



WeldFit Push-in Fittings

**1/4" to 1/2" and
6 to 12mm Tube Sizes
1/8" to 1/2" NPT and
ISO G Thread Options**

WeldFit Product Numbering SystemFIT-5-2
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WeldFit SpecificationsFIT-5-4
WeldFit Push-in Fittings (inch)FIT-5-5
WeldFit Push-in Fittings (metric)FIT-5-8
WeldTubeFIT-5-12
WeldTube Jacket StriperFIT-5-14



Position → 1 2 3 4 5 6 7 8 9 (V)

Fitting Series Number

- 10 Brass push-in fittings (metric) nickel plate + washers, sealant, assembled
- 11 Plastic push-in fittings (metric)
- 12 Brass push-in fittings (inch) nickel plate + washers, sealant assembled
- 13 Plastic push-in fittings (inch)
- 15 ISO R Pipe Fittings Brass Nickel Plate
- 16 ISO G Pipe Fittings Brass Nickel Plate + Washers Assembled
- 20 ISO G Banjo Bolts
- 21 Metric WeldFit
- 33 Inch WeldFit

Suffix Position (Optional)

- BP Bulk packaging
- GR ISO R thread
- V Viton seals
- XA Without thread sealant

Thread Size

- 18 1/8
- 28 1/4
- 38 3/8
- 48 1/2
- UNF**
- 10 10-32
- Metric**
- 05 M5 x 0.8

Thread/Banjo Bolt

- 0 No port thread
- 1 ISO R
- 2 ISO G + M5
- 4 NPT + 10-32 UNF
- A Single bolt
- B Double bolt
- C Triple bolt
- D Single bolt M5 top port
- E Single bolt G 1/8 top port
- F Single bolt G 1/4 top port
- G Single bolt G 3/8 top port
- J Single bolt with test point
- K ISO G Single bolt - regulating out
- T ISO R Single bolt - regulating out
- V NPT Single bolt - regulating out
- W NPT Single bolt - regulating out
- Z NPT Single bolt - bi-directional

Tube Size

Inch O.D.		Metric O.D.	
01	1/8"	04	4 mm
02	5/32"	05	5 mm
03	3/16"	06	6 mm
04	1/4"	08	8 mm
05	5/16"	10	10 mm
06	3/8"	12	12 mm
07	1/2"	14	14 mm

Fitting Shape

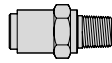
See facing page for shapes and codes.



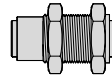
**Positions 4 and 5 denote fitting shape
Inch Sizes**



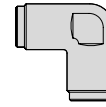
20 Union
– O/D tube to
O/D tube
p. FIT-5-5



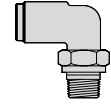
25 Male Connector
– O/D tube to
male thread
p. FIT-5-5



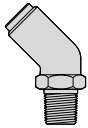
29 Bulkhead Union
– O/D tube to
O/D tube
p. FIT-5-5



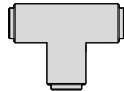
40 Union Elbow
– O/D tube to
O/D tube
p. FIT-5-5



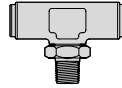
47 Swivel Male Elbow –
O/D tube to male
thread
p. FIT-5-6



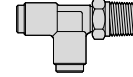
57 Swivel 45° Male Elbow
– O/D tube to male
thread
p. FIT-5-6



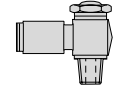
60 Union Tee
– O/D tube
p. FIT-5-5



**67 Swivel Male Branch
Tee** – O/D (2) tube to
male thread
p. FIT-5-6



68 Swivel Male Run Tee –
O/D tube (2) to male
thread
p. FIT-5-7

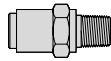


**VB0 Right Angle (Banjo)
Flow Control** – O/D
tube to male thread
p. FIT-5-7

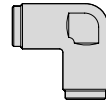
Metric Sizes



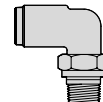
20 Union –
– O/D tube to O/D tube
p. FIT-5-8



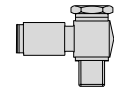
25 Male Connector
O/D tube to male thread
p. FIT-5-8



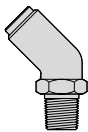
40 Union Elbow
– O/D tube to
O/D tube
p. FIT-5-8



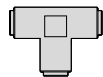
47 Swivel Male Elbow
– O/D tube
to male thread
p. FIT-5-9



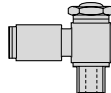
51 Banjo Elbow – O/D
tube to male thread
p. FIT-5-9



57 Swivel 45° Male Elbow
O/D tube
to male thread
p. FIT-5-9



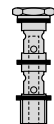
60 Union Tee
– O/D tube
p. FIT-5-8



**51 Right Angle (Banjo)
Flow Control** O/D tube
to male thread
p. FIT-5-10



**00 Banjo Bolt
Non Regulating** –
Single Stacking
male thread
p. FIT-5-10



**00 Banjo Bolt
Non Regulating** –
Double Stacking
male thread
p. FIT-5-10



**00 Banjo Bolt
Non Regulating** –
Single Stacking Top
Port male thread
p. FIT-5-10



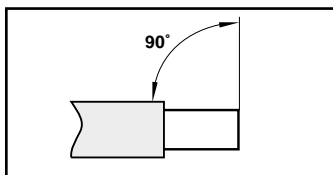
**00 Banjo Bolt
Flow Control** – Single
Stacking male thread
p. FIT-5-11



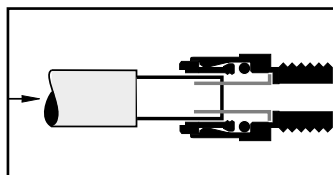
51 Elbow Banjo Body
– O/D Tube
p. FIT-5-11

Installation

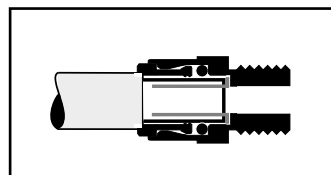
Tube Connection / Disconnection



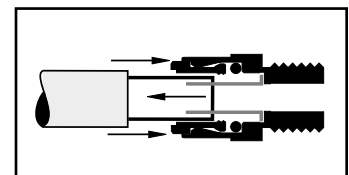
1. Ensure that the end of the tube is cut square and is free from burrs. Correct length of inner tube must be exposed. See FIT-5-14 for details of tube preparation.



2. Push the tube through the collet into the fitting.



3. Continue pushing the tube through the "O" ring until it bottoms on the tube stop. Then pull back on the tube to reinforce the collet teeth gripping action.



4. To disconnect - First ensure there is no air present. Push the tube into the fitting until it bottoms on the tube stop. Then hold down the collet and withdraw the tube.

WeldFit Push-in Fittings

1/4" to 1/2", and 6 mm – 12 mm Tube Sizes
1/8 to 1/2 NPT and ISO G Thread Options

- Easy tube insertion for rapid assembly of pneumatic & water circuits
- Silicone free 'O' rings
- All metal construction
- Compact
- Nickel plated to reduce weld spatter adherence
- Provides system protection from weld spatter when combined with WeldTube
- Tube support provides high pull out loads
- Easy to disassemble, enables quick re-tubing of system
- Counterbored collet head provides complete protection to inner tube even when side loads are applied to the tubing connection



Specifications

Fluid: Compressed air, water, nitrogen, inert and non-combustible gases compatible with materials of construction.

Note: For other types of fluids or compressed gases, please consult factory.

Working Pressure: 29.5" Hg vacuum to 260 psig (750 mm Hg to 18 bar)
Flow Control working pressures: 5 to 150 psig (.3 to 10 bar)

Note: Working pressure of the fitting/tubing assembly is limited by the working pressure of WeldTube, which is impacted by temperature.

Working Temperature: -20°F to 160°F (-30°C to 70°C) - Limited by working temperature range of WeldTube

Materials

Body, banjo bolt, banjo body, and collet – Nickel plated brass

Tube support – Copper plated brass

Tapered adjusting needle – brass

O-rings and check seal – Silicone free Nitrile

Sealing washer – Thermoplastic (ISO G threads)

Thread Sealant – Precote 5 thread sealant is factory applied to the circumference of tapered male threads.

Tubing:

To be used in conjunction with WeldTube (reference pages FIT-5-12 & 13)

Inch Sizes:

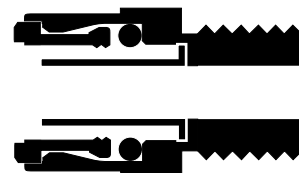
1/4", 3/8", 1/2" O/D tube

1/8, 1/4, 3/8, 1/2 NPT threads

Metric Sizes

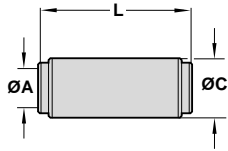
6, 8, 10, and 12 mm O/D tube

1/8, 1/4, 3/8, and 1/2 ISO G threads



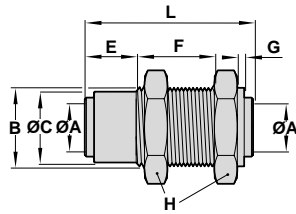


Union



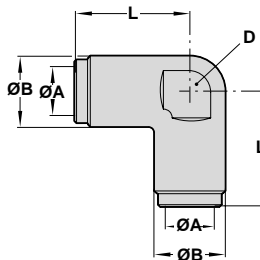
A Tube O/D	Part Number	C	L
1/4"	33 020 0400	0.51 (13.0)	1.40 (35.6)
3/8"	33 020 0600	0.67 (17.0)	1.74 (44.1)
1/2"	33 020 0700	0.81 (20.5)	2.01 (51.1)

Bulkhead Union



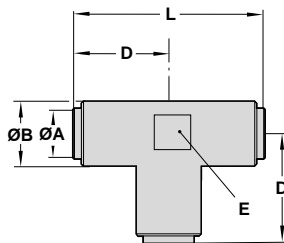
A Tube O/D	Part Number	B Metric Thread	C	L	E	F Max	G Min	H A/F
1/4"	33 029 0400	M15 x 1.0	—	1.41 (35.9)	-	0.87 (22)	0.08 (2)	7/8 (22)
3/8"	33 029 0600	M20 x 1.5	0.70 (17.7)	1.75 (44.5)	0.33 (8.5)	0.87 (22)	0.08 (2)	1-1/16 (27)
1/2"	33 029 0700	M24 x 1.5	0.85 (21.7)	2.02 (51.4)	0.63 (16.0)	0.87 (22)	0.08 (2)	1-3/16 (30)

Union Elbow



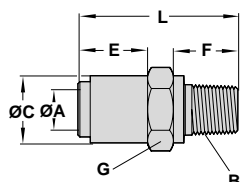
A Tube O/D	Part Number	B	L	D A/F
1/4"	33 040 0400	0.51 (13.0)	0.83 (21.0)	0.37 (9.5)
3/8"	33 040 0600	0.67 (17.0)	1.07 (27.1)	0.52 (13.3)
1/2"	33 040 0700	0.80 (20.5)	1.26 (32.1)	0.63 (16.0)

Union Tee (O/D tube to O/D tube)



A Tube O/D	Part Number	B	L	D	E A/F
1/4"	33 060 0400	0.51 (13.0)	1.65 (42.0)	0.83 (21.0)	0.37 (9.5)
3/8"	33 060 0600	0.67 (17.0)	2.13 (54.2)	1.07 (27.1)	0.52 (13.3)
1/2"	33 060 0700	0.80 (20.5)	2.53 (64.2)	1.26 (32.1)	0.63 (16.0)

Male Connector



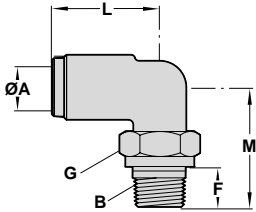
A Tube O/D	B NPT Thread	Part Number	C	L	E	F	G A/F
1/4"	1/8	33 425 0418	0.50 (12.7)	1.04 (26.3)	0.43 (10.8)	0.37 (9.5)	1/2
1/4"	1/4	33 425 0428	0.50 (12.7)	1.17 (29.8)	0.37 (9.3)	0.56 (14.3)	9/16
1/4"	3/8	33 425 0438	0.50 (12.7)	1.20 (30.5)	0.31 (8.0)	0.56 (14.3)	11/16
3/8"	1/4	33 425 0628	0.65 (16.5)	1.48 (37.6)	0.63 (16.1)	0.56 (14.3)	11/16
3/8"	3/8	33 425 0638	0.65 (16.5)	1.42 (36.1)	0.54 (13.6)	0.56 (14.3)	11/16
3/8"	1/2	33 425 0648	0.65 (16.5)	1.46 (37.1)	0.36 (9.1)	0.75 (19.0)	7/8
1/2"	1/4	33 425 0728	0.79 (20.0)	1.68 (42.6)	0.75 (19.1)	0.56 (14.3)	7/8
1/2"	3/8	33 425 0738	0.79 (20.0)	1.64 (41.6)	0.71 (18.1)	0.56 (14.3)	7/8
1/2"	1/2	33 425 0748	0.79 (20.0)	1.72 (43.6)	0.61 (15.6)	0.75 (19.0)	7/8



WeldFit Inch Push-In Fittings

All Dimensions in Inches (mm)

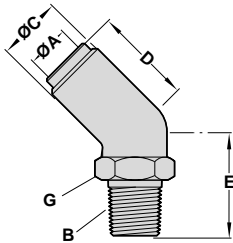
Swivel Male Elbow



A Tube O/D	B NPT Thread	Part Number	C	L	M	F	G A/F
1/4"	1/8	33 447 0418	0.51 (13.0)	0.83 (21.2)	0.91 (23.2)	0.37 (9.5)	7/16 (11.0)
1/4"	1/4	33 447 0428	0.51 (13.0)	0.83 (21.2)	1.12 (28.4)	0.56 (14.3)	9/16 (14.0)
1/4"	3/8	33 447 0438	0.59 (15.0)	0.85 (21.5)	1.25 (31.7)	0.56 (14.3)	3/4 (19.0)
3/8"	1/4	33 447 0628	0.67 (17.0)	1.07 (27.3)	1.29 (32.7)	0.56 (14.3)	3/4 (19.0)
3/8"	3/8	33 447 0638	0.67 (17.0)	1.07 (27.3)	1.24 (31.6)	0.56 (14.3)	3/4 (19.0)
3/8"	1/2	33 447 0648	0.67 (17.0)	1.07 (27.3)	1.45 (36.8)	0.75 (19.0)	7/8 (22.0)
1/2"	3/8	33 447 0738	0.81 (20.6)	1.27 (32.3)	1.42 (36.1)	0.56 (14.3)	7/8 (22.0)
1/2"	1/2	33 447 0748	0.81 (20.6)	1.27 (32.3)	1.62 (41.1)	0.75 (19.0)	7/8 (22.0)

CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

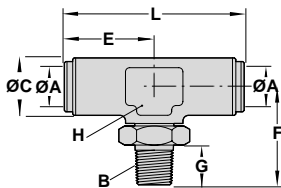
Swivel 45° Male Elbow



A Tube O/D	B NPT Thread	Part Number	C	D	E	F	G A/F
1/4"	1/8	33 457 0418	0.51 (13.0)	0.76 (19.3)	0.74 (18.9)	0.37 (9.5)	7/16 (11.0)
1/4"	1/4	33 457 0428	0.51 (13.0)	0.76 (19.3)	0.95 (24.1)	0.56 (14.3)	9/16 (14.0)
3/8"	1/4	33 457 0628	0.70 (17.7)	0.94 (23.8)	1.08 (27.4)	0.56 (14.3)	3/4 (19.0)
3/8"	3/8	33 457 0638	0.70 (17.7)	0.94 (23.8)	1.17 (29.8)	0.56 (14.3)	3/4 (19.0)
1/2"	1/2	33 457 0748	0.91 (23.2)	1.27 (32.3)	1.43 (36.4)	0.75 (19.0)	7/8 (22.0)

CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

Swivel Male Branch Tee

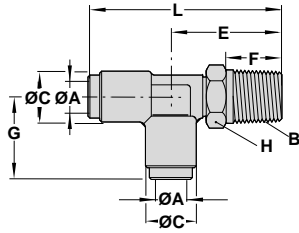


A Tube O/D	B NPT Thread	Part Number	C	L	E	F	G	H A/F
1/4"	1/8	33 467 0418	0.51 (13.0)	1.67 (42.4)	0.83 (21.2)	0.87 (22.2)	0.37 (9.5)	7/16 (11.0)
1/4"	1/4	33 467 0428	0.51 (13.0)	1.67 (42.4)	0.83 (21.2)	1.10 (28.1)	0.56 (14.3)	9/16 (14.0)
1/4"	3/8	33 467 0438	0.59 (15.0)	1.67 (42.4)	0.83 (21.2)	1.16 (29.4)	0.56 (14.3)	3/4 (19.0)
3/8"	1/4	33 467 0628	0.67 (17.0)	2.17 (55.0)	1.08 (27.5)	1.27 (32.4)	0.56 (14.3)	3/4 (19.0)
3/8"	3/8	33 467 0638	0.67 (17.0)	2.17 (55.0)	1.08 (27.5)	1.22 (31.1)	0.56 (14.3)	3/4 (19.0)
3/8"	1/2	33 467 0648	0.67 (17.0)	2.17 (55.0)	1.08 (27.5)	1.44 (36.6)	0.75 (19.1)	7/8 (22.0)
1/2"	1/4	33 467 0728	0.81 (20.6)	2.56 (65.0)	1.28 (32.5)	1.35 (34.4)	0.56 (14.3)	7/8 (22.0)
1/2"	3/8	33 467 0738	0.81 (20.6)	2.56 (65.0)	1.28 (32.5)	1.39 (35.3)	0.56 (14.3)	7/8 (22.0)
1/2"	1/2	33 467 0748	0.81 (20.6)	2.56 (65.0)	1.28 (32.5)	1.58 (40.3)	0.75 (19.1)	7/8 (22.0)

CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.



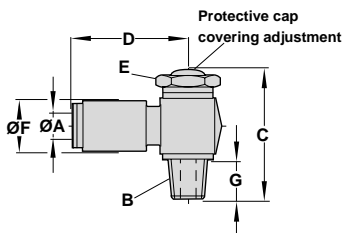
Swivel Male Run Tee



A Tube O/D	B NPT Thread	Part Number	C	L	E	F	G	H A/F
1/4"	1/8	33 468 0418	0.51 (13.0)	1.75 (44.4)	0.90 (22.8)	0.37 (9.5)	0.83 (21.2)	7/16 (11.0)
1/4"	1/4	33 468 0428	0.51 (13.0)	1.95 (49.6)	1.10 (28.1)	0.56 (14.3)	0.83 (21.2)	9/16 (14.0)
1/4"	3/8	33 468 0438	0.51 (13.0)	2.08 (52.9)	1.23 (31.4)	0.56 (14.3)	0.84 (21.3)	3/4 (19.0)
3/8"	1/4	33 468 0628	0.67 (17.0)	2.36 (60.0)	1.27 (32.2)	0.56 (14.3)	1.07 (27.3)	3/4 (19.0)
3/8"	3/8	33 468 0638	0.67 (17.0)	2.32 (58.9)	1.22 (31.1)	0.56 (14.3)	1.07 (27.3)	3/4 (19.0)
3/8"	1/2	33 468 0648	0.67 (17.0)	2.52 (64.1)	1.44 (36.6)	0.75 (19.1)	1.07 (27.3)	7/8 (22.0)
1/2"	1/4	33 468 0728	0.81 (20.6)	2.54 (64.5)	1.35 (34.4)	0.56 (14.3)	1.27 (32.3)	7/8 (22.0)
1/2"	3/8	33 468 0738	0.81 (20.6)	2.69 (68.4)	1.39 (35.3)	0.56 (14.3)	1.27 (32.3)	7/8 (22.0)
1/2"	1/2	33 468 0748	0.81 (20.6)	2.89 (73.4)	1.60 (40.8)	0.75 (19.1)	1.27 (32.3)	7/8 (22.0)

CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

Right Angle (Banjo) Flow Control (Meter Out)



A Tube O/D	B NPT Thread	Part Number	C	D	E A/F	F	G
1/4"	1/8	33 VB0 0418	1.57 (40.0)	0.98 (24.8)	9/16	0.63 (16)	0.37 (9.5)
1/4"	1/4	33 VB0 0428	1.83 (46.5)	1.06 (26.8)	3/4	0.79 (20)	0.56 (14.3)
3/8"	1/4	33 VB0 0628	1.83 (46.5)	1.22 (31.0)	3/4	0.79 (20)	0.56 (14.3)
3/8"	3/8	33 VB0 0638	2.22 (56.5)	1.30 (33.0)	7/8	0.94 (24)	0.56 (14.3)
1/2"	1/2	33 VB0 0748	2.56 (65.0)	1.58 (40.2)	11/16	1.18 (30)	0.75 (19.0)

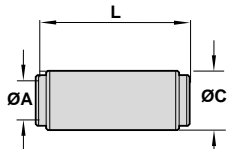
Note: For flow performance see graphs on page FIT-3-5 for 12 VB0 series.
Working pressure: 5 to 150 psig (.3 to 10 bar)



WeldFit Metric Push-In Fittings

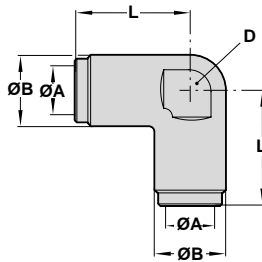
All Dimensions in MM (inches)

Union



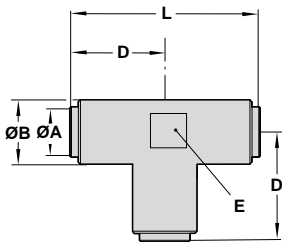
A Tube O/D	Part Number	C	L
6	21 020 0600	13 (0.51)	40 (1.57)
8	21 020 0800	15 (0.59)	42 (1.65)
10	21 020 1000	17 (0.67)	48.7 (1.92)
12	21 020 1200	20.5 (0.81)	56.1 (2.21)

Union Elbow



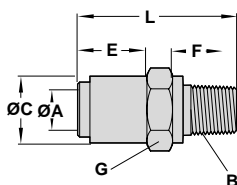
A Tube O/D	Part Number	B	L	D A/F
6	21 040 0600	13	23 (0.91)	9.5 (0.37)
8	21 040 0800	15	25 (0.98)	11.0 (0.43)
10	21 0400 1000	17	29 (1.14)	13.3 (0.52)
12	21 0400 1200	20.5	35 (1.38)	16 (0.63)

Union Tee



A Tube O/D	Part Number	B	L	D	E A/F
6	21 060 0600	13	46 (1.81)	23 (0.91)	9.5 (0.37)
8	21 060 0800	15	50 (1.97)	25 (0.98)	11.0 (0.43)
10	21 060 1000	17	59 (2.32)	29 (1.14)	13.3 (0.52)
12	21 060 1200	20.5	69 (2.72)	35 (1.38)	16.0 (0.63)

Male Connector

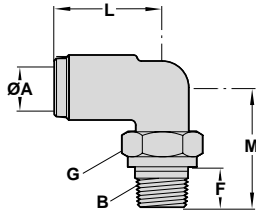


A Tube O/D	B ISO G Thread	Part Number	C	L	E	F	G A/F
6	1/8	21 225 0618	12.7 (0.50)	28 (1.10)	14 (0.55)	7.2 (0.28)	14 (0.55)
6	1/4	21 225 0628	12.7 (0.50)	29 (1.14)	10 (0.39)	9.8 (0.39)	19 (0.75)
8	1/8	21 225 0818	14.7 (0.58)	30 (1.18)	16 (0.63)	7.2 (0.28)	15 (0.59)
8	1/4	21 225 0828	14.7 (0.58)	32 (1.26)	13 (0.51)	9.8 (0.39)	19 (0.75)
8	3/8	21 225 0838	14.7 (0.58)	27 (1.06)	7 (0.28)	11.2 (0.44)	22 (0.87)
8	1/2	21 225 0848	14.7 (0.58)	35 (1.38)	7 (0.28)	14.8 (0.58)	27 (1.06)
10	1/4	21 225 1028	16.5 (0.65)	36 (1.42)	17 (0.67)	9.8 (0.39)	19 (0.75)
10	3/8	21 225 1038	16.5 (0.65)	36 (1.42)	14 (0.55)	11.2 (0.44)	22 (0.87)
10	1/2	21 225 1048	16.5 (0.65)	35 (1.38)	7 (0.28)	14.8 (0.58)	27 (1.06)
12	3/8	21 225 1238	20 (0.79)	41 (1.61)	20 (0.79)	11.2 (0.44)	22 (0.87)
12	1/2	21 225 1248	20 (0.79)	40 (1.57)	13 (0.51)	14.8 (0.58)	27 (1.06)

Supplied with sealing washer



Swivel Elbow Adaptors

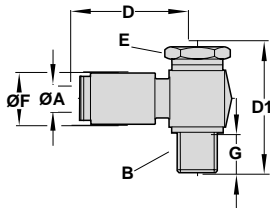


A Tube O/D	B ISO G Thread	Part Number	L	M	F	G A/F
6	1/8	21 247 0618	23 (0.91)	23.2 (0.91)	7.2 (0.28)	15 (0.59)
6	1/4	21 247 0628	23 (0.91)	28.5 (1.12)	9.8 (0.39)	19 (0.75)
8	1/8	21 247 0818	25 (0.98)	24.2 (0.95)	7.2 (0.28)	15 (0.59)
8	1/4	21 247 0828	25 (0.98)	30.3 (1.19)	9.8 (0.39)	19 (0.75)
8	3/8	21 247 0838	27 (1.06)	33.8 (1.33)	11.2 (0.44)	22 (0.87)
8	1/2	21 247 0848	27 (1.06)	39.3 (1.55)	14.75 (0.58)	27 (1.06)
10	1/8	21 247 1018	30 (1.18)	26.2 (1.03)	7.2 (0.28)	15 (0.59)
10	1/4	21 247 1028	30 (1.18)	31.0 (1.22)	9.8 (0.39)	19 (0.75)
10	3/8	21 247 1038	30 (1.18)	33.8 (1.33)	11.2 (0.44)	22 (0.87)
10	1/2	21 247 1048	30 (1.18)	39.3 (1.55)	14.75 (0.58)	27 (1.06)
12	1/4	21 247 1228	35 (1.38)	33.4 (1.31)	9.8 (0.39)	19 (0.75)
12	3/8	21 247 1238	35 (1.38)	37.8 (1.49)	11.2 (0.44)	22 (0.87)
12	1/2	21 247 1248	35 (1.38)	43.3 (1.70)	14.75 (0.58)	27 (1.06)

Supplied with sealing washer

CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

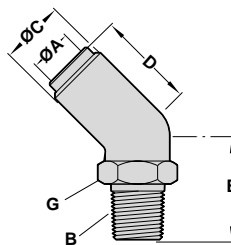
Banjo Elbow Assembly



A Tube O/D	B ISO G Thread	Part Number	D	D1	E A/F	F	G
6	1/8	21 A51 0618	29 (1.14)	29 (1.14)	14 (0.55)	12 (0.47)	5 (0.20)
6	1/4	21 A51 0628	28 (1.10)	32 (1.26)	17 (0.67)	13 (0.51)	6 (0.24)
8	1/4	21 A51 0828	29 (1.14)	32 (1.26)	17 (0.67)	15 (0.59)	6 (0.24)
8	3/8	21 A51 0838	31 (1.22)	46 (1.81)	22 (0.87)	15 (0.59)	9 (0.35)
10	3/8	21 A51 1038	35 (1.38)	46 (1.81)	22 (0.87)	15 (0.59)	9 (0.35)
12	3/8	21 A51 1238	38 (1.50)	46 (1.81)	22 (0.87)	20 (0.79)	9 (0.35)
10	1/2	21 A51 1048	38 (1.50)	48 (1.89)	27 (1.06)	17 (0.67)	13 (0.51)
12	1/2	21 A51 1248	41 (1.61)	48 (1.89)	27 (1.06)	20 (0.79)	13 (0.51)

Supplied with sealing washer

Swivel 45° Male Elbow Adaptor



A Tube O/D	B ISO G Thread	Part Number	C	D	E	G A/F
6	1/8	21 257 0618	13 (0.51)	22 (0.87)	19.2 (0.76)	15 (0.59)
6	1/4	21 257 0628	13 (0.51)	22 (0.87)	24.5 (0.96)	19 (0.75)
8	1/8	21 257 0818	15 (0.59)	23 (0.91)	20.5 (0.81)	15 (0.59)
8	1/4	21 257 0828	15 (0.59)	23 (0.91)	25.8 (1.02)	19 (0.75)
10	1/8	21 257 1018	17 (0.67)	27 (1.06)	21 (0.83)	15 (0.59)

Supplied with sealing washer

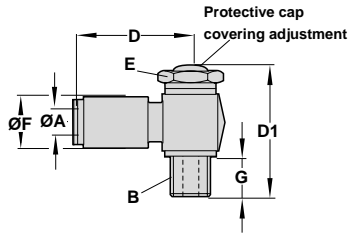
CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.



WeldFit Metric Push-In Fittings

All Dimensions in MM (inches)

Right Angle (Banjo) Flow Control (Meter Out)



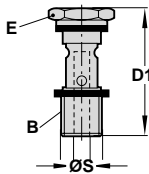
A Tube O/D	B ISO G Thread	Part Number	D	D1	E A/F	F	G
6	1/8	21 K51 0618	28 (1.10)	34 (1.34)	13 (0.51)	13 (0.51)	6 (0.24)
6	1/4	21 K51 0628	28 (1.10)	36.5 (1.44)	17 (0.67)	13 (0.51)	6 (0.24)
8	1/4	21 K51 0828	29 (1.14)	36.5 (1.44)	17 (0.67)	15 (0.59)	6 (0.24)
8	3/8	21 K51 0838	31 (1.22)	51.5 (2.03)	22 (0.87)	15 (0.59)	10 (0.39)
10	3/8	21 K51 1038	38 (1.50)	51.5 (2.03)	22 (0.87)	17 (0.67)	10 (0.39)
12	1/2	21 K51 1248	41 (1.61)	57.5 (2.26)	27 (1.06)	20 (0.79)	12 (0.47)

Working pressure: 0.3 to 10 bar (5 - 150 psig)

Supplied complete with sealing washers.

NOTE: For flow performance see graphs on page FIT-3-5 for 10K51 series.

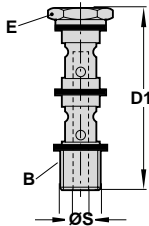
Banjo Bolt – Non Regulating (Single Stacking)



B ISO G or metric Thread	Part Number	D1	E A/F	S
M5 x 0.8	20 A00 0005	22 (0.87)	8 (0.31)	2.5 (0.10)
1/8	20 A00 0018	30 (1.18)	14 (0.55)	5 (0.20)
1/4	20 A00 0028	34 (1.34)	17 (0.67)	8.5 (0.33)
3/8	20 A00 0038	41 (1.61)	22 (0.87)	10 (0.39)
1/2	20 A00 0048	47.5 (1.87)	27 (1.06)	11.5 (0.45)

Supplied complete with sealing washers.

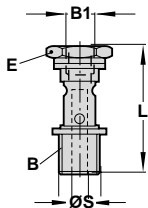
Banjo Bolt – Non Regulating (Double Stacking)



B ISO G or metric Thread	Part Number	D1	E A/F	S
M5x0.8	20 B00 0005	34.5 (1.36)	8 (0.31)	2.5 (0.10)
1/8	20 B00 0018	46.5 (1.83)	14 (0.55)	5 (0.20)
1/4	20 B00 0028	52.5 (2.07)	17 (0.67)	8.5 (0.33)
3/8	20 B00 0038	64 (2.52)	22 (0.87)	10 (0.39)
1/2	20 B00 0048	72.5 (2.85)	27 (1.06)	11.5 (0.45)

Supplied complete with sealing washers.

Banjo Bolt – Non Regulating (Single Stacking with Top Port)

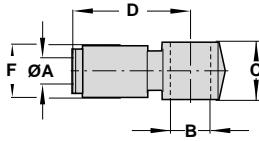


B ISO G or metric Thread	B1 ISO G or metric Thread	Part Number	L	E A/F	ØS
M5x0.8	M5x0.8	20 D00 0505	25.6 (1.01)	8 (0.31)	2.5 (0.10)
M5x0.8	1/4	20 D00 0528	34 (1.34)	17 (0.67)	8.5 (0.33)
M5x0.8	3/8	20 D00 0538	41 (1.61)	22 (0.87)	10 (0.39)
1/8	1/8	20 E00 1818	36 (1.42)	14 (0.55)	5 (0.20)
1/8	1/4	20 E00 1828	35.5 (1.40)	17 (0.67)	6 (0.24)
1/8	3/8	20 E00 1838	41 (1.61)	22 (0.87)	10 (0.39)
1/4	1/4	20 F00 2828	45 (1.77)	17 (0.67)	8.5 (0.33)

Supplied complete with sealing washers.



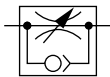
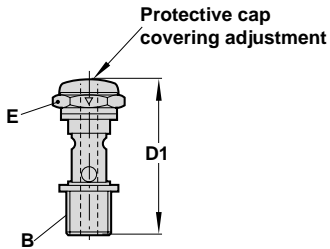
Elbow Banjo Body



A Tube O/D	B ISO G or metric Thread	Part Number	C	D	F
6	M5	21 051 0605	12.6 (0.50)	25 (0.98)	12.3 (0.48)
6	1/8	21 051 0618	14 (0.55)	28 (1.10)	13 (0.51)
6	1/4	21 051 0628	16 (0.63)	29 (1.14)	13 (0.51)
8	1/4	21 051 0828	16 (0.63)	29 (1.14)	15 (0.59)
8	3/8	21 051 0838	20.5 (0.81)	31 (1.22)	15 (0.59)
10	3/8	21 051 1038	20.5 (0.81)	35 (1.38)	17 (0.67)
12	3/8	21 051 1238	20.5 (0.81)	38 (1.50)	20 (0.79)
10	1/2	21 051 1048	22 (0.87)	38 (1.50)	17 (0.67)
12	1/2	21 051 1248	22 (0.87)	41 (1.61)	20 (0.79)

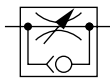
Banjo Bolt – Flow Control (Single Stacking)

20*00



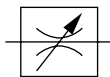
Meter In

B ISO G or metric Thread	Part Number	D1	E A/F
M5x0.8	20 K00 0005	27.3 (1.07)	8 (0.31)
1/8	20 K00 0018	34 (1.34)	14 (0.55)
1/4	20 K00 0028	36.5 (1.44)	17 (0.67)
3/8	20 K00 0038	51.5 (2.03)	22 (0.87)
1/2	20 K00 0048	57 (2.24)	27 (1.06)



Meter Out

B ISO G or metric Thread	Part Number	D1	E A/F
M5x0.8	20 L00 0005	27.3 (1.07)	8 (0.31)
1/8	20 L00 0018	34 (1.34)	14 (0.55)
1/4	20 L00 0028	36.5 (1.44)	17 (0.67)
3/8	20 L00 0038	51.5 (2.03)	22 (0.87)



Bi-Directional

B ISO G or metric Thread	Part Number	D1	E A/F
M5x0.8	20 M00 0005	27.3 (1.07)	8 (0.31)
1/8	20 M00 0018	34 (1.34)	14 (0.55)
1/4	20 M00 0028	36.5 (1.44)	17 (0.67)
3/8	20 M00 0038	51.5 (2.03)	22 (0.87)
1/2	20 M00 0048	57 (2.24)	27 (1.06)

All banjo bolts supplied complete with sealing washers.
 Arrow on bolt hexagon indicates free flow direction.
 Working pressure: .3 - 10 bar (5 - 150 psig)

- Available in a variety of colors in three inch and four metric sizes
- Outer jacket protects against damage from weld spatter
- Designed to be used with WeldFit push-in fittings
- Good flexibility with tight bend radius capability
- Good chemical resistance
- Flame retardant outer jacket

**Specifications****Fluid**

Compressed air, water, nitrogen, inert and non-combustible gases compatible with materials of construction.

Note: For other types of fluids or compressed gases, please consult factory.

Working Pressure

Inch - 28" Hg vacuum to 145 psig (711 mm Hg to 10 bar)

Metric - 750 mm Hg vacuum to 10 bar (729.5" Hg vacuum to 145 psig)

Note: Working pressures are temperature limited, see chart and graph, FIT-5-13.

Working Temperature

Inch: -40°F to 165°F (-40°C to 74°C)

Metric: -30°C to 70°C (-22°F to 158°F)

Diameter Tolerance

Inch: ± 0.005 " inner tube OD

Materials

Inner tube - Polyurethane, 95° shore A

Inner tube colors: inch - blue

metric - green

Jacket

Inch Thermoplastic rubber (meets UL 94VO requirements)

Metric - Flame retardant PVC

Tubing Sizes

Inch -

1/4", 3/8", 1/2" OD

Metric -

6, 8, 10, and 12 mm OD



Inch Weld Tube

OD Inner Tube	ID Inner Tube	Jacket Thickness (ref.)	Working Pressure		Bend Radius	Part Number and Jacket Color				
			@ 75°F	@ 150°F		Black	Red	Green	Blue	White
			psi. (bar)	psi.(bar)						
1/4"	0.160"	0.030"	148 (10.2)	74 (5.1)	1/2"(13)	WT 4754 100	WT 4154 100	WT 4254 100	WT 4554 100	WT 4054 100
3/8"	0.245"	0.030"	147 (10.1)	74 (5.1)	7/8"(22)	WT 4756 100	WT 4156 100	WT 4256 100	WT 4556 100	WT 4056 100
1/2"	0.320"	0.030"	140 (9.7)	70 (4.8)	1-1/8"(29)	WT 4757 100	WT 4157 100	WT 4257 100	WT 4557 100	WT 4057 100

Notes

The working pressure for the inner polyurethane tube is calculated using a 3 to 1 safety factor.

To determine working pressures at other temperatures, see chart.

Tubing is supplied in 100 ft. (30.5m) coils, packaged in poly bags.

For other colors, lengths or packaging, please consult factory.

Metric Weld Tube

OD Inner Tube	ID Inner Tube	OD Jacket (ref.)	Working Pressure		Bend Radius	Part Number and Jacket Color			
			@ 75°F	@ 150°F		Black	Red	Green	Blue
			bar (psi)	bar (psi)					
6	4	8	10 (145)	5 (73)	40 (1.6)	WT 4706 025	WT 4106 025	WT 4206 025	WT 4506 025
8	6	10	10 (145)	5 (73)	50 (2.0)	WT 4708 025	WT 4108 025	WT 4208 025	WT 4508 025
10	7	12.5	10 (145)	5 (73)	65 (2.6)	WT 4710 025	WT 4110 025	WT 4210 025	WT 4510 025
12	9	14.5	10 (145)	5 (73)	75 (3.0)	WT 4712 025	WT 4112 025	WT 4212 025	WT 4512 025

Notes

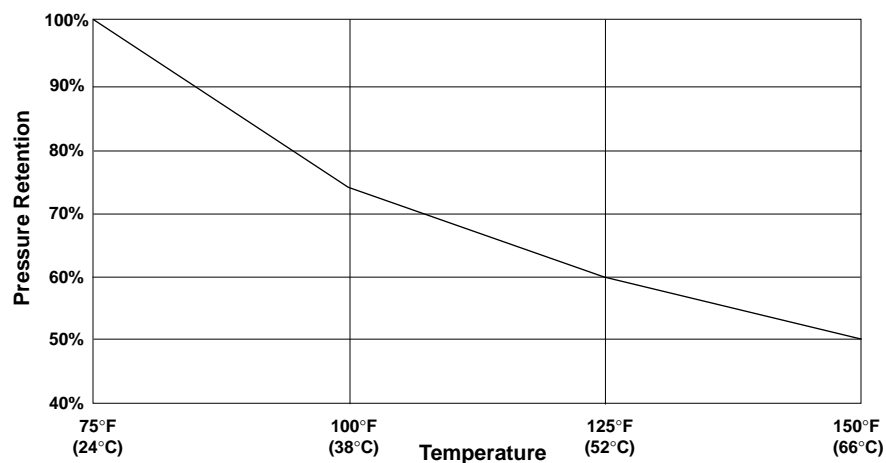
The working pressure for the inner polyurethane tube is calculated using a 3 to 1 safety factor.

To determine working pressures at other temperatures, see chart.

Tubing is supplied in 25 meter (82 ft.) coils, packaged in poly bags.

For other colors, lengths or packaging, please consult factory.

Working Pressure at Elevated Temperature



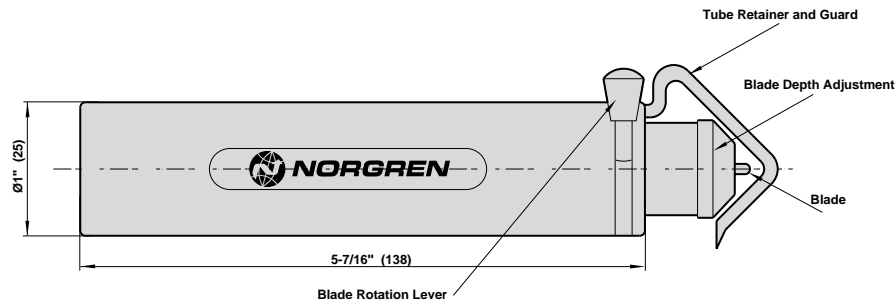


WeldTube

All Dimensions in Inches (mm)

WeldTube Jacket Stripper

- Facilitates stripping of WeldTube's jacket from inner tube
- Operates in the same fashion as a cable jacket stripper



Description	Part Number
Jacket Stripper	39004100
Spare Blades - 2 pcs.	39004160

To obtain optimum protection from weld splatter, the outer tube jacket needs to be removed, exposing the correct length of inner tube for insertion into the tube gland of the WeldFit fitting. The outer jacket fits into the collet counterbore, thus providing optimal system protection from weld splatter.

The jacket does not adhere to the inner tube, thus it can be slit and removed to provide the correct length of inner tube for insertion into the fitting. When slitting the jacket, care should be taken not to score the inner tube. The featured WeldTube Jacket Stripper has been designed and is recommended for this task.

Procedure

1. Using a standard tube cutter, cut completely through the tube. The cut must be made in the middle of one of the \times marks found along the tube's centerline. Ensure the tube is cut at 90° to its axis.
2. Cutter depth adjustment: Rotate the head (threaded adjustment) to adjust the depth of cut to just equal jacket thickness.
3. Push open the tube retainer and guard (spring loaded) and insert the tube to be stripped. Line up the blade of the WeldTube Jacket Stripper with the next \times mark from the tube end. This ensures that the correct length of jacket will be stripped off. Release the guard, which will now retain the tube.
4. To cut through the outer jacket, rotate the cutter around the circumference of the tube.
5. Engage the blade rotation lever, pushing it up against its stop and holding it in this position. This pivots the blade 90°. Pull the Jacket Stripper longitudinally along the length of the jacket segment to be removed. The rotated blade will slit the jacket segment along its length.
6. The outer jacket segment can now be removed. The ground edge of the guard can be used to assist in accomplishing this.
7. The tube is ready for insertion into its WeldFit fitting.