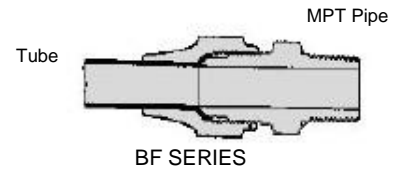


GENERAL BRASS FITTING INFORMATION

FLARE FITTINGS (BF Model Prefix)

- Suitable for use in the Plumbing and Heating Industries
- Forged fittings generally used for gas, oil, air and water
- Applicable with aluminum, brass, copper and steel tubing
- Two piece assembly, Nut and Body, sold separately
- Can disassemble and reassemble many times with no effect on the seal
- Resistant to mechanical pullout
- Long nuts are recommended for higher vibration applications
- For use in applications with temperature range of -65°F to + 250°F



Tube O.D.	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"
Thread Size	5/16"-24	3/8"-24	7/16"-20	1/2"-20	5/8"-18	11/16"-16	3/4"-16	7/8"-14	1-1/16"-14	1-1/4"-12	1-3/8"-12

Flare Installation:

1. Cut tube end squarely
2. Position flare nut on tube so threads are facing tube end
3. Flare end of tube
4. Hand tighten assembly and secure with an additional 1/6th (60°) turn **CAUTION: DO NOT OVER TIGHTEN!**

COMPRESSION FITTINGS (BC Model Prefix)

- Suitable for use in low to medium pressure applications
- Minimal preparation work of tube required
- Applicable with aluminum and copper tubing
- Three piece assembly, Nut, Sleeve and Body (Sold completely assembled)
- Short nuts are recommended for use in applications where vibration does not exist
- Long nuts are recommended for additional vibration resistance
- For use in applications with temperature range of -65°F to +250°F

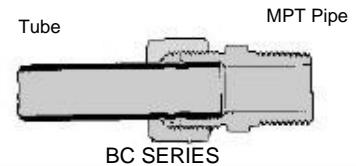
TUBE O.D.	To seal turn with wrench from hand-tight position
Up to 1/4"	1 1/4 turn
5/16"	1 3/4 turn
3/8" and up	2 1/4 turn

Tube O.D.	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"
Thread Size	5/16"-24	3/8"-24	7/16"-24	1/2"-24	9/16"-24	5/8"-24	11/16"-20	13/16"-18	1"-18	1-1/8"-18	1 1/4"-18

Compression Installation:

CAUTION: DO NOT OVER TIGHTEN!

1. Cut tube end squarely
2. Position nut followed by sleeve on tube so threads are facing tube end
3. Push tube into compression body ensuring it is against the built in stop
4. Hand tighten assembly and secure with an additional turn according to chart

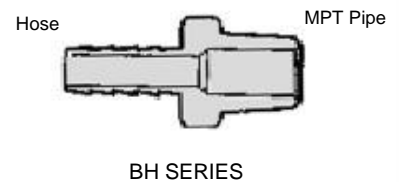


HOSE BARB FITTINGS (BH Model Prefix)

- Suitable for use with various hose and tubing
- Check with hose or tube manufacturer to ensure hose barb is suitable for application
- For use in applications with temperature range of -40°F to +160°F

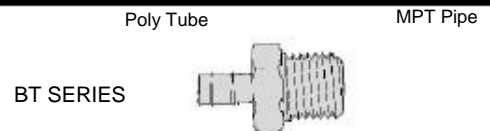
Hose Barb Installation:

1. Cut hose to length
2. Place clamp onto hose
3. Lubricate hose barb
4. Position hose on the barb 1/4" back from hex
5. Tighten Clamp



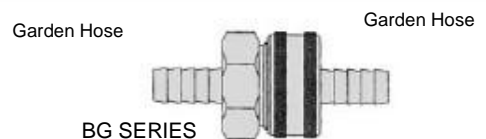
POLY BARB FITTINGS (BT Model Prefix)

- Suitable for use with polyethylene tubing
- Excellent vibration resistance
- For use in applications with temperature range of -40°F to +135°F



GARDEN HOSE FITTINGS (BG Model Prefix)

- Suitable for use in commercial or industrial plumbing
- Maximum working pressure 150 psi at 73°F
- Always check the maximum working pressure of the hose



GENERAL BRASS FITTING INFORMATION

Boshart Part Numbering Guide for Size Codes used on all BF, BC, BH, BT, BG series fittings

02	03	04	05	06	07	08	10	12	14	16
1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"

*Code used with all BII Brass Fittings in Section 3A. Always use Tube Size followed by Pipe Size

Example:

BF-48-0608

||| | _____

Pipe Size NPT (08=1/2" NPT)

|| | _____

Tube Size O.D. (06=3/8")

| | _____

Fitting Model/Configuration (i.e.) Tee, Elbow, etc.

| _____

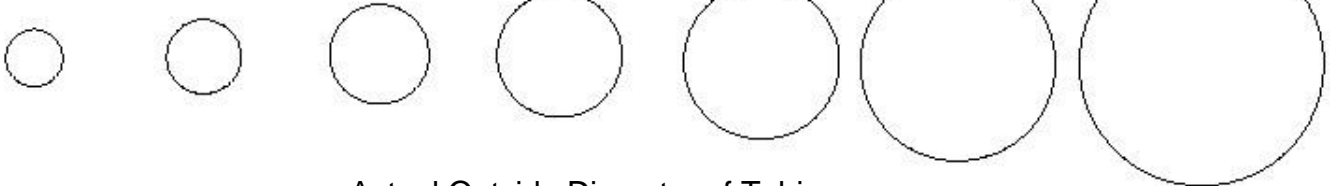
Fitting Type (i.e.) (BF - "Flare", BC - "Compression", BG - "Garden", BH - "Barb Hose", BT - "Barb Tee")

Actual Outside Diameter of Pipe

1/16 NPT	1/8 NPT	1/4 NPT	3/8 NPT	1/2 NPT	3/4 NPT	1 NPT
27(TPI)	27(TPI)	18(TPI)	18(TPI)	14(TPI)	14(TPI)	11 1/2(TPI)
O.D.=0.3125"	O.D.=0.405"	O.D.=0.540"	O.D.=0.675"	O.D.=0.840"	O.D.=1.050"	O.D.=1.315"

NPT (National Pipe Thread)

TPI (Threads Per Inch)

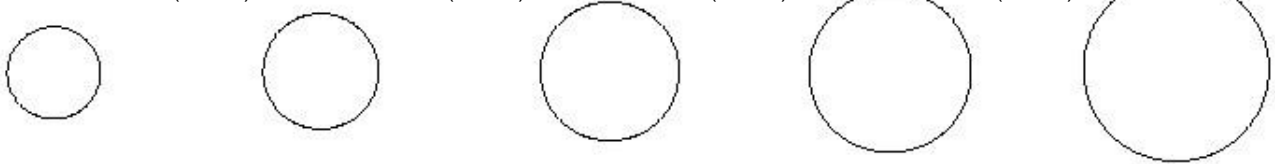


Actual Outside Diameter of Tubing

1/16"	1/8"	5/32"	3/16"	1/4"	5/16"	3/8"	7/16"
(0.0625")	(0.125")	(0.1563")	(0.1875")	(0.250")	(0.3125")	(0.375")	(0.4375")



1/2"	5/8"	3/4"	7/8"	1"
(0.500")	(0.625")	(0.750")	(0.875")	(1.000")



Fraction	Decimal	mm	Fraction	Decimal	mm	Fraction	Decimal	mm	Fraction	Decimal	mm
1/64"	0.0156	0.396	17/64"	0.2656	6.746	33/64"	0.5164	13.096	49/64"	0.7656	19.446
1/32"	0.0312	0.793	9/32"	0.2812	7.143	17/32"	0.5312	13.493	25/32"	0.7812	19.843
3/64"	0.0468	1.190	19/64"	0.2968	7.540	35/64"	0.5468	13.890	51/64"	0.7968	20.240
1/16"	0.0625	1.587	5/16"	0.3125	7.937	9/16"	0.5625	14.287	13/16"	0.8125	20.637
5/64"	0.0781	1.984	21/64"	0.3281	8.334	37/64"	0.5781	14.684	53/64"	0.8281	21.034
3/32"	0.0937	2.381	11/32"	0.3437	8.731	19/32"	0.5937	15.081	27/32"	0.8437	21.431
7/64"	0.1093	2.778	23/64"	0.3593	9.128	39/64"	0.6093	15.478	55/64"	0.8593	21.828
1/8"	0.1250	3.175	3/8"	0.3750	9.525	5/8"	0.6250	15.875	7/8"	0.8750	22.225
9/64"	0.1406	3.571	25/64"	0.3906	9.921	41/64"	0.6406	16.271	57/64"	0.8906	22.621
5/32"	0.1562	3.968	13/32"	0.4062	10.318	21/32"	0.6562	16.668	29/32"	0.9062	23.018
11/64"	0.1718	4.365	27/64"	0.4218	10.715	43/64"	0.6718	17.065	59/64"	0.9218	23.415
3/16"	0.1875	4.762	7/16"	0.4375	11.112	11/16"	0.6875	17.462	15/16"	0.9375	23.812
13/64"	0.2031	5.159	29/64"	0.4531	11.509	45/64"	0.7031	17.859	61/64"	0.9531	24.209
7/32"	0.2187	5.556	15/32"	0.4687	11.906	23/32"	0.7187	18.256	31/32"	0.9687	24.606
15/64"	0.2343	5.953	31/64"	0.4843	12.303	47/64"	0.7343	18.653	63/64"	0.9843	25.003
1/4"	0.2500	6.350	1/2"	0.5000	12.700	3/4"	0.7500	19.050	1"	1.0000	25.400