

BRASS COMPRESSION FITTINGS

Use: For use with potable water, instrumentation, hydraulic, and pneumatic systems. Designed for use with aluminum, copper, and plastic tubing. Not intended for use with steel tubing.

* Plastic tubing requires a plastic insert and sleeve (see 60PT & 63PT).

Design Features:

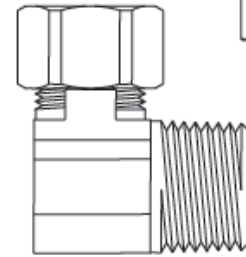
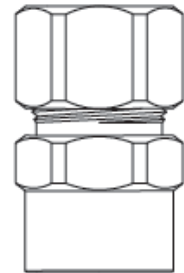
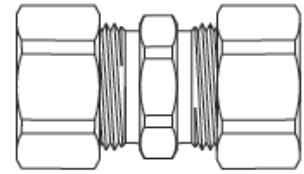
- **Little to no tube preparation.** Compression fittings do not require flaring, soldering, or other types of tube preparation
- **Available in a broad range of sizes**
- **100% Compliant product available**



Operating Specifications:

Temperature: -65° - 250° F at maximum operating pressures
Working Pressure: See chart below
Vibration: Fair vibration resistance

WORKING PRESSURE		
PSI	Tube O.D.	Tube Wall (Inches)
400	1/8	0.030
400	3/16	0.030
300	1/4	0.030
300	5/16	0.032
200	3/8	0.032
200	1/2	0.032
150	5/8	0.035
100	3/4	0.035
75	7/8	0.035



Standard Fitting

MATERIAL SPECIFICATIONS	
Fitting Body	Brass
Compression Sleeve	Brass
Compression Nut	Brass
Option	Chrome plating

Compliant Fitting

MATERIAL SPECIFICATIONS	
Fitting Body	Compliant brass
Compression Sleeve	Brass
Compression Nut	Brass

Listings & Certifications:

- Compliant product CSA listed to Low Lead Content Certification Program – Plumbing Products Class 6853-01



Product List (INCHES SIZE)

Bulkhead Union	16	Hose Insert	27	Sleeve	60	Nut	61
							
Captive Nut	61CA	Cap	61CP	Union	62	Reducing Union	63
							
Union Tee	64	Reducing Tee	64R	Union Elbow	65	Female Connector	66
							
Male Branch Tee	67	Male Run Tee	67ST	Male Connector	68	Male Elbow	69
							
Female Elbow	70	Blanking End	71BE				
							

Part Name	Part No.	Specifications
Bulkhead Union 	16	1/4" OD
		5/16" OD
		3/8" OD
		1/2" OD
Hose Insert		
	27	1/8" OD
		3/16" OD
		1/4" OD
		5/16" OD
		3/8" OD
		1/2" OD
		5/8" OD
Sleeve		
	60	1/8" OD
		3/16" OD
		1/4" OD
		5/16" OD
		3/8" OD
		1/2" OD
		5/8" OD
		3/4" OD
		1" OD
Nut		
	61	1/8" OD
		3/16" OD
		1/4" OD
		5/16" OD
		3/8" OD
		1/2" OD
		5/8" OD
		3/4" OD
		1" OD

Part Name	Part No.	Specifications
Captive Nut	61CA	1/4" OD
		5/16" OD
		3/8" OD
		1/2" OD
Cap	61CP	1/4" OD
		3/8" OD
		1/2" OD
		5/8" OD
Union	62	1/8" OD
		3/16" OD
		1/4" OD
		5/16" OD
		3/8" OD
		1/2" OD
		5/8" OD
		3/4" OD
		7/8" OD
		1" OD
Reducing Union	63	1/4" OD x 1/8" OD
		1/4" OD x 3/16" OD
		5/16" OD x 1/4" OD
		3/8" OD x 1/4" OD
		3/8" OD x 5/16" OD
		1/2" OD x 1/4" OD
		1/2" OD x 5/16" OD
		1/2" OD x 3/8" OD
		5/8" OD x 3/8" OD
		5/8" OD x 1/2" OD


Part Name	Part No.	Specifications
Union Tee 	64	1/8" OD
		3/16" OD
		1/4" OD
		5/16" OD
		3/8" OD
		1/2" OD
		5/8" OD
		3/4" OD
		1" OD
		Separator
Reducing Tee 	64R	Run x Run x Branch
		1/4" OD x 1/4" OD x 1/8" OD
		1/4" OD x 3/8" OD x 1/4" OD
		3/8" OD x 3/8" OD x 1/4" OD
		1/2" OD x 1/4" OD x 1/2" OD
		1/2" OD x 1/2" OD x 1/4" OD
		1/2" OD x 1/2" OD x 3/8" OD
Separator		
Union Elbow 	65	1/8" OD
		3/16" OD
		1/4" OD
		5/16" OD
		3/8" OD
		1/2" OD
		5/8" OD
		3/4" OD
		1" OD
		1 1/8" OD
		1 1/2" OD

Part Name	Part No.	Specifications
Female Connector 	66	1/8" OD x 1/8" Thd
		3/16" OD x 1/8" Thd
		1/4" OD x 1/8" Thd
		1/4" OD x 1/4" Thd
		1/4" OD x 3/8" Thd
		1/4" OD x 1/2" Thd
		5/16" OD x 1/8" Thd
		5/16" OD x 1/4" Thd
		5/16" OD x 3/8" Thd
		3/8" OD x 1/8" Thd
		3/8" OD x 1/4" Thd
		3/8" OD x 3/8" Thd
		1/2" OD x 1/4" Thd
		1/2" OD x 3/8" Thd
		1/2" OD x 1/2" Thd
		5/8" OD x 1/2" Thd
		3/4" OD x 3/4" Thd
*Female Thd is available in BSPT or NPT	3/4" OD x 7/8" Thd	
<hr/>		
Male Branch Tee 	67	1/4" OD x 1/8" Thd
		1/4" OD x 1/4" Thd
		3/8" OD x 1/8" Thd
		3/8" OD x 1/4" Thd
		3/8" OD x 3/8" Thd
		1/2" OD x 3/8" Thd
		*Male Thd is available in BSPT or NPT

Part Name	Part No.	Specifications
Male Run Tee	67ST	1/4" OD x 1/8" Thd
		1/4" OD x 1/4" Thd
		3/8" OD x 1/8" Thd
		3/8" OD x 1/4" Thd
		3/8" OD x 3/8" Thd
		1/2" OD x 3/8" Thd
		1/2" OD x 1/2" Thd
*Male Thd is available in BSPT or NPT		
Male Connector	68	1/8" OD x 1/8" Thd
		3/16" OD x 1/8" Thd
		3/16" OD x 1/4" Thd
		1/4" OD x 1/8" Thd
		1/4" OD x 1/4" Thd
		1/4" OD x 3/8" Thd
		1/4" OD x 1/2" Thd
		5/16" OD x 1/8" Thd
		5/16" OD x 1/4" Thd
		5/16" OD x 3/8" Thd
		5/16" OD x 1/2" Thd
		3/8" OD x 1/8" Thd
		3/8" OD x 1/4" Thd
		3/8" OD x 3/8" Thd
		3/8" OD x 1/2" Thd
		3/8" OD x 3/4" Thd
		1/2" OD x 1/4" Thd
		1/2" OD x 3/8" Thd
		1/2" OD x 1/2" Thd
		1/2" OD x 3/4" Thd
		5/8" OD x 1/2" Thd
	5/8" OD x 3/4" Thd	
	3/4" OD x 1/2" Thd	
	3/4" OD x 3/4" Thd	
	1" OD x 3/4" Thd	
*Male Thd is available in BSPT or NPT		1" OD x 1" Thd

Part Name	Part No.	Specifications		
Male Elbow	69	1/8" OD x 1/8" Thd		
		3/16" OD x 1/8" Thd		
		1/4" OD x 1/8" Thd		
		1/4" OD x 1/4" Thd		
		1/4" OD x 3/8" Thd		
		1/4" OD x 1/2" Thd		
		5/16" OD x 1/8" Thd		
		5/16" OD x 1/4" Thd		
		5/16" OD x 3/8" Thd		
		5/16" OD x 1/2" Thd		
		3/8" OD x 1/8" Thd		
		3/8" OD x 1/4" Thd		
		3/8" OD x 3/8" Thd		
		1/2" OD x 1/4" Thd		
		1/2" OD x 3/8" Thd		
		1/2" OD x 1/2" Thd		
		5/8" OD x 1/2" Thd		
		3/4" OD x 1/2" Thd		
		3/4" OD x 3/4" Thd		
		3/4" OD x 1" Thd		
		7/8" OD x 3/4" Thd		
1" OD x 3/4" Thd				
*Male Thd is available in BSPT or NPT		1" OD x 1" Thd		
Female Elbow	70	1/4" OD x 1/8" Thd		
		1/4" OD x 1/4" Thd		
		5/16" OD x 1/8" Thd		
		5/16" OD x 1/4" Thd		
		5/16" OD x 3/8" Thd		
		3/8" OD x 1/8" Thd		
		3/8" OD x 1/4" Thd		
		3/8" OD x 3/8" Thd		
		3/8" OD x 1/2" Thd		
		1/2" OD x 3/8" Thd		
		*Female Thd is available in BSPT or NPT		1/2" OD x 1/2" Thd




Part Name	Part No.	Specifications
Blanking End	71BE	1/4'' OD
		5/16'' OD
		3/8'' OD
		1/2'' OD

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Product List (METRIC SIZE)

Male Sleeve Nut	112	Reduction Assembly	113	Bulkhead Union	116	Hose Insert	127
							
Sleeve	160	Cutting Ring	B160	Nut	161	Union	162
							
Reducing Union	163	Union Tee	164	Reducing Tee	164R	Union Elbow	165
							
Female Connector	166	Male Branch Tee	167	Female Branch Tee	167F	Male Run Tee	167ST
							
Male Connector	168	Male Elbow	169	Blanking End	171BE	Blanking Plug	171BP
							

Part Name	Part No.	Specifications
	112	M8 x 1
		M10 x 1
		M12 x 1
		M16 x 1.5
		M18 x 1.5
Reduction Assembly	113	8 x 12
		
	116	4 mm
		6 mm
		8 mm
		10 mm
		12 mm
		14 mm
		15 mm
		16 mm
	127	4 x 2 mm
		4 x 2.25 mm
		5 x 3 mm
		6 x 4 mm
		8 x 5.5 mm
		8 x 6 mm
		10 x 7 mm
		10 x 8 mm
		12 x 8 mm
		12 x 9 mm
		12 x 10 mm
		16 x 13 mm



Part Name	Part No.	Specifications
Sleeve 	160	4 mm
		5 mm
		6 mm
		8 mm
		10 mm
		12 mm
		14 mm
		15 mm
		16 mm
		20 mm
		25 mm
		Separator
Cutting Ring 	B160	6 mm
		8 mm
		10 mm
		12 mm
Separator		
Nut 	161	4 mm
		5 mm
		6 mm
		8 mm
		10 mm
		12 mm
		14 mm
		15 mm
		16 mm
		20 mm
		25 mm

Part Name	Part No.	Specifications		
Union 	162	4 mm		
		5 mm		
		6 mm		
		8 mm		
		10 mm		
		12 mm		
		14 mm		
		15 mm		
		16 mm		
		20 mm		
		25 mm		
		Reducing Union 	163	6 mm x 4 mm
				8 mm x 6 mm
10 mm x 6 mm				
10 mm x 8 mm				
12 mm x 6 mm				
12 mm x 8 mm				
12 mm x 10 mm				
Union Tee 	164			4 mm
		6 mm		
		8 mm		
		10 mm		
		12 mm		
		14 mm		
		15 mm		
		16 mm		
		20 mm		
		25 mm		

Part Name	Part No.	Specifications
	164R	Run x Run x Branch
		6 mm x 6 mm x 4 mm
		8 mm x 8 mm x 6 mm
		10 mm x 10 mm x 6 mm
		10 mm x 10 mm x 8 mm
		12 mm x 12 mm x 6 mm
		12 mm x 12 mm x 8 mm
		12 mm x 12 mm x 10 mm
Union Elbow		
	165	4 mm
		6 mm
		8 mm
		10 mm
		12 mm
		14 mm
		15 mm
		16 mm
		20 mm
		25 mm

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Part Name	Part No.	Specifications	
Female Connector	166	4 mm x 1/8'' Thd	
		4 mm x 1/4'' Thd	
		6 mm x 1/8'' Thd	
		6 mm x 1/4'' Thd	
		6 mm x 3/8'' Thd	
		6 mm x 1/2'' Thd	
		8 mm x 1/8'' Thd	
		8 mm x 1/4'' Thd	
		8 mm x 3/8'' Thd	
		8 mm x 1/2'' Thd	
		10 mm x 1/4'' Thd	
		10 mm x 3/8'' Thd	
		10 mm x 1/2'' Thd	
		12 mm x 1/4'' Thd	
		12 mm x 3/8'' Thd	
		12 mm x 1/2'' Thd	
		14 mm x 3/8'' Thd	
		14 mm x 1/2'' Thd	
		15 mm x 3/8'' Thd	
		15 mm x 1/2'' Thd	
		16 mm x 3/8'' Thd	
	16 mm x 1/2'' Thd		
*Female Thd is available in BSPT or NPT		16 mm x 1/2'' Thd	
Male Branch Tee	167	4 mm x 1/8'' Thd	
		6 mm x 1/8'' Thd	
		6 mm x 1/4'' Thd	
		8 mm x 1/8'' Thd	
		8 mm x 1/4'' Thd	
		8 mm x 3/8'' Thd	
		10 mm x 1/4'' Thd	
		10 mm x 3/8'' Thd	
		12 mm x 1/4'' Thd	
	*Male Thd is available in BSPT or NPT		12 mm x 3/8'' Thd

Part Name	Part No.	Specifications
Female Branch Tee	167F	16 mm x 3/8'' Thd
		*Female Thd is available in BSPT or NPT
Male Run Tee	167ST	6 mm x 1/8'' Thd
		6 mm x 1/4'' Thd
		8 mm x 1/8'' Thd
		8 mm x 1/4'' Thd
		10 mm x 1/4'' Thd
		10 mm x 3/8'' Thd
		12 mm x 1/4'' Thd
		*Male Thd is available in BSPT or NPT

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Part Name	Part No.	Specifications
Male Connector	168	4 mm x 1/8'' Thd
		4 mm x 1/4'' Thd
		5 mm x 1/8'' Thd
		6 mm x 1/8'' Thd
		6 mm x 1/4'' Thd
		6 mm x 3/8'' Thd
		6 mm x 1/2'' Thd
		8 mm x 1/8'' Thd
		8 mm x 1/4'' Thd
		8 mm x 3/8'' Thd
		8 mm x 1/2'' Thd
		10 mm x 1/8'' Thd
		10 mm x 1/4'' Thd
		10 mm x 3/8'' Thd
		10 mm x 1/2'' Thd
		12 mm x 1/4'' Thd
		12 mm x 3/8'' Thd
		12 mm x 1/2'' Thd
		14 mm x 1/4'' Thd
		14 mm x 3/8'' Thd
		14 mm x 1/2'' Thd
		15 mm x 1/4'' Thd
		15 mm x 3/8'' Thd
		15 mm x 1/2'' Thd
		16 mm x 3/8'' Thd
		16 mm x 1/2'' Thd
		16 mm x 3/4'' Thd
		20 mm x 1/2'' Thd
		20 mm x 3/4'' Thd
	25 mm x 3/4'' Thd	
	25 mm x 1'' Thd	
*Male Thd is available in BSPT or NPT		

Part Name	Part No.	Specifications
Male Elbow 	169	4 mm x 1/8'' Thd
		4 mm x 1/4'' Thd
		6 mm x 1/8'' Thd
		6 mm x 1/4'' Thd
		6 mm x 3/8'' Thd
		8 mm x 1/8'' Thd
		8 mm x 1/4'' Thd
		8 mm x 3/8'' Thd
		10 mm x 1/4'' Thd
		10 mm x 3/8'' Thd
		10 mm x 1/2'' Thd
		12 mm x 1/4'' Thd
		12 mm x 3/8'' Thd
		12 mm x 1/2'' Thd
		14 mm x 3/8'' Thd
		14 mm x 1/2'' Thd
		15 mm x 3/8'' Thd
		15 mm x 1/2'' Thd
		14 mm x 3/8'' Thd
		16 mm x 3/8'' Thd
		16 mm x 1/2'' Thd
		16 mm x 3/4'' Thd
		20 mm x 1/2'' Thd
		20 mm x 3/4'' Thd
		25 mm x 3/4'' Thd
*Male Thd is available in BSPT or NPT		25 mm x 1'' Thd
Blanking End		
	171BE	M8 x 1
		M10 x 1
		M12 x 1
		M16 x 1.5
		M18 x 1.5

Part Name	Part No.	Specifications
Blanking Plug	171BP	4 mm
		6 mm
		8 mm
		10 mm
		12 mm

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