

COMPOSITE BODY PUSH-IN FITTINGS

BRASS FITTINGS

Composite Body Push-In Fittings

- For Food Grade, see page 340-343

Specifications

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

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

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.

May you live all the
days of your life.

- Jonathan Swift



GO ONLINE TO VIEW OPEN ORDERS, ORDER HISTORY, AND TRACKING INFORMATION ON ALL SHIPMENTS

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 BODY PUSH-IN FITTINGS

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UNION



MIDLAND	CHAMPION	TUBE O.D.	LIST
20017C	262PPC-2	1/8"	
20018C	262PPC-2.5	5/32"	
20001C	262PPC-3	3/16"	
20019C	262PPC-4	1/4"	
20015C	262PPC-5	5/16"	
20020C	262PPC-6	3/8"	
20021C	262PPC-8	1/2"	
	262PPC-42	1/4" x 1/8"	
20016C	262PPC-42.5	1/4" x 5/32"	
20515C	262PPC-54	5/16" x 1/4"	
20022C	262PPC-64	3/8" x 1/4"	
20516C	262PPC-65	3/8" x 5/16"	
20024C	262PPC-86	1/2" x 3/8"	

PQ62P

UNION TEE



MIDLAND	CHAMPION	TUBE O.D.	LIST
20025C	264PPC-2	1/8"	
20026C	264PPC-2.5	5/32"	
20027C	264PPC-3	3/16"	
20028C	264PPC-4	1/4"	
20031C	264PPC-5	5/16"	
20029C	264PPC-6	3/8"	
20030C	264PPC-8	1/2"	
	264PPC-2.54	5/32" x 1/4"	
	264PPC-42.5	1/4" x 5/32"	
	264PPC-46	1/4" x 3/8"	
	264PPC-54	5/16" x 1/4"	
	264PPC-64	3/8" x 1/4"	
	264PPC-65	3/8" x 5/16"	
	264PPC-86	1/2" x 3/8"	

PQ64P

90° UNION ELBOW



MIDLAND	CHAMPION	TUBE O.D.	LIST
20150C	265PPC-2	1/8"	
20151C	265PPC-2.5	5/32"	
20149C	265PPC-3	3/16"	
20152C	265PPC-4	1/4"	
20155C	265PPC-5	5/16"	
20153C	265PPC-6	3/8"	
20154C	265PPC-8	1/2"	

PQ65P

UNION "Y" CONNECTOR



MIDLAND	CHAMPION	TUBE O.D.	LIST
	289PPC-2	1/8"	
20551C	289PPC-2.5	5/32"	
20553C	289PPC-4	1/4"	
20182C	289PPC-5	5/16"	
20555C	289PPC-6	3/8"	
20185C	289PPC-8	1/2"	
	289PPC-46	1/4" x 3/8"	
	289PPC-64	3/8" x 1/4"	

PQ89P

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BRASS

COMPOSITE BODY PUSH-IN FITTINGS

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FEMALE CONNECTOR

• Brass

MIDLAND	CHAMPION	TUBE O.D. X FEMALE NPT	LIST
	266PPC-2X1032	1/8" x 10-32	
	266PPC-2A	1/8" x 1/8"	
	266PPC-2.5A	5/32" x 1/8"	
	266PPC-2.5B	5/32" x 1/4"	
	266PPC-3A	3/16" x 1/8"	
20034C	266PPC-4A	1/4" x 1/8"	
20035C	266PPC-4B	1/4" x 1/4"	
	266PPC-5A	5/16" x 1/8"	
	266PPC-5B	5/16" x 1/4"	
	266PPC-5C	5/16" x 3/8"	
	266PPC-6A	3/8" x 1/8"	
20036C	266PPC-6B	3/8" x 1/4"	
20037C	266PPC-6C	3/8" x 3/8"	
	266PPC-6D	3/8" x 1/2"	
	266PPC-8B	1/2" x 1/4"	
	266PPC-8C	1/2" x 3/8"	

PQ66P

MALE CONNECTOR

• Nickel Plated

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
	268PPC-2X1032	1/8" x 10-32	
	268PPC-2X	1/8" x 1/16"	
	268PPC-2A	1/8" x 1/8"	
	268PPC-2B	1/8" x 1/4"	
	268PPC-2.5X1032	5/32" x 10-32	
20050C	268PPC-2.5A	5/32" x 1/8"	
	268PPC-2.5B	5/32" x 1/4"	
	268PPC-3A	3/16" x 1/8"	
	268PPC-3B	3/16" x 1/4"	
20053C	268PPC-4X1032	1/4" x 10-32"	
20054C	268PPC-4A	1/4" x 1/8"	
20055C	268PPC-4B	1/4" x 1/4"	
20056C	268PPC-4C	1/4" x 3/8"	
	268PPC-4D	1/4" x 1/2"	
20530C	268PPC-5A	5/16" x 1/8"	
20531C	268PPC-5B	5/16" x 1/4"	
	268PPC-5C	5/16" x 3/8"	
20057C	268PPC-6A	3/8" x 1/8"	
20058C	268PPC-6B	3/8" x 1/4"	
20059C	268PPC-6C	3/8" x 3/8"	
20062C	268PPC-6D	3/8" x 1/2"	
20060C	268PPC-8B	1/2" x 1/4"	
20061C	268PPC-8C	1/2" x 3/8"	
20063C	268PPC-8D	1/2" x 1/2"	

PQ68P

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SWIVEL MALE ELBOW



- Swivels for installation only.
- Not a live swivel
- * Global Thread

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
	269PPSC-2X1032	1/8" x 10-32	
	269PPSC-2X	1/8" x 1/16"	
20079C	269PPSC-2A	1/8" x 1/8"	
20535C*	269PPSC-2B	1/8" x 1/4"	
20049C*	269PPSC-2.5X1032	5/32" x 10/32	
20080C*	269PPSC-2.5A	5/32" x 1/8"	
20077C*	269PPSC-2.5B	5/32" x 1/4"	
	269PPSC-3A	3/16" x 1/8"	
20517C*		3/16" x 1/4"	
20078C	269PPSC-4X1032	1/4" x 10-32	
20081C	269PPSC-4A	1/4" x 1/8"	
20082C	269PPSC-4B	1/4" x 1/4"	
20086C	269PPSC-4C	1/4" x 3/8"	
20518C*	269PPSC-4D	1/4" x 1/2"	
20537C	269PPSC-5A	5/16" x 1/8"	
20538C	269PPSC-5B	5/16" x 1/4"	
20539C*	269PPSC-5C	5/16" x 3/8"	
20087C	269PPSC-6A	3/8" x 1/8"	
20083C	269PPSC-6B	3/8" x 1/4"	
20084C	269PPSC-6C	3/8" x 3/8"	
20088C	269PPSC-6D	3/8" x 1/2"	
20184C	269PPSC-8B	1/2" x 1/4"	
20085C	269PPSC-8C	1/2" x 3/8"	
20092C*	269PPSC-8D	1/2" x 1/2"	

PQ69PS

LONG PATTERN MALE ELBOWS



MIDLAND	CHAMPION	TUBE O.D. X THREAD	LIST
20572C	269EXTPPSC-4A	1/4" x 1/8"	
20573C	269EXTPPSC-4B	1/4" x 1/4"	
20574C	269EXTPPSC-4C	1/4" x 3/8"	
20579C	269EXTPPSC-6B	3/8" x 1/4"	
20580C	269EXTPPSC-6C	3/8" x 3/8"	
20581C	269EXTPPSC-6D	3/8" x 1/2"	
20582C	269EXTPPSC-8B	1/2" x 1/4"	
20583C	269EXTPPSC-8C	1/2" x 3/8"	
20584C	269EXTPPSC-8D	1/2" x 1/2"	

FEMALE SWIVEL ELBOWS



MIDLAND	CHAMPION	TUBE O.D. X FEMALE NPT	LIST
	270PPSC-2A	1/8" x 1/8"	
	270PPSC-2.5A	5/32" x 1/8"	
	270PPSC-2.5B	5/32" x 1/4"	
	270PPSC-4X1032	1/4" x 10-32	
20089C	270PPSC-4A	1/4" x 1/8"	
20090C	270PPSC-4B	1/4" x 1/4"	
20591C	270PPSC-4C	1/4" x 3/8"	
	270PPSC-5A	5/16" x 1/8"	
	270PPSC-6A	3/8" x 1/8"	
20091C	270PPSC-6B	3/8" x 1/4"	
20595C	270PPSC-6C	3/8" x 3/8"	
20596C		3/8" x 1/2"	
20597C	270PPSC-8C	1/2" x 3/8"	
20598C		1/2" x 1/2"	

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BRASS

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45° SWIVELS

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
20139C	279PPSC-4A	1/4" x 1/8"	
20140C	279PPSC-4B	1/4" x 1/4"	

SWIVEL MALE RUN TEE

- Swivels for installation only.
- Not a live swivel
- * Global Thread

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
	271PPSC-2X1032	1/8" x 10-32	
20160C*	271PPSC-2A	1/8" x 1/8"	
20833C*		1/8" x 1/4"	
20835C*	271PPSC-2.5X1032	5/32" x 10-32	
	271PPSC-2.5A	5/32" x 1/8"	
	271PPSC-2.5B	5/32" x 1/4"	
20834C*	271PPSC-4X1032	1/4" x 10-32	
20162C	271PPSC-4A	1/4" x 1/8"	
20163C	271PPSC-4B	1/4" x 1/4"	
	271PPSC-4C	1/4" x 3/8"	
	271PPSC-5A	5/16" x 1/8"	
	271PPSC-5B	5/16" x 1/4"	
	271PPSC-5C	5/16" x 3/8"	
20099C	271PPSC-6A	3/8" x 1/8"	
20100C	271PPSC-6B	3/8" x 1/4"	
20165C	271PPSC-6C	3/8" x 3/8"	
20181C	271PPSC-6D	3/8" x 1/2"	
20174C	271PPSC-8B	1/2" x 1/4"	
20166C	271PPSC-8C	1/2" x 3/8"	
20167C	271PPSC-8D	1/2" x 1/2"	

PQ71PS

SWIVEL MALE BRANCH TEE

- Swivels for installation only.
- Not a live swivel
- * Global Thread

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
	272PPSC-2X1032	1/8" x 10-32	
	272PPSC-2X	1/8" x 1/16"	
20103C*	272PPSC-2A	1/8" x 1/8"	
20519C*	272PPSC-2B	1/8" x 1/4"	
20104C*	272PPSC-2.5X1032	5/32" x 10-32	
20109C*	272PPSC-2.5A	5/32" x 1/8"	
20135C*	272PPSC-2.5B	5/32" x 1/4"	
20830C*		3/16" x 1/8"	
20831C*	272PPSC-4X1032	1/4" x 10-32	
20105C	272PPSC-4A	1/4" x 1/8"	
20106C	272PPSC-4B	1/4" x 1/4"	
20121C	272PPSC-4C	1/4" x 3/8"	
20136C*	272PPSC-5A	5/16" x 1/8"	
20137C*	272PPSC-5B	5/16" x 1/4"	
20832C*	272PPSC-5C	5/16" x 3/8"	
	272PPSC-6A	3/8" x 1/8"	
20107C	272PPSC-6B	3/8" x 1/4"	
20108C	272PPSC-6C	3/8" x 3/8"	
20158C*	272PPSC-6D	3/8" x 1/2"	
20138C*	272PPSC-8B	1/2" x 1/4"	
20110C	272PPSC-8C	1/2" x 3/8"	
20111C	272PPSC-8D	1/2" x 1/2"	

PQ72PS

BULKHEAD UNION

MIDLAND	CHAMPION	TUBE O.D.	LIST
	283PPC-2	1/8"	
	283PPC-2.5	5/32"	
20127C	283PPC-4	1/4"	
	283PPC-5	5/16"	
20128C	283PPC-6	3/8"	
20129C	283PPC-8	1/2"	

PQ82P

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BRASS FITTINGS

BULKHEAD FEMALES



MIDLAND	CHAMPION	TUBE O.D. X THREAD	LIST
20170C	287PPC-4A	1/4" x 1/8"	
20171C	287PPC-4B	1/4" x 1/4"	
20172C	287PPC-6B	3/8" x 1/4"	
20173C	287PPC-6C	3/8" x 3/8"	
20175C		1/2" x 1/4"	
20176C		1/2" x 3/8"	
20179C		1/2" x 1/2"	

SWIVEL "Y" CONNECTOR



- Swivels for installation only.
- Not a live swivel

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
20187C	288PPSC-4A	1/4" x 1/8"	
20557C	288PPSC-4B	1/4" x 1/4"	
20188C	288PPSC-6B	3/8" x 1/4"	
20189C	288PPSC-6C	3/8" x 3/8"	
20193C	288PPSC-6D	3/8" x 1/2"	
20194C	288PPSC-8C	1/2" x 3/8"	
20195C	288PPSC-8D	1/2" x 1/2"	

PQ88PS

IN-LINE NEEDLE VALVE



MIDLAND	CHAMPION	TUBE O.D.	LIST
	959PPC-2	1/8"	
	959PPC-2.5	5/32"	
20487C	959PPC-4	1/4"	
20488C	959PPC-5	5/16"	
20489C	959PPC-6	3/8"	
	959PPC-8	1/2"	

PQ310C

RIGHT ANGLE FLOW CONTROL METER IN



- Marked w/V
- Free flow out

← Metered

→ Free Flow

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
20727C		1/4" x 1/8"	
20728C		1/4" x 1/4"	
20780C		3/8" x 1/4"	
20781C		3/8" x 3/8"	
20782C		1/2" x 1/2"	

JPQ

RIGHT ANGLE FLOW CONTROL METER OUT



- Marked w/C
- Free flow in

→ Metered

← Free Flow



MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
20785C	958PPC-4A	1/4" x 1/8"	
20786C	958PPC-4B	1/4" x 1/4"	
20787C		3/8" x 1/4"	
20788C	958PPC-6C	3/8" x 3/8"	
20789C	958PPC-8D	1/2" x 1/2"	

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