

# NICKEL PLATED PUSH-IN FITTINGS

BRASS 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)

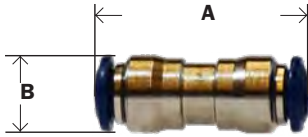
**WARNING:** This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

BRASS

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## BRASS FITTINGS

### UNION CONNECTOR

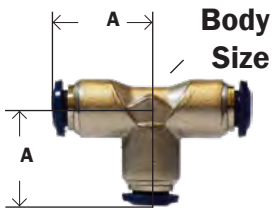


\*w/ plastic collet

MIDLAND	CHAMPION	TUBE O.D.	LIST
20017N	262PPNI-2	1/8"	
20018N*	262PPNI-2.5	5/32"	
20016N	262PPNI-42.5	5/32" x 1/4"	
20019N*	262PPNI-4	1/4"	
20015N*	262PPNI-5	5/16"	
20020N*	262PPNI-6	3/8"	
20022N	262PPNI-64	3/8" x 1/4"	
20021N*	262PPNI-8	1/2"	
20024N	262PPNI-86	1/2" x 3/8"	

62PL 88040

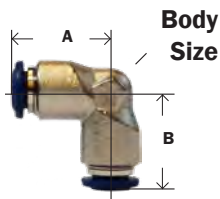
### UNION TEE



MIDLAND	CHAMPION	TUBE O.D.	LIST
20025N	264PPNI-2	1/8"	
20026N*	264PPNI-2.5	5/32"	
20028N*	264PPNI-4	1/4"	
20031N*	264PPNI-5	5/16"	
20029N*	264PPNI-6	3/8"	
20030N*	264PPNI-8	1/2"	

164PL 88230

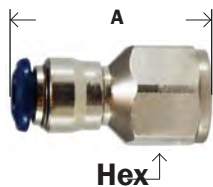
### UNION ELBOW



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

165PL 88130

### FEMALE CONNECTOR



MIDLAND	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
20032N	266PPNI-2A	1/8" x 1/8"	
20038N	266PPNI-2B	1/8" x 1/4"	
20034N	266PPNI-4A	1/4" x 1/8"	
20035N	266PPNI-4B	1/4" x 1/4"	
20036N	266PPNI-6B	3/8" x 1/4"	
20037N	266PPNI-6C	3/8" x 3/8"	

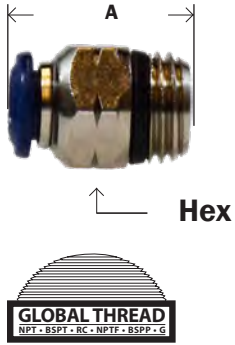
66PL 88030

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# NICKEL PLATED PUSH-IN FITTINGS

## BRASS FITTINGS

### MALE CONNECTOR

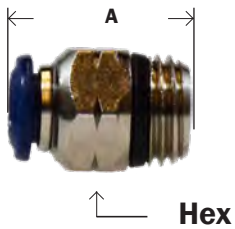


• Can be purchased with NPTF threads upon request

\* Available in stainless steel

MIDLAND	CHAMPION	TUBE O.D. X MALE GLOBAL THREAD	LIST
20047N	268PPNI-2X1032	1/8" x 10-32"	
20048N	268PPNI-2A	1/8" x 1/8"	
20023N	268PPNI-2B	1/8" x 1/4"	
20049N*	268PPNI-2.5X1032	5/32" x 10-32"	
20050N*	268PPNI-2.5A	5/32" x 1/8"	
20046N*	268PPNI-2.5B	5/32" x 1/4"	
20053N*	268PPNI-4X1032	1/4" x 10-32"	
20054N*	268PPNI-4A	1/4" x 1/8"	
20055N*	268PPNI-4B	1/4" x 1/4"	
20056N	268PPNI-4C	1/4" x 3/8"	
20530N*	268PPNI-5A	5/16" x 1/8"	
20531N*	268PPNI-5B	5/16" x 1/4"	
20532N	268PPNI-5C	5/16" x 3/8"	
20057N	268PPNI-6A	3/8" x 1/8"	
20058N*	268PPNI-6B	3/8" x 1/4"	
20059N*	268PPNI-6C	3/8" x 3/8"	
20062N	268PPNI-6D	3/8" x 1/2"	
20841N		1/2" x 1/8"	
20060N	268PPNI-8B	1/2" x 1/4"	
20061N*	268PPNI-8C	1/2" x 3/8"	
20063N*	268PPNI-8D	1/2" x 1/2"	

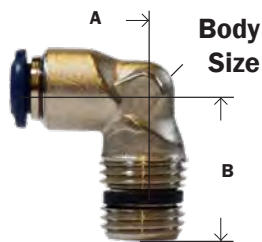
### MALE CONNECTOR WITH INTERNAL HEX



MIDLAND	CHAMPION	TUBE O.D. X MALE GLOBAL THREAD	LIST
20842N		1/8" x 10-32" UNF	
20847N		5/32" x 10-32 UNF	
20846N		5/32" x 1/8"	
20845N		1/4" x 10-32" UNF	
20843N		1/4" x 1/8"	
20844N		1/4" x 1/4"	

68PL 87000

### FIXED MALE ELBOW



MIDLAND	CHAMPION	TUBE O.D. X MALE NPTF	LIST
20068N	269PPNI-4A	1/4" x 1/8"	
20069N	269PPNI-4B	1/4" x 1/4"	
20072N	269PPNI-6B	3/8" x 1/4"	
20073N	269PPNI-6C	3/8" x 3/8"	

W169PLNS 8100

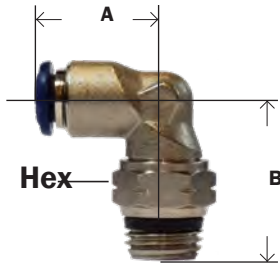
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BRASS

# NICKEL PLATED PUSH-IN FITTINGS

## BRASS FITTINGS

### SWIVEL MALE ELBOW



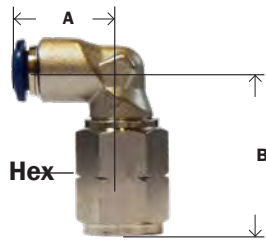
• Can be purchased with NPTF threads upon request

\* Available in stainless steel

MIDLAND	CHAMPION	TUBE O.D. X MALE GLOBAL THREAD	LIST
20079N	269PPSNI-2A	1/8" x 1/8"	
20535N	269PPSNI-2B	1/8" x 1/4"	
20076N*	269PPSNI-2.5X1032	5/32" x 10-32"	
20080N*	269PPSNI-2.5A	5/32" x 1/8"	
20848N*	269PPSNI-2.5B	5/32" x 1/4"	
20081N*	269PPSNI-4A	1/4" x 1/8"	
20082N*	269PPSNI-4B	1/4" x 1/4"	
20086N	269PPSNI-4C	1/4" x 3/8"	
20537N*	269PPSNI-5A	5/16" x 1/8"	
20538N*	269PPSNI-5B	5/16" x 1/4"	
20539N	269PPSNI-5C	5/16" x 3/8"	
20087N	269PPSNI-6A	3/8" x 1/8"	
20083N*	269PPSNI-6B	3/8" x 1/4"	
20084N*	269PPSNI-6C	3/8" x 3/8"	
20088N*	269PPSNI-6D	3/8" x 1/2"	
20184N	269PPSNI-8B	1/2" x 1/4"	
20085N*	269PPSNI-8C	1/2" x 3/8"	
20092N*	269PPSNI-8D	1/2" x 1/2"	

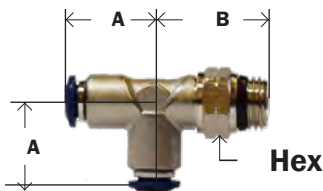
W169PL 87110

### FEMALE SWIVEL ELBOW



MIDLAND	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
20094N	270PPSNI-2.5A	5/32" x 1/8"	
20089N	270PPSNI-4A	1/4" x 1/8"	
20090N	270PPSNI-4B	1/4" x 1/4"	
20762N	270PPSNI-6A	3/8" x 1/8"	
20091N	270PPSNI-6B	3/8" x 1/4"	

### SWIVEL MALE RUN TEE



• Can be purchased with NPTF threads upon request

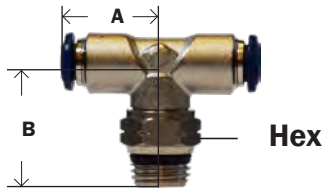
MIDLAND	CHAMPION	TUBE O.D. X MALE GLOBAL THREAD	LIST
20095N	271PPSNI-2A	1/8" x 1/8"	
20851N	271PPSNI-2B	1/8" x 1/4"	
20852N	271PPSNI-2.5A	5/32" x 1/8"	
20853N	271PPSNI-2.5B	5/32" x 1/4"	
20162N	271PPSNI-4A	1/4" x 1/8"	
20163N	271PPSNI-4B	1/4" x 1/4"	
20164N		1/4" x 3/8"	
20159N		3/8" x 1/8"	
20168N	271PPSNI-6B	3/8" x 1/4"	
20165N	271PPSNI-6C	3/8" x 3/8"	
20181N	271PPSNI-6D	3/8" x 1/2"	
20174N	271PPSNI-8B	1/2" x 1/4"	
20166N	271PPSNI-8C	1/2" x 3/8"	
20167N	271PPSNI-8D	1/2" x 1/2"	

W171PL 87222

# NICKEL PLATED PUSH-IN FITTINGS

## BRASS FITTINGS

### SWIVEL MALE BRANCH TEE



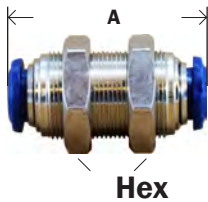
• Can be purchased with NPTF threads upon request

\* with plastic collet

MIDLAND	CHAMPION	TUBE O.D. X MALE GLOBAL THREAD	LIST
20103N	272PPSNI-2A	1/8" x 1/8"	
20104N		5/32" x 10-32"	
20109N	272PPSNI-2.5A	5/32" x 1/8"	
20850N	272PPSNI-2.5B	5/32" x 1/4"	
20105N	272PPSNI-4A	1/4" x 1/8"	
20106N	272PPSNI-4B	1/4" x 1/4"	
20156N	272PPSNI-4C	1/4" x 3/8"	
20157N		3/8" x 1/8"	
20107N	272PPSNI-6B	3/8" x 1/4"	
20108N	272PPSNI-6C	3/8" x 3/8"	
20158N	272PPSNI-6D	3/8" x 1/2"	
20112N	272PPSNI-8B	1/2" x 1/4"	
20110N	272PPSNI-8C	1/2" x 3/8"	
20111N	272PPSNI-8D	1/2" x 1/2"	

W172PL 87210

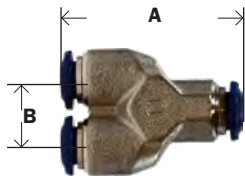
### BULKHEAD UNION



MIDLAND	CHAMPION	TUBE O.D.	LIST
20124N	283PPNI-2	1/8"	
20125N*	283PPNI-2.5	5/32"	
20127N*	283PPNI-4	1/4"	
20123N*	283PPNI-5	5/16"	
20128N*	283PPNI-6	3/8"	
20129N*	283PPNI-8	1/2"	

62PLBH 88050

### UNION "Y"



MIDLAND	CHAMPION	TUBE O.D.	LIST
20553N	289PPNI-4	1/4" x 1/4"	

662PL 88310

### REDUCER



MIDLAND	CHAMPION	TUBE O.D. 2	LIST
20510N	286PPNI-42	1/4"	
20511N	286PPNI-42.5	1/4"	
20512N	286PPNI-64	3/8"	
20513N	286PPNI-84	1/2"	
20514N	286PPNI-86	1/2"	

67PPL 88700

Also available:

- Nylon plug
- Single banjo
- Double banjo
- Push fit cartridges and tools

**NICKEL PLATED PUSH-IN FITTINGS**

BRASS FITTINGS

**CHROME PLATED BRASS MINI BALL VALVES**

- Compact Design
- Max Working Pressure 250 psi

**PUSH-IN X PUSH-IN**

PART #	SIZE	BOX/CASE	WGT.	
28400	1/8	30/300	.07	----
28401	1/4	30/300	.10	----
28402	3/8	20/200	.21	----

**PUSH-IN X MALE PIPE**

PART #	SIZE TUBE X MIP	BOX/ CASE	WGT.	
28403	5/32 x 1/8	30/300	.08	----
28407	1/4 x 1/8	30/300	.08	----
28404	1/4 x 1/4	30/300	.10	----
28405	3/8 x 3/8	20/200	.17	----

**FIP X FIP**

PART #	SIZE	BOX/CASE	WGT.	
46650	1/8	30/300	.11	----
46651	1/4	30/300	.10	----
46652	3/8	20/200	.14	----
46653	1/2	15/150	.25	----

**MIP X FIP**

PART #	SIZE	BOX/CASE	WGT.	
46660	1/8	30/300	.11	----
46661	1/4	30/300	.10	----
46662	3/8	20/200	.14	----
46663	1/2	15/150	.25	----

- Optional colors of handle plate for identification

**PANEL MOUNT DESIGN****FIP X FIP ANGLE**

PART #	SIZE	BOX/CASE	WGT.	
46670	1/8	20/200	.19	----
46671	1/4	20/200	.20	----
46672	3/8	25/250	.11	----

**3-WAY FIP - OPEN CENTER**

PART #	SIZE	BOX/CASE	WGT.	
466900	1/8	25/250	.13	----
466901	1/4	20/200	.21	----
466902	3/8	20/200	.21	----

**3-WAY FIP - CLOSED CENTER**

PART #	SIZE	BOX/CASE	WGT.	
46680	1/8	25/250	.13	----
46681	1/4	20/200	.21	----
46682	3/8	20/200	.21	----

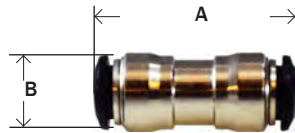
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# NICKEL PLATED METRIC PUSH-IN FITTINGS

## BRASS FITTINGS

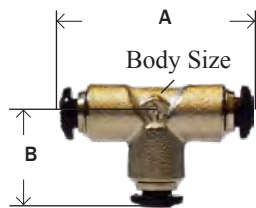
### UNION



\* Available in SS

MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20723N	262PPNI-3MM	3	
20600N*	262PPNI-4MM	4	
20724N	262PPNI-5MM	5	
20725N	262PPNI-6MMX4MM	6 x 4	
20601N*	262PPNI-6MM	6	
20726N	262PPNI-8MMX6MM	8 x 6	
20727N*	262PPNI-8MM	8	
20728N	262PPNI-10MMX8MM	10 x 8	
20603N*	262PPNI-10MM	10	
20729N	262PPNI-12MMX10MM	12 x 10	
20604N*	262PPNI-12MM	12	
20730N	262PPNI-14MM	14	

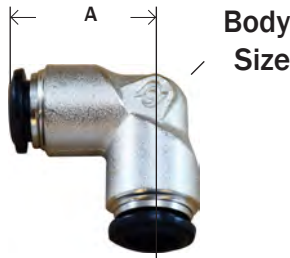
### UNION TEE



\* Available in SS

MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20741N	264PPNI-3MM	3	
20610N*	264PPNI-4MM	4	
20742N	264PPNI-5MM	5	
20611N*	264PPNI-6MM	6	
20612N*	264PPNI-8MM	8	
20613N*	264PPNI-10MM	10	
20614N*	264PPNI-12MM	12	
20743N	264PPNI-14MM	14	

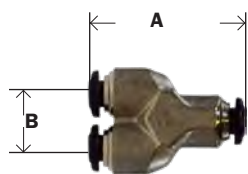
### UNION ELBOW



\* Available in SS

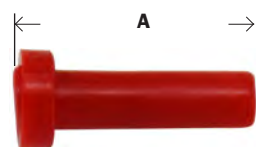
MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20738N	265PPNI-3MM	3	
20206N*	265PPNI-4MM	4	
20739N	265PPNI-5MM	5	
20660N*	265PPNI-6MM	6	
20661N*	265PPNI-8MM	8	
20807N*	265PPNI-10MM	10	
20808N*	265PPNI-12MM	12	
20740N	265PPNI-14MM	14	

### UNION Y



MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20744N		3	
20813N		4	
20745N		5	
20814N	289PPNI-6MM	6	
20815N		8	
20746N		10	

### PLUG

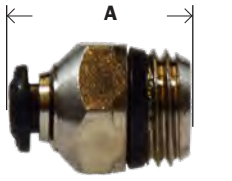


MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20748N		4	
20749N		5	
20750N		6	
20751N		8	
20752N		10	
20753N		12	

# NICKEL PLATED METRIC PUSH-IN FITTINGS

## BRASS FITTINGS

### METRIC TUBE STRAIGHT MALE



Hex

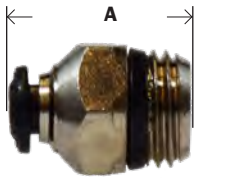


• Can be purchased with BSPP or BSPT Threads

\* Available in SS

MIDLAND	CHAMPION	TUBE O.D. (MM) X GLOBAL THREAD	LIST
20630N*	268PPNI-4MMX1/8	4 x 1/8	
20631N*	268PPNI-4MMX1/4	4 x 1/4	
20700N	268PPNI-5MMX1/8	5 x 1/8	
20701N	268PPNI-5MMX1/4	5 x 1/4	
20632N*	268PPNI-6MMX1/8	6 x 1/8	
20633N*	268PPNI-6MMX1/4	6 x 1/4	
20628N	268PPNI-6MMX3/8	6 x 3/8	
20629N	268PPNI-6MMX1/2	6 x 1/2	
20702N*	268PPNI-8MMX1/8	8 x 1/8	
20634N*	268PPNI-8MMX1/4	8 x 1/4	
20635N	268PPNI-8MMX3/8	8 x 3/8	
20703N	268PPNI-8MMX1/2	8 x 1/2	
20636N*	268PPNI-10MMX1/4	10 x 1/4	
20637N*	268PPNI-10MMX3/8	10 x 3/8	
20704N*	268PPNI-10MMX1/2	10 x 1/2	
20801N	268PPNI-12MMX1/4	12 x 1/4	
20638N*	268PPNI-12MMX3/8	12 x 3/8	
20705N*	268PPNI-12MMX1/2	12 x 1/2	
20706N	268PPNI-14MMX3/8	14 x 3/8	
20707N	268PPNI-14MMX1/2	14 x 1/2	

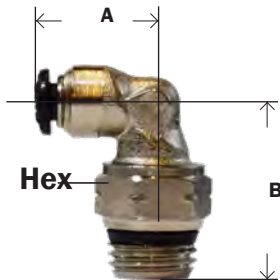
### METRIC TUBE INTERNAL HEX



Hex

MIDLAND	CHAMPION	TUBE O.D. (MM) X GLOBAL THREAD	LIST
20619N		3 x M5	
20620N		4 x 1/8	
20621N*		4 x M5	
20622N		4 x M7 x 1	
20623N		6 x 1/4	
20624N		6 x 1/8	
20625N*		6 x M5	
20626N		8 x 1/4	
20627N		8 x 1/8	

### METRIC TUBE SWIVEL MALE ELBOW



Hex



• Can be purchased with BSPP or BSPT Threads

\* Available in SS w BSPP or BSPT Threads

MIDLAND	CHAMPION	TUBE O.D. (MM) X GLOBAL THREAD	LIST
20708N*	269PPSNI-4MMX1/8	4 x 1/8	
20709N*	269PPSNI-4MMX1/4	4 x 1/4	
20710N	269PPSNI-5MMX1/8	5 x 1/8	
20642N*	269PPSNI-6MMX1/8	6 x 1/8	
20803N*	269PPSNI-6MMX1/4	6 x 1/4	
20711N*	269PPSNI-8MMX1/8	8 x 1/8	
20805N*	269PPSNI-8MMX1/4	8 x 1/4	
20655N	269PPSNI-8MMX3/8	8 x 3/8	
20712N	269PPSNI-8MMX1/2	8 x 1/2	
20656N*	269PPSNI-10MMX1/4	10 x 1/4	
20657N*	269PPSNI-10MMX3/8	10 x 3/8	
20713N*	269PPSNI-10MMX1/2	10 x 1/2	
20658N*	269PPSNI-12MMX3/8	12 x 3/8	
20659N*	269PPSNI-12MMX1/2	12 x 1/2	
20714N	269PPSNI-14MMX3/8	14 x 3/8	
20715N	269PPSNI-14MMX1/2	14 x 1/2	

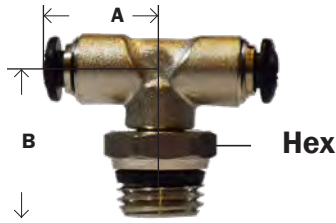
**WARNING:** This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



# NICKEL PLATED METRIC PUSH-IN FITTINGS

## BRASS FITTINGS

### METRIC TUBE SWIVEL MALE BRANCH TEE

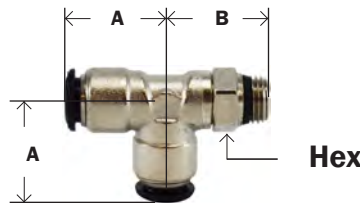


• Can be purchased with BSPP or BSPT threads

\* Available in SS w/BSPP or BSPT threads

MIDLAND	CHAMPION	TUBE O.D. (MM) X GLOBAL THREAD	LIST
20680N*	272PPSNI-4MMX1/8	4 x 1/8	
20716N*	272PPSNI-4MMX1/4	4 x 1/4	
20717N	272PPSNI-5MMX1/8	5 x 1/8	
20682N*	272PPSNI-6MMX1/8	6 x 1/8	
20683N*	272PPSNI-6MMX1/4	6 x 1/4	
20809N*	272PPSNI-8MMX1/8	8 x 1/8	
20684N*	272PPSNI-8MMX1/4	8 x 1/4	
20690N	272PPSNI-8MMX3/8	8 x 3/8	
20691N	272PPSNI-8MMX1/2	8 x 1/2	
20686N*	272PPSNI-10MMX1/4	10 x 1/4	
20687N*	272PPSNI-10MMX3/8	10 x 3/8	
20810N*	272PPSNI-10MMX1/2	10 x 1/2	
20688N*	272PPSNI-12MMX3/8	12 x 3/8	
20689N*	272PPSNI-12MMX1/2	12 x 1/2	
20718N	272PPSNI-14MMX3/8	14 x 3/8	
20719N	272PPSNI-14MMX1/2	14 x 1/2	

### METRIC TUBE SWIVEL MALE RUN TEE

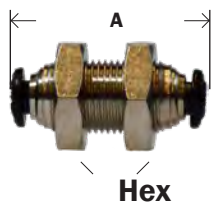


• Can be purchased with BSPP threads

\* Available in SS w/BSPP or BSPT threads

MIDLAND	CHAMPION	TUBE O.D. (MM) X GLOBAL THREAD	LIST
20670N	271PPSNI-4MMX1/8	4 x 1/8	
20720N	271PPSNI-4MMX1/4	4 x 1/4	
20721N	271PPSNI-5MMX1/8	5 x 1/8	
20672N	271PPSNI-6MMX1/8	6 x 1/8	
20673N	271PPSNI-6MMX1/4	6 x 1/4	
20811N	271PPSNI-8MMX1/8	8 x 1/8	
20674N	271PPSNI-8MMX1/4	8 x 1/4	
20668N	271PPSNI-8MMX3/8	8 x 3/8	
20669N	271PPSNI-8MMX1/2	8 x 1/2	
20676N	271PPSNI-10MMX1/4	10 x 1/4	
20677N	271PPSNI-10MMX3/8	10 x 3/8	
20722N	271PPSNI-10MMX1/2	10 x 1/2	
20678N	271PPSNI-12MMX3/8	12 x 3/8	
20679N	271PPSNI-12MMX1/2	12 x 1/2	

### BULKHEAD



MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20731N	283PPNI-3MM	3	
20732N*	283PPNI-4MM	4	
20733N	283PPNI-5MM	5	
20734N*	283PPNI-6MM	6	
20735N*	283PPNI-8MM	8	
20736N*	283PPNI-10MM	10	
20737N*	283PPNI-12MM	12	

\* Available in SS