

### CPI vs. A-Lok

CPI: Single-ferrule design creates a dynamic seal on tube and body, with close tolerance of nut and body dimensions for accurate tube alignment. A-Lok: Have a double-ferrule design that allows the front ferrule to create a pressure seal on tube and body.

## 316 Stainless Steel Instrumentation Tube Fittings



■ Temp. range: -425° to 1200°F

Provide leaktight seals in gas or liquid service. Have a 4:1 safety factor with respect to working pressure capabilities of the tubing used. Compression design allows for easy assembly. Use with 304, 316, or 316L stainless steel tubing. For use in refineries, chemical processing, power generation, and instrument lines.

Pipe Size (in.)	Pipe Pressure Ratings Stainless Steel			
	Male		Female	
	Straight	Shape	Straight	Shape
1/8	9100	9100	6400	5500
1/4	7500	7500	6600	5600
3/8	7200	7200	5300	5000
1/2	6600	5800	5200	4500
3/4	6400	6400	4300	3500
1	4600	4600	4500	3900

Tube Size	Pipe Size - Size	A-LOK Male Connector Item No.	CPI Male Connector Item No.	A-LOK Male Elbow, 90° Item No.	CPI Male Elbow, 90° Item No.	A-LOK Female Connector Item No.	CPI Female Connector Item No.	CPI Thermocouple Connector Item No.
<b>Tube x Thread</b>								
1/8 in	1/8 in	—	—	5UNC4	5UNF0	—	—	4CXK9
	1/4 in	—	—	—	—	—	—	4CXD1
1/4 in	1/8 in	1PZC8	1PZH4	1PZD9	1PZJ4	—	—	—
	1/4 in	1PZC9	1PZH5	1PZE1	1PZJ5	1PZE5	1PZJ9	4CXD2
	3/8 in	1PZD1	1PZH6	—	—	—	—	4CXD3
	1/2 in	1PZD2	1PZH7	—	—	—	—	4CXD4
3/8 in	1/8 in	—	—	2KKX8	5UNF1	—	—	—
	1/4 in	1PZD3	1PZH8	1PZE2	1PZJ6	1PZE6	1PZK1	4CXD5
	3/8 in	1PZD4	1PZH9	1PZE3	1PZJ7	—	—	4CXD6
	1/2 in	1PZD5	1PZJ1	2KKX9	—	—	—	4CXD7
1/2 in	1/4 in	1PZD6	1PZJ2	2KKY1	4CWU7	—	4CWU8	—
	3/8 in	1PZD7	1RAC4	2KKY2	—	—	—	—
	1/2 in	1PZD8	1PZJ3	1PZE4	1PZJ8	1PZE7	1PZK2	4CXD8
	3/4 in	2KKX5	—	—	—	—	—	4CXD9
3/8 in	1/2 in	2KKX1	4CWY4	—	—	4EUK7	—	—
	1/2 in	2KKX3	—	—	—	—	—	—
3/4 in	1/2 in	2KKX2	4CWZ7	2KKX6	4CWZ5	4CXP9	4CWZ8	—
	1 in	2KKX4	4CXC2	2KKX7	4CXA9	4CXR7	—	—

Tube Size	Pipe Size - Size	A-LOK Tube End Male Adapter Item No.	CPI Tube End Male Adapter Item No.	A-LOK Tube End Female Adapter Item No.	CPI Tube End Female Adapter Item No.	A-LOK Female Branch Tee Item No.	CPI Female Branch Tee Item No.	A-LOK Male Branch Tee Item No.	CPI Male Branch Tee Item No.
<b>Tube x Thread (Cont.)</b>									
1/8 in	1/8 in	5UND3	5UNF9	—	—	5UNA6	—	5UNC1	5UNE7
	1/4 in	5UND4	5UNG0	5UND1	—	—	—	5UNC2	—
1/4 in	1/8 in	5UND5	5UNG1	5UND2	5UNF8	—	—	5UNC3	5UNE9
	1/4 in	4CXL4	4CWT3	4CXL5	4CWT4	4CXT8	4CWT6	5XP2	5XN23
3/8 in	1/4 in	—	—	—	—	—	4CWT7	—	5XN24
	3/8 in	—	—	—	—	—	—	—	2KKW9
1/2 in	3/8 in	4CXL7	4CWU3	4CXL8	4CWU4	4CXT9	—	5XP4	5XN25
	1/2 in	4CXN1	—	4CXN2	—	—	2KKW8	5XP5	5XN27
	3/4 in	—	—	—	—	4CXU1	—	5XP6	—
3/8 in	1/2 in	—	—	—	—	—	4CWX7	—	—
	3/4 in	4CXT6	—	4CXT7	—	4CXU2	—	5XP8	—
3/4 in	1/2 in	—	—	—	—	4CXU3	—	—	—

Tube Size	Pipe Size - Size	A-LOK Female Elbow, 90° Item No.	CPI Female Elbow, 90° Item No.	A-LOK Male Run Tee Item No.	CPI Male Run Tee Item No.	A-LOK 90° Union Elbow Item No.	CPI 90° Union Elbow Item No.	A-LOK Union Item No.
<b>Tube x Thread (Cont.)</b>								
1/8 in	1/8 in	—	—	5UNC6	5UNF2	5UND8	5UNG4	5UND7
	1/4 in	5UNA8	—	—	—	1PZF5	1PZK9	1PZK8
1/4 in	1/8 in	5UNA9	—	5UNC7	5UNF3	1PZF6	1PZL1	1PZK9
	1/4 in	—	—	—	5XPA1	1PZF7	1PZL2	1PZK1
	3/8 in	5XPE5	5XPA7	—	—	—	—	4CXP2
	1/2 in	5XPE6	5XPC0	5XPE1	5XPA2	2KKZ5	4CWV3	2KKZ3
3/8 in	1/4 in	5XPE9	5XPC1	5XPE2	5XPA3	2KKZ6	4CWZ6	2KKZ4
	3/8 in	5XPF0	5XPC2	—	—	—	—	—
1/2 in	1/2 in	5XPF1	5XPC3	—	—	2KKZ7	—	—
	3/8 in	5XPF2	—	—	—	—	—	—
	1/2 in	5XPF3	5XPC5	5XPE3	5XPA4	—	—	—
3/8 in	1/2 in	5XPF4	—	—	—	—	—	—
	1/2 in	5XPF6	—	—	—	—	—	—
3/4 in	1/2 in	5XPF7	—	—	—	—	—	—

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