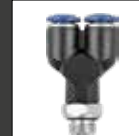


## 85 Series

|                                                                                                               |                                                                                                                |                                                                                                               |                                                                                                               |                                                                                                               |                                                                                                                |                                                                                                                 |                                                                                                                 |                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <br><b>85110</b><br>Pg. 5.5  | <br><b>85110</b><br>Pg. 5.5   | <br><b>85170</b><br>Pg. 5.5  | <br><b>85210</b><br>Pg. 5.5  | <br><b>85210</b><br>Pg. 5.5  | <br><b>85222</b><br>Pg. 5.6  | <br><b>85222</b><br>Pg. 5.6  | <br><b>85320</b><br>Pg. 5.6  | <br><b>85320</b><br>Pg. 5.6  |
| <br><b>85340</b><br>Pg. 5.7  | <br><b>85360</b><br>Pg. 5.7   | <br><b>85040</b><br>Pg. 5.7  | <br><b>85130</b><br>Pg. 5.7  | <br><b>85140</b><br>Pg. 5.8  | <br><b>85150</b><br>Pg. 5.8  | <br><b>85160</b><br>Pg. 5.8  | <br><b>85180</b><br>Pg. 5.8  | <br><b>85230</b><br>Pg. 5.8  |
| <br><b>85240</b><br>Pg. 5.9  | <br><b>85310</b><br>Pg. 5.9   | <br><b>85330</b><br>Pg. 5.9  | <br><b>85350</b><br>Pg. 5.9  | <br><b>85500</b><br>Pg. 5.10 | <br><b>85510</b><br>Pg. 5.10 | <br><b>85520</b><br>Pg. 5.10 | <br><b>85620</b><br>Pg. 5.10 | <br><b>85700</b><br>Pg. 5.11 |
| <br><b>85705</b><br>Pg. 5.11 | <br><b>88610B</b><br>Pg. 5.11 | <br><b>50980</b><br>Pg. 5.12 | <br><b>55625</b><br>Pg. 5.12 |                                                                                                               |                                                                                                                |                                                                                                                 |                                                                                                                 |                                                                                                                 |

*For STRAIGHT FITTINGS see 87-88 series*

|                                                                                                                |                                                                                                                |                                                                                                                |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <br><b>87000</b><br>Pg. 3.5 | <br><b>87010</b><br>Pg. 3.5 | <br><b>88007</b><br>Pg. 3.7 |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|

## NYLON PUSH-TO-CONNECT FITTINGS FOR INCH TUBE

**85 Series**

85000





## TECHNICAL CHARACTERISTICS



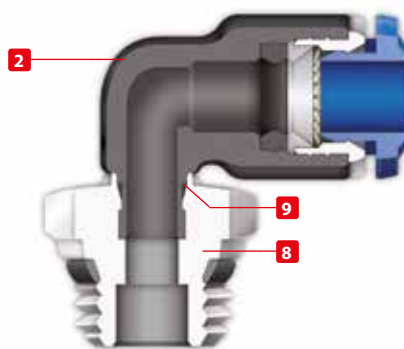
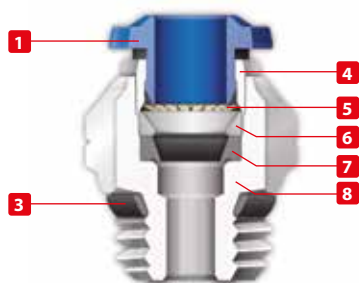
## Reference Standard

1907/2006  
REACH✓

2011/65/CE  
RoHS✓

PED  
2014/68/UE

ISO  
14743:2004

SILICON  
FREE


## 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



## Applications

- Pneumatic Automation
- Automotive
- Textile, Packaging
- Compressed Air Circuit
- Vacuum



## Advantages

- 1 The 303 Stainless Steel gripper ensures a tight clamp for tubes of any material without damaging the tube's 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 seal off the tube, creating a vacuum.
- 3 Series with several types of threads:  
**SWIFTFIT**  
**UNF**
- 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.



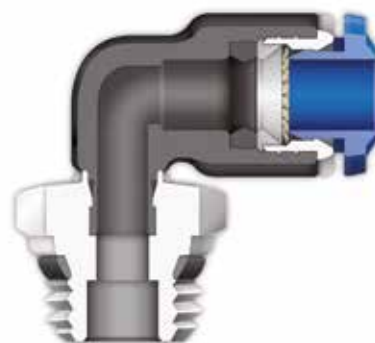
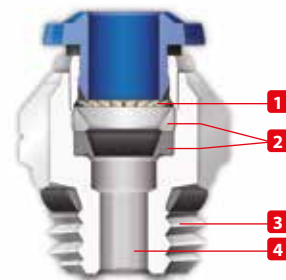
## Component Parts and Materials

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



## Tubing Compatibility

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

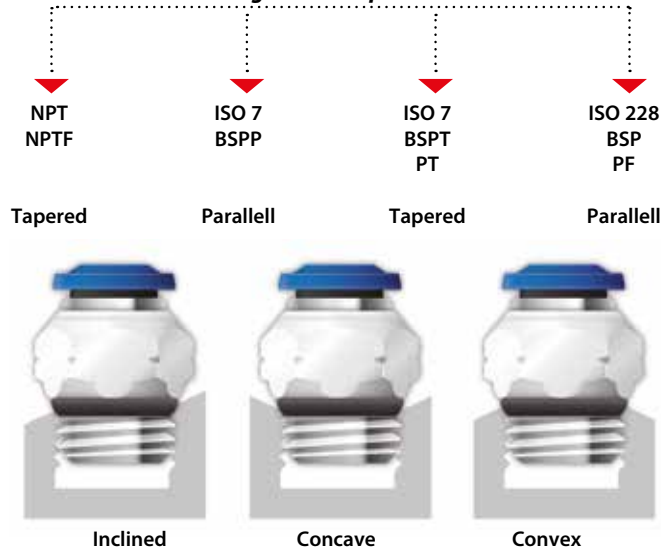




## THREADS & ADVANTAGES



*One fitting... Endless possibilities*



Our **SWIFFIT** universal fittings also work on non-flat surfaces without compromising an air-tight seal.

The **SWIFFIT** Universal Thread has been designed to offer the following advantages to the end users:

- Reduced overall length
- Smaller hex dimensions compared to parallel threads
- Fits with various parallel and tapered threads
- All **SWIFFIT** fittings have been equipped with threads and an NBR thread seal that will universally connect to all thread types.

### 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 |



## UNF Threads



The **UNF** Thread has been designed to offer the following advantages to the end users:

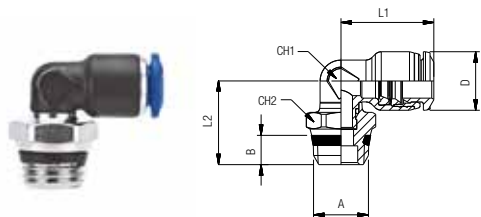
- Standard USA design
- Designed for use in UNF connections with an integrated NBR o-ring that provides a perfect seal

### Torque Specifications

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

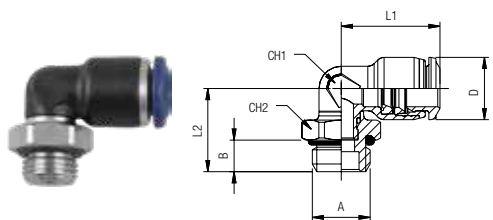
## 85110

SWIVEL ELBOW



\* For part numbers with 10-32 threads

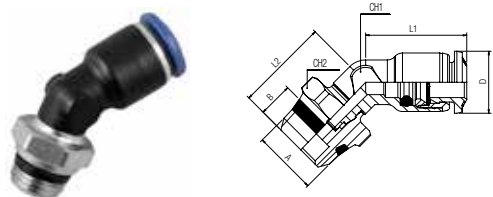
UNF



| Part No.     | Tube     | A     | B          | L1           | L2           | CH1       | CH2       | D           |
|--------------|----------|-------|------------|--------------|--------------|-----------|-----------|-------------|
| 85110-02-02  | 1/8      | 1/8   | .216 (5,5) | .610 (15)    | .649 (15,5)  | .275 (7)  | .511 (13) | .393 (10)   |
| 85110-02-04  | 1/8      | 1/4   | .275 (7)   | .610 (15)    | .708 (18)    | .275 (7)  | .591 (15) | .393 (10)   |
| *85110-53-32 | 5/32 (4) | 10/32 | .157 (4)   | .649 (16,5)  | .567 (14,5)  | .275 (7)  | .354 (9)  | .393 (10)   |
| 85110-53-02  | 5/32 (4) | 1/8   | .216 (5,5) | .649 (16,5)  | .649 (15,5)  | .275 (7)  | .511 (13) | .393 (10)   |
| 85110-53-04  | 5/32 (4) | 1/4   | .275 (7)   | .649 (16,5)  | .708 (18)    | .275 (7)  | .591 (15) | .393 (10)   |
| *85110-04-32 | 1/4      | 10/32 | .157 (4)   | .807 (20,5)  | .610 (15,5)  | .354 (9)  | .354 (9)  | .492 (12,5) |
| 85110-04-02  | 1/4      | 1/8   | .216 (5,5) | .807 (20,5)  | .688 (17,5)  | .354 (9)  | .511 (13) | .492 (12,5) |
| 85110-04-04  | 1/4      | 1/4   | .275 (7)   | .807 (20,5)  | .748 (19)    | .354 (9)  | .591 (15) | .492 (12,5) |
| 85110-04-06  | 1/4      | 3/8   | .295 (7,5) | .807 (20,5)  | .787 (20)    | .354 (9)  | .669 (17) | .492 (12,5) |
| 85110-04-08  | 1/4      | 1/2   | .354 (9)   | .807 (20,5)  | .866 (22)    | .354 (9)  | .826 (21) | .492 (12,5) |
| 85110-05-02  | 5/16 (8) | 1/8   | .216 (5,5) | .866 (22)    | .728 (18,5)  | .394 (10) | .511 (13) | .551 (14)   |
| 85110-05-04  | 5/16 (8) | 1/4   | .275 (7)   | .866 (22)    | .787 (20)    | .394 (10) | .591 (15) | .551 (14)   |
| 85110-05-06  | 5/16 (8) | 3/8   | .295 (7,5) | .866 (22)    | .807 (20,5)  | .394 (10) | .669 (17) | .551 (14)   |
| 85110-05-08  | 5/16 (8) | 1/2   | .354 (9)   | .866 (22)    | .905 (23)    | .394 (10) | .826 (21) | .551 (14)   |
| 85110-06-04  | 3/8      | 1/4   | .275 (7)   | 1.043 (26,5) | .866 (22)    | .551 (13) | .629 (16) | .669 (17)   |
| 85110-06-06  | 3/8      | 3/8   | .295 (7,5) | 1.043 (26,5) | .866 (22)    | .551 (13) | .669 (17) | .669 (17)   |
| 85110-06-08  | 3/8      | 1/2   | .354 (9)   | 1.043 (26,5) | .964 (24,5)  | .551 (13) | .826 (21) | .669 (17)   |
| 85110-08-04  | 1/2      | 1/4   | .275 (7)   | 1.200 (30,5) | .905 (23)    | .629 (16) | .629 (16) | .787 (20)   |
| 85110-08-06  | 1/2      | 3/8   | .295 (7,5) | 1.200 (30,5) | .905 (23)    | .629 (16) | .669 (17) | .787 (20)   |
| 85110-08-08  | 1/2      | 1/2   | .354 (9)   | 1.200 (30,5) | 1.003 (25,5) | .629 (16) | .826 (21) | .787 (20)   |

## 85170

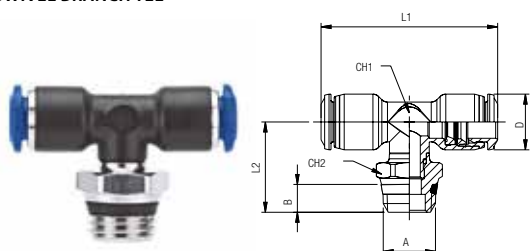
45° SWIVEL ELBOW



| Part No.    | Tube     | A   | B          | L1           | L2           | CH1       | CH2       | D         |
|-------------|----------|-----|------------|--------------|--------------|-----------|-----------|-----------|
| 85170-53-02 | 5/32 (4) | 1/8 | .217 (5,5) | .492 (12,5)  | .650 (16,5)  | .276 (7)  | .512 (13) | .394 (10) |
| 85170-04-02 | 1/4      | 1/8 | .217 (5,5) | .807 (20,5)  | .689 (17,5)  | .354 (9)  | .512 (13) | .472 (12) |
| 85170-04-04 | 1/4      | 1/4 | .276 (7)   | .807 (20,5)  | .744 (18,9)  | .354 (9)  | .591 (15) | .472 (12) |
| 85170-05-02 | 5/16 (8) | 1/8 | .217 (5,5) | .866 (22)    | .728 (18,5)  | .394 (10) | .512 (13) | .551 (14) |
| 85170-05-04 | 5/16 (8) | 1/4 | .276 (7)   | .866 (22)    | .787 (20)    | .394 (10) | .591 (15) | .551 (14) |
| 85170-05-06 | 5/16 (8) | 3/8 | .295 (7,5) | .866 (22)    | .807 (20,5)  | .394 (10) | .669 (17) | .551 (14) |
| 85170-06-04 | 3/8      | 1/4 | .276 (7)   | 1.043 (26,5) | .858 (21,8)  | .512 (13) | .630 (16) | .669 (17) |
| 85170-06-06 | 3/8      | 3/8 | .295 (7,5) | 1.043 (26,5) | .858 (21,8)  | .512 (13) | .669 (17) | .669 (17) |
| 85170-06-08 | 3/8      | 1/2 | .354 (9)   | 1.043 (26,5) | .964 (24,5)  | .512 (13) | .827 (21) | .669 (17) |
| 85170-08-04 | 1/2      | 1/4 | .276 (7)   | 1.181 (30)   | .909 (23,1)  | .630 (16) | .630 (16) | .787 (20) |
| 85170-08-06 | 1/2      | 3/8 | .295 (7,5) | 1.181 (30)   | .909 (23,1)  | .630 (16) | .669 (17) | .787 (20) |
| 85170-08-08 | 1/2      | 1/2 | .354 (9)   | 1.181 (30)   | 1.003 (25,5) | .630 (16) | .827 (21) | .787 (20) |

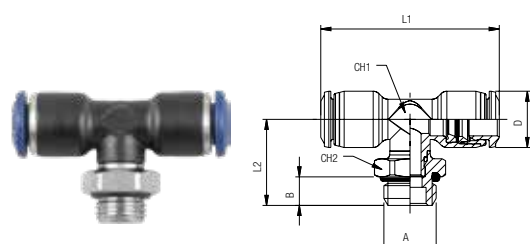
## 85210

SWIVEL BRANCH TEE



\* For part numbers with 10-32 threads

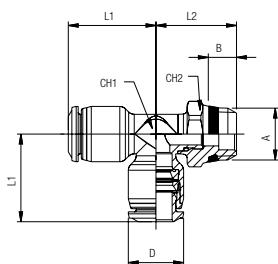
UNF



| Part No.     | Tube     | A     | B          | L1           | L2           | CH1       | CH2       | D           |
|--------------|----------|-------|------------|--------------|--------------|-----------|-----------|-------------|
| 85210-02-02  | 1/8      | 1/8   | .216 (5,5) | 1.200 (30,5) | .728 (18,5)  | .275 (7)  | .511 (13) | .393 (10)   |
| 85210-02-04  | 1/8      | 1/4   | .275 (7)   | 1.200 (30,5) | .787 (20)    | .275 (7)  | .590 (15) | .393 (10)   |
| *85210-53-32 | 5/32 (4) | 10/32 | .157 (4)   | 1.200 (30,5) | .629 (16)    | .275 (7)  | .354 (9)  | .393 (10)   |
| 85210-53-02  | 5/32 (4) | 1/8   | .216 (5,5) | 1.299 (33)   | .728 (18,5)  | .275 (7)  | .511 (13) | .393 (10)   |
| 85210-53-04  | 5/32 (4) | 1/4   | .275 (7)   | 1.299 (33)   | .787 (20)    | .275 (7)  | .590 (15) | .393 (10)   |
| *85210-04-32 | 1/4      | 10/32 | .157 (4)   | 1.594 (40,5) | .610 (15,5)  | .354 (9)  | .354 (9)  | .492 (12,5) |
| 85210-04-02  | 1/4      | 1/8   | .216 (5,5) | 1.594 (40,5) | .787 (20)    | .354 (9)  | .511 (13) | .492 (12,5) |
| 85210-04-04  | 1/4      | 1/4   | .275 (7)   | 1.594 (40,5) | .846 (21,5)  | .354 (9)  | .590 (15) | .492 (12,5) |
| 85210-05-02  | 5/16 (8) | 1/8   | .216 (5,5) | 1.732 (44)   | .826 (21)    | .394 (10) | .511 (13) | .551 (14)   |
| 85210-05-04  | 5/16 (8) | 1/4   | .275 (7)   | 1.732 (44)   | .885 (22,5)  | .394 (10) | .590 (15) | .551 (14)   |
| 85210-05-06  | 5/16 (8) | 3/8   | .295 (7,5) | 1.732 (44)   | .905 (23)    | .394 (10) | .669 (17) | .551 (14)   |
| 85210-06-04  | 3/8      | 1/4   | .275 (7)   | 2.086 (53)   | 1.023 (26)   | .551 (13) | .629 (16) | .669 (17)   |
| 85210-06-06  | 3/8      | 3/8   | .295 (7,5) | 2.086 (53)   | 1.023 (26)   | .551 (13) | .669 (17) | .669 (17)   |
| 85210-06-08  | 3/8      | 1/2   | .354 (9)   | 2.086 (53)   | 1.023 (26)   | .551 (13) | .826 (21) | .669 (17)   |
| 85210-08-04  | 1/2      | 1/4   | .275 (7)   | 2.362 (60)   | 1.062 (27)   | .629 (16) | .629 (16) | .787 (20)   |
| 85210-08-06  | 1/2      | 3/8   | .295 (7,5) | 2.362 (60)   | 1.062 (27)   | .629 (16) | .669 (17) | .787 (20)   |
| 85210-08-08  | 1/2      | 1/2   | .354 (9)   | 2.362 (60)   | 1.161 (29,5) | .629 (16) | .826 (21) | .787 (20)   |

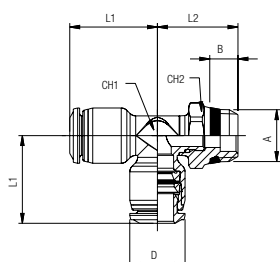
## 85222

SWIVEL RUN TEE



\* For part numbers with 10-32 threads

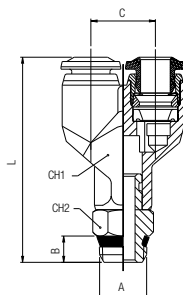
UNF



| Part No.     | Tube     | A     | B          | L1           | L2           | CH1       | CH2       | D           |
|--------------|----------|-------|------------|--------------|--------------|-----------|-----------|-------------|
| 85222-02-02  | 1/8      | 1/8   | .216 (5,5) | .610 (15)    | .708 (18)    | .275 (7)  | .511 (13) | .393 (10)   |
| 85222-02-04  | 1/8      | 1/4   | .275 (7)   | .610 (15)    | .767 (19,5)  | .275 (7)  | .590 (15) | .393 (10)   |
| *85222-53-32 | 5/32 (4) | 10/32 | .157 (4)   | .649 (16,5)  | .629 (16)    | .275 (7)  | .354 (9)  | .393 (10)   |
| 85222-53-02  | 5/32 (4) | 1/8   | .216 (5,5) | .649 (16,5)  | .708 (18)    | .275 (7)  | .511 (13) | .393 (10)   |
| 85222-53-04  | 5/32 (4) | 1/4   | .275 (7)   | .649 (16,5)  | .767 (19,5)  | .275 (7)  | .590 (15) | .393 (10)   |
| *85222-04-32 | 1/4      | 10/32 | .157 (4)   | .807 (20,5)  | .570 (14,5)  | .354 (9)  | .354 (9)  | .492 (12,5) |
| 85222-04-02  | 1/4      | 1/8   | .216 (5,5) | .807 (20,5)  | .688 (17,5)  | .354 (9)  | .511 (13) | .492 (12,5) |
| 85222-04-04  | 1/4      | 1/4   | .275 (7)   | .807 (20,5)  | .748 (19)    | .354 (9)  | .590 (15) | .492 (12,5) |
| 85222-05-02  | 5/16 (8) | 1/8   | .216 (5,5) | .866 (22)    | .748 (19)    | .394 (10) | .511 (13) | .551 (14)   |
| 85222-05-04  | 5/16 (8) | 1/4   | .275 (7)   | .866 (22)    | .807 (20,5)  | .394 (10) | .590 (15) | .551 (14)   |
| 85222-05-06  | 5/16 (8) | 3/8   | .295 (7,5) | .866 (22)    | .826 (21)    | .394 (10) | .669 (17) | .551 (14)   |
| 85222-06-04  | 3/8      | 1/4   | .275 (7)   | 1.043 (26,5) | .866 (22)    | .551 (13) | .629 (16) | .669 (17)   |
| 85222-06-06  | 3/8      | 3/8   | .295 (7,5) | 1.043 (26,5) | .866 (22)    | .551 (13) | .669 (17) | .669 (17)   |
| 85222-06-08  | 3/8      | 1/2   | .354 (9)   | 1.043 (26,5) | .964 (24,5)  | .551 (13) | .826 (21) | .669 (17)   |
| 85222-08-04  | 1/2      | 1/4   | .275 (7)   | 1.200 (30,5) | .905 (23)    | .629 (16) | .629 (16) | .787 (20)   |
| 85222-08-06  | 1/2      | 3/8   | .295 (7,5) | 1.200 (30,5) | .905 (23)    | .629 (16) | .669 (17) | .787 (20)   |
| 85222-08-08  | 1/2      | 1/2   | .354 (9)   | 1.200 (30,5) | 1.003 (25,5) | .629 (16) | .826 (21) | .787 (20)   |

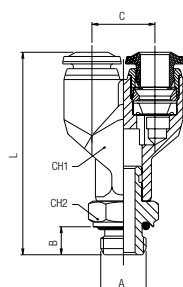
## 85320

UNION Y



\* For part numbers with 10-32 threads

UNF

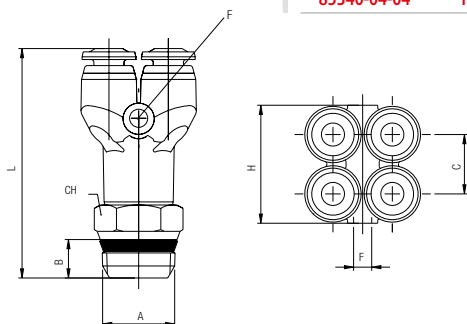


| Part No.     | Tube     | A     | B          | C           | L            | CH1       | CH2       |
|--------------|----------|-------|------------|-------------|--------------|-----------|-----------|
| *85320-53-32 | 5/32 (4) | 10/32 | .157 (4)   | .433 (11)   | 1.437 (36,5) | .393 (10) | .393 (10) |
| 85320-53-02  | 5/32 (4) | 1/8   | .216 (5,5) | .433 (11)   | 1.496 (38)   | .393 (10) | .433 (11) |
| 85320-53-04  | 5/32 (4) | 1/4   | .275 (7)   | .433 (11)   | 1.594 (40,5) | .393 (10) | .551 (14) |
| *85320-04-32 | 1/4      | 10/32 | .157 (4)   | .531 (13,5) | 1.633 (41,5) | .472 (12) | .393 (10) |
| 85320-04-02  | 1/4      | 1/8   | .216 (5,5) | .511 (13)   | 1.692 (43)   | .472 (12) | .433 (11) |
| 85320-04-04  | 1/4      | 1/4   | .275 (7)   | .531 (13,5) | 1.791 (45,5) | .472 (12) | .551 (14) |
| 85320-05-02  | 5/16 (8) | 1/8   | .216 (5,5) | .610 (15,5) | 1.850 (47)   | .551 (14) | .433 (11) |
| 85320-05-04  | 5/16 (8) | 1/4   | .275 (7)   | .610 (15,5) | 1.929 (49)   | .551 (14) | .551 (14) |
| 85320-05-06  | 5/16 (8) | 3/8   | .295 (7,5) | .610 (15,5) | 1.948 (49,5) | .551 (14) | .669 (17) |
| 85320-06-04  | 3/8      | 1/4   | .275 (7)   | .748 (19)   | 2.224 (56,5) | .669 (17) | .551 (14) |
| 85320-06-06  | 3/8      | 3/8   | .295 (7,5) | .748 (19)   | 2.263 (57,5) | .669 (17) | .669 (17) |
| 85320-06-08  | 3/8      | 1/2   | .354 (9)   | .748 (19)   | 2.362 (60)   | .669 (17) | .826 (21) |
| 85320-08-06  | 1/2      | 3/8   | .295 (7,5) | .866 (22)   | 2.618 (66,5) | .787 (20) | .669 (17) |
| 85320-08-08  | 1/2      | 1/2   | .354 (9)   | .866 (22)   | 2.677 (68)   | .787 (20) | .826 (21) |



## 85340

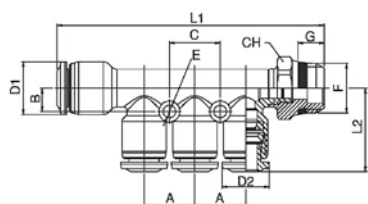
4 POSITION Y



| Part No.    | Tube     | A   | B          | C           | L            | H           | CH        | F          |
|-------------|----------|-----|------------|-------------|--------------|-------------|-----------|------------|
| 85340-53-02 | 5/32 (4) | 1/8 | .217 (5,5) | .425 (10,8) | 1.555 (39,5) | .846 (21,5) | .433 (11) | .130 (3,3) |
| 85340-53-04 | 5/32 (4) | 1/4 | .276 (7)   | .425 (10,8) | 1.654 (42)   | .846 (21,5) | .551 (14) | .130 (3,3) |
| 85340-04-02 | 1/4      | 1/8 | .217 (5,5) | .531 (13,5) | 1.831 (46,5) | 1.064 (27)  | .433 (11) | .130 (3,3) |
| 85340-04-04 | 1/4      | 1/4 | .276 (7)   | .531 (13,5) | 1.889 (48)   | 1.064 (27)  | .551 (14) | .130 (3,3) |

## 85360

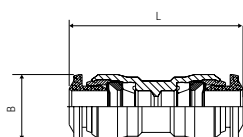
REDUCTION MANIFOLD



| Part No.       | Tube      | F   | A           | B        | C           | G          | L1           | L2        | CH        | E          | D1        | D2          |
|----------------|-----------|-----|-------------|----------|-------------|------------|--------------|-----------|-----------|------------|-----------|-------------|
| 85360-04-53-02 | 1/4-5/32  | 1/8 | .531 (13,5) | .236 (6) | .531 (13,5) | .217 (5,5) | 2.757 (70)   | .866 (22) | .511 (13) | .130 (3,3) | .551 (14) | .471 (12)   |
| 85360-04-53-04 | 1/4-5/32  | 1/4 | .531 (13,5) | .236 (6) | .531 (13,5) | .276 (7)   | 2.817 (71,5) | .866 (22) | .591 (15) | .130 (3,3) | .551 (14) | .471 (12)   |
| 85360-05-53-02 | 5/16-5/32 | 1/8 | .531 (13,5) | .236 (6) | .531 (13,5) | .217 (5,5) | 2.757 (70)   | .866 (22) | .511 (13) | .130 (3,3) | .551 (14) | .471 (12)   |
| 85360-05-53-04 | 5/16-5/32 | 1/4 | .531 (13,5) | .236 (6) | .531 (13,5) | .276 (7)   | 2.817 (71,5) | .866 (22) | .591 (15) | .130 (3,3) | .551 (14) | .471 (12)   |
| 85360-05-04-02 | 5/16-1/4  | 1/8 | .531 (13,5) | .236 (6) | .531 (13,5) | .217 (5,5) | 2.757 (70)   | .866 (22) | .511 (13) | .130 (3,3) | .551 (14) | .491 (12,5) |
| 85360-05-04-04 | 5/16-1/4  | 1/4 | .531 (13,5) | .236 (6) | .531 (13,5) | .276 (7)   | 2.817 (71,5) | .866 (22) | .591 (15) | .130 (3,3) | .551 (14) | .491 (12,5) |
| 85360-06-04-04 | 3/8-1/4   | 1/4 | .590 (15)   | .276 (7) | .590 (15)   | .276 (7)   | 3.208 (81,5) | .946 (24) | .629 (16) | .130 (3,3) | .669 (17) | .551 (14)   |
| 85360-06-04-06 | 3/8-1/4   | 3/8 | .590 (15)   | .276 (7) | .590 (15)   | .296 (7,5) | 3.208 (81,5) | .946 (24) | .669 (17) | .130 (3,3) | .669 (17) | .551 (14)   |
| 85360-06-05-04 | 3/8-5/16  | 1/4 | .590 (15)   | .276 (7) | .590 (15)   | .276 (7)   | 3.208 (81,5) | .906 (23) | .629 (16) | .130 (3,3) | .669 (17) | .551 (14)   |
| 85360-06-05-06 | 3/8-5/16  | 3/8 | .590 (15)   | .276 (7) | .590 (15)   | .296 (7,5) | 3.208 (81,5) | .906 (23) | .669 (17) | .130 (3,3) | .669 (17) | .551 (14)   |

## 85040

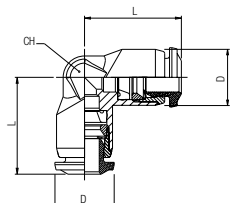
UNION



| Part No.    | Tube     | Tube     | B           | L            |
|-------------|----------|----------|-------------|--------------|
| 85040-02-02 | 1/8      | 1/8      | .394 (10)   | 1.102 (28)   |
| 85040-53-53 | 5/32 (4) | 5/32 (4) | .394 (10)   | 1.220 (31)   |
| 85040-04-53 | 1/4      | 5/32 (4) | .492 (12,5) | 1.358 (34,5) |
| 85040-04-04 | 1/4      | 1/4      | .492 (12,5) | 1.377 (35)   |
| 85040-05-53 | 5/16 (8) | 5/32 (4) | 1.456 (37)  | .551 (14)    |
| 85040-05-04 | 5/16 (8) | 1/4      | .551 (14)   | 1.496 (38)   |
| 85040-05-05 | 5/16 (8) | 5/16 (8) | .551 (14)   | 1.456 (37)   |
| 85040-06-04 | 3/8      | 1/4      | .669 (17)   | 1.751 (44,5) |
| 85040-06-05 | 3/8      | 5/16 (8) | .669 (17)   | 1.751 (44,5) |
| 85040-06-06 | 3/8      | 3/8      | .669 (17)   | 1.771 (45)   |
| 85040-08-05 | 1/2      | 5/16 (8) | 1.968 (50)  | .787 (20)    |
| 85040-08-06 | 1/2      | 3/8      | .787 (20)   | 1.968 (50)   |
| 85040-08-08 | 1/2      | 1/2      | .787 (20)   | 1.929 (49)   |

## 85130

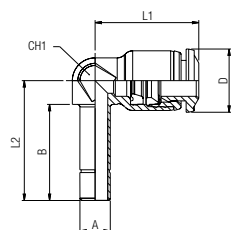
UNION ELBOW



| Part No.    | Tube     | Tube     | L            | CH        | D           |
|-------------|----------|----------|--------------|-----------|-------------|
| 85130-02-02 | 1/8      | 1/8      | .610 (15,5)  | .354 (9)  | .393 (10)   |
| 85130-53-53 | 5/32 (4) | 5/32 (4) | .649 (16,5)  | .354 (9)  | .393 (10)   |
| 85130-04-04 | 1/4      | 1/4      | .807 (20,5)  | .433 (11) | .492 (12,5) |
| 85130-05-04 | 5/16 (8) | 1/4      | .886 (22,5)  | .551 (14) | .511 (13)   |
| 85130-05-05 | 5/16 (8) | 5/16 (8) | .866 (22)    | .511 (13) | .551 (14)   |
| 85130-06-04 | 3/8      | 1/4      | 1.023 (26)   | .669 (17) | .629 (16)   |
| 85130-04-05 | 3/8      | 5/16 (8) | 1.023 (26)   | .669 (17) | .629 (16)   |
| 85130-06-06 | 3/8      | 3/8      | 1.043 (26,5) | .629 (16) | .669 (17)   |
| 85130-04-06 | 1/2      | 3/8      | 1.200 (30,5) | .787 (20) | .748 (19)   |
| 85130-08-08 | 1/2      | 1/2      | 1.200 (30,5) | .748 (19) | .787 (20)   |

## 85140

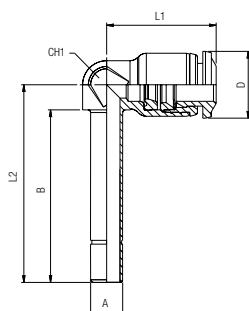
ELBOW PLUG IN



| Part No.    | Tube     | A        | B            | L1           | L2           | CH1       | D           |
|-------------|----------|----------|--------------|--------------|--------------|-----------|-------------|
| 85140-53-53 | 5/32 (4) | 5/32 (4) | .669 (17)    | .650 (16,5)  | .819 (20,8)  | .276 (7)  | .394 (10)   |
| 85140-53-04 | 5/32 (4) | 1/4      | .748 (19)    | .650 (16,5)  | .913 (23)    | .276 (7)  | .394 (10)   |
| 85140-04-53 | 1/4      | 5/32 (4) | .669 (17)    | .807 (20,5)  | .846 (21,5)  | .354 (9)  | .492 (12,5) |
| 85140-04-04 | 1/4      | 1/4      | .748 (19)    | .807 (20,5)  | .933 (23,5)  | .354 (9)  | .492 (12,5) |
| 85140-04-05 | 1/4      | 5/16 (8) | .787 (20)    | .886 (22,5)  | 1.024 (26)   | .394 (10) | .551 (14)   |
| 85140-05-05 | 5/16 (8) | 5/16 (8) | .787 (20)    | .866 (22)    | 1.024 (26)   | .394 (10) | .551 (14)   |
| 85140-05-06 | 5/16 (8) | 3/8      | .866 (22)    | .866 (22)    | 1.083 (27,5) | .394 (10) | .551 (14)   |
| 85140-06-06 | 3/8      | 3/8      | .886 (22,5)  | 1.043 (26,5) | 1.181 (30)   | .512 (13) | .669 (17)   |
| 85140-06-08 | 3/8      | 1/2      | .964 (24,5)  | 1.043 (26,5) | 1.260 (32)   | .512 (13) | .669 (17)   |
| 85140-08-08 | 1/2      | 1/2      | 1.004 (25,5) | 1.181 (30)   | 1.319 (33,5) | .630 (16) | .787 (20)   |

## 85150

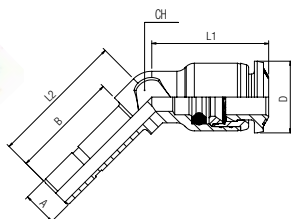
ELBOW PLUG IN



| Part No.    | Tube     | A        | B            | L1           | L2           | CH1       | D           |
|-------------|----------|----------|--------------|--------------|--------------|-----------|-------------|
| 85150-53-53 | 5/32 (4) | 5/32 (4) | 1.102 (28)   | .650 (16,5)  | 1.252 (31,8) | .276 (7)  | .394 (10)   |
| 85150-53-04 | 5/32 (4) | 1/4      | 1.200 (30,5) | .650 (16,5)  | 1.359 (34,5) | .276 (7)  | .394 (10)   |
| 85150-04-53 | 1/4      | 5/32 (4) | 1.181 (30)   | .807 (20,5)  | 1.359 (34,5) | .354 (9)  | .492 (12,5) |
| 85150-04-04 | 1/4      | 1/4      | 1.272 (32,3) | .807 (20,5)  | 1.457 (37)   | .354 (9)  | .492 (12,5) |
| 85150-05-05 | 5/16 (8) | 5/16 (8) | 1.417 (36)   | .866 (22)    | 1.654 (42)   | .394 (10) | .551 (14)   |
| 85150-05-06 | 5/16 (8) | 3/8      | 1.477 (37,5) | .866 (22)    | 1.694 (43)   | .394 (10) | .551 (14)   |
| 85150-06-06 | 3/8      | 3/8      | 1.606 (40,8) | 1.043 (26,5) | 1.902 (48,3) | .512 (13) | .669 (17)   |
| 85150-06-08 | 3/8      | 1/2      | 1.692 (43)   | 1.043 (26,5) | 1.988 (50,5) | .512 (13) | .669 (17)   |
| 85150-08-08 | 1/2      | 1/2      | 1.850 (47)   | 1.220 (31)   | 2.165 (55)   | .630 (16) | .787 (20)   |

## 85160

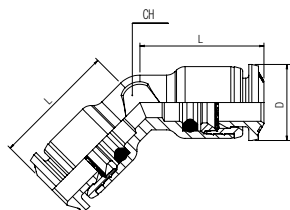
45° ELBOW PLUG IN



| Part No. | Tube     | A        | B            | L1           | L2           | CH        | D         |
|----------|----------|----------|--------------|--------------|--------------|-----------|-----------|
| 85160-53 | 5/32 (4) | 5/32 (4) | .669 (17)    | .492 (12,5)  | .827 (21)    | .276 (7)  | .394 (10) |
| 85160-04 | 1/4      | 1/4      | .748 (19)    | .807 (20,5)  | .925 (23,5)  | .354 (9)  | .472 (12) |
| 85160-05 | 5/16 (8) | 5/16 (8) | .787 (20)    | .866 (22)    | .984 (25)    | .394 (10) | .551 (14) |
| 85160-06 | 3/8      | 3/8      | .886 (22,5)  | 1.043 (26,5) | 1.181 (30)   | .512 (13) | .669 (17) |
| 85160-08 | 1/2      | 1/2      | 1.004 (25,5) | 1.181 (30)   | 1.319 (33,5) | .630 (16) | .787 (20) |

## 85180

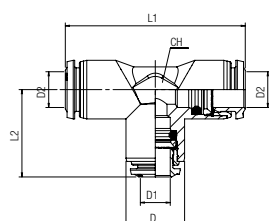
45° UNION



| Part No. | Tube     | L            | CH        | D         |
|----------|----------|--------------|-----------|-----------|
| 85180-53 | 5/32 (4) | .650 (16,5)  | .276 (7)  | .394 (10) |
| 85180-04 | 1/4      | .807 (20,5)  | .354 (9)  | .472 (12) |
| 85180-05 | 5/16 (8) | .866 (22)    | .394 (10) | .551 (14) |
| 85180-06 | 3/8      | 1.043 (26,5) | .512 (13) | .669 (17) |
| 85180-08 | 1/2      | 1.181 (30)   | .630 (16) | .787 (20) |

## 85230

UNION TEE

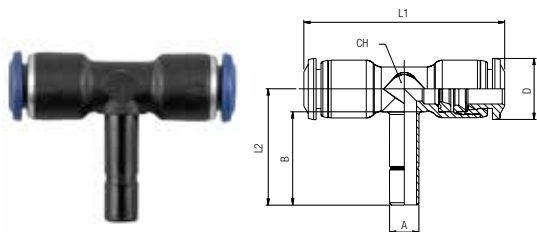


| Part No.       | Tube                  | L1           | L2           | CH        | D           | D1        | D2        |
|----------------|-----------------------|--------------|--------------|-----------|-------------|-----------|-----------|
| 85230-02       | 1/8                   | 1.220 (31)   | .610 (15,5)  | .354 (9)  | .394 (10)   | .118 (3)  | .118 (3)  |
| 85230-53       | 5/32 (4)              | 1.300 (33)   | .650 (16,5)  | .354 (9)  | .394 (10)   | .157 (4)  | .157 (4)  |
| 85230-53-04-53 | 5/32 (4)-1/4-5/32 (4) | 1.574 (40)   | .807 (20,5)  | .433 (11) | .492 (12,5) | .236 (6)  | .157 (4)  |
| 85230-04-53-04 | 1/4-5/32 (4)-1/4      | 1.614 (41)   | .787 (20)    | .433 (11) | .492 (12,5) | .157 (4)  | .236 (6)  |
| 85230-04       | 1/4                   | 1.614 (41)   | .807 (20,5)  | .433 (11) | .492 (12,5) | .236 (6)  | .236 (6)  |
| 85230-05-04-05 | 5/16 (8)-1/4-5/16 (8) | 1.763 (45)   | .886 (22,5)  | .512 (13) | .551 (14)   | .236 (6)  | .314 (8)  |
| 85230-05       | 5/16 (8)              | 1.723 (44)   | .866 (22)    | .512 (13) | .551 (14)   | .314 (8)  | .314 (8)  |
| 85230-05-06-05 | 5/16 (8)-3/8-5/16 (8) | 2.047 (52)   | 1.043 (26,5) | .630 (16) | .669 (17)   | .394 (10) | .314 (8)  |
| 85230-06-05-06 | 3/8-5/16 (8)-3/8      | 2.087 (53)   | 1.024 (26)   | .630 (16) | .669 (17)   | .314 (8)  | .394 (10) |
| 85230-06       | 3/8                   | 2.087 (53)   | 1.044 (26,5) | .630 (16) | .669 (17)   | .394 (10) | .394 (10) |
| 85230-06-08-06 | 3/8-1/2-3/8           | 2.343 (59,5) | 1.200 (30,5) | .748 (19) | .787 (20)   | .472 (12) | .394 (10) |
| 85230-08-06-08 | 1/2-3/8-1/2           | 2.422 (61,5) | 1.181 (30)   | .748 (19) | .787 (20)   | .394 (10) | .472 (12) |
| 85230-08       | 1/2                   | 2.422 (61,5) | 1.181 (30)   | .748 (19) | .787 (20)   | .472 (12) | .472 (12) |



## 85240

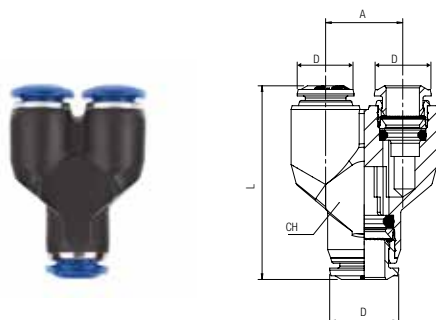
TEE PLUG IN



| Part No.    | Tube     | A        | B            | L1           | L2           | CH        | D           |
|-------------|----------|----------|--------------|--------------|--------------|-----------|-------------|
| 85240-53-53 | 5/32 (4) | 5/32 (4) | .669 (17)    | 1.299 (33)   | .815 (20,7)  | .276 (7)  | .394 (10)   |
| 85240-53-04 | 5/32 (4) | 1/4      | .748 (19)    | 1.299 (33)   | .886 (22,5)  | .276 (7)  | .394 (10)   |
| 85240-04-53 | 1/4      | 5/32 (4) | .669 (17)    | 1.614 (41)   | .846 (21,5)  | .354 (9)  | .492 (12,5) |
| 85240-04-04 | 1/4      | 1/4      | .748 (19)    | 1.614 (41)   | .933 (23,7)  | .354 (9)  | .492 (12,5) |
| 85240-05-05 | 5/16 (8) | 5/16 (8) | .787 (20)    | 1.732 (44)   | 1.024 (26)   | .394 (10) | .551 (14)   |
| 85240-05-06 | 5/16 (8) | 3/8      | .886 (22,5)  | 1.732 (44)   | 1.102 (28)   | .394 (10) | .551 (14)   |
| 85240-06    | 3/8      | 3/8      | .886 (22,5)  | 2.087 (53)   | 1.181 (30)   | .512 (13) | .669 (17)   |
| 85240-53-08 | 3/8      | 1/2      | .983 (25)    | 2.087 (53)   | 1.259 (32)   | .512 (13) | .669 (17)   |
| 85240-08-08 | 1/2      | 1/2      | 1.003 (25,5) | 2.422 (61,5) | 1.319 (33,5) | .629 (16) | .787 (20)   |

## 85310

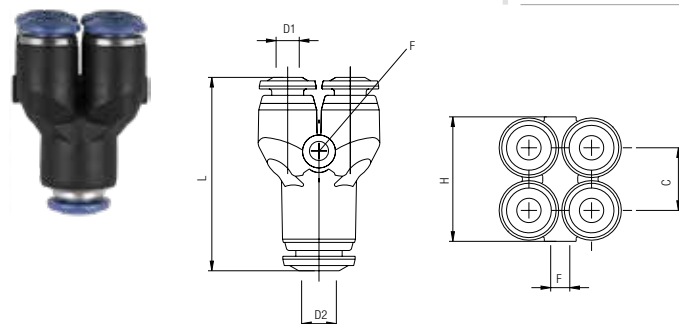
UNION Y



| Part No.    | Tube     | Tube     | L            | A            | CH        | D          |
|-------------|----------|----------|--------------|--------------|-----------|------------|
| 85310-53-53 | 5/32 (4) | 5/32 (4) | 1.240 (31,5) | .433 (11)    | .393 (10) | .393 (10)  |
| 85310-04-53 | 1/4      | 5/32 (4) | .532 (13,5)  | 1.437 (36,5) | .472 (12) | .492(12,5) |
| 85310-04-04 | 1/4      | 1/4      | 1.456 (37)   | .531 (13,5)  | .472 (12) | .492(12,5) |
| 85310-05-04 | 5/16 (8) | 1/4      | .610 (15,5)  | 1.614 (41)   | .551 (14) | .551 (14)  |
| 85310-05-05 | 5/16 (8) | 5/16 (8) | 1.574 (40)   | .610 (15,5)  | .551 (14) | .551 (14)  |
| 85310-06-06 | 3/8      | 3/8      | 1.909 (48,5) | .748 (19)    | .669 (17) | .708 (18)  |
| 85310-08-05 | 1/2      | 5/16 (8) | .866 (22)    | 2.263 (57,5) | .787 (20) | .787 (20)  |
| 85310-08-08 | 1/2      | 1/2      | 2.322 (59)   | .866 (22)    | .787 (20) | .787 (20)  |

## 85330

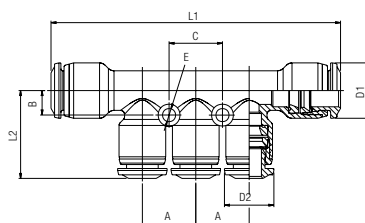
4 POSITION Y



| Part No.    | D1       | D2       | C           | L            | F          | H           |
|-------------|----------|----------|-------------|--------------|------------|-------------|
| 85330-53-53 | 5/32 (4) | 5/32 (4) | .425 (10,8) | 1.319 (33,5) | .130 (3,3) | .846 (21,5) |
| 85330-53-04 | 5/32 (4) | 1/4      | .433 (11)   | 1.359 (34,5) | .130 (3,3) | .846 (21,5) |
| 85330-04-04 | 1/4      | 1/4      | .531 (13,5) | 1.555 (39,5) | .130 (3,3) | 1.064 (27)  |
| 85330-04-05 | 1/4      | 5/16 (8) | .531 (13,5) | 1.575 (40)   | .130 (3,3) | 1.064 (27)  |

## 85350

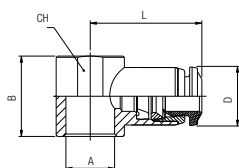
REDUCTION MANIFOLD



| Part No.    | Tube            | A           | B        | L1         | L2          | C           | D1        | D2         | E          |
|-------------|-----------------|-------------|----------|------------|-------------|-------------|-----------|------------|------------|
| 85350-04-53 | 1/4-5/32(4)     | .531 (13,5) | .236 (6) | 2.913 (74) | .866 (22)   | .531 (13,5) | .551 (14) | .472 (12)  | .130 (3,3) |
| 85350-05-53 | 5/16(8)-5/32(4) | .531 (13,5) | .236 (6) | 2.873 (73) | .866 (22)   | .531 (13,5) | .551 (14) | .472 (12)  | .130 (3,3) |
| 85350-05-04 | 5/16(8)-1/4     | .531 (13,5) | .236 (6) | 2.873 (73) | .886 (22,5) | .531 (13,5) | .551 (14) | .492(12,5) | .130 (3,3) |
| 85350-06-04 | 3/8-1/4         | .591 (15)   | .276 (7) | 3.267 (83) | .946 (24)   | .590 (15)   | .669 (17) | .551 (14)  | .130 (3,3) |
| 85350-06-05 | 3/8-5/16(8)     | .591 (15)   | .276 (7) | 3.267 (83) | .906 (23)   | .590 (15)   | .669 (17) | .551 (14)  | .130 (3,3) |

## 85500

SINGLE BANJO BODY

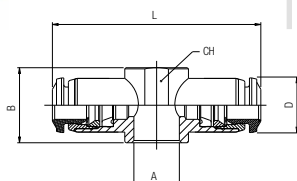


| Part No.     | Tube     | A   | B           | L            | CH         | D         |
|--------------|----------|-----|-------------|--------------|------------|-----------|
| 85500-02-M6  | 1/8      | M6  | .551 (14)   | .807 (20,5)  | .354 (9)   | .394 (10) |
| 85500-02-02  | 1/8      | 1/8 | .649 (16,5) | .807 (20,5)  | .551 (14)  | .394 (10) |
| 85500-53-M5  | 5/32 (4) | M5  | .551 (14)   | .767 (19,5)  | .354 (9)   | .394 (10) |
| 85500-53-M6  | 5/32 (4) | M6  | .551 (14)   | .767 (19,5)  | .354 (9)   | .394 (10) |
| 85500-53-02  | 5/32 (4) | 1/8 | .649 (16,5) | .846 (21,5)  | .551 (14)  | .394 (10) |
| 85500-53-04  | 5/32 (4) | 1/4 | .728 (18,5) | .925 (23,5)  | .708 (18)  | .394 (10) |
| 85500-04-M5  | 1/4      | M5  | .551 (14)   | .826 (21)    | .354 (9)   | .472 (12) |
| 85500-04-M6  | 1/4      | M6  | .551 (14)   | .826 (21)    | .354 (9)   | .472 (12) |
| 85500-04-02  | 1/4      | 1/8 | .649 (16,5) | .905 (23)    | .551 (14)  | .472 (12) |
| 85500-04-04  | 1/4      | 1/4 | .728 (18,5) | 1.003 (25,5) | .708 (18)  | .472 (12) |
| 85500-05-02  | 5/16 (8) | 1/8 | .649 (16,5) | .925 (23,5)  | .551 (14)  | .551 (14) |
| 85500-05-04  | 5/16 (8) | 1/4 | .728 (18,5) | 1.023 (26)   | .708 (18)  | .551 (14) |
| 85500-05-3/8 | 5/16 (8) | 3/8 | .866 (22)   | 1.082 (27,5) | .826 (21)  | .551 (14) |
| 85500-06-04  | 3/8      | 1/4 | .728 (18,5) | 1.221 (31)   | .708 (18)  | .669 (17) |
| 85500-06-06  | 3/8      | 3/8 | .866 (22)   | 1.200 (30,5) | .826 (21)  | .669 (17) |
| 85500-08-06  | 1/2      | 3/8 | .866 (22)   | 1.279 (32,5) | .826 (21)  | .787 (20) |
| 85500-08-08  | 1/2      | 1/2 | 1.023 (26)  | 1.377 (35)   | 1.023 (26) | .787 (20) |

For BANJO STEM assemblies see 10.7/10.8/10.9

## 85510

DOUBLE BANJO BODY

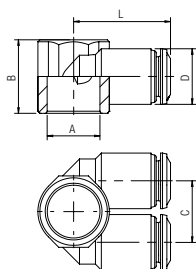


| Part No.    | Tube     | A   | B           | L          | CH        | D         |
|-------------|----------|-----|-------------|------------|-----------|-----------|
| 85510-53-M5 | 5/32 (4) | M5  | .551 (14)   | 1.535 (39) | .354 (9)  | .394 (10) |
| 85510-53-02 | 5/32 (4) | 1/8 | .649 (16,5) | 1.692 (43) | .551 (14) | .394 (10) |
| 85510-04-02 | 1/4      | 1/8 | .649 (16,5) | 1.811 (46) | .551 (14) | .472 (12) |
| 85510-04-04 | 1/4      | 1/4 | .728 (18,5) | 2.007 (51) | .708 (18) | .472 (12) |
| 85510-05-02 | 5/16 (8) | 1/8 | .649 (16,5) | 1.850 (47) | .551 (14) | .551 (14) |
| 85510-05-04 | 5/16 (8) | 1/4 | .728 (18,5) | 2.047 (52) | .708 (18) | .551 (14) |

For BANJO STEM assemblies see 10.7/10.8/10.9

## 85520

DOUBLE BANJO BODY

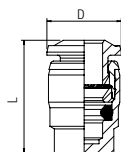


| Part No.      | Tube     | A   | B           | C           | L           | D           |
|---------------|----------|-----|-------------|-------------|-------------|-------------|
| 85520-4-1/8   | 5/32 (4) | 1/8 | .650 (16,5) | .512 (13)   | .827 (21)   | .472 (12)   |
| 85520-4-1/4   | 5/32 (4) | 1/4 | .728 (18,5) | .610 (15,5) | .945 (24)   | .551 (14)   |
| 85520-1/4-1/8 | 1/4      | 1/8 | .650 (16,5) | .512 (13)   | .846 (21,5) | .492 (12,5) |
| 85520-1/4-1/4 | 1/4      | 1/4 | .728 (18,5) | .610 (15,5) | .965 (24,5) | .551 (14)   |
| 85520-1/4-3/8 | 1/4      | 3/8 | .866 (22)   | .531 (13,5) | .984 (25)   | .492 (12,5) |
| 85520-8-1/4   | 5/16 (8) | 1/4 | .728 (18,5) | .610 (15,5) | .965 (24,5) | .551 (14)   |
| 85520-8-3/8   | 5/16 (8) | 3/8 | .866 (22)   | .748 (19)   | 1.102 (28)  | .669 (17)   |
| 85520-3/8-3/8 | 3/8      | 3/8 | .866 (22)   | .748 (19)   | 1.102 (28)  | .669 (17)   |

For BANJO STEM assemblies see 10.7/10.8/10.9

## 85620

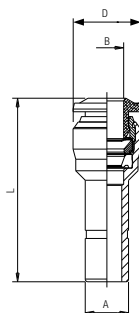
TERMINAL PLUG



| Part No.  | Tube     | D           | L            |
|-----------|----------|-------------|--------------|
| 85620-4   | 5/32 (4) | .393 (10)   | .708 (18)    |
| 85620-1/4 | 1/4      | .492 (12,5) | .787 (20)    |
| 85620-8   | 5/16 (8) | .551 (14)   | .846 (21,5)  |
| 85620-3/8 | 3/8      | .669 (17)   | .984 (25)    |
| 85620-08  | 1/2      | .787 (20)   | 1.082 (27,5) |

## 85700

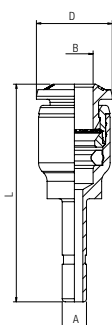
TUBE REDUCER



| Part No.    | A        | B        | L            | D           |
|-------------|----------|----------|--------------|-------------|
| 85700-04-53 | 1/4      | 5/32 (4) | 1.339 (34)   | .394 (10)   |
| 85700-05-53 | 5/16 (8) | 5/32 (4) | 1.496 (38)   | .472 (12)   |
| 85700-05-04 | 5/16 (8) | 1/4      | 1.535 (39)   | .492 (12,5) |
| 85700-06-04 | 3/8      | 1/4      | 1.673 (42,5) | .492 (12,5) |
| 85700-06-05 | 3/8      | 5/16 (8) | 1.654 (42)   | .551 (14)   |
| 85700-08-04 | 1/2      | 1/4      | 1.516 (38,5) | .492 (12,5) |
| 85700-08-05 | 1/2      | 5/16 (8) | 1.634 (41,5) | .551 (14)   |
| 85700-08-06 | 1/2      | 3/8      | 1.909 (48,5) | .669 (17)   |

## 85705

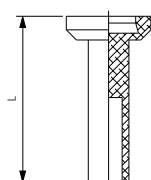
TUBE EXPANDER



| Part No.    | A        | B        | L            | D         |
|-------------|----------|----------|--------------|-----------|
| 85705-53-04 | 5/32 (4) | 1/4      | 1.417 (36)   | .472 (12) |
| 85705-04-05 | 1/4      | 5/16 (8) | 1.516 (38,5) | .551 (14) |
| 85705-04-06 | 1/4      | 3/8      | 1.654 (42)   | .669 (17) |
| 85705-05-06 | 5/16 (8) | 3/8      | 1.693 (43)   | .669 (17) |
| 85705-06-08 | 3/8      | 1/2      | 1.89 (48)    | .787 (20) |

## 88610B

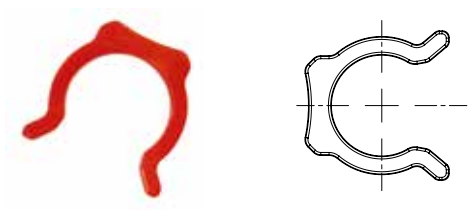
NYLON PLUG



| Part No.  | Tube     | L            |
|-----------|----------|--------------|
| 88610B-02 | 1/8      | .708 (18)    |
| 88610B-53 | 5/32 (4) | .925 (23,5)  |
| 88610B-04 | 1/4      | .964 (24,5)  |
| 88610B-05 | 5/16 (8) | 1.023 (26)   |
| 88610B-06 | 3/8      | 1.122 (28,5) |
| 88610B-08 | 1/2      | 1.122 (28,5) |

50980

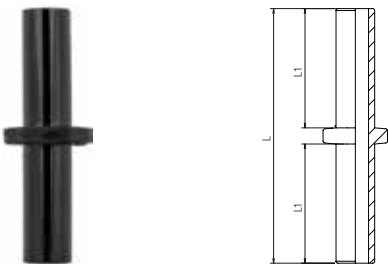
SECURITY CLIP



| Part No. | Tube     |
|----------|----------|
| 50980-53 | 5/32 (4) |
| 50980-04 | 1/4 (6)  |
| 50980-05 | 5/16 (8) |
| 50980-06 | 3/8 (10) |
| 50980-08 | 1/2 (12) |

55625

DOUBLE JOINT



| Part No. | Tube     | L            | L1          |
|----------|----------|--------------|-------------|
| 55625-4  | 5/32 (4) | 1.358 (34,5) | .630 (16)   |
| 55625-6  | 1/4 (6)  | 1.555 (39,5) | .728 (18,5) |
| 55625-8  | 5/16 (8) | 1.654 (42)   | .768 (19,5) |
| 55625-10 | 3/8 (10) | 2.028 (51,5) | .945 (24)   |
| 55625-12 | 1/2 (12) | 2.362 (60)   | 1.102 (28)  |