














## Brass Compression Tube Fittings for Instrumentation Lines


















■ Max. operating temp.: 400°F

Fittings are made to tighter tolerances for high-precision applications. Sleeves grip tubing as the nut tightens compressing the sleeve for a tight seal. Fittings connect without tools. Brass, an alloy of copper and zinc, is strong and resists corrosion from water, heat, acids, minerals, and peaty soils.

**Single Ferrule Fittings, Series CPI™**—Include a ferrule (a metal ring or cap) that helps seal metal-to-metal connections and grip tubing. They have fewer leak paths and are resilient to vibrations and pulsations.

**Double Ferrule Fittings, Series A-LOK®**—Include a front sealing ferrule (metal ring) and a back locking ferrule. A fitting nut is screwed on tubing to tighten and hold fitting and tubing in place. They work with higher pressures than single ferrule fittings and have a stronger grip.

Connection Type Compression x ...	For Tube OD	Pipe Size	Threading Size	Overall Length	Max. Operating Pressure	Series	Item No.
<b>Single Ferrule Brass Instrumentation Compression Fittings</b>							
<b>90° Elbow</b>							
	1/4 in x 1/4 in	—	1/16-20 x 1/16-20	1 1/16 in	—	CPI™	1PZ25
	3/8 in x 3/8 in	—	9/16-20 x 9/16-20	1 3/16 in	—	CPI™	1PZ26
	1/2 in x 1/2 in	—	3/4-20 x 3/4-20	1 7/16 in	—	CPI™	1PZ27
	5/8 in x 5/8 in	—	7/8-20 x 7/8-20	1 1/2 in	—	CPI™	1PZ28
	1/4 in x 1/4 in	1/4 in	1/16-20	1 1/16 in	5,000 psi	CPI™	1PZX3
	3/8 in x 3/8 in	3/8 in	9/16-20	1 3/16 in	—	CPI™	1PZX6
	1/2 in x 1/2 in	1/2 in	3/4-20	1 7/16 in	—	CPI™	4CXX4
	5/8 in x 5/8 in	5/8 in	7/8-20	1 1/2 in	3,100 psi	CPI™	1PZX9
	1/4 in	—	—	—	—	CPI™	1RAA5
	3/8 in	—	—	—	—	CPI™	1RAA7
	1/2 in	—	—	—	—	CPI™	4CXX9
	5/8 in	—	—	—	—	CPI™	4CXX3
<b>Single Ferrule Nut</b>							
	1/4 in	—	1/16	1/2 in	—	CPI™	1WVJ3
	3/8 in	—	9/16-20	9/16 in	—	CPI™	1WVJ4
	1/2 in	—	3/4	1 1/16 in	—	CPI™	1WVJ5
	5/8 in	—	7/8	1 1/16 in	—	CPI™	1WVJ6
<b>Straight Adapter</b>							
	1/4 in	1/4 in	1/16-20	1 13/32 in	—	CPI™	1PZY1
	3/8 in	3/8 in	9/16-20	1 19/32 in	—	CPI™	1PZY2
	1/2 in	1/2 in	3/4-20	1 27/32 in	—	CPI™	1PZY3
	5/8 in	5/8 in	1-20	1 31/32 in	—	CPI™	4CXH4
	1/4 in	1/8 in	1/16-20	1 1/2 in	5,600 psi	CPI™	1PZV9
	1/2 in	1/4 in	1/16-20	1 1/2 in	4,100 psi	CPI™	1PZW1
	3/8 in	1/4 in	9/16-20	1 1/8 in	4,100 psi	CPI™	1PZW4
	5/8 in	3/8 in	9/16-20	1 1/8 in	4,000 psi	CPI™	1PZW5
	3/8 in	1/2 in	9/16-20	1 1/8 in	—	CPI™	1PZW6
	1/2 in	1/4 in	3/4-20	1 23/32 in	—	CPI™	1PZW7
	1/2 in	3/8 in	3/4-20	1 23/32 in	—	CPI™	1PZW8
	1/2 in	1/2 in	3/4-20	1 19/16 in	3,800 psi	CPI™	1PZW9
	5/8 in	1/2 in	7/8-20	1 19/16 in	—	CPI™	1PZX2
	3/4 in	3/4 in	1-20	2 in	—	CPI™	4CXH3
<b>Straight Bulkhead Union</b>							
	1/4 in x 1/4 in	—	1/16-20 x 1/16-20	2 3/32 in	—	CPI™	1PZZ1
	3/8 in x 3/8 in	—	9/16-20 x 9/16-20	2 19/32 in	—	CPI™	1PZZ2
	1/2 in x 1/2 in	—	3/4-20 x 3/4-20	2 1/2 in	—	CPI™	1PZZ4
<b>Straight Connector</b>							
	1/4 in x 1/4 in	—	1/16-20 x 1/16-20	1 1/8 in	3,500 psi	CPI™	1PZY6
	3/8 in x 3/8 in	—	9/16-20 x 9/16-20	1 23/32 in	2,300 psi	CPI™	1PZY7
	1/2 in x 1/2 in	—	3/4-20 x 3/4-20	2 1/2 in	2,200 psi	CPI™	1PZY8
	5/8 in x 5/8 in	—	7/8-20 x 7/8-20	2 1/8 in	—	CPI™	1PZY9
	3/4 in x 3/4 in	—	1-20 x 1-20	2 1/8 in	—	CPI™	4CXH5
	1/4 in x 1/8 in	—	1/16-20 x 1/16-20	1 1/32 in	—	CPI™	4CXE1
	3/8 in x 1/4 in	—	9/16-20 x 1/16-20	1 23/32 in	—	CPI™	4CXE7
	1/2 in x 1/4 in	—	3/4-20 x 1/16-20	1 27/32 in	—	CPI™	4CXF6
	1/2 in x 3/8 in	—	3/4-20 x 9/16-20	1 23/32 in	—	CPI™	4CXF7
	1/4 in x 1/4 in	—	1/16	2 1/8 in	—	—	1PZZ9
	3/8 in x 3/8 in	—	9/16-20	2 19/32 in	—	—	1RAA1
	1/2 in x 1/2 in	—	3/4	2 27/32 in	—	—	1RAA2
	5/8 in x 5/8 in	—	7/8	3 1/16 in	—	—	1RAA3
	3/4 in x 3/4 in	—	—	3 3/32 in	—	—	4CXH6

Connection Type Compression x ...	For Tube OD	Pipe Size	Threading Size	Overall Length	Max. Operating Pressure	Series	Item No.
<b>Double Ferrule Brass Instrumentation Compression Fittings</b>							
<b>90° Elbow</b>							
	1/4 in x 1/4 in	—	1/16-20 x 1/16-20	1 1/16 in	—	—	1PZU2
	3/8 in x 3/8 in	—	9/16-20 x 9/16-20	1 3/16 in	—	—	1PZU3
	1/2 in x 1/2 in	—	3/4-20 x 3/4-20	1 7/16 in	—	—	1PZU4
	5/8 in x 5/8 in	—	7/8-20 x 7/8-20	1 1/2 in	—	—	1PZU5
	3/4 in x 3/4 in	—	1-20 x 1-20	1 9/16 in	—	—	4EUG4
	1/4 in	1/4 in	1/16-20	1 1/16 in	5,000 psi	—	1PZP9
	3/8 in	3/8 in	9/16-20	1 3/16 in	4,100 psi	—	1PZR1
	1/2 in	1/2 in	3/4-20	1 7/16 in	6,600 psi	—	1PZR2
	5/8 in	5/8 in	7/8-20	1 1/2 in	6,600 psi	—	1PZR3
	3/4 in	3/4 in	1-20	1 1/2 in	6,100 psi	—	1PZR4
	1/2 in	1/2 in	3/4-20	1 1/2 in	6,700 psi	—	1PZR6
	3/4 in	3/4 in	1-20	1 9/16 in	5,800 psi	—	4EUG3
<b>Back Ferrule</b>							
	1/4 in	—	—	—	—	A-LOK®	1PZV5
	3/8 in	—	—	—	—	A-LOK®	1PZV6
	1/2 in	—	—	—	—	A-LOK®	1PZV7
	5/8 in	—	—	—	—	A-LOK®	1PZV8
	3/4 in	—	—	—	—	A-LOK®	4EUF3
	1 in	—	—	—	—	A-LOK®	4EUF1
	1/4 in	—	1/16-20	—	3,500 psi	A-LOK®	4CXX9
	3/8 in	—	9/16-20	—	2,300 psi	A-LOK®	4CXY9
	1/2 in	—	3/4-20	—	2,200 psi	A-LOK®	4EUD7
<b>Double Ferrule Nut</b>							
	1/4 in	—	1/16-20	1/2 in	—	A-LOK®	1WVH8
	3/8 in	—	9/16-20	9/16 in	—	A-LOK®	1WVH9
	1/2 in	—	3/4	1 1/16 in	—	A-LOK®	1WVJ1
	5/8 in	—	7/8	1 1/16 in	—	A-LOK®	1WVJ2
<b>Front Ferrule</b>							
	1/4 in	—	—	—	—	A-LOK®	1PZV1
	3/8 in	—	—	—	—	A-LOK®	1PZV2
	1/2 in	—	—	—	—	A-LOK®	1PZV3
	5/8 in	—	—	—	—	A-LOK®	1PZV4
	3/4 in	—	—	—	—	A-LOK®	4EUF4
	1 in	—	—	—	—	A-LOK®	4EUF2
	1/4 in	—	1/16-20	—	3,500 psi	A-LOK®	4CXX5
	3/8 in	—	9/16-20	—	6,600 psi	A-LOK®	4CXY7
	1/2 in	—	3/4-20	—	2,200 psi	A-LOK®	4EUD6
<b>Straight Adapter</b>							
	1/4 in	1/4 in	1/16-20	1 13/32 in	—	—	4CXX1
	3/8 in	3/8 in	9/16-20	1 19/32 in	6,600 psi	—	1PZR8
	1/2 in	1/2 in	3/4-20	1 27/32 in	6,700 psi	—	1PZR9
	5/8 in	5/8 in	7/8-20	1 31/32 in	6,100 psi	—	1PZT2
	3/4 in	3/4 in	1-20	1 31/32 in	5,800 psi	—	4EUF9
	1/4 in	1/8 in	1/16-20	1 1/2 in	5,600 psi	—	1PZN6
	1/2 in	1/4 in	1/16-20	1 1/2 in	4,100 psi	—	1PZN7
	3/8 in	1/4 in	9/16-20	1 1/8 in	4,000 psi	—	1PZN8
	5/8 in	3/8 in	9/16-20	1 1/8 in	4,100 psi	—	1PZP1
	3/8 in	1/2 in	9/16-20	1 1/8 in	4,000 psi	—	1PZP2
	1/2 in	1/4 in	3/4-20	1 23/32 in	3,900 psi	—	1PZF3
	1/2 in	3/8 in	3/4-20	1 23/32 in	4,100 psi	—	1PZP4
	1/2 in	1/2 in	3/4-20	1 19/16 in	3,900 psi	—	1PZP6
	5/8 in	1/2 in	7/8-20	1 19/16 in	—	—	1PZP7
	3/4 in	3/4 in	1-20	2 in	—	—	1PZP8
	3/4 in	3/4 in	1-20	2 in	—	—	4EUG2
<b>Straight Bulkhead Union</b>							
	1/4 in x 1/4 in	—	1/16-20 x 1/16-20	2 3/32 in	10,300 psi	—	1PZT7
	3/8 in x 3/8 in	—	9/16-20 x 9/16-20	2 19/32 in	6,600 psi	—	1PZT8
	1/2 in x 1/2 in	—	3/4-20 x 3/4-20	2 1/2 in	6,100 psi	—	1PZU1
<b>Straight Connector</b>							
	1/4 in x 1/4 in	—	1/16-20 x 1/16-20	1 1/8 in	—	—	1PZT3
	3/8 in x 3/8 in	—	9/16-20 x 9/16-20	1 23/32 in	2,300 psi	—	1PZT4
	1/2 in x 1/2 in	—	3/4-20 x 3/4-20	2 1/2 in	2,200 psi	—	1PZT5
	5/8 in x 5/8 in	—	7/8-20 x 7/8-20	2 1/8 in	—	—	1PZT6
	3/4 in x 3/4 in	—	1-20 x 1-20	2 1/8 in	—	—	4EUF8
	1/4 in x 1/8 in	—	1/16-20 x 1/16-20	1 1/32 in	—	—	4CXY2
	3/8 in x 1/4 in	—	9/16-20 x 1/16-20	1 23/32 in	—	—	4CXZ2
	1/2 in x 1/4 in	—	3/4-20 x 1/16-20	1 27/32 in	—	—	4CXZ3
<b>Tee</b>							
	1/4 in x 1/4 in	—	1/16	2 1/8 in	10,900 psi	—	1PZU6
	3/8 in x 3/8 in	—	9/16-20	2 19/32 in	6,600 psi	—	1PZU7
	1/2 in x 1/2 in	—	3/4	2 27/32 in	6,700 psi	—	1PZU8
	5/8 in x 5/8 in	—	7/8	3 1/16 in	6,100 psi	—	1PZU9
	3/4 in x 3/4 in	—	—	3 3/32 in	5,800 psi	—	4EUG7