0.43
20053*	1/4" x 10-32"*	0.70	0.43
20039	1/4" x 1/16"	0.92	0.43
20054	1/4" x 1/8"	0.93	0.43
20055	1/4" x 1/4"	0.93	0.56
20056	1/4" x 3/8"	0.94	0.68
20530	5/16" x 1/8"	1.07	0.56
20531	5/16" x 1/4"	0.98	0.56
20532	5/16" x 3/8"	1.06	0.75
20057	3/8" x 1/8"	1.10	0.56
20058	3/8" x 1/4"	1.11	0.56
20059	3/8" x 3/8"	1.02	0.68
20062	3/8" x 1/2"	1.02	0.87
20060	1/2" x 1/4"	1.36	0.81
20061	1/2" x 3/8"	1.30	0.81
20063	1/2" x 1/2"	1.23	0.87

BRASS PUSH IN AIR
FITTINGS

SWIVEL MALE ELBOW

AQ69PS
MQ69S

* Nickel Plated

** Furnished with gaskets

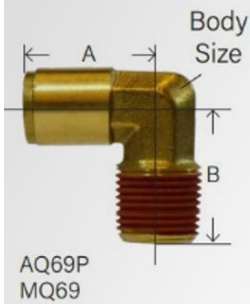
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PART #	TUBE O.D. X MALE NPTF	A	B	HEX
20079C210	1/8" x 10-32"			
20079	1/8" x 1/8"	0.69	0.98	0.43
20535*	1/8" x 1/4"	0.76	0.87	0.56
20076**	5/32" x 10-32"	0.67	0.71	0.37
20080	5/32" x 1/8"	0.68	0.89	0.43
20077	5/32" x 1/4"	0.68	1.08	0.56
20078**	1/4" x 10-32"	0.86	0.79	0.31
20081	1/4" x 1/8"	0.90	0.93	0.37
20082	1/4" x 1/4"	0.90	0.99	0.56
20086	1/4" x 3/8"	0.98	1.14	0.68
20538*	5/16" x 1/4"	0.91	0.85	0.56
20539*	5/16" x 3/8"	0.91	0.87	0.75
20087	3/8" x 1/8"	1.00	1.06	0.43
20083	3/8" x 1/4"	0.99	1.15	0.56
20084	3/8" x 3/8"	1.00	1.24	0.68
20088	3/8" x 1/2"	1.00	1.54	0.87
20085	1/2" x 3/8"	1.16	1.34	0.68
20092	1/2" x 1/2"	1.16	1.51	0.87

BRASS PUSH IN FITTINGS

BRASS PUSH IN AIR
FITTINGS

FIXED MALE ELBOW



Dimension data can
change without notice.
Please check when di-
mensions are critical.

PART #	TUBE O.D. X MALE NPTF	A	B	BODY SIZE
20065	1/8" x 1/8"	0.69	0.69	0.31
20066	5/32" x 1/8"	0.68	0.68	0.31
20067	3/16" x 1/8"	0.75	0.71	0.37
20068	1/4" x 1/8"	0.89	0.75	0.37
20069	1/4" x 1/4"	0.95	0.96	0.37
20070	1/4" x 3/8"	1.00	0.98	0.50
20071	3/8" x 1/8"	0.99	0.80	0.50
20072	3/8" x 1/4"	0.98	0.98	0.50
20073	3/8" x 3/8"	0.97	0.98	0.50
20074	1/2" x 1/4"	1.15	1.05	0.62
20075	1/2" x 3/8"	1.18	1.05	0.62
20064	1/2" x 1/2"	1.16	1.66	0.62

PART NUMBERS ARE
MANUFACTURE PART NUMBERS

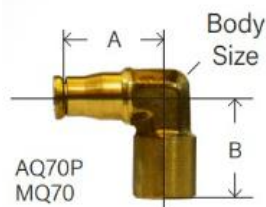
PLEASE TELL YOUR CUSTOMER
SERVICE REPRESENTATIVE
MANUFACTURE AND PART #

FEMALE SWIVEL ELBOW



PART #	TUBE O.D. X FEMALE NPTF	A	B	HEX
20094S	5/32" x 1/8"	0.76	1.06	0.56
20089S	1/4" x 1/8"	0.98	1.08	0.56
20090S	1/4" x 1/4"	0.98	1.26	0.75

FIXED FEMALE ELBOW



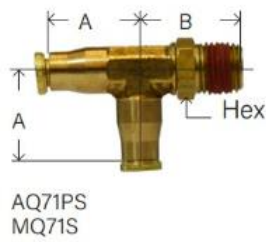
PART #	TUBE O.D. X FEMALE NPTF	A	B	BODY SIZE
20192	1/8" x 1/8"	0.78	0.82	0.31
20089	1/4" x 1/8"	0.91	0.75	0.37
20090	1/4" x 1/4"	1.03	1.03	0.50
20091	3/8" x 1/4"	0.98	0.95	0.50

MIDLAND
INDUSTRIES

BRASS PUSH IN FITTINGS

BRASS PUSH IN AIR
FITTINGS

SWIVEL MALE RUN TEE



PART #	TUBE O.D. X MALE NPTF	A	B	HEX
20160	1/8" x 1/8"	0.65	0.86	0.43
20161	5/32" x 1/8"	0.67	1.04	0.43
20162	1/4" x 1/8"	0.92	1.04	0.44
20163	1/4" x 1/4"	0.92	1.13	0.56
20168	1/4" x 3/8"			
20164	3/8" x 1/4"	0.94	1.19	0.56
20165	3/8" x 3/8"	0.96	1.24	0.50
20166	1/2" x 3/8"	1.14	1.31	0.68
20167	1/2" x 1/2"	1.14	1.61	0.87

FIXED MALE RUN TEE



PART #	TUBE O.D. X MALE NPTF	A	B	BODY SIZE
20095	1/8" x 1/8"	0.65	0.72	0.31
20098	1/4" x 1/8"	0.92	0.74	0.37
20093	1/4" x 1/4"	0.92	0.92	0.43
20099	3/8" x 1/8"	0.94	0.82	0.50
20100	3/8" x 1/4"	0.98	0.98	0.50
20101	3/8" x 3/8"	1.05	1.05	0.62
20102	1/2" x 3/8"	1.14	1.05	0.62

PART NUMBERS ARE
MANUFACTURE PART NUMBERSPLEASE TELL YOUR CUSTOMER
SERVICE REPRESENTATIVE
MANUFACTURE AND PART #

SWIVEL MALE BRANCH TEE



PART #	TUBE O.D. X MALE NPTF	A	B	HEX
20103	1/8" x 1/8"	0.65	0.81	0.31
20104*	5/32" x 10-32"*	0.65	0.71	0.31
20109	5/32" x 1/8"	0.67	0.94	0.37
20105	1/4" x 1/8"	0.92	0.97	0.43
20106	1/4" x 1/4"	0.92	1.09	0.55
20107	3/8" x 1/4"	0.96	1.14	0.56
20108	3/8" x 3/8"	0.96	1.23	0.69
20110	1/2" x 3/8"	1.16	1.34	0.69
20111	1/2" x 1/2"	1.16	1.64	0.87

FIXED MALE BRANCH TEE



PART #	TUBE O.D. X MALE NPTF	A	B	BODY SIZE
20112	1/8" x 1/8"	0.69	0.72	0.31
20113	5/32" x 1/8"	0.69	0.65	0.31
20115	1/4" x 1/8"	0.92	0.74	0.37
20116	1/4" x 1/4"	0.91	0.91	0.43
20117	3/8" x 1/8"	0.98	0.80	0.50
20118	3/8" x 1/4"	0.98	0.97	0.50
20119	3/8" x 3/8"	0.98	0.97	0.50
20607	1/2" x 1/4"			
20120	1/2" x 3/8"	1.16	1.05	0.62

MIDLAND
INDUSTRIES

BRASS PUSH IN FITTINGS

SWIVEL 45° ELBOW

PART NUMBERS ARE
MANUFACTURE PART NUMBERS

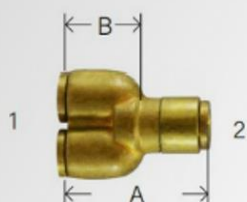
PLEASE TELL YOUR CUSTOMER
SERVICE REPRESENTATIVE
MANUFACTURE AND PART #



PART #	TUBE O.D. X MALE NPTF	A	B	BODY SIZE
20139	1/4" x 1/8"			
20140	1/4" x 1/4"			
20141	3/8" x 1/4"			

BRASS PUSH IN AIR
FITTINGS

UNION "Y"



PART #	TUBE O.D. 1 X 2	A	B
20551	5/32" x 5/32"	1.36	0.81
20552	1/4" x 1/8"	1.61	1.06
20553	1/4" x 1/4"	1.81	1.16

BULKHEAD UNION



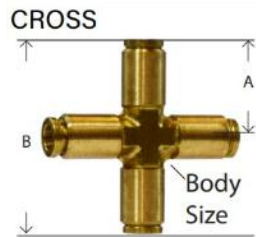
PART #	TUBE O.D. A	B	C	HEX
20124	1/8"	1.12	7/16-20	0.62
20125	5/32"	1.12	7/16-20	0.62
20126	3/16"	1.27	1/2-20	0.68
20127	1/4"	1.69	1/2-20	0.68
20128	3/8"	1.69	3/4-16	0.81
20129	1/2"	1.85	15/16-20	1.12

FEMALE BULKHEAD UNION



PART #	TUBE O.D. X FEMALE NPTF	A	HEX
20170	1/4" x 1/8"	1.19	0.68
20171	1/4" x 1/4"	1.36	0.75
20172	3/8" x 1/4"	1.71	0.75

BRASS PUSH IN FITTINGS



SIZE	SIZE	A	B	BODY SIZE
20142	1/4"	1.03	2.06	0.37
20143	3/8"	1.06	2.12	0.50

BRASS PUSH IN AIR
FITTINGS

REDUCER - NICKEL PLATED - TUBE OD X STUD



PART #	TUBE O.D. 1 X 2	A	B
20510	1/8" x 1/4"	1.38	0.39
20511	5/32" x 1/4"	1.33	0.35
20512	1/4" x 3/8"	1.50	0.51



NICKEL PLATED PUSH IN FITTINGS



NICKEL PLATED PUSH-IN FITTINGS WITH GLOBAL THREAD

• NPTF • BSPP • BSPT • ISO 7 • ISO 228 • G THREAD • J THREAD



- Saves time and money
- No stripped threads
- No stripped parts
- Reduce inventory

- Completely reusable
- Quick installation
- No pitch identification

Component Parts and Materials	
Body	Brass - Nickel Plated
Thrust Ring	Acetalic Resin/ Glass filled Nylon
Sleeve	Brass - Nickel Plated
Gripper Collet	Stainless Steel
Safety Ring	PA66
Lip Seal (1/8 O-Ring Seal)	NBR 70
Thread Seal	NBR 70

Max Operating Pressure: Vacuum to 290PSI.
 Min Temperature: -4°F
 Max Temperature: 176°F
 Tubing: Nylon, Polyethylene, Polyurethane.
 - For best results use 95 Durometer
 Media: Compressed air, water, vacuum

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

GLOBAL THREAD Works With Inch or Metric Threads



"Global Thread" fittings can be assembled with female threads produced to the following standards:

Tapered NPTF
 Parallel (BSPP, BSP, ISO 7)
 Tapered (BSPT, PT, ISO 7, ISO 228)

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

NICKEL PLATED PUSH IN
AIR FITTINGS

NICKEL PLATED PUSH IN FITTINGS

NICKEL PLATED PUSH IN
AIR FITTINGS

PUSH-IN UNION NICKLE PLTD

NICKEL PUSH IN UNION



JABO PART#	SIZE
038-12375	5/16
OTHER SIZES AVAIL UPON REQUEST	



FOR ALL OTHER NICKEL PLATED PUSH IN FITTINGS GO

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midlandindustries.com

