

Serie 87000 - 88000

								
87000 Pg. 1.6	88020 Pg. 1.6	87010 Pg. 1.6	87010 Pg. 1.6	87111 Pg. 1.7	87116 Pg. 1.7	87211 Pg. 1.7	87216 Pg. 1.7	87223 Pg. 1.8
								
87226 Pg. 1.8	87007 Pg. 1.8	88117 Pg. 1.8	88000 Pg. 1.9	88030 Pg. 1.9	88055 Pg. 1.9	88100 Pg. 1.9	88106 Pg. 1.10	88111 Pg. 1.10
								
88211 Pg. 1.10	88223 Pg. 1.11	88040 Pg. 1.11	88050 Pg. 1.11	88130 Pg. 1.11	88230 Pg. 1.12	88310 Pg. 1.12	88500 Pg. 1.13	88510 Pg. 1.13
								
81410 Pg. 1.13	81420 Pg. 1.13	81430 Pg. 1.14	88610 Pg. 1.14	88700 Pg. 1.14	50980 Pg. 1.14	87800 Pg. 1.15	55801 Pg. 1.15	55802 Pg. 1.15

Fitting kits

			
87861-02 Pg. 1.16	87861-04 Pg. 1.16	87861-06 Pg. 1.16	87861-08 Pg. 1.17
			
87861-90 Pg. 1.17			

Click here to view the **87000 - 88000 Series** on our Website



PUSH-TO-CONNECT FITTINGS



87 - 88 Series



TECHNICAL CHARACTERISTICS



Standard Reference

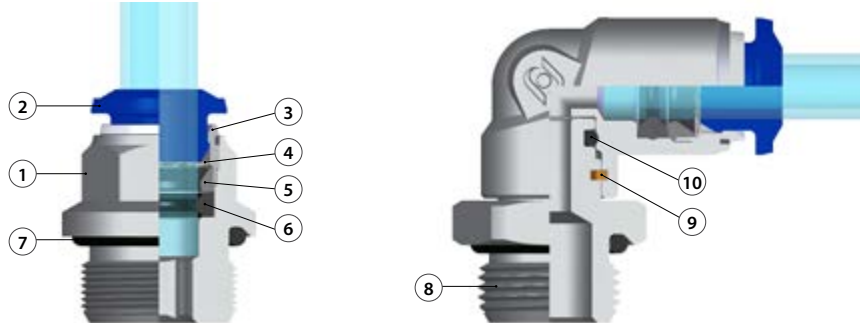
1907/2006
REACH✓

2011/65/CE
RoHS✓

PED
2014/68/UE

ISO
14743:2020

SILICON
FREE



Component Parts and Materials

- 1 Nickel Plated Brass Body
- 2 Composite Release Collet
- 3 Nickel Plated Brass Sleeve
- 4 303 Stainless Steel Gripper
- 5 Technopolymer Safety Ring
- 6 NBR Molded Seal
- 7 NBR Thread Seal
- 8 Nickel Plated brass thread
- 9 Safety Ring
- 10 NBR Seal



Pressure Rating

Vacuum ~ 290 PSI
-0.99 bar ~ 20 bar
-0.099 MPa ~ 2.0 MPa



Temperatures Rating

NBR -4° F ~ 176° F
-20° C ~ 80° C



Media

- Compressed Air
- Vacuum
- Water
- Steam (FKM required)



Tubing Compatibility

Nylon 6 - 11 -12
Polyethylene
Polyurethane ("98 Shore A for best result)
PTFE
FEP



One fitting... Endless possibilities

NPT
NPTF
TAPERED

ISO 7
BSPP
PARALLELL

ISO 7
BSPT - PT
TAPERED

ISO 228
BSP - PF
PARALLELL



INCLINED

CONCAVE

CONVEX

Torque Specifications

Recommended Torque		
Thread Size	Min.	Max.
1/8	5 Nm	7 Nm
1/4	5 Nm	7 Nm
3/8	5 Nm	7 Nm
1/2	5 Nm	7 Nm

All SWIFTFIT fittings have been equipped with threads and an NBR thread seal that will universally connect to all thread types.
Our SWIFTFIT universal fittings also work on non-flat surfaces without compromising its air-tight seal.



UNF Threads

Standard USA design

Designed for use in UNF connections with an integrated NBR o-ring that provides a perfect seal



Torque Specifications

Recommended Torque		
Thread Size	Min.	Breaking torque
10/32	0.8 Nm	3.2 Nm



PTF Threads

Standard USA design. PTF/SAE short thread

Designed for connections with an NPTF thread

Dryseal pipe threads are designed for applications where clearance is not sufficient for the full thread length of NPTF threads.

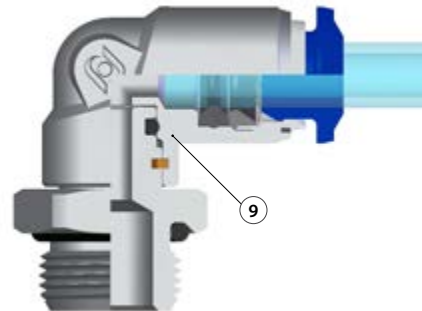
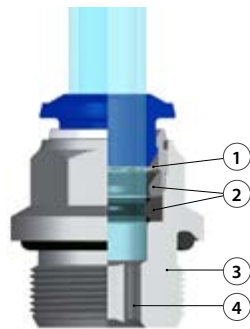


Torque Specifications

Recommended Torque		
Thread Size	Min.	Breaking torque
1/8	5 Nm	8 Nm
1/4	9 Nm	30 Nm



Advantages



Advantages

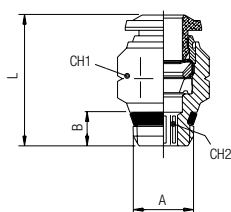
- 1 The 303 Stainless Steel gripper ensures a grip on for tubes of any material without damaging their surface. The secure connection between the tube and the fitting will hold up to severe conditions such as impact and vibrations.
- 2 The shape of the safety ring and the molded seal perfectly seals the tube, creating a vacuum.
- 3 Series with multiple types of threads:

SWIFFIT
UNF
PTF
NPTF

- 4 All straight fittings can be tightened with an Allen wrench because of our internal hex design. This enables the end user to tighten the fitting in spaces too small for an openend wrench.
- 5 Our rotating Swivel Elbow fittings are equipped with a safety ring that enables the fitting to rotate without losing its tight seal.

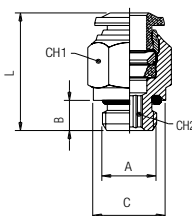
87000

STRAIGHT MALE



* For part numbers with 10-32 threads
88020

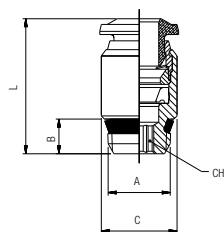
UNF



Code	Usa Ref	Tube	A	B	C	L	CH1	CH2	Pack
*88020 00 001	*88020-02-32	1/8	10/32	.157 (4)	.310 (8)	.787 (18)	.315 (8)	.079 (2)	10
87000 00 001	87000-02-02	1/8	1/8	.217 (5,5)	-	.650 (16,5)	.433 (11)	.079 (2)	10
87000 00 002	87000-02-04	1/8	1/4	.276 (7)	-	.728 (18,5)	.551 (14)	.079 (2)	10
*88020 00 002	*88020-53-32	5/32 (4)	10/32	.157 (4)	.310 (8)	.827 (21)	.394 (10)	.079 (2)	10
87000 00 003	87000-53-02	5/32 (4)	1/8	.217 (5)	-	.708 (18)	.433 (11)	.118 (3)	10
87000 00 004	87000-53-04	5/32 (4)	1/4	.276 (7)	-	.767 (19,5)	.551 (14)	.118 (3)	10
*88020 00 003	*88020-04-32	1/4	10/32	.157 (4)	.390 (10)	.925 (23,5)	.512 (13)	.079 (2)	10
87000 00 005	87000-04-02	1/4	1/8	.217 (5)	-	.866 (22)	.512 (13)	.157 (4)	10
87000 00 006	87000-04-04	1/4	1/4	.276 (7)	-	.826 (21)	.551 (14)	.157 (4)	10
87000 00 007	87000-04-06	1/4	3/8	.295 (7,5)	-	.826 (21)	.669 (17)	.157 (4)	10
87000 00 008	87000-05-02	5/16 (8)	1/8	.217 (5)	-	.964 (24,5)	.551 (14)	.197 (5)	10
87000 00 009	87000-05-04	5/16 (8)	1/4	.276 (7)	-	.866 (22)	.551 (14)	.236 (6)	10
87000 00 010	87000-05-06	5/16 (8)	3/8	.295 (7,5)	-	.905 (23)	.669 (17)	.236 (6)	10
87000 00 011	87000-06-02	3/8	1/8	.217 (5)	-	1.122 (28,5)	.669 (17)	.197 (5)	10
87000 00 012	87000-06-04	3/8	1/4	.276 (7)	-	1.122 (28,5)	.669 (17)	.276 (6)	10
87000 00 013	87000-06-06	3/8	3/8	.295 (7,5)	-	1.043 (26,5)	.669 (17)	.276 (6)	10
87000 00 014	87000-06-08	3/8	1/2	.354 (9)	-	1.043 (26,5)	.827 (21)	.276 (6)	10
87000 00 018	87000-08-02	1/2	1/8	.217 (5)	-	1.299 (33)	.787 (20)	.197 (5)	10
87000 00 015	87000-08-04	1/2	1/4	.276 (7)	-	1.299 (33)	.787 (20)	.197 (5)	10
87000 00 016	87000-08-06	1/2	3/8	.295 (7,5)	-	1.259 (32)	.787 (20)	.354 (9)	10
87000 00 017	87000-08-08	1/2	1/2	.354 (9)	-	1.259 (32)	.827 (21)	.394 (10)	10

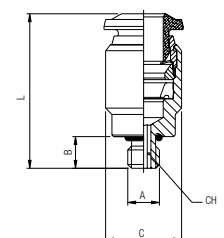
87010

STRAIGHT MALE WITH INTERNAL HEX



* For part numbers with 10-32 threads

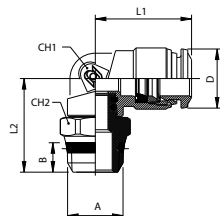
UNF



Code	Usa Ref	Tube	A	B	C	L	CH	Pack
*87010 00 001	*87010-02-32	1/8	10/32	.157 (4)	.315 (8)	.709 (18)	.098 (2,5)	10
*87010 00 002	*87010-53-32	5/32 (4)	10/32	.157 (4)	.394 (10)	.787 (20)	.098 (2,5)	10
87010 00 003	87010-53-02	5/32 (4)	1/8	.217 (5)	.374 (9,5)	.709 (18)	.118 (3)	10
*87010 00 004	*87010-04-32	1/4	10/32	.157 (4)	.473 (12)	.925 (23,5)	.098 (2,5)	10
87010 00 005	87010-04-02	1/4	1/8	.217 (5)	.473 (12)	.846 (21,5)	.157 (4)	10
87010 00 006	87010-04-04	1/4	1/4	.276 (7)	.551 (14)	.846 (21,5)	.157 (4)	10

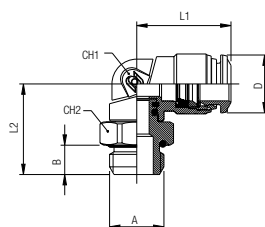
87111

SWIVEL ELBOW



* For part numbers with 10-32 threads
87116

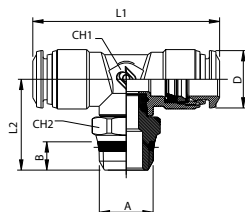
UNF



Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	D	Pack
*87116 00 001	*87116-02-32	1/8	10/32	.177 (4,5)	.630 (16)	.689 (17,5)	.354 (9)	.315 (8)	.394 (10)	10
87111 00 001	87111-02-02	1/8	1/8	.217 (5,5)	.650 (16,5)	.768 (19,5)	.354 (9)	.511 (13)	.394 (10)	10
87111 00 002	87111-02-04	1/8	1/4	.276 (7)	.650 (16,5)	.827 (21)	.354 (9)	.591 (15)	.394 (10)	10
*87116 00 002	*87116-53-32	5/32 (4)	10/32	.177 (4,5)	.689 (17,5)	.689 (17,5)	.354 (9)	.315 (8)	.394 (10)	10
87111 00 003	87111-53-02	5/32 (4)	1/8	.217 (5,5)	.708 (18)	.768 (19,5)	.354 (9)	.511 (13)	.394 (10)	10
87111 00 004	87111-53-04	5/32 (4)	1/4	.276 (7)	.708 (18)	.827 (21)	.354 (9)	.591 (15)	.394 (10)	10
*87116 00 003	*87116-04-32	1/4	10/32	.177 (4,5)	.827 (21)	.768 (19,5)	.433 (11)	.433 (11)	.492 (12,5)	10
87111 00 005	87111-04-02	1/4	1/8	.217 (5,5)	.827 (21)	.846 (21,5)	.433 (11)	.511 (13)	.493 (12,5)	10
87111 00 006	87111-04-04	1/4	1/4	.276 (7)	.827 (21)	.906 (23)	.433 (11)	.591 (15)	.493 (12,5)	10
87111 00 007	87111-04-06	1/4	3/8	.295 (7,5)	.827 (21)	.926 (23,5)	.433 (11)	.669 (17)	.493 (12,5)	10
87111 00 008	87111-05-02	5/16 (8)	1/8	.217 (5,5)	.886 (22,5)	.945 (24)	.472 (12)	.511 (13)	.571 (14,5)	10
87111 00 009	87111-05-04	5/16 (8)	1/4	.276 (7)	.886 (22,5)	.945 (24)	.472 (12)	.591 (15)	.571 (14,5)	10
87111 00 010	87111-05-06	5/16 (8)	3/8	.295 (7,5)	.886 (22,5)	.965 (24,5)	.472 (12)	.669 (17)	.571 (14,5)	10
87111 00 011	87111-06-02	3/8	1/8	.217 (5,5)	1.043 (26,5)	1.023 (26)	.551 (14)	.551 (14)	.669 (17,5)	10
87111 00 012	87111-06-04	3/8	1/4	.276 (7)	1.043 (26,5)	1.122 (28,5)	.551 (14)	.630 (16)	.669 (17,5)	10
87111 00 013	87111-06-06	3/8	3/8	.295 (7,5)	1.043 (26,5)	1.102 (28)	.551 (14)	.669 (17)	.669 (17,5)	10
87111 00 014	87111-06-08	3/8	1/2	.354 (9)	1.043 (26,5)	1.141 (29)	.551 (14)	.827 (21)	.669 (17,5)	10
87111 00 015	87111-08-04	1/2	1/4	.276 (7)	1.240 (31,5)	1.169 (29,7)	.630 (16)	.630 (16)	.846 (21,5)	10
87111 00 016	87111-08-06	1/2	3/8	.295 (7,5)	1.240 (31,5)	1.090 (27,7)	.630 (16)	.669 (17)	.846 (21,5)	10
87111 00 017	87111-08-08	1/2	1/2	.354 (9)	1.240 (31,5)	1.188 (30,2)	.630 (16)	.827 (21)	.846 (21,5)	10

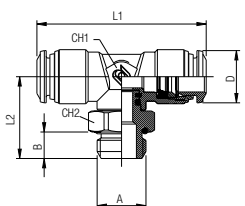
87211

SWIVEL BRANCH TEE



* For part numbers with 10-32 threads
87216

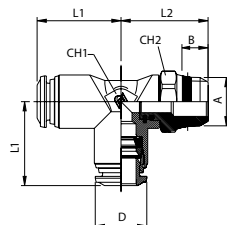
UNF



Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	D	Pack
*87216 00 001	*87216-02-32	1/8	10/32	.157 (4)	1.300 (33)	.748 (19)	.354 (9)	.315 (8)	.394 (10)	10
87211 00 001	87211-02-02	1/8	1/8	.216 (5,5)	1.300 (33)	.807 (20,5)	.354 (9)	.511 (13)	.394 (10)	10
87211 00 002	87211-02-04	1/8	1/4	.275 (7)	1.300 (33)	.787 (20)	.354 (9)	.591 (15)	.394 (10)	10
*87216 00 002	*87216-53-32	5/32 (4)	10/32	.157 (4)	1.300 (33)	.709 (18)	.354 (9)	.315 (8)	.394 (10)	10
87211 00 003	87211-53-02	5/32 (4)	1/8	.216 (5,5)	1.300 (33)	.787 (20)	.354 (9)	.511 (13)	.394 (10)	10
87211 00 004	87211-53-04	5/32 (4)	1/4	.275 (7)	1.300 (33)	.846 (21,5)	.354 (9)	.591 (15)	.394 (10)	10
*87216 00 003	*87216-04-32	1/4	10/32	.157 (4)	1.654 (42)	.807 (20,5)	.433 (11)	.433 (11)	.492 (12,5)	10
87211 00 005	87211-04-02	1/4	1/8	.216 (5,5)	1.574 (40)	.846 (21,5)	.433 (11)	.511 (13)	.493 (12,5)	10
87211 00 006	87211-04-04	1/4	1/4	.275 (7)	1.574 (40)	.905 (23)	.433 (11)	.629 (16)	.493 (12,5)	10
87211 00 014	87211-04-06	1/4	3/8	.295 (7,5)	1.574 (40)	.925 (23,5)	.433 (11)	.669 (17)	.493 (12,5)	10
87211 00 013	87211-06-02	3/8	1/8	.216 (5,5)	2.047 (52)	1.023 (26)	.551 (14)	.551 (14)	.669 (17,5)	10
87211 00 007	87211-06-04	3/8	1/4	.275 (7)	2.047 (52)	1.122 (28,5)	.551 (14)	.630 (16)	.669 (17,5)	10
87211 00 008	87211-06-06	3/8	3/8	.295 (7,5)	2.047 (52)	1.102 (28)	.551 (14)	.669 (17)	.669 (17,5)	10
87211 00 009	87211-06-08	3/8	1/2	.354 (9)	2.047 (52)	1.141 (29)	.551 (14)	.827 (21)	.669 (17,5)	10
87211 00 010	87211-08-04	1/2	1/4	.275 (7)	2.402 (61)	1.224 (31,1)	.630 (16)	.630 (16)	.846 (21,5)	10
87211 00 011	87211-08-06	1/2	3/8	.295 (7,5)	2.402 (61)	1.145 (29,1)	.630 (16)	.669 (17)	.846 (21,5)	10
87211 00 012	87211-08-08	1/2	1/2	.354 (9)	2.402 (61)	1.244 (31,6)	.630 (16)	.827 (21)	.846 (21,5)	10

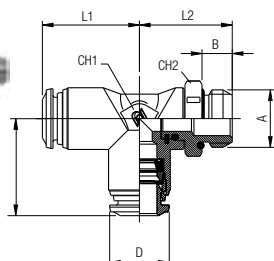
87223

SWIVEL RUN TEE



* For part numbers with 10-32 threads
87226

UNF

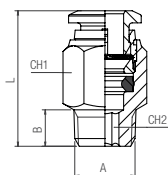


Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	D	Pack
*87226 00 001	*87226-02-32	1/8	10/32	.177 (4,5)	.650 (16,5)	.748 (19)	.354 (9)	.315 (8)	.394 (10)	10
87223 00 001	87223-02-02	1/8	1/8	.216 (5,5)	.650 (16,5)	.728 (18,5)	.354 (9)	.511 (13)	.394 (10)	10
87223 00 002	87223-02-04	1/8	1/4	.334 (7)	.650 (16,5)	.807 (20,5)	.354 (9)	.591 (15)	.394 (10)	10
*87226 00 002	*87226-53-32	5/32 (4)	10/32	.177 (4,5)	.670 (17)	.709 (18)	.354 (9)	.315 (8)	.394 (10)	10
87223 00 003	87223-53-02	5/32 (4)	1/8	.216 (5,5)	.649 (17)	.787 (20)	.354 (9)	.511 (13)	.394 (10)	10
87223 00 004	87223-53-04	5/32 (4)	1/4	.275 (7)	.649 (17)	.846 (21,5)	.354 (9)	.591 (15)	.394 (10)	10
*87226 00 003	*87226-04-32	1/4	10/32	.177 (4,5)	.827 (21)	.807 (20,5)	.433 (11)	.433 (11)	.492 (12,5)	10
87223 00 005	87223-04-02	1/4	1/8	.216 (5,5)	.846 (21,5)	.846 (21,5)	.433 (11)	.511 (13)	.493 (12,5)	10
87223 00 006	87223-04-04	1/4	1/4	.275 (7)	.846 (21,5)	.905 (23)	.433 (11)	.591 (15)	.493 (12,5)	10
87223 00 007	87223-04-06	1/4	3/8	.295 (7,5)	.846 (21,5)	.925 (23,5)	.433 (11)	.669 (17)	.493 (12,5)	10
87223 00 008	87223-05-02	3/8	1/8	.216 (5,5)	1.062 (27)	1.023 (26)	.551 (14)	.551 (14)	.669 (17,5)	10
87223 00 009	87223-05-04	3/8	1/4	.275 (7)	1.062 (27)	1.122 (28,5)	.551 (14)	.630 (16)	.669 (17,5)	10
87223 00 010	87223-05-06	3/8	3/8	.295 (7,5)	1.062 (27)	1.102 (28)	.551 (14)	.512 (13)	.669 (17,5)	10
87223 00 011	87223-06-02	3/8	1/2	.354 (9)	1.062 (27)	1.141 (29)	.551 (14)	.827 (21)	.669 (17,5)	10
87223 00 012	87223-06-04	5/16 (8)	3/8	.295 (7,5)	.886 (22,5)	.964 (24,5)	.512 (13)	.512 (13)	.669 (17)	10
87223 00 013	87223-06-06	5/16 (8)	1/4	.275 (7)	.886 (22,5)	.984 (24)	.512 (13)	.591 (15)	.591 (15)	10
87223 00 014	87223-06-08	5/16 (8)	1/8	.216 (5,5)	.886 (22,5)	.984 (24)	.512 (13)	.512 (13)	.511 (13)	10
87223 00 015	87223-08-04	1/2	1/4	.275 (7)	1.240 (31,5)	1.224 (31,1)	.630 (16)	.630 (16)	.846 (21,5)	10
87223 00 016	87223-08-06	1/2	3/8	.295 (7,5)	1.240 (31,5)	1.145 (29,1)	.630 (16)	.787 (20)	.846 (21,5)	10
87223 00 017	87223-08-08	1/2	1/2	.354 (9)	1.240 (31,5)	1.244 (31,6)	.630 (16)	.827 (21)	.846 (21,5)	10

87007

STRAIGHT MALE

PTF

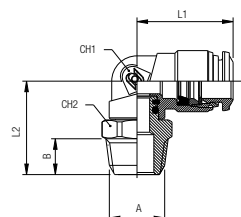


Code	Usa Ref	Tube	A	B	L	CH1	CH2	Pack
87007 00 003	88007-53-02	5/32(4)	1/8	.276(7)	.768(19,5)	.433(11)	.118(3)	10
87007 00 004	88007-53-04	5/32(4)	1/4	.413(10,5)	.886(22,5)	.551(14)	.118(3)	10
87007 00 005	88007-04-02	1/4	1/8	.276(7)	.886(22,5)	.512(13)	.157(4)	10
87007 00 006	88007-04-04	1/4	1/4	.413(10,5)	.965(24,5)	.551(14)	.157(4)	10

88117

SWIVEL ELBOW

PTF

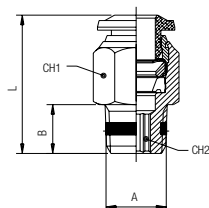


Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	Pack
87117 00 003	88117-53-02	5/32(4)	1/8	.276(7)	.708(18)	.768(19,5)	.354(9)	.512(13)	10
87117 00 004	88117-53-04	5/32(4)	1/4	.413(10,5)	.708(18)	.905(23)	.354(9)	.591(15)	10
87117 00 005	88117-04-02	1/4	1/8	.276(7)	.827(21)	.846(21,5)	.433(11)	.512(13)	10
87117 00 006	88117-04-04	1/4	1/4	.413(10,5)	.827(21)	.984(25)	.433(11)	.591(15)	10

88000

STRAIGHT MALE

NPTF

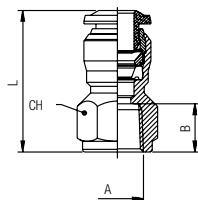


Code	Usa Ref	Tube	A	B	L	CH1	CH2	Pack
88000 00 001	88000-02-02	1/8	1/8	.335 (8,5)	.768 (19,5)	.433 (11)	.079 (2)	10
88000 00 002	88000-02-04	1/8	1/4	.512 (13)	.965 (24,5)	.551 (14)	.079 (2)	10
88000 00 003	88000-53-02	5/32 (4)	1/8	.335 (8,5)	.826 (21)	.433 (11)	.118 (3)	10
88000 00 004	88000-53-04	5/32 (4)	1/4	.512 (13)	.984 (25)	.551 (14)	.118 (3)	10
88000 00 005	88000-04-02	1/4	1/8	.335 (8,5)	1.043 (26)	.512 (13)	.157 (4)	10
88000 00 006	88000-04-04	1/4	1/4	.512 (13)	1.062 (27)	.551 (14)	.157 (4)	10
88000 00 007	88000-04-06	1/4	3/8	.512 (13)	1.141 (29)	.709 (18)	.157 (4)	10
88000 00 008	88000-05-02	5/16 (8)	1/8	.335 (8,5)	1.062 (27)	.551 (14)	.197 (5)	10
88000 00 009	88000-05-04	5/16 (8)	1/4	.512 (13)	1.082 (27,5)	.551 (14)	.236 (6)	10
88000 00 010	88000-05-06	5/16 (8)	3/8	.512 (13)	1.082 (27,5)	.709 (18)	.236 (6)	10
88000 00 011	88000-06-02	3/8	1/8	.335 (8,5)	1.259 (32)	.669 (17)	.197 (5)	10
88000 00 012	88000-06-04	3/8	1/4	.512 (13)	1.319 (33,5)	.669 (17)	.276 (7)	10
88000 00 013	88000-06-06	3/8	3/8	.512 (13)	1.319 (33,5)	.709 (18)	.276 (7)	10
88000 00 014	88000-06-08	3/8	1/2	.669 (17)	1.319 (33,5)	.866 (22)	.276 (7)	10
88000 00 015	88000-08-04	1/2	1/4	.512 (13)	1.535 (39)	.787 (20)	.197 (5)	10
88000 00 016	88000-08-06	1/2	3/8	.512 (13)	1.417 (36)	.787 (20)	.354 (9)	10
88000 00 017	88000-08-08	1/2	1/2	.669 (17)	1.575 (40)	.866 (22)	.394 (10)	10

88030

STRAIGHT FEMALE

NPTF

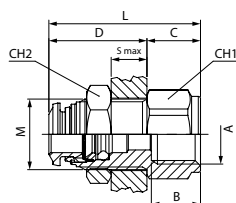


Code	Usa Ref	Tube	A	B	L	CH	Pack
88030 00 001	88030-02-02	1/8	1/8	.374 (9,5)	.945 (24)	.512 (13)	10
88030 00 002	88030-02-04	1/8	1/4	.531 (13,5)	1.142 (29)	.630 (16)	10
88030 00 003	88030-53-02	5/32 (4)	1/8	.374 (9,5)	.984 (25)	.512 (13)	10
88030 00 004	88030-53-04	5/32 (4)	1/4	.531 (13,5)	1.181 (30)	.630 (16)	10
88030 00 005	88030-04-02	1/4	1/8	.374 (9,5)	1.082 (27,5)	.512 (13)	10
88030 00 006	88030-04-04	1/4	1/4	.512 (13)	1.279 (32,5)	.630 (16)	10
88030 00 007	88030-06-04	3/8	1/4	.531 (13,5)	1.397 (35,5)	.709 (18)	10
88030 00 008	88030-06-06	3/8	3/8	.531 (13,5)	1.397 (35,5)	.787 (20)	10

88055

FEMALE BULKHEAD CONNECTOR

NPTF

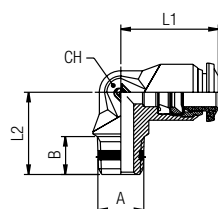


Code	Usa Ref	Tube	A	B	M	S max	CH1	CH2	C	D	L	Pack
88055 00 001	88055-53-02	5/32 (4)	1/8	.374 (9,5)	M12X1	.275 (7)	.591 (15)	.669 (17)	.394 (10)	.748 (19)	1.141 (29)	10
88055 00 009	88055-53-04	5/32 (4)	1/4	.531 (13,5)	M12X1	.275 (7)	.630 (16)	.669 (17)	.591 (15)	.748 (19)	1.339 (34)	10
88055 00 002	88055-04-02	1/4	1/8	.374 (9,5)	M14X1	.315 (8)	.630 (16)	.669 (17)	.394 (10)	.826 (21)	1.221 (31)	10
88055 00 003	88055-04-04	1/4	1/4	.531 (13,5)	M14X1	.315 (8)	.630 (16)	.669 (17)	.591 (15)	.826 (21)	1.417 (36)	10
88055 00 010	88055-04-06	1/4	3/8	.531 (13,5)	M14X1	.315 (8)	.787 (20)	.669 (17)	.591 (15)	.826 (21)	1.417 (36)	10
88055 00 004	88055-05-02	5/16 (8)	1/8	.374 (9,5)	M16X1	.315 (8)	.709 (18)	.748 (19)	.394 (10)	.866 (22)	1.260 (32)	10
88055 00 005	88055-05-04	5/16 (8)	1/4	.531 (13,5)	M16X1	.315 (8)	.709 (18)	.748 (19)	.472 (12)	.866 (22)	1.339 (34)	10
88055 00 011	88055-05-06	5/16 (8)	3/8	.531 (13,5)	M16X1	.315 (8)	.787 (20)	.748 (19)	.591 (15)	.866 (22)	1.457 (37)	10
88055 00 006	88055-06-06	3/8	3/8	.531 (13,5)	M20X1	.374 (9,5)	.945 (24)	.945 (24)	.551 (14)	1.003 (25,5)	1.557 (39,5)	10
88055 00 007	88055-08-06	1/2	3/8	.531 (13,5)	M22X1	.413 (10,5)	.945 (24)	1.024 (26)	.591 (15)	1.083 (27,5)	1.673 (42,5)	10
88055 00 008	88055-08-08	1/2	1/2	.690 (17,5)	M22X1	.413 (10,5)	.945 (24)	1.024 (26)	.787 (20)	1.083 (27,5)	1.870 (47,5)	10

88100

FIXED ELBOW

NPTF

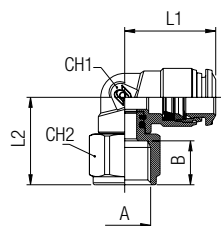


Code	Usa Ref	Tube	A	B	L1	L2	CH1	Pack
88100 00 001	88100-04-02	1/4	1/8	.335 (8,5)	.846 (21,5)	.728 (18,5)	.433 (11)	10
88100 00 002	88100-04-04	1/4	1/4	.512 (13)	.846 (21,5)	.905 (23)	.433 (11)	10
88100 00 003	88100-06-04	3/8	1/4	.512 (13)	1.062 (27)	1.043 (26,5)	.630 (16)	10
88100 00 004	88100-06-06	3/8	3/8	.512 (13)	1.062 (27)	1.004 (25,5)	.688 (17)	10

88106

FEMALE ELBOW

NPTF

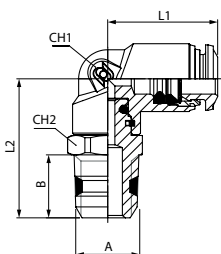


Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	Pack
88106 00 001	88106-53-02	5/32 (4)	1/8	.374 (9,5)	.689 (17,5)	.775 (19,7)	.354 (9)	.511 (13)	10
88106 00 002	88106-53-04	5/32 (4)	1/4	.531 (13,5)	.689 (17,5)	.933 (23,7)	.354 (9)	.629 (16)	10
88106 00 003	88106-04-02	1/4	1/8	.374 (9,5)	.846 (21,5)	.842 (21,4)	.433 (11)	.511 (13)	10
88106 00 004	88106-04-04	1/4	1/4	.531 (13,5)	.846 (21,5)	1.000 (25,4)	.433 (11)	.629 (16)	10
88106 00 005	88106-06-02	3/8	1/8	.374 (9,5)	1.062 (27)	.952 (24,2)	.511 (13)	.511 (13)	10
88106 00 006	88106-06-04	3/8	1/4	.531 (13,5)	1.062 (27)	1.110 (28,2)	.629 (16)	.629 (16)	10

88111

SWIVEL ELBOW

NPTF

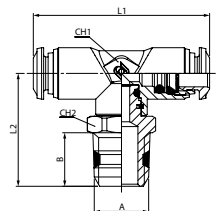


Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	Pack
88111 00 001	88111-02-02	1/8	1/8	.335 (8,5)	.669 (17)	.826 (21)	.354 (9)	.512 (13)	10
88111 00 002	88111-02-04	1/8	1/4	.512 (13)	.669 (17)	1.003 (25,5)	.354 (9)	.591 (15)	10
88111 00 003	88111-53-02	5/32 (4)	1/8	.335 (8,5)	.669 (17)	.826 (21)	.354 (9)	.512 (13)	10
88111 00 004	88111-53-04	5/32 (4)	1/4	.512 (13)	.669 (17)	1.003 (25,5)	.354 (9)	.591 (15)	10
88111 00 005	88111-04-02	1/4	1/8	.335 (8,5)	.827 (21)	.905 (23)	.433 (11)	.512 (13)	10
88111 00 006	88111-04-04	1/4	1/4	.512 (13)	.827 (21)	1.082 (27,5)	.433 (11)	.591 (15)	10
88111 00 007	88111-04-06	1/4	3/8	.512 (13)	.827 (21)	1.082 (27,5)	.433 (11)	.709 (18)	10
88111 00 008	88111-05-02	5/16 (8)	1/8	.335 (8,5)	.886 (22,5)	1.003 (25,5)	.472 (12)	.512 (13)	10
88111 00 009	88111-05-04	5/16 (8)	1/4	.512 (13)	.886 (22,5)	1.122 (28,5)	.472 (12)	.591 (15)	10
88111 00 010	88111-05-06	5/16 (8)	3/8	.512 (13)	.886 (22,5)	1.122 (28,5)	.472 (12)	.709 (18)	10
88111 00 011	88111-06-02	3/8	1/8	.335 (8,5)	1.043 (26,5)	1.082 (27,5)	.551 (14)	.551 (14)	10
88111 00 012	88111-06-04	3/8	1/4	.512 (13)	1.043 (26,5)	1.299 (33)	.551 (14)	.591 (15)	10
88111 00 013	88111-06-06	3/8	3/8	.512 (13)	1.043 (26,5)	1.259 (32)	.551 (14)	.709 (18)	10
88111 00 014	88111-06-08	3/8	1/2	.669 (17)	1.043 (26,5)	1.397 (35,5)	.551 (14)	.866 (22)	10
88111 00 015	88111-08-04	1/2	1/4	.512 (13)	1.201 (30,5)	1.346 (34,2)	.630 (16)	.630 (16)	10
88111 00 016	88111-08-06	1/2	3/8	.512 (13)	1.201 (30,5)	1.248 (31,7)	.630 (16)	.749 (19)	10
88111 00 017	88111-08-08	1/2	1/2	.669 (17)	1.201 (30,5)	1.444 (36,7)	.630 (16)	.866 (22)	10

88211

SWIVEL BRANCH TEE

NPTF

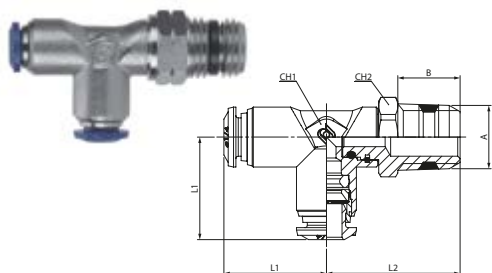


Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	Pack
88211 00 001	88211-02-02	1/8	1/8	.335 (8,5)	1.299 (33)	.807 (20,5)	.354 (9)	.512 (13)	10
88211 00 002	88211-02-04	1/8	1/4	.512 (13)	1.299 (33)	.984 (25)	.354 (9)	.591 (15)	10
88211 00 003	88211-53-02	5/32 (4)	1/8	.335 (8,5)	1.299 (33)	.846 (21,5)	.354 (9)	.512 (13)	10
88211 00 004	88211-53-04	5/32 (4)	1/4	.512 (13)	1.299 (33)	1.023 (26)	.354 (9)	.591 (15)	10
88211 00 005	88211-04-02	1/4	1/8	.335 (8,5)	1.654 (42)	.905 (23)	.433 (11)	.512 (13)	10
88211 00 006	88211-04-04	1/4	1/4	.512 (13)	1.654 (42)	1.082 (27,5)	.433 (11)	.591 (15)	10
88211 00 008	88211-05-02	5/16 (8)	1/8	.335 (8,5)	1.771 (45)	1.161 (26,5)	.512 (13)	.512 (13)	10
88211 00 009	88211-05-04	5/16 (8)	1/4	.512 (13)	1.771 (45)	1.161 (29,5)	.512 (13)	.591 (15)	10
88211 00 010	88211-05-06	5/16 (8)	3/8	.512 (13)	1.771 (45)	1.161 (29,5)	.512 (13)	.709 (18)	10
88211 00 012	88211-06-04	3/8	1/4	.512 (13)	2.087 (53)	1.299 (33)	.551 (14)	.591 (15)	10
88211 00 013	88211-06-06	3/8	3/8	.512 (13)	2.087 (53)	1.259 (32)	.551 (14)	.709 (18)	10
88211 00 014	88211-06-08	3/8	1/2	.669 (17)	2.087 (53)	1.397 (35,5)	.551 (14)	.866 (22)	10
88211 00 015	88211-08-04	1/2	1/4	.512 (13)	2.402 (61)	1.399 (35,6)	.630 (16)	.630 (16)	10
88211 00 016	88211-08-06	1/2	3/8	.512 (13)	2.402 (61)	1.303 (33,1)	.630 (16)	.749 (19)	10
88211 00 017	88211-08-08	1/2	1/2	.669 (17)	2.402 (61)	1.500 (38,1)	.630 (16)	.866 (22)	10

88223

SWIVEL RUN TEE

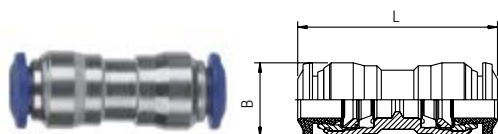
NPTF



Code	Usa Ref	Tube	A	B	L1	L2	CH1	CH2	Pack
88223 00 001	88223-02-02	1/8	1/8	.335 (8,5)	.669 (17)	.807 (20,5)	.354 (9)	.512 (13)	10
88223 00 002	88223-02-04	1/8	1/4	.511 (13)	.669 (17)	.984 (25)	.354 (9)	.591 (15)	10
88223 00 003	88223-53-02	5/32 (4)	1/8	.335 (8,5)	.669 (17)	.846 (21,5)	.354 (9)	.512 (13)	10
88223 00 004	88223-53-04	5/32 (4)	1/4	.511 (13)	.669 (17)	1.023 (26)	.354 (9)	.591 (15)	10
88223 00 005	88223-04-02	1/4	1/8	.335 (8,5)	.827 (21)	.905 (23)	.433 (11)	.512 (13)	10
88223 00 006	88223-04-04	1/4	1/4	.511 (13)	.827 (21)	1.082 (27,5)	.433 (11)	.591 (15)	10
88223 00 008	88223-05-02	5/16 (8)	1/8	.335 (8,5)	.886 (22,5)	1.003 (25,5)	.512 (13)	.512 (13)	10
88223 00 009	88223-05-04	5/16 (8)	1/4	.511 (13)	.886 (22,5)	1.122 (28,5)	.512 (13)	.591 (15)	10
88223 00 010	88223-05-06	5/16 (8)	3/8	.511 (13)	.886 (22,5)	1.122 (28,5)	.512 (13)	.709 (18)	10
88223 00 012	88223-06-04	3/8	1/4	.511 (13)	1.043 (26,5)	1.299 (33)	.551 (14)	.591 (15)	10
88223 00 013	88223-06-06	3/8	3/8	.511 (13)	1.043 (26,5)	1.259 (32)	.551 (14)	.709 (18)	10
88223 00 014	88223-06-08	3/8	1/2	.669 (17)	1.043 (26,5)	1.397 (35,5)	.551 (14)	.866 (22)	10
88223 00 015	88223-08-04	1/2	1/4	.512 (13)	1.201 (30,5)	1.399 (35,6)	.630 (16)	.630 (16)	10
88223 00 016	88223-08-06	1/2	3/8	.511 (13)	1.201 (30,5)	1.303 (33,1)	.630 (16)	.749 (19)	10
88223 00 017	88223-08-08	1/2	1/2	.669 (17)	1.201 (30,5)	1.500 (38,1)	.630 (16)	.866 (22)	10

88040

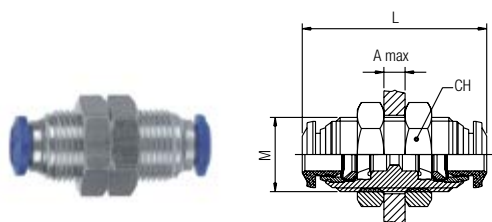
UNION



Code	Usa Ref	Tube	Tube	B	L	Pack
88040 00 001	88040-02	1/8		.335 (8,5)	1.024 (26)	10
88040 00 002	88040-53	5/32 (4)		.413 (10,5)	1.181 (30)	10
88040 00 007	88040-04-53	1/4	5/32 (4)	.492 (12,5)	1.279 (32,5)	10
88040 00 003	88040-04	1/4		.492 (12,5)	1.378 (35)	10
88040 00 004	88040-05	5/16 (8)		.571 (14,5)	1.465 (37)	10
88040 00 009	88040-06-04	3/8	1/4	.688 (17,5)	1.555 (39,5)	10
88040 00 005	88040-06	3/8		.688 (17,5)	1.693 (43)	10
88040 00 011	88040-06-08	3/8	1/2	.807 (20,5)	1.850 (47)	10
88040 00 006	88040-08	1/2		.807 (20,5)	1.909 (48,5)	10

88050

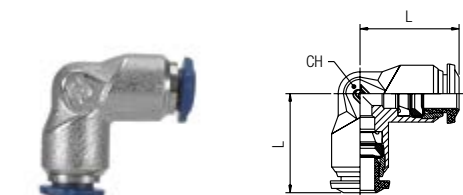
BULKHEAD UNION



Code	Usa Ref	Tube	M	L	CH	A max	Pack
88050 00 001	88050-02	1/8	M10X1	1.024 (26)	.551 (14)	.197 (5)	10
88050 00 002	88050-53	5/32 (4)	M12X1	1.220 (32)	.669 (17)	.276 (7)	10
88050 00 003	88050-04	1/4	M14X1	1.418 (36)	.669 (17)	.374 (9,5)	10
88050 00 004	88050-05	5/16 (8)	M16X1	1.476 (37,5)	.748 (19)	.413 (10,5)	10
88050 00 005	88050-06	3/8	M20X1	1.732 (44)	.945 (24)	.492 (12,5)	10
88050 00 006	88050-08	1/2	M22X1	1.929 (49)	1.024 (26)	.650 (16,5)	10

88130

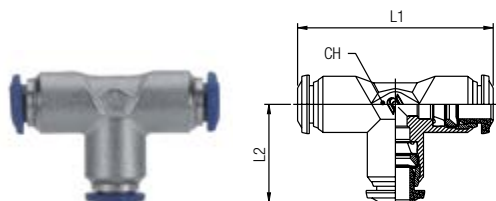
UNION ELBOW



Code	Usa Ref	Tube	L	CH	Pack
88130 00 001	88130-02	1/8	.669 (17)	.354 (9)	10
88130 00 002	88130-53	5/32 (4)	.669 (17)	.354 (9)	10
88130 00 003	88130-04	1/4	.827 (21)	.433 (11)	10
88130 00 004	88130-05	5/16 (8)	.905 (23)	.512 (13)	10
88130 00 005	88130-06	3/8	1.043 (26,5)	.630 (16)	10
88130 00 006	88130-08	1/2	1.201 (30,5)	.748 (19)	10

88230

UNION TEE



Code	Usa Ref	Tube	L1	L2	CH	Pack
88230 00 001	88230-02	1/8	1.299 (33)	.669 (17)	.354 (9)	10
88230 00 002	88230-53	5/32 (4)	1.339 (34)	.669 (17)	.354 (9)	10
88230 00 003	88230-04	1/4	1.654 (42)	.827 (21)	.433 (11)	10
88230 00 004	88230-05	5/16 (8)	1.772 (45)	.886 (22,5)	.512 (13)	10
88230 00 005	88230-06	3/8	2.087 (53)	1.043 (26,5)	.630 (16)	10
88230 00 006	88230-08	1/2	2.402 (61)	1.201 (30,5)	.748 (19)	10

88310

UNION Y



Code	Usa Ref	Tube	A	L	CH	Pack
88310 00 001	88310-02	1/8	.394 (10)	1.142 (29)	.433 (11)	10
88310 00 002	88310-53	5/32 (4)	.433 (11)	1.260 (32)	.433 (11)	10
88310 00 003	88310-04	1/4	.531 (13,5)	1.437 (36,5)	.511 (13)	10
88310 00 004	88310-05	5/16 (8)	.610 (15,5)	1.514 (41)	.511 (13)	10
88310 00 005	88310-06	3/8	.728 (18,5)	1.890 (48)	.708 (18)	10

NPTF BANJO STEM ASSEMBLIES

Examples of various banjo stems with single and double banjo bodies

BANJO STEM

Part No.

81410

81420

81430



NYLON WASHER



BANJO BODY

INCH

OR METRIC



NYLON WASHER



ADAPTER



Single
banjo stem

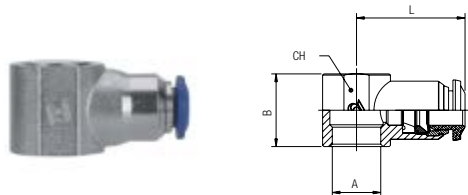
Double
banjo stem

Triple
banjo stem

With nylon banjo body remove the washer.

88500

SINGLE BANJO BODY

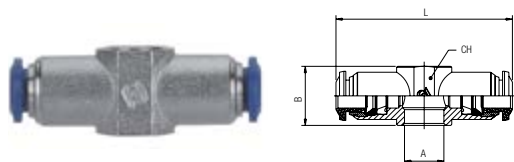


Code	Usa Ref	Tube	A	B	L	CH	Pack
88500 00 002	88500-02-02	1/8	1/8	.591 (15)	.767 (19,5)	.551 (14)	10
88500 00 001	88500-53-32	5/32 (4)	10/32	.492 (12,5)	.748 (19)	-	10
88500 00 003	88500-53-02	5/32 (4)	1/8	.591 (15)	.827 (21)	.551 (14)	10
88500 00 004	88500-04-02	1/4	1/8	.591 (15)	.885 (22,5)	.551 (14)	10
88500 00 005	88500-04-04	1/4	1/4	.669 (17)	.984 (25)	.709 (18)	10
88500 00 006	88500-06-04	3/8	1/4	.669 (17)	1.142 (29)	.709 (18)	10
88500 00 007	88500-06-06	3/8	3/8	.787 (20)	1.201 (30,5)	.827 (21)	10
88500 00 008	88500-08-06	1/2	3/8	.787 (20)	1.259 (32)	.827 (21)	10
88500 00 009	88500-08-08	1/2	1/2	.944 (24)	1.377 (35)	.984 (25)	10

For BANJO STEM assemblies

88510

DOUBLE BANJO BODY

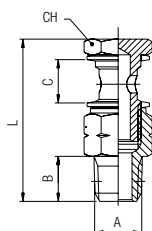


Code	Usa Ref	Tube	A	B	L	CH	Pack
88510 00 001	88510-53-32	5/32 (4)	10/32	.492 (12,5)	1.496 (38)	-	10
88510 00 004	88510-04-02	1/4	1/8	.591 (15)	1.732 (44)	.551 (14)	10
88510 00 005	88510-04-04	1/4	1/4	.669 (17)	1.968 (50)	.709 (18)	10

For BANJO STEM assemblies

81410

SINGLE BANJO STEM



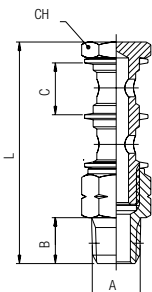
NPTF

UNF

Code	Usa Ref	A	B	C	L	CH	Pack
81410 00 011	81410-32	10/32 UNF	.177 (4,5)	.492 (15,5)	1.200 (30,5)	.315 (8)	10
81410 00 012	81410-02	1/8	.334 (8,5)	.591 (15)	1.653 (42)	.551 (14)	10
81410 00 013	81410-04	1/4	.511 (13)	.669 (17)	2.047 (52)	.669 (17)	10
81410 00 014	81410-06	3/8	.511 (13)	.787 (20)	2.106 (53,5)	.748 (19)	10

81420

DOUBLE BANJO STEM

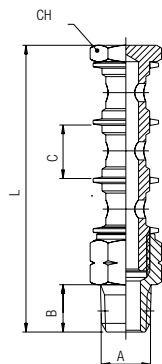


NPTF

Code	Usa Ref	A NPTF	B	C	L	CH	Pack
81420 00 012	81420-02	1/8	.334 (8,5)	.591 (15)	2.283 (58)	.551 (14)	10
81420 00 013	81420-04	1/4	.511 (13)	.669 (17)	2.755 (70)	.669 (17)	10
81420 00 014	81420-06	3/8	.511 (13)	.787 (20)	3.031 (77)	.748 (19)	10

81430

TRIPLE BANJO STEM

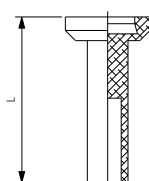


NPTF

Code	Usa Ref	A NPTF	B	C	L	CH	Pack
81430 00 012	81430-02	1/8	.334 (8,5)	.591 (15)	2.913 (74)	.551 (14)	10
81430 00 013	81430-04	1/4	.511 (13)	.669 (17)	3.464 (88)	.669 (17)	10
81430 00 014	81430-06	3/8	.511 (13)	.787 (20)	3.897 (99)	.748 (19)	10

88610

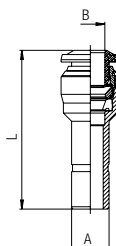
NYLON PLUG



Code	Usa Ref	Tube	L	Pack
88610 00 31 02 NE	88610B-02	1/8	.708 (18)	10
88610 00 31 27 NE	88610B-53	5/32 (4)	.925 (23,5)	10
88610 00 31 03 NE	88610B-04	1/4	.964 (24,5)	10
88610 00 31 28 NE	88610B-05	5/16 (8)	1.023 (26)	10
88610 00 31 04 NE	88610B-06	3/8	1.122 (28,5)	10
88610 00 31 05 NE	88610B-08	1/2	1.122 (28,5)	10

88700

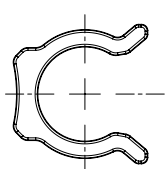
TUBE REDUCER



Code	Usa Ref	A	B	L	Pack
88700 00 001	88700-04-02	1/4	1/8	1.181 (30)	10
88700 00 002	88700-04-53	1/4	5/32 (4)	1.181 (30)	10
88700 00 003	88700-06-04	3/8	1/4	1.377 (35)	10
88700 00 004	88700-08-04	1/2	1/4	1.693 (43)	10
88700 00 005	88700-08-06	1/2	3/8	1.693 (43)	10

50980

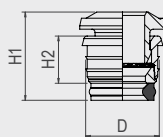
SECURITY CLIP



Code	Usa Ref	Tube	Pack.
50980 00 32 X1 RO	50980-53	5/32 (4)	50
50980 00 32 X4 RO	50980-04	1/4 (6)	50
50980 00 32 X7 RO	50980-05	5/16 (8)	50
50980 00 32 X9 RO	50980-06	3/8 (10)	50
50980 00 32 Y1 RO	50980-08	1/2 (12)	50

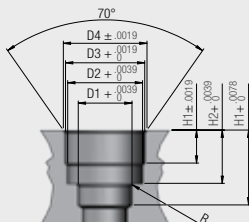
87800

PUSH-FIT CARTRIDGES



Code	Usa Ref	Tube	H1	H2	D	Pack
87800 00 001	87800-02	1/8	.382 (9,7)	.197 (5)	.264 (6,7)	25
87800 00 002	87800-53	5/32 (4)	.433 (11)	.220 (5,6)	.343 (8,7)	25
87800 00 003	87800-04	1/4	.528 (13,4)	.272 (6,9)	.423 (10,75)	25
87800 00 004	87800-05	5/16 (8)	.528 (13,4)	.270 (6,85)	.500 (12,7)	25
87800 00 005	87800-06	3/8	.630 (16)	.335 (8,5)	.618 (15,7)	25
87800 00 006	87800-08	1/2	.720 (18,3)	.374 (9,5)	.720 (18,3)	25

SEAT



Seats dimensions push-fit cartridges.

Tube	D1	D2	D3	D4	H1	H2	H3	R
1/8 (3)	.134 (3,4)	.238 (6,05)	.252 (6,4)	.274 (6,95)	.146 (3,7)	.240 (6,1)	.339 (8,6)	.020 (0,5)
5/32 (4)	.165 (4,2)	.293 (7,45)	.331 (8,4)	.354 (9)	.148 (3,75)	.256 (6,5)	.374 (9,5)	.020 (0,5)
1/4 (6.6)	.259 (6,6)	.368 (9,35)	.411 (10,45)	.447 (11,35)	.197 (5)	.335 (8,5)	.453 (11,5)	.020 (0,5)
5/16 (8)	.323 (8,2)	.449 (11,4)	.488 (12,4)	.508 (12,9)	.205 (5,2)	.335 (8,5)	.492 (12,5)	.030 (0,75)
3/8 (9.7)	.381 (9,7)	.571 (14,5)	.606 (15,4)	.630 (16)	.264 (6,7)	.413 (10,5)	.591 (15)	.030 (0,75)
1/2 (13)	.511 (13)	.669 (17)	.709 (18)	.748 (19)	.295 (7,5)	.476 (12,1)	.669 (17)	.039 (1)

55801

TOOL FOR PUSH-FIT CARTRIDGES SEAT



Code	Usa Ref	Tube	ø Body
55801 00 007	55801-3	1/8 (3)	.394 (10)
55801 00 001	55801-4	5/32 (4)	.394 (10)
87801 00 002	87801-04	1/4	.472 (12)
55801 00 003	55801-8	5/16 (8)	.472 (12)
87801 00 003	87801-06	3/8	.630 (16)
87801 00 004	87801-8	1/2	.630 (16)

55802

TOOL FOR PUSH-FIT CARTRIDGES SEAT



Code	Usa Ref	Tube
55802 00 001	55802-3	1/8
55802 00 002	55802-4	5/32 (4)
55802 00 004	55802-6	1/4 (6)
55802 00 005	55802-8	5/16 (8)
55802 00 006	55802-10	3/8 (10)
55802 00 007	55802-12	1/2 (12)

PUSH-FIT CARTRIDGE ASSEMBLING INSTRUCTIONS ART. 87800

1

Use tool to drill into material to create the seat for the Push-Fit Cartridge.



2

Insert lip seal.



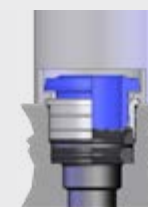
3

Insert cartridge into the assembling tool.



4

Press cartridge into the seat until it stops.



FITTING KITS

87861-02

FITTING KIT - 1/8 TUBE



Code	Usa Ref	Description	Qty
87000 00 001	87000-02-02	Straight Male - 1/8 Tube x 1/8 Male	5
87000 00 002	87000-02-04	Straight Male - 1/8 Tube x 1/4 Male	5
87000 00 005	87000-04-02	Straight Male - 1/4 Tube x 1/8 Male	5
87111 00 001	87111-02-02	Swivel Elbow - 1/8 Tube x 1/8 Male	5
87111 00 002	87111-02-04	Swivel Elbow - 1/8 Tube x 1/4 Male	5
87111 00 005	87111-04-02	Swivel Elbow - 1/4 Tube x 1/8 Male	5
87211 00 001	87211-02-02	Swivel Branch Tee - 1/8 Tube x 1/8 Male	5
87211 00 002	87211-02-04	Swivel Branch Tee - 1/8 Tube x 1/4 Male	5
87211 00 005	87211-04-02	Swivel Branch Tee - 1/4 Tube x 1/8 Male	5
88040 00 001	88040-02	Union - 1/8 Tube	5
88130 00 001	88130-02	Union Elbow - 1/8 Tube	5
88230 00 001	88230-02	Union Tee - 1/8 Tube	5

87861-04

FITTING KIT - 1/4 TUBE



Code	Usa Ref	Description	Qty
87000 00 005	87000-04-02	Straight Male - 1/4 Tube x 1/8 Male	5
87000 00 006	87000-04-04	Straight Male - 1/4 Tube x 1/4 Male	5
87000 00 007	87000-04-06	Straight Male - 1/4 Tube x 3/8 Male	5
87111 00 005	87111-04-02	Swivel Elbow - 1/4 Tube x 1/8 Male	5
87111 00 006	87111-04-04	Swivel Elbow - 1/4 Tube x 1/4 Male	5
87111 00 007	87111-04-06	Swivel Elbow - 1/4 Tube x 3/8 Male	5
87211 00 005	87211-04-02	Swivel Branch Tee - 1/4 Tube x 1/8 Male	5
87211 00 006	87211-04-04	Swivel Branch Tee - 1/4 Tube x 1/4 Male	5
87211 00 014	87211-04-06	Swivel Branch Tee - 1/4 Tube x 3/8 Male	5
88040 00 003	88040-04	Union - 1/4 Tube	5
88130 00 003	88130-04	Union Elbow - 1/4 Tube	5
88230 00 003	88230-04	Union Tee - 1/4 Tube	5

87861-06

FITTING KIT - 3/8 TUBE



Code	Usa Ref	Description	Qty
87000 00 012	87000-06-04	Straight Male - 3/8 Tube x 1/4 Male	5
87000 00 013	87000-06-06	Straight Male - 3/8 Tube x 3/8 Male	5
87000 00 014	87000-06-08	Straight Male - 3/8 Tube x 1/2 Male	5
87111 00 012	87111-06-04	Swivel Elbow - 3/8 Tube x 1/4 Male	5
87111 00 013	87111-06-06	Swivel Elbow - 3/8 Tube x 3/8 Male	5
87111 00 014	87111-06-08	Swivel Elbow - 3/8 Tube x 1/2 Male	5
87211 00 007	87211-06-04	Swivel Branch Tee - 3/8 Tube x 1/4 Male	5
87211 00 008	87211-06-06	Swivel Branch Tee - 3/8 Tube x 3/8 Male	5
87211 00 009	87211-06-08	Swivel Branch Tee - 3/8 Tube x 1/2 Male	5
88040 00 005	88040-06	Union - 3/8 Tube	5
88130 00 005	88130-06	Union Elbow - 3/8 Tube	5
88230 00 005	88230-06	Union Tee - 3/8 Tube	5

87861-08

FITTING KIT - 1/2 TUBE



Code	Usa Ref	Description	Qty
87000 00 015	87000-08-04	Straight Male - 1/2 Tube x 1/4 Male	5
87000 00 016	87000-08-06	Straight Male - 1/2 Tube x 3/8 Male	5
87000 00 017	87000-08-08	Straight Male - 1/2 Tube x 1/2 Male	5
87111 00 015	87111-08-04	Swivel Elbow - 1/2 Tube x 1/4 Male	5
87111 00 016	87111-08-06	Swivel Elbow - 1/2 Tube x 3/8 Male	5
87111 00 017	87111-08-08	Swivel Elbow - 1/2 Tube x 1/2 Male	5
87211 00 010	87211-08-04	Swivel Branch Tee - 1/2 Tube x 1/4 Male	5
87211 00 011	87211-08-06	Swivel Branch Tee - 1/2 Tube x 3/8 Male	5
87211 00 012	87211-08-08	Swivel Branch Tee - 1/2 Tube x 1/2 Male	5
88040 00 006	88040-08	Union - 1/2 Tube	5
88130 00 006	88130-08	Union Elbow - 1/2 Tube	5
88230 00 006	88230-08	Union Tee - 1/2 Tube	5

87861-90

FITTING KIT



Code	Usa Ref	Description	Qty
87000 00 006	87000-04-04	Straight Male - 1/4 Tube x 1/4 Male	5
87000 00 013	87000-06-06	Straight Male - 3/8 Tube x 3/8 Male	5
87000 00 017	87000-08-08	Straight Male - 1/2 Tube x 1/2 Male	5
87111 00 006	87111-04-04	Swivel Elbow - 1/4 Tube x 1/4 Male	5
87111 00 013	87111-06-06	Swivel Elbow - 3/8 Tube x 3/8 Male	5
87111 00 017	87111-08-08	Swivel Elbow - 1/2 Tube x 1/2 Male	5
87211 00 006	87211-04-04	Swivel Branch Tee - 1/4 Tube x 1/4 Male	5
87211 00 008	87211-06-06	Swivel Branch Tee - 3/8 Tube x 3/8 Male	5
87211 00 012	87211-08-08	Swivel Branch Tee - 1/2 Tube x 1/2 Male	5
88040 00 003	88040-04	Union - 1/4 Tube	5
88040 00 005	88040-06	Union - 3/8 Tube	5
88040 00 006	88040-08	Union - 1/2 Tube	5
88130 00 003	88130-04	Union Elbow - 1/4 Tube	5
88130 00 005	88130-06	Union Elbow - 3/8 Tube	5
88130 00 006	88130-08	Union Elbow - 1/2 Tube	5
88230 00 003	88230-04	Union Tee - 1/4 Tube	5
88230 00 005	88230-06	Union Tee - 3/8 Tube	5
88230 00 006	88230-08	Union Tee - 1/2 Tube	5