

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
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FOOD-GRADE TECHNOPOLYMER  
METRIC PUSH-TO-CONNECT FITTINGS

SPRINGFIT 



COMPONENT



**Springfit Series**

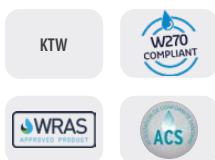
54000  
METRIC



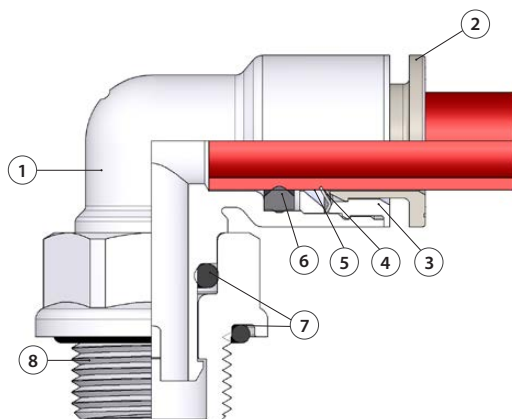
## TECHNICAL CHARACTERISTICS



### Certification of the plastic material



### Standard Reference



### Component Parts and Materials

- 1 Food-grade technopolymer body
- 2 Food-grade technopolymer collet
- 3 Food-grade technopolymer capsule
- 4 AISI 301 Steel gripping ring
- 5 Food-grade technopolymer positioning ring
- 6 Food-grade EPDM moulded seal
- 7 Food-grade EPDM O-ring
- 8 Food-grade technopolymer threaded adaptor



### Media

- Vacuum
- Water
- Hot water (max 176 °F)
- Food
- Nitrogen
- Gases compatible with the nature of the materials



### Tubing Compatibility

Plastic tubes:  
PA6, PA11, PA12, Polyethylene, \*Polyurethane, PTFE, FEP.  
\*Use from 90 to 98 Shore, for maximum performance is recommended 98 Shore A.



### Pressures

Pressures and temperatures of the different diameters of the SPRINGFIT line®

### Temperatures

+14 °F / +176 °F      -10 °C / +80 °C

| Ø  | Pressures         | + 14 °F<br>- 10 °C | + 68 °F<br>+ 20 °C | + 104 °F<br>+ 40 °C | +149 °F<br>+ 65 °C | +176 °F<br>+ 80 °C |
|----|-------------------|--------------------|--------------------|---------------------|--------------------|--------------------|
| 4  | 232 psi<br>16 bar | 100 %              | 100 %              | 80 %                | 50 %               | 50 %               |
| 6  | 232 psi<br>16 bar | 100 %              | 100 %              | 80 %                | 50 %               | 50 %               |
| 8  | 232 psi<br>16 bar | 100 %              | 100 %              | 80 %                | 50 %               | 50 %               |
| 10 | 188 psi<br>13 bar | 100 %              | 100 %              | 70 %                | 40 %               | 33 %               |
| 12 | 159 psi<br>11 bar | 100 %              | 100 %              | 63 %                | 40 %               | 36 %               |



## BSPP Threads

Standard ISO 228 and ISO R/262

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

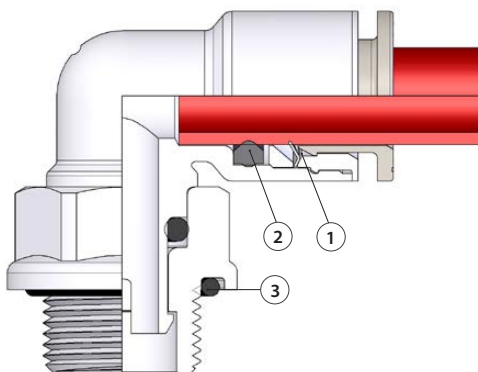


### Torque Specifications

| Thread Size | Recommended Torque |        |
|-------------|--------------------|--------|
|             | Min.               | Max.   |
| 1/8         | 2 Nm               | 2.5 Nm |
| 1/4         | 3.5 Nm             | 4.5 Nm |
| 3/8         | 4.5 Nm             | 5.5 Nm |
| 1/2         | 5.5 Nm             | 6.5 Nm |



## Advantages

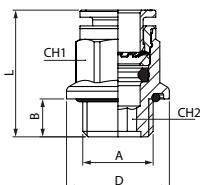


### Advantages

- 1 The stainless steel gripping ring guarantees a perfect joint with tubes of any material without damaging the surface. The connection between the tube and the fitting ensures a perfect sealing even under severe conditions such as shock and vibration.
- 2 The shaped gasket shape makes the fittings suitable for vacuum too.
- 3 All the SPRINGFIT threads comes with a sealing ring for an immediate use, to drastically reduce the installation time.

## 54020

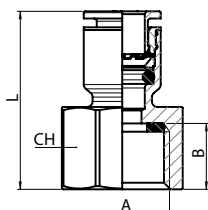
STRAIGHT MALE ADAPTOR (PARALLEL)



| Code         | Usa Ref      | Tube | A   | B         | L            | CH1       | CH2       | D          | Pack. |
|--------------|--------------|------|-----|-----------|--------------|-----------|-----------|------------|-------|
| 54020 00 002 | 54020-4-1/8  | 4    | 1/8 | .236 (6)  | .736 (18.7)  | .394 (10) | .118 (3)  | .630 (16)  | 10    |
| 54020 00 022 | 54020-4-1/4  | 4    | 1/4 | .276 (7)  | .795 (20.2)  | .394 (10) | .118 (3)  | .748 (19)  | 10    |
| 54020 00 003 | 54020-6-1/8  | 6    | 1/8 | .236 (6)  | .815 (20.7)  | .472 (12) | .157 (4)  | .630 (16)  | 10    |
| 54020 00 004 | 54020-6-1/4  | 6    | 1/4 | .276 (7)  | .815 (20.7)  | .472 (12) | .157 (4)  | .748 (19)  | 10    |
| 54020 00 005 | 54020-8-1/8  | 8    | 1/8 | .236 (6)  | 1.039 (26.4) | .551 (14) | .197 (5)  | .630 (16)  | 10    |
| 54020 00 006 | 54020-8-1/4  | 8    | 1/4 | .276 (7)  | .921 (23.4)  | .551 (14) | .236 (6)  | .748 (19)  | 10    |
| 54020 00 007 | 54020-8-3/8  | 8    | 3/8 | .315 (8)  | .961 (24.4)  | .551 (14) | .236 (6)  | .866 (22)  | 10    |
| 54020 00 008 | 54020-10-1/4 | 10   | 1/4 | .276 (7)  | 1.181 (30)   | .709 (18) | .276 (7)  | .748 (19)  | 10    |
| 54020 00 009 | 54020-10-3/8 | 10   | 3/8 | .315 (8)  | 1.102 (28)   | .709 (18) | .315 (8)  | .866 (22)  | 10    |
| 54020 00 031 | 54020-10-1/2 | 10   | 1/2 | .394 (10) | 1.142 (29)   | .709 (18) | .315 (8)  | 1.063 (27) | 10    |
| 54020 00 011 | 54020-12-3/8 | 12   | 3/8 | .315 (8)  | 1.276 (32.4) | .787 (20) | .315 (8)  | .866 (22)  | 10    |
| 54020 00 023 | 54020-12-1/2 | 12   | 1/2 | .394 (10) | 1.276 (32.4) | .866 (22) | .394 (10) | 1.063 (27) | 10    |

## 54030

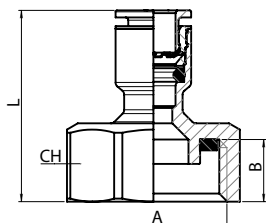
STRAIGHT FEMALE ADAPTOR WITH FLAT END



| Code         | Usa Ref      | Tube | A   | B           | L            | CH         | Pack. |
|--------------|--------------|------|-----|-------------|--------------|------------|-------|
| 54030 00 020 | 54030-6-1/2  | 6    | 1/2 | .413 (10.5) | 1.177 (29.9) | 1.024 (26) | 10    |
| 54030 00 010 | 54030-8-3/8  | 8    | 3/8 | .472 (12)   | 1.276 (32.4) | .866 (22)  | 10    |
| 54030 00 019 | 54030-8-3/4  | 8    | 3/4 | .453 (11.5) | 1.394 (35.4) | 1.260 (32) | 10    |
| 54030 00 013 | 54030-10-1/2 | 10   | 1/2 | .413 (10.5) | 1.417 (36)   | 1.024 (26) | 10    |

## 54031

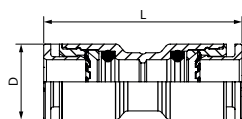
STRAIGHT FEMALE ADAPTOR WITH CONICAL END



| Code         | Usa Ref     | Tube | A   | B           | L            | CH         | Pack. |
|--------------|-------------|------|-----|-------------|--------------|------------|-------|
| 54031 00 019 | 54031-8-3/4 | 8    | 3/4 | .453 (11.5) | 1.394 (35.4) | 1.260 (32) | 10    |

# 54040

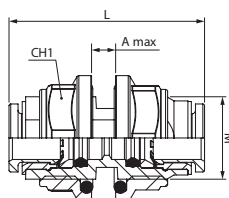
## STRAIGHT CONNECTOR



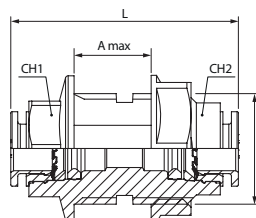
| Code         | Usa Ref     | Tube | Tube | D           | L            | Pack. |
|--------------|-------------|------|------|-------------|--------------|-------|
| 54040 00 002 | 54040-4     | 4    | 4    | .343 (8.7)  | 1.000 (25.4) | 10    |
| 54040 00 009 | 54040-6-4   | 6    | 4    | .421 (10.7) | 1.205 (30.6) | 10    |
| 54040 00 004 | 54040-6     | 6    | 6    | .421 (10.7) | 1.217 (30.9) | 10    |
| 54040 00 015 | 54040-8-4   | 8    | 4    | .551 (14)   | 1.417 (36)   | 10    |
| 54040 00 010 | 54040-8-6   | 8    | 6    | .551 (14)   | 1.429 (36.3) | 10    |
| 54040 00 005 | 54040-8     | 8    | 8    | .551 (14)   | 1.449 (36.8) | 10    |
| 54040 00 014 | 54040-10-6  | 10   | 6    | .681 (17.3) | 1.689 (42.9) | 10    |
| 54040 00 011 | 54040-10-8  | 10   | 8    | .681 (17.3) | 1.709 (43.4) | 10    |
| 54040 00 006 | 54040-10    | 10   | 10   | .681 (17.3) | 1.732 (44)   | 10    |
| 54040 00 016 | 54040-12-8  | 12   | 8    | .787 (20)   | 1.921 (48.8) | 10    |
| 54040 00 012 | 54040-12-10 | 12   | 10   | .787 (20)   | 1.945 (49.4) | 10    |
| 54040 00 007 | 54040-12    | 12   | 12   | .787 (20)   | 1.961 (49.8) | 10    |

# 54050

## BULKHEAD CONNECTOR



Ø4 - Ø6

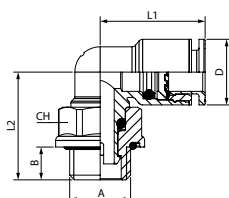


Ø8 - Ø10 - Ø12

| Code         | Usa Ref  | Tube | M     | L            | CH1       | CH2        | A max       | Pack. |
|--------------|----------|------|-------|--------------|-----------|------------|-------------|-------|
| 54050 00 001 | 54050-4  | 4    | M10x1 | .984 (25)    | .512 (13) | -          | .217 (5.5)  | 10    |
| 54050 00 002 | 54050-6  | 6    | M12x1 | 1.102 (28)   | .591 (15) | -          | .335 (8.5)  | 10    |
| 54050 00 003 | 54050-8  | 8    | G 1/2 | 1.685 (42.8) | .709 (18) | .984 (25)  | .571 (14.5) | 10    |
| 54050 00 004 | 54050-10 | 10   | G 1/2 | 1.732 (44)   | .709 (18) | .984 (25)  | .571 (14.5) | 10    |
| 54050 00 005 | 54050-12 | 12   | G 3/4 | 2.118 (53.8) | .866 (22) | 1.260 (32) | .728 (18.5) | 10    |

# 54116

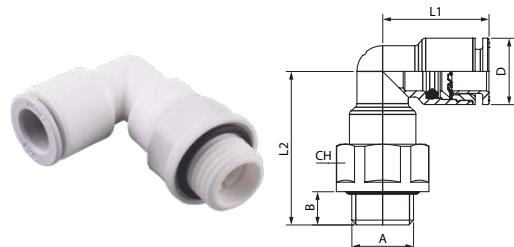
## REDUCED SWIVELING ELBOW MALE ADAPTOR (PARALLEL)



| Code         | Usa Ref      | Tube | A   | B         | L1           | L2           | CH        | D           | Pack. |
|--------------|--------------|------|-----|-----------|--------------|--------------|-----------|-------------|-------|
| 54116 00 004 | 54116-4-1/8  | 4    | 1/8 | .236 (6)  | .587 (14.9)  | .740 (18.8)  | .472 (12) | .343 (8.7)  | 10    |
| 54116 00 005 | 54116-4-1/4  | 4    | 1/4 | .276 (7)  | .587 (14.9)  | .799 (20.3)  | .472 (12) | .343 (8.7)  | 10    |
| 54116 00 013 | 54116-6-1/8  | 6    | 1/8 | .236 (6)  | .646 (16.4)  | .780 (19.8)  | .551 (14) | .421 (10.7) | 10    |
| 54116 00 014 | 54116-6-1/4  | 6    | 1/4 | .276 (7)  | .646 (16.4)  | .819 (20.8)  | .551 (14) | .421 (10.7) | 10    |
| 54116 00 017 | 54116-8-1/8  | 8    | 1/8 | .236 (6)  | .882 (22.4)  | .846 (21.5)  | .551 (14) | .551 (14)   | 10    |
| 54116 00 018 | 54116-8-1/4  | 8    | 1/4 | .276 (7)  | .882 (22.4)  | .906 (23)    | .630 (16) | .551 (14)   | 10    |
| 54116 00 019 | 54116-8-3/8  | 8    | 3/8 | .315 (8)  | .882 (22.4)  | .984 (25)    | .630 (16) | .551 (14)   | 10    |
| 54116 00 021 | 54116-10-1/4 | 10   | 1/4 | .276 (7)  | 1.063 (27)   | .984 (25)    | .630 (16) | .681 (17.3) | 10    |
| 54116 00 022 | 54116-10-3/8 | 10   | 3/8 | .315 (8)  | 1.063 (27)   | 1.063 (27)   | .709 (18) | .681 (17.3) | 10    |
| 54116 00 023 | 54116-10-1/2 | 10   | 1/2 | .394 (10) | 1.063 (27)   | 1.201 (30.5) | .709 (18) | .681 (17.3) | 10    |
| 54116 00 025 | 54116-12-3/8 | 12   | 3/8 | .315 (8)  | 1.217 (30.9) | 1.102 (28)   | .709 (18) | .787 (20)   | 10    |
| 54116 00 026 | 54116-12-1/2 | 12   | 1/2 | .394 (10) | 1.217 (30.9) | 1.240 (31.5) | .787 (20) | .787 (20)   | 10    |

## 54117

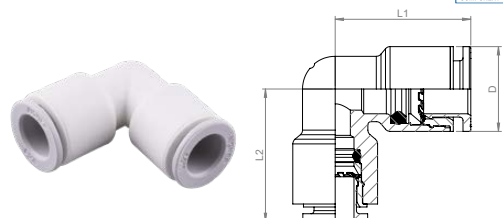
SWIVELING ELBOW MALE  
ADAPTOR (PARALLEL)



| Code         | Usa Ref      | Tube | A   | B         | L1           | L2           | CH        | D           | Pack. |
|--------------|--------------|------|-----|-----------|--------------|--------------|-----------|-------------|-------|
| 54117 00 004 | 54117-4-1/8  | 4    | 1/8 | .236 (6)  | .587 (14.9)  | .925 (23.5)  | .472 (12) | .343 (8.7)  | 10    |
| 54117 00 005 | 54117-4-1/4  | 4    | 1/4 | .276 (7)  | .587 (14.9)  | .965 (24.5)  | .472 (12) | .343 (8.7)  | 10    |
| 54117 00 013 | 54117-6-1/8  | 6    | 1/8 | .236 (6)  | .697 (17.7)  | 1.043 (26.5) | .551 (14) | .421 (10.7) | 10    |
| 54117 00 014 | 54117-6-1/4  | 6    | 1/4 | .276 (7)  | .697 (17.7)  | 1.083 (27.5) | .551 (14) | .421 (10.7) | 10    |
| 54117 00 015 | 54117-6-3/8  | 6    | 3/8 | .315 (8)  | .862 (21.9)  | 1.315 (33.4) | .709 (18) | .551 (14)   | 10    |
| 54117 00 017 | 54117-8-1/8  | 8    | 1/8 | .236 (6)  | .882 (22.4)  | 1.276 (32.4) | .709 (18) | .551 (14)   | 10    |
| 54117 00 018 | 54117-8-1/4  | 8    | 1/4 | .276 (7)  | .882 (22.4)  | 1.276 (32.4) | .709 (18) | .551 (14)   | 10    |
| 54117 00 019 | 54117-8-3/8  | 8    | 3/8 | .315 (8)  | .882 (22.4)  | 1.315 (33.4) | .709 (18) | .551 (14)   | 10    |
| 54117 00 020 | 54117-8-1/2  | 8    | 1/2 | .394 (10) | 1.039 (26.4) | 1.563 (39.7) | .866 (22) | .681 (17.3) | 10    |
| 54117 00 021 | 54117-10-1/4 | 10   | 1/4 | .276 (7)  | 1.063 (27)   | 1.524 (38.7) | .866 (22) | .681 (17.3) | 10    |
| 54117 00 022 | 54117-10-3/8 | 10   | 3/8 | .315 (8)  | 1.063 (27)   | 1.524 (38.7) | .866 (22) | .681 (17.3) | 10    |
| 54117 00 023 | 54117-10-1/2 | 10   | 1/2 | .394 (10) | 1.063 (27)   | 1.563 (39.7) | .866 (22) | .681 (17.3) | 10    |
| 54117 00 025 | 54117-12-3/8 | 12   | 3/8 | .315 (8)  | 1.217 (30.9) | 1.720 (43.7) | .984 (25) | .787 (20)   | 10    |
| 54117 00 026 | 54117-12-1/2 | 12   | 1/2 | .394 (10) | 1.217 (30.9) | 1.760 (44.7) | .984 (25) | .787 (20)   | 10    |

## 54130

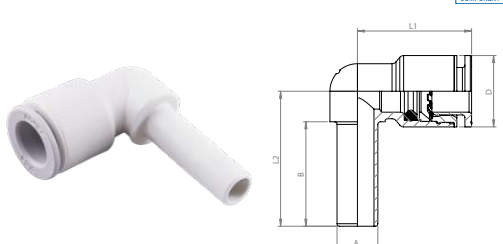
ELBOW CONNECTOR



| Code         | Usa Ref     | Tube | Tube | D           | L1           | L2           | Pack. |
|--------------|-------------|------|------|-------------|--------------|--------------|-------|
| 54130 00 002 | 54130-4     | 4    | 4    | .343 (8.7)  | .587 (14.9)  | .587 (14.9)  | 10    |
| 54130 00 014 | 54130-6-4   | 6    | 4    | .421 (10.7) | .697 (17.7)  | .689 (17.5)  | 10    |
| 54130 00 004 | 54130-6     | 6    | 6    | .421 (10.7) | .697 (17.7)  | .697 (17.7)  | 10    |
| 54130 00 009 | 54130-8-6   | 8    | 6    | .551 (14)   | .882 (22.4)  | .862 (21.9)  | 10    |
| 54130 00 005 | 54130-8     | 8    | 8    | .551 (14)   | .882 (22.4)  | .882 (22.4)  | 10    |
| 54130 00 010 | 54130-10-8  | 10   | 8    | .681 (17.3) | 1.063 (27)   | 1.039 (26.4) | 10    |
| 54130 00 006 | 54130-10    | 10   | 10   | .681 (17.3) | 1.063 (27)   | 1.063 (27)   | 10    |
| 54130 00 011 | 54130-12-10 | 12   | 10   | .787 (20)   | 1.217 (30.9) | 1.201 (30.5) | 10    |
| 54130 00 007 | 54130-12    | 12   | 12   | .787 (20)   | 1.217 (30.9) | 1.217 (30.9) | 10    |

## 54140

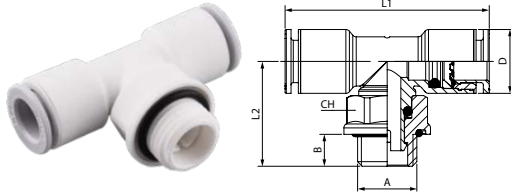
ORIENTING ELBOW



| Code         | Usa Ref     | Tube | A  | B           | L1           | L2           | D           | Pack. |
|--------------|-------------|------|----|-------------|--------------|--------------|-------------|-------|
| 54140 00 001 | 54140-4     | 4    | 4  | .591 (15)   | .587 (14.9)  | .728 (18.5)  | .343 (8.7)  | 10    |
| 54140 00 002 | 54140-4-6   | 4    | 6  | .689 (17.5) | .689 (17.5)  | .886 (22.5)  | .421 (10.7) | 10    |
| 54140 00 005 | 54140-6     | 6    | 6  | .689 (17.5) | .697 (17.7)  | .886 (22.5)  | .421 (10.7) | 10    |
| 54140 00 012 | 54140-6-8   | 6    | 8  | .807 (20.5) | .862 (21.9)  | 1.043 (26.5) | .551 (14)   | 10    |
| 54140 00 007 | 54140-8     | 8    | 8  | .807 (20.5) | .882 (22.4)  | 1.043 (26.5) | .551 (14)   | 10    |
| 54140 00 008 | 54140-8-10  | 8    | 10 | .945 (24)   | 1.039 (26.4) | 1.240 (31.5) | .681 (17.3) | 10    |
| 54140 00 009 | 54140-10    | 10   | 10 | .945 (24)   | 1.063 (27)   | 1.240 (31.5) | .681 (17.3) | 10    |
| 54140 00 010 | 54140-10-12 | 10   | 12 | 1.063 (27)  | 1.201 (30.5) | 1.398 (35.5) | .787 (20)   | 10    |
| 54140 00 011 | 54140-12    | 12   | 12 | 1.063 (27)  | 1.217 (30.9) | 1.398 (35.5) | .787 (20)   | 10    |

## 54216

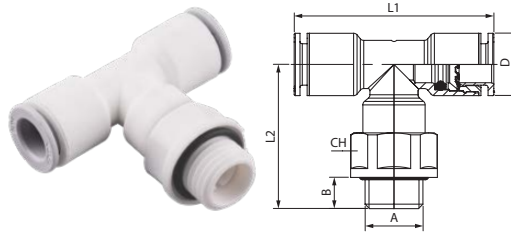
REDUCED SWIVELING TEE MALE ADAPTOR  
(PARALLEL)-CENTRE LEG



| Code         | Usa Ref      | Tube | A   | B         | L1           | L2           | CH        | D           | Pack. |
|--------------|--------------|------|-----|-----------|--------------|--------------|-----------|-------------|-------|
| 54216 00 004 | 54216-4-1/8  | 4    | 1/8 | .236 (6)  | 1.173 (29.8) | .740 (18.8)  | .472 (12) | .343 (8.7)  | 10    |
| 54216 00 005 | 54216-4-1/4  | 4    | 1/4 | .276 (7)  | 1.173 (29.8) | .799 (20.3)  | .472 (12) | .343 (8.7)  | 10    |
| 54216 00 013 | 54216-6-1/8  | 6    | 1/8 | .236 (6)  | 1.291 (32.8) | .780 (19.8)  | .551 (14) | .421 (10.7) | 10    |
| 54216 00 014 | 54216-6-1/4  | 6    | 1/4 | .276 (7)  | 1.291 (32.8) | .819 (20.8)  | .551 (14) | .421 (10.7) | 10    |
| 54216 00 017 | 54216-8-1/8  | 8    | 1/8 | .236 (6)  | 1.764 (44.8) | .846 (21.5)  | .551 (14) | .551 (14)   | 10    |
| 54216 00 018 | 54216-8-1/4  | 8    | 1/4 | .276 (7)  | 1.764 (44.8) | .906 (23)    | .630 (16) | .551 (14)   | 10    |
| 54216 00 019 | 54216-8-3/8  | 8    | 3/8 | .315 (8)  | 1.764 (44.8) | .984 (25)    | .630 (16) | .551 (14)   | 10    |
| 54216 00 021 | 54216-10-1/4 | 10   | 1/4 | .276 (7)  | 2.126 (54)   | .984 (25)    | .630 (16) | .681 (17.3) | 10    |
| 54216 00 022 | 54216-10-3/8 | 10   | 3/8 | .315 (8)  | 2.126 (54)   | 1.063 (27)   | .709 (18) | .681 (17.3) | 10    |
| 54216 00 023 | 54216-10-1/2 | 10   | 1/2 | .394 (10) | 2.126 (54)   | 1.201 (30.5) | .709 (18) | .681 (17.3) | 10    |
| 54216 00 025 | 54216-12-3/8 | 12   | 3/8 | .315 (8)  | 2.433 (61.8) | 1.102 (28)   | .709 (18) | .787 (20)   | 10    |
| 54216 00 026 | 54216-12-1/2 | 12   | 1/2 | .394 (10) | 2.433 (61.8) | 1.240 (31.5) | .787 (20) | .787 (20)   | 10    |

## 54217

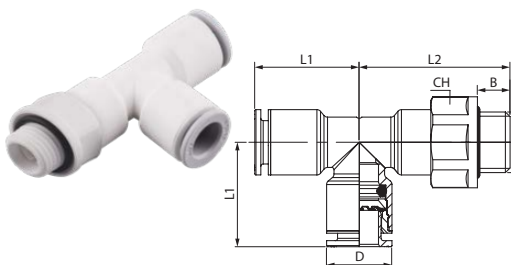
SWIVELING TEE MALE ADAPTOR  
(PARALLEL)-CENTRE LEG



| Code         | Usa Ref      | Tube | A   | B         | L1           | L2           | CH        | D           | Pack. |
|--------------|--------------|------|-----|-----------|--------------|--------------|-----------|-------------|-------|
| 54217 00 004 | 54217-4-1/8  | 4    | 1/8 | .236 (6)  | 1.173 (29.8) | .925 (23.5)  | .472 (12) | .343 (8.7)  | 10    |
| 54217 00 005 | 54217-4-1/4  | 4    | 1/4 | .276 (7)  | 1.173 (29.8) | .965 (24.5)  | .472 (12) | .343 (8.7)  | 10    |
| 54217 00 013 | 54217-6-1/8  | 6    | 1/8 | .236 (6)  | 1.394 (35.4) | 1.043 (26.5) | .551 (14) | .421 (10.7) | 10    |
| 54217 00 014 | 54217-6-1/4  | 6    | 1/4 | .276 (7)  | 1.394 (35.4) | 1.083 (27.5) | .551 (14) | .421 (10.7) | 10    |
| 54217 00 017 | 54217-8-1/8  | 8    | 1/8 | .236 (6)  | 1.764 (44.8) | 1.276 (32.4) | .709 (18) | .551 (14)   | 10    |
| 54217 00 018 | 54217-8-1/4  | 8    | 1/4 | .276 (7)  | 1.764 (44.8) | 1.276 (32.4) | .709 (18) | .551 (14)   | 10    |
| 54217 00 019 | 54217-8-3/8  | 8    | 3/8 | .315 (8)  | 1.764 (44.8) | 1.315 (33.4) | .709 (18) | .551 (14)   | 10    |
| 54217 00 021 | 54217-10-1/4 | 10   | 1/4 | .276 (7)  | 2.126 (54)   | 1.524 (38.7) | .866 (22) | .681 (17.3) | 10    |
| 54217 00 022 | 54217-10-3/8 | 10   | 3/8 | .315 (8)  | 2.126 (54)   | 1.524 (38.7) | .866 (22) | .681 (17.3) | 10    |
| 54217 00 023 | 54217-10-1/2 | 10   | 1/2 | .394 (10) | 2.126 (54)   | 1.563 (39.7) | .866 (22) | .681 (17.3) | 10    |
| 54217 00 025 | 54217-12-3/8 | 12   | 3/8 | .315 (8)  | 2.433 (61.8) | 1.720 (43.7) | .984 (25) | .787 (20)   | 10    |
| 54217 00 026 | 54217-12-1/2 | 12   | 1/2 | .394 (10) | 2.433 (61.8) | 1.760 (44.7) | .984 (25) | .787 (20)   | 10    |

## 54227

ORIENTING TEE MALE ADAPTOR  
(PARALLEL) - OFF - SET LEG



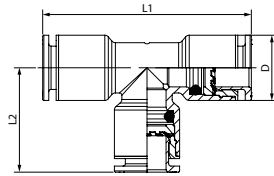
| Code         | Usa Ref      | Tube | A   | B         | L1           | L2           | CH        | D           | Pack. |
|--------------|--------------|------|-----|-----------|--------------|--------------|-----------|-------------|-------|
| 54227 00 004 | 54227-4-1/8  | 4    | 1/8 | .236 (6)  | .587 (14.9)  | .925 (23.5)  | .472 (12) | .343 (8.7)  | 10    |
| 54227 00 005 | 54227-4-1/4  | 4    | 1/4 | .276 (7)  | .587 (14.9)  | .965 (24.5)  | .472 (12) | .343 (8.7)  | 10    |
| 54227 00 013 | 54227-6-1/8  | 6    | 1/8 | .236 (6)  | .697 (17.7)  | 1.043 (26.5) | .551 (14) | .421 (10.7) | 10    |
| 54227 00 014 | 54227-6-1/4  | 6    | 1/4 | .276 (7)  | .697 (17.7)  | 1.083 (27.5) | .551 (14) | .421 (10.7) | 10    |
| 54227 00 017 | 54227-8-1/8  | 8    | 1/8 | .236 (6)  | .882 (22.4)  | 1.276 (32.4) | .709 (18) | .551 (14)   | 10    |
| 54227 00 018 | 54227-8-1/4  | 8    | 1/4 | .276 (7)  | .882 (22.4)  | 1.276 (32.4) | .709 (18) | .551 (14)   | 10    |
| 54227 00 019 | 54227-8-3/8  | 8    | 3/8 | .315 (8)  | .882 (22.4)  | 1.315 (33.4) | .709 (18) | .551 (14)   | 10    |
| 54227 00 021 | 54227-10-1/4 | 10   | 1/4 | .276 (7)  | 1.063 (27)   | 1.524 (38.7) | .866 (22) | .681 (17.3) | 10    |
| 54227 00 022 | 54227-10-3/8 | 10   | 3/8 | .315 (8)  | 1.063 (27)   | 1.524 (38.7) | .866 (22) | .681 (17.3) | 10    |
| 54227 00 023 | 54227-10-1/2 | 10   | 1/2 | .394 (10) | 1.063 (27)   | 1.563 (39.7) | .866 (22) | .681 (17.3) | 10    |
| 54227 00 025 | 54227-12-3/8 | 12   | 3/8 | .315 (8)  | 1.217 (30.9) | 1.720 (43.7) | .984 (25) | .787 (20)   | 10    |
| 54227 00 026 | 54227-12-1/2 | 12   | 1/2 | .394 (10) | 1.217 (30.9) | 1.760 (44.7) | .984 (25) | .787 (20)   | 10    |

## 54230

### TEE CONNECTOR



COMPONENT



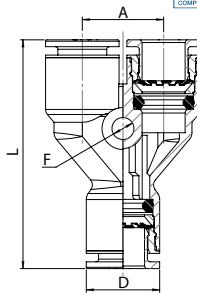
| Code         | Usa Ref  | Tube | L1           | L2           | D           | Pack. |
|--------------|----------|------|--------------|--------------|-------------|-------|
| 54230 00 002 | 54230-4  | 4    | 1.173 (29.8) | .587 (14.9)  | .343 (8.7)  | 10    |
| 54230 00 004 | 54230-6  | 6    | 1.394 (35.4) | .697 (17.7)  | .421 (10.7) | 10    |
| 54230 00 005 | 54230-8  | 8    | 1.764 (44.8) | .882 (22.4)  | .551 (14)   | 10    |
| 54230 00 006 | 54230-10 | 10   | 2.126 (54)   | 1.063 (27)   | .681 (17.3) | 10    |
| 54230 00 007 | 54230-12 | 12   | 2.433 (61.8) | 1.217 (30.9) | .787 (20)   | 10    |

## 54310

### Y CONNECTOR



COMPONENT



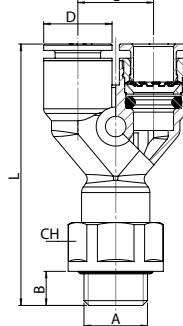
| Code         | Usa Ref  | Tube | A           | L            | F          | D           | Pack. |
|--------------|----------|------|-------------|--------------|------------|-------------|-------|
| 54310 00 005 | 54310-8  | 8    | .610 (15.5) | 1.717 (43.6) | .165 (4.2) | .551 (14)   | 10    |
| 54310 00 006 | 54310-10 | 10   | .728 (18.5) | 2.055 (52.2) | .165 (4.2) | .681 (17.3) | 10    |
| 54310 00 007 | 54310-12 | 12   | .846 (21.5) | 2.236 (56.8) | .165 (4.2) | .787 (20)   | 10    |

## 54327

### ADJUSTABLE Y CONNECTOR MALE (PARALLEL THREAD)



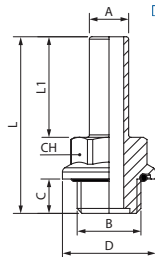
COMPONENT



| Code         | Usa Ref      | Tube | A   | B         | C           | L            | CH        | D           | Pack. |
|--------------|--------------|------|-----|-----------|-------------|--------------|-----------|-------------|-------|
| 54327 00 007 | 54327-8-1/8  | 8    | 1/8 | .236 (6)  | .610 (15.5) | 2.110 (53.6) | .709 (18) | .551 (14)   | 10    |
| 54327 00 008 | 54327-8-1/4  | 8    | 1/4 | .276 (7)  | .610 (15.5) | 2.110 (53.6) | .709 (18) | .551 (14)   | 10    |
| 54327 00 010 | 54327-8-3/8  | 8    | 3/8 | .315 (8)  | .610 (15.5) | 2.150 (54.6) | .709 (18) | .551 (14)   | 10    |
| 54327 00 011 | 54327-10-1/4 | 10   | 1/4 | .276 (7)  | .728 (18.5) | 2.516 (63.9) | .866 (22) | .681 (17.3) | 10    |
| 54327 00 012 | 54327-10-3/8 | 10   | 3/8 | .315 (8)  | .728 (18.5) | 2.516 (63.9) | .866 (22) | .681 (17.3) | 10    |
| 54327 00 013 | 54327-10-1/2 | 10   | 1/2 | .394 (10) | .728 (18.5) | 2.555 (64.9) | .866 (22) | .681 (17.3) | 10    |
| 54327 00 014 | 54327-12-3/8 | 12   | 3/8 | .315 (8)  | .846 (21.5) | 2.740 (69.6) | .984 (25) | .787 (20)   | 10    |
| 54327 00 015 | 54327-12-1/2 | 12   | 1/2 | .394 (10) | .846 (21.5) | 2.780 (70.6) | .984 (25) | .787 (20)   | 10    |

## 54600

MALE ADAPTOR PARALLEL

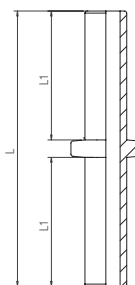


COMPONENT

| Code         | Usa Ref      | A  | B   | C         | D          | L            | L1          | CH        | Pack. |
|--------------|--------------|----|-----|-----------|------------|--------------|-------------|-----------|-------|
| 54600 00 002 | 54600-4-1/8  | 4  | 1/8 | .236 (6)  | .630 (16)  | 1.142 (29)   | .591 (15)   | .472 (12) | 10    |
| 54600 00 003 | 54600-6-1/8  | 6  | 1/8 | .236 (6)  | .630 (16)  | 1.220 (31)   | .689 (17.5) | .512 (13) | 10    |
| 54600 00 004 | 54600-6-1/4  | 6  | 1/4 | .276 (7)  | .748 (19)  | 1.299 (33)   | .689 (17.5) | .551 (14) | 10    |
| 54600 00 019 | 54600-6-3/8  | 6  | 3/8 | .315 (8)  | .866 (22)  | 1.378 (35)   | .689 (17.5) | .551 (14) | 10    |
| 54600 00 005 | 54600-8-1/8  | 8  | 1/8 | .236 (6)  | .630 (16)  | 1.339 (34)   | .807 (20.5) | .512 (13) | 10    |
| 54600 00 006 | 54600-8-1/4  | 8  | 1/4 | .276 (7)  | .748 (19)  | 1.417 (36)   | .807 (20.5) | .551 (14) | 10    |
| 54600 00 007 | 54600-8-3/8  | 8  | 3/8 | .315 (8)  | .866 (22)  | 1.496 (38)   | .807 (20.5) | .630 (16) | 10    |
| 54600 00 008 | 54600-10-1/4 | 10 | 1/4 | .276 (7)  | .748 (19)  | 1.575 (40)   | .945 (24)   | .630 (16) | 10    |
| 54600 00 009 | 54600-10-3/8 | 10 | 3/8 | .315 (8)  | .866 (22)  | 1.654 (42)   | .945 (24)   | .630 (16) | 10    |
| 54600 00 017 | 54600-10-1/2 | 10 | 1/2 | .394 (10) | 1.063 (27) | 1.811 (46)   | .945 (24)   | .709 (18) | 10    |
| 54600 00 011 | 54600-12-3/8 | 12 | 3/8 | .315 (8)  | .866 (22)  | 1.772 (45)   | 1.063 (27)  | .709 (18) | 10    |
| 54600 00 020 | 54600-12-1/2 | 12 | 1/2 | .394 (10) | 1.063 (27) | 1.319 (33.5) | .866 (22)   | .787 (20) | 10    |

## 54625

DOUBLE JOINT

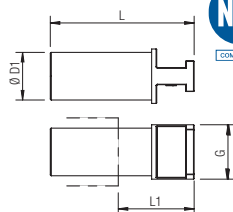


COMPONENT

| Code              | Usa Ref  | Tube | L            | L1          | Pack. |
|-------------------|----------|------|--------------|-------------|-------|
| 54625 00 B4 X1 00 | 54625-4  | 4    | 1.358 (34.5) | .630 (16)   | 10    |
| 54625 00 B4 X4 00 | 54625-6  | 6    | 1.555 (39.5) | .728 (18.5) | 10    |
| 54625 00 B4 X7 00 | 54625-8  | 8    | 1.654 (42)   | .768 (19.5) | 10    |
| 54625 00 B4 X9 00 | 54625-10 | 10   | 2.028 (51.5) | .945 (24)   | 10    |
| 54625 00 B4 Y1 00 | 54625-12 | 12   | 2.362 (60)   | 1.102 (28)  | 10    |

## 54610

PLUG



COMPONENT

| Code              | Usa Ref  | ØD1 | G         | L            | L1          | Pack. |
|-------------------|----------|-----|-----------|--------------|-------------|-------|
| 54610 00 B4 X1 00 | 54610-4  | 4   | .236 (6)  | 1.161 (29.5) | .610 (15.5) | 10    |
| 54610 00 B4 X4 00 | 54610-6  | 6   | .315 (8)  | 1.260 (32)   | .610 (15.5) | 10    |
| 54610 00 B4 X7 00 | 54610-8  | 8   | .394 (10) | 1.398 (35.5) | .768 (19.5) | 10    |
| 54610 00 B4 X9 00 | 54610-10 | 10  | .472 (12) | 1.575 (40)   | .768 (19.5) | 10    |
| 54610 00 B4 Y1 00 | 54610-12 | 12  | .551 (14) | 1.634 (41.5) | .787 (20)   | 10    |

## 54700

REDUCER

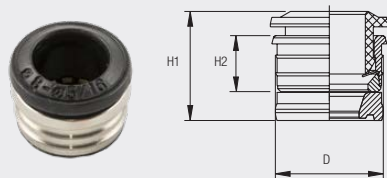


COMPONENT

| Code         | Usa Ref     | A  | B  | L            | D           | Pack. |
|--------------|-------------|----|----|--------------|-------------|-------|
| 54700 00 001 | 54700-6-4   | 6  | 4  | 1.130 (28.7) | .343 (8.7)  | 10    |
| 54700 00 008 | 54700-8-4   | 8  | 4  | 1.386 (35.2) | .441 (11.2) | 10    |
| 54700 00 002 | 54700-8-6   | 8  | 6  | 1.394 (35.4) | .441 (11.2) | 10    |
| 54700 00 011 | 54700-10-6  | 10 | 6  | 1.551 (39.4) | .551 (14)   | 10    |
| 54700 00 003 | 54700-10-8  | 10 | 8  | 1.571 (39.9) | .551 (14)   | 10    |
| 54700 00 007 | 54700-12-8  | 12 | 8  | 1.807 (45.9) | .681 (17.3) | 10    |
| 54700 00 010 | 54700-12-10 | 12 | 10 | 1.831 (46.5) | .681 (17.3) | 10    |

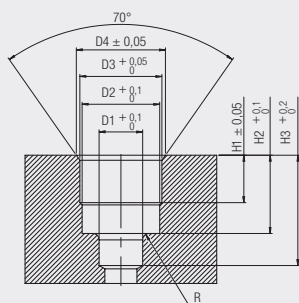
# 55800EN

(EPDM) PUSH-FIT CARTRIDGES



| Code         | Usa Ref  | Tube | D            | H1          | H2          | Pack. |
|--------------|----------|------|--------------|-------------|-------------|-------|
| 55800 E0 N01 | 55800-4  | 4    | .343 (8.7)   | .429 (10.9) | .220 (5.6)  | 25    |
| 55800 E0 N03 | 55800-6  | 6    | .423 (10.75) | .508 (12.9) | .272 (6.9)  | 25    |
| 55800 E0 N04 | 55800-8  | 8    | .500 (12.7)  | .512 (13)   | .270 (6.85) | 25    |
| 55800 E0 N05 | 55800-10 | 10   | .618 (15.7)  | .610 (15.5) | .335 (8.5)  | 25    |
| 55800 E0 N06 | 55800-12 | 12   | .720 (18.3)  | .697 (17.7) | .374 (9.5)  | 25    |

## SEAT



Seats dimensions push-fit cartridges.

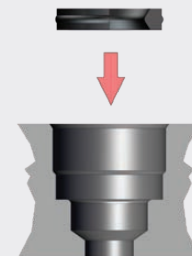
| Tube | D1          | D2          | D3           | D4           | H1          | H2          | H3          | R           |
|------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|
| 4    | .165 (4.2)  | .293 (7.45) | .331 (8.4)   | .354 (9)     | .148 (3.75) | .256 (6.5)  | .374 (9.5)  | .020 (0.5)  |
| 6    | .244 (6.2)  | .368 (9.35) | .411 (10.45) | .447 (11.35) | .197 (5)    | .335 (8.5)  | .453 (11.5) | .020 (0.5)  |
| 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) |
| 10   | .402 (10.2) | .571 (14.5) | .606 (15.4)  | .630 (16)    | .264 (6.7)  | .413 (10.5) | .591 (15)   | .030 (0.75) |
| 12   | .480 (12.2) | .669 (17)   | .709 (18)    | .748 (19)    | .295 (7.5)  | .476 (12.1) | .669 (17)   | .039 (1)    |

## PUSH-FIT CARTRIDGES ASSEMBLING INSTRUCTIONS ART. 55800EN

- 1 Make the seat for the cartridge utilizing the suitable tool Art. 55801.



- 2 Insert the seal inside of the seat.



3

Insert the cartridge into the assembling tool Art. 55802.



4

Press the cartridge inside of the seat until it will be reached the abutment surface with the assembling tool.



## 55801

TOOL FOR PUSH-FIT CARTRIDGES SEAT



| Code         | Usa Ref  | Tube | ø Body | Pack. |
|--------------|----------|------|--------|-------|
| 55801 00 001 | 55801-4  | 4    | 10 mm  | 1     |
| 55801 00 002 | 55801-6  | 6    | 12 mm  | 1     |
| 55801 00 003 | 55801-8  | 8    | 12 mm  | 1     |
| 55801 00 004 | 55801-10 | 10   | 16 mm  | 1     |
| 55801 00 005 | 55801-12 | 12   | 16 mm  | 1     |

## 55802

ASSEMBLING TOOL FOR PUSH-FIT CARTRIDGES



| Code         | Usa Ref  | Tube | Pack. |
|--------------|----------|------|-------|
| 55802 00 002 | 55802-4  | 4    | 1     |
| 55802 00 004 | 55802-6  | 6    | 1     |
| 55802 00 005 | 55802-8  | 8    | 1     |
| 55802 00 006 | 55802-10 | 10   | 1     |
| 55802 00 007 | 55802-12 | 12   | 1     |

## SPRINGFIT ACCESSORIES



**Fluids**  
Vacuum / Water / Food



**Certification of the plastic material**

M.O.C.A.  
1935/2004 CE

FDA  
CFR 21



**Pressures**

145 Psi (10 bar)



**Temperatures**

- 40 °F  
+ 176 °F  
+ 212 °F (Max 1 hour)

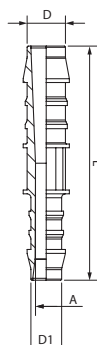


**Materials**

POM FOOD GRADE

## 14040

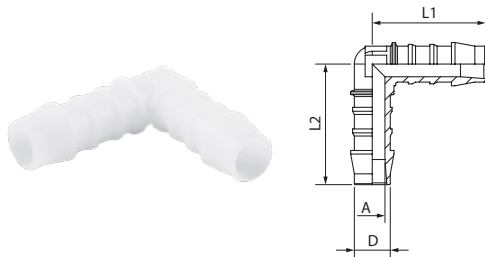
STRAIGHT HOSE ADAPTOR



| Code              | Usa Ref     | D  | D1 | A          | L            | Pack. |
|-------------------|-------------|----|----|------------|--------------|-------|
| 14040 00 95 X1 00 | 14040-4     | 4  | 4  | .106 (2.7) | 1.378 (35)   | 20    |
| 14040 00 95 FM 00 | 14040-6-4   | 6  | 4  | .106 (2.7) | 1.673 (42.5) | 20    |
| 14040 00 95 X4 00 | 14040-6     | 6  | 6  | .157 (4)   | 1.929 (49)   | 20    |
| 14040 00 95 GF 00 | 14040-8-6   | 8  | 6  | .157 (4)   | 2.126 (54)   | 20    |
| 14040 00 95 X7 00 | 14040-8     | 8  | 8  | .220 (5.6) | 2.205 (56)   | 20    |
| 14040 00 95 PR 00 | 14040-10-6  | 10 | 6  | .157 (4)   | 2.283 (58)   | 20    |
| 14040 00 95 FQ 00 | 14040-10-8  | 10 | 8  | .220 (5.6) | 2.382 (60.5) | 20    |
| 14040 00 95 X9 00 | 14040-10    | 10 | 10 | .276 (7)   | 2.480 (63)   | 20    |
| 14040 00 95 GT 00 | 14040-12-8  | 12 | 8  | .220 (5.6) | 2.461 (62.5) | 20    |
| 14040 00 95 FS 00 | 14040-12-10 | 12 | 10 | .276 (7)   | 2.520 (64)   | 20    |
| 14040 00 95 Y1 00 | 14040-12    | 12 | 12 | .339 (8.6) | 2.618 (66.5) | 20    |

# 14130

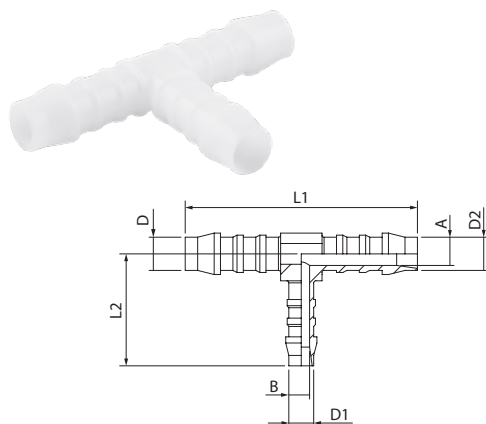
## ELBOW HOSE ADAPTOR



| Code              | Usa Ref  | D  | A          | L1           | L2           | Pack. |
|-------------------|----------|----|------------|--------------|--------------|-------|
| 14130 00 95 X1 00 | 14130-4  | 4  | .098 (2.5) | .689 (17.5)  | .768 (19.5)  | 20    |
| 14130 00 95 X4 00 | 14130-6  | 6  | .157 (4)   | .984 (25)    | 1.024 (26)   | 20    |
| 14130 00 95 X7 00 | 14130-8  | 8  | .220 (5.6) | 1.142 (29)   | 1.181 (30)   | 20    |
| 14130 00 95 X9 00 | 14130-10 | 10 | .276 (7)   | 1.220 (31)   | 1.319 (33.5) | 20    |
| 14130 00 95 Y1 00 | 14130-12 | 12 | .339 (8.6) | 1.358 (34.5) | 1.417 (36)   | 20    |

# 14230

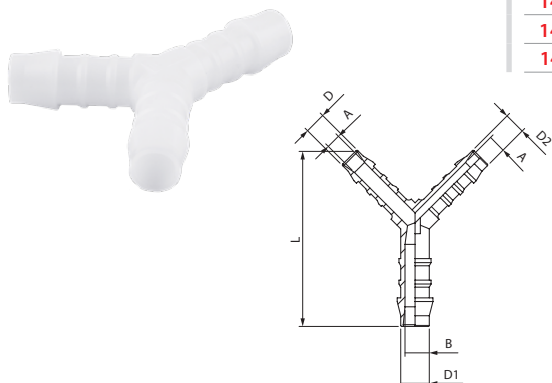
## TEE HOSE ADAPTOR



| Code              | Usa Ref        | D  | D1 | D2 | A          | B          | L1           | L2           | Pack. |
|-------------------|----------------|----|----|----|------------|------------|--------------|--------------|-------|
| 14230 00 95 X1 00 | 14230-4        | 4  | 4  | 4  | .106 (2.7) | .106 (2.7) | 1.378 (35)   | .768 (19.5)  | 20    |
| 14230 00 95 GR 00 | 14230-4-6-4    | 4  | 6  | 4  | .106 (2.7) | .157 (4)   | 1.457 (37)   | .945 (24)    | 20    |
| 14230 00 95 X4 00 | 14230-6        | 6  | 6  | 6  | .157 (4)   | .157 (4)   | 1.969 (50)   | 1.024 (26)   | 20    |
| 14230 00 95 KC 00 | 14230-8-4-8    | 8  | 4  | 8  | .220 (5.6) | .098 (2.5) | 2.205 (56)   | .866 (22)    | 20    |
| 14230 00 95 GF 00 | 14230-8-6-8    | 8  | 6  | 8  | .220 (5.6) | .157 (4)   | 2.205 (56)   | 1.102 (28)   | 20    |
| 14230 00 95 X7 00 | 14230-8        | 8  | 8  | 8  | .220 (5.6) | .220 (5.6) | 2.283 (58)   | 1.181 (30)   | 20    |
| 14230 00 95 PR 00 | 14230-10-6-10  | 10 | 6  | 10 | .276 (7)   | .157 (4)   | 2.441 (62)   | 1.102 (28)   | 20    |
| 14230 00 95 FQ 00 | 14230-10-8-10  | 10 | 8  | 10 | .276 (7)   | .220 (5.6) | 2.441 (62)   | 1.220 (31)   | 20    |
| 14230 00 95 X9 00 | 14230-10       | 10 | 10 | 10 | .276 (7)   | .276 (7)   | 2.461 (62.5) | 1.319 (33.5) | 20    |
| 14230 00 95 FS 00 | 14230-12-10-12 | 12 | 10 | 12 | .339 (8.6) | .276 (7)   | 2.717 (69)   | 1.299 (33)   | 20    |
| 14230 00 95 Y1 00 | 14230-12       | 12 | 12 | 12 | .339 (8.6) | .339 (8.6) | 2.717 (69)   | 1.417 (36)   | 20    |

# 14310

## Y HOSE ADAPTOR



| Code              | Usa Ref     | D  | D1 | D2 | A          | B          | L            | Pack. |
|-------------------|-------------|----|----|----|------------|------------|--------------|-------|
| 14310 00 95 X1 00 | 14310-4     | 4  | 4  | 4  | .098 (2.5) | .098 (2.5) | 1.004 (25.5) | 20    |
| 14310 00 95 GR 00 | 14310-4-6-4 | 4  | 6  | 4  | .106 (2.7) | .157 (4)   | 1.378 (35)   | 20    |
| 14310 00 95 X4 00 | 14310-6     | 6  | 6  | 6  | .157 (4)   | .157 (4)   | 1.732 (44)   | 20    |
| 14310 00 95 GS 00 | 14310-6-8-6 | 6  | 8  | 6  | .157 (4)   | .220 (5.6) | 1.929 (49)   | 20    |
| 14310 00 95 X7 00 | 14310-8     | 8  | 8  | 8  | .220 (5.6) | .220 (5.6) | 2.008 (51)   | 20    |
| 14310 00 95 X9 00 | 14310-10    | 10 | 10 | 10 | .276 (7)   | .276 (7)   | 2.126 (54)   | 20    |
| 14310 00 95 Y1 00 | 14310-12    | 12 | 12 | 12 | .339 (8.6) | .339 (8.6) | 2.520 (64)   | 20    |