

## Aluminum and 316 Stainless Steel Instrumentation Tubing

- Seamless construction

**Aluminum**—Features very good corrosion resistance and finishability, as well as excellent weldability. Strength approximates that of mild steel. Can be fabricated by most common techniques. Meets ASTM B210 and WW-T-700/6.

- Temp. range: -452° to 400°F
- Length: 6 ft.

**316 Stainless Steel**—Can be used with Hamlet, Swagelok, and Parker A-Lok metric fittings, with water, air, natural gas, oil, and hydraulic fluid. Sterilize with steam. Use with metric instrumentation fittings, sold on page 2858. Meets ASTM A269, except 4NTK1 to 4NTK6 meet DIN EN10216-5.

- Temp. range: -325° to 1500°F
- Length: 2m

Aluminum				316 Stainless Steel			
Outside Dia.	Wall Thickness	Max. Pressure	Item No.	Outside Dia.	Wall Thickness	Max. Pressure	Item No.
3/16"	0.049 in	4774 psi	4NTC6	6 mm	1 mm	4713 psi	4NTK1
1/4"	0.035 in	580 psi	4NRZ9	6 mm	1 mm	5100 psi	4NTJ6
3/8"	0.049 in	2431 psi	4NTD5	8 mm	1 mm	3545 psi	4NTK2
1/2"	0.065 in	2428 psi	4NTD9	8 mm	1.5 mm	5800 psi	4NTJ7
5/8"	0.065 in	440 psi	4NRY9	10 mm	1.5 mm	4621 psi	4NTK3
3/4"	0.049 in	1222 psi	4NTE4	10 mm	2 mm	6300 psi	4NTJ8
7/8"	0.049 in	1049 psi	4NTE8	12 mm	2 mm	5200 psi	4NTJ9
1"	0.125 in	2344 psi	4NTF4	12 mm	2 mm	5415 psi	4NTK4
1 1/4"	0.065 in	975 psi	4NTF7	16 mm	2 mm	4065 psi	4NTK5
1 1/2"	0.035 in	438 psi	4NTF8	20 mm	2 mm	3258 psi	4NTK6



## Dubl-Barb® Brass Barbed Fittings

- Max. working pressure: 150 psi (5/32" to 3/8"); 100 psi (1/2")
- Temp. range: -65° to 90°F (5/32" to 3/8"); -65° to 75°F (1/2")

Compact, 1-pc. push-on barbed fittings don't require any type of clamp. Use to quickly connect polyethylene tubing for use in environmental pneumatic controls and other low-pressure applications with water and air.

Tube Size	90° Elbow Item No.	Union Item No.	Union Tee* Item No.	Bulkhead Union Item No.	Bulkhead Union, Compress-Align Item No.	Union, Compress-Align Item No.	Tee* Item No.	Adapter Tee Item No.	Solder Connector Item No.	Plug Item No.
5/32 in	2GUG8	2GUG5	2GUF4	—	—	—	—	—	—	—
1/4 in	2GUG6	2GUF1	2GUF2	2GUJ6	2GUJ9	2GUJ8	2GUL2	2GUE9	2GUL6	2GUE5
3/8 in	2GUG9	2GUH2	—	2GUJ7	2GUK1	—	—	—	—	2GUE7
3/8 in x 3/8 in	—	—	2GUF6	—	—	—	—	—	—	—
1/2 in	2GUH1	2GUH4	2GUG1	—	—	—	—	—	—	2GUE8









Tube Outside Dia.	Pipe Size - Pipe Fitting	90° Female Elbow Item No.	90° Male Elbow Item No.	Female Branch Tee* Item No.	Female Connector Item No.	Male Branch Tee* Item No.	Male Connector Item No.	Male Run Tee* Item No.	Tube Outside Dia.	Reducing Plug Adapter Item No.	Union Reducer Item No.
1/8 in	—	—	—	—	—	—	2GUP2	†	1/4 in and 9/32 in	2GUE6	—
5/32 in	1/8 in	—	2GUJ1	2GUL5	2GUL8	—	2GUP9	—	1/4 in x 5/32 in	—	2GUF5
1/4 in	—	—	—	—	—	—	2GUP3	†	3/4 in x 3/8 in	—	2GUF7
1/4 in	—	—	—	—	—	—	2GUP5	†	3/4 in x 1/2 in	—	2GUG2
1/4 in	1/8 in	—	2GUH6	—	—	2GUK7	2GUP4	—	3/8 in x 1/2 in	—	2GUH3
1/4 in	1/8 in	2GUK2	2GUH7	2GUL4	2GUL7	2GUK8	2GUP6	2GUK4	—	—	—
1/4 in	1/4 in	—	2GUH8	—	—	—	2GUP7	—	—	—	—
3/8 in	1/8 in	—	2GUJ2	—	—	—	2GUR1	2GUK5	—	—	—
3/8 in	1/4 in	2GUK3	2GUJ3	—	2GUL9	2GUK9	2GUR2	2GUK6	—	—	—
1/2 in	1/4 in	—	2GUJ4	—	2GUP1	2GUL1	2GUR3	—	—	—	—
1/2 in	3/8 in	—	2GUJ5	—	—	—	2GUR4	—	—	—	—
1/2 in	1/2 in	—	—	—	—	—	2GUR5	—	—	—	—

\* Tees read run x run x outlet. † For vinyl tubing only.

## White Acetal Push-Button Tube Couplings

- Max. pressure: 120 psi
- Temp. range: -40° to 180°F

Chemical-resistant fittings let you connect and disconnect by hand. Couplers have built-in shutoff valves. Use for engine system, biohazard detection, printing and ink, and cleanroom/sterilization, as well as in food/beverage and chemical applications. Meet USDA, NSF, and RoHS compliant.

Description	Pipe Fitting Connection Type	Pipe Size - Pipe Fitting	Tube Inside Dia.	Series	Item No.	Description	Pipe Fitting Connection Type	Pipe Size - Pipe Fitting	Tube Inside Dia.	Series	Item No.	
<b>Inline Couplers</b>						<b>Panel Mount Couplers</b>						
<b>Straight-Through Straight Coupler</b>						<b>Shut-Off Panel Mount Coupler</b>						
	Barbed	1/8 in	1/8 in	PMC	2YDG9		Barbed	1/4 in	1/4 in	PLC	2YDD6	
		3/16 in	3/16 in	PMC	2YDH1			5/16 in	5/16 in	PLC	2YDD7	
		1/4 in	1/4 in	PLC	2YCZ9			3/8 in	3/8 in	PLC	2YDD8	
		1/4 in	1/4 in	PLC	2YDH2			Tube	1/4 in	1 1/4 in	PMC12	2YDK3
		3/8 in	3/8 in	PLC	2YDA2							
1/2 in	—	PLC	2YC21									
	MNPT	1/4 in	—	PLC	2YDG1		Tube	1/4 in	—	PLC	2YDC2	
		3/8 in	—	PLC	2YDC2			1/2 in	—	PLC	2YDC2	
		1/2 in	1 1/4 in	PMC	2YDG3			3/4 in	—	PLC	2YDC2	
		3/8 in	1/4 in	PLC	2YC25							
<b>Shut-Off Straight Coupler</b>						<b>Shut-Off Inline Insert</b>						
	Barbed	1/8 in	1/8 in	PMC12	2YDL1		Barbed	1/8 in	1/8 in	PMC12	2YDL8	
		3/16 in	3/16 in	PMC12	2YDL2			3/16 in	3/16 in	PMC12	2YDL9	
		1/4 in	1/4 in	PLC	2YDD9			1/4 in	1/4 in	PLC	2YDE6	
		1/4 in	1/4 in	PMC12	2YDL3			1/4 in	1/4 in	PMC12	2YDN1	
		3/16 in	3/16 in	PLC	2YDE1			3/8 in	3/8 in	PLC	2YDE8	
	MNPT	3/8 in	3/8 in	PLC	2YDE2		Tube	1/8 in	—	PMC12	2YDN4	
		1/2 in	—	PMC12	2YDK1			1/4 in	—	PLC	2YDF2	
		1/4 in	—	PLC	2YDC9			1/4 in	—	PMC12	2YDN5	
		1/4 in	—	PLC	2YDK2			3/8 in	—	PLC	2YDF3	
		3/8 in	—	PLC	2YDD1			1/4 in	1 1/4 in	PLC	2YDE3	
								1/4 in	1 1/4 in	PMC12	2YDL4	
								1/4 in	1/4 in	PLC	2YDE4	