



**ADVANCED  
TECHNOLOGY  
PRODUCTS**

# Product Catalog

*Quality Focused, Customer Driven*

Rev 11/19



## **Limited Warranty**

Advanced Technology Products expressly excludes all warranties, guarantees and representations; express or implied, including but not limited to warranties of merchantability, material, workmanship, design and suitability for a specified or intended purpose.

Products shall be free of defects in material and workmanship for a period of one (1) year after shipment.

If the product purchased is defective in any way during the one (1) year period, please contact ATP for an RGA number to return the product. No unauthorized returns will be accepted. Ship product prepaid to ATP for a full evaluation. If the product is found to be defective, ATP will repair or replace the product at no charge to the customer at ATP's sole discretion.

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## **Technical Drawings and Supporting Documentation**

Advanced Technology Products maintains a collection of drawings, MSDS sheets, and other documentation that is available for use by customers. This information may not be available on the ATP website. A reasonable attempt will be made to furnish supporting documentation.

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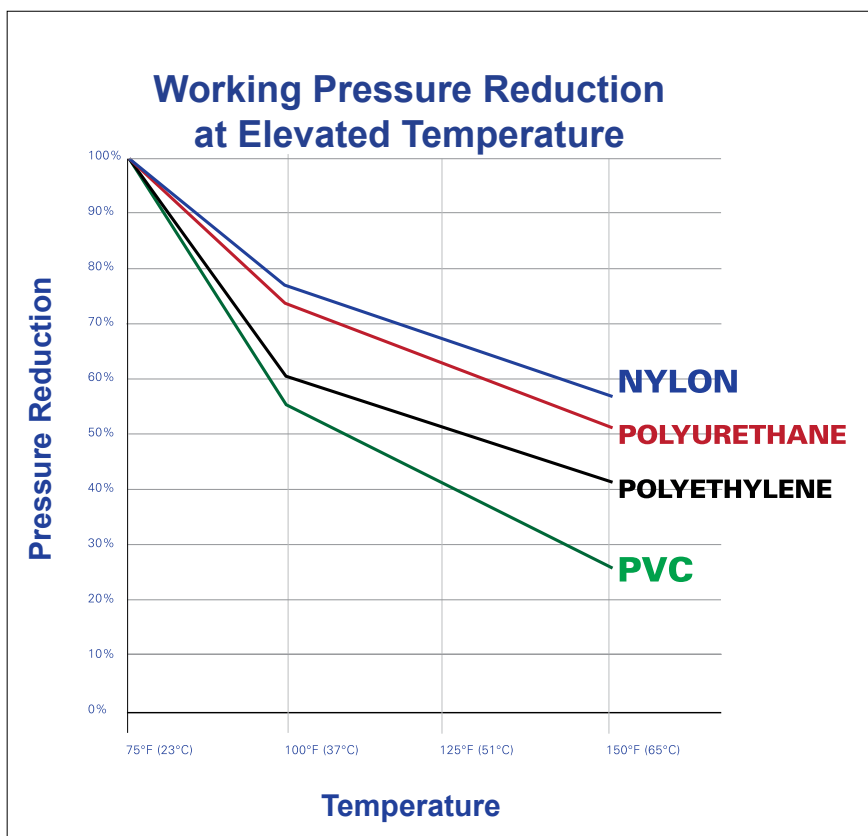
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# Tubing & Hose

## General Tubing Information



## Non-Stock & Private Label Minimum Runs

| Tubing O.D. | PU (Surethane® & Monoshield™) | Nylon (Nylochem®) | LLDPE (Value-Tube™ NSF 61®) |
|-------------|-------------------------------|-------------------|-----------------------------|
| 1/8"        | 20,000'                       | 35,000'           | 35,000'                     |
| 5/32", 4mm  | 20,000'                       | 35,000'           | 35,000'                     |
| 3/16"       | 18,000'                       |                   |                             |
| 1/4", 6mm   | 20,000'                       | 35,000'           | 35,000'                     |
| 5/16", 8mm  | 10,000'                       | 17,000'           | 17,000'                     |
| 3/8", 10mm  | 8,500'                        | 20,000'           | 20,000'                     |
| 1/2", 12mm  | 5,000'                        | 10,000'           | 10,000'                     |
| 9/16"       | 3,000'                        |                   |                             |
| 5/8"        | 2,500'                        | 8,000'            |                             |
| 3/4"        | 2,500'                        | 3,500'            |                             |
| 1"          |                               | 3,000'            |                             |
| 14mm        |                               |                   | 8,000'                      |
| 16mm        | 2,500'                        |                   | 5,500'                      |

The above minimum runs requirements are for non-stocked and special private label manufacturing to maintain standard pricing. If lower quantities are required, consult ATP for special quoting.



## 98A Polyurethane Tubing

Surethane® Polyurethane Tubing is extruded by ATP from ether-based resin, providing excellent resistance to hydrolysis and oil. Surethane's 98A durometer construction provides abrasion resistance and memory support.

- Certified for Direct Contact with Food Components and Equipment
- Superior Kink Resistance
- Excellent Flexibility over a Broad Temperature Range
- Abrasion-Resistant
- Largest Size and Color Range in ATP's Offering
- Resists Moisture Absorption
- Optional UV Resistance

| Specifications                                    |                   |
|---------------------------------------------------|-------------------|
| Temperature Range                                 | -40°F to 160°F*   |
| Vacuum Rating                                     | 28" HG            |
| Tolerance (1/8" to 1/2")                          | +/- .005"         |
| Tolerance (9/16" to 3/4")                         | +/- .006"         |
| Hardness                                          | Shore 98A         |
| Safety Factor                                     | 3:1               |
| Material                                          | PU (Polyurethane) |
| Pressure Range                                    | See Charts        |
| Media                                             | Gases & Liquids   |
| Tariff Code                                       | 3917.32.0000      |
| *Note: Green, Clear Green, Yellow, -40°F to 150°F |                   |

| Certifications/Compliance  |
|----------------------------|
| ROHS Compliant             |
| UL94HB Compliant           |
| NSF 51® Certified          |
| Meets NSF 61® Requirements |

| Fitting Compatibility                    |
|------------------------------------------|
| Technifit™ Push to Connect (Page 34 -48) |
| Compression                              |
| Hose-Barb (Page 67)                      |

**Note:** See Back Cover or Website for Chemical Compatibility

## PU 18 A BK

| Material |        | Outside Diameter |             | Package Lengths |        | Color Code |             |
|----------|--------|------------------|-------------|-----------------|--------|------------|-------------|
| PU       | 98A PU | 18               | 1/8"        | A               | 100'   | BK         | Black       |
|          |        | 04M/532          | 4mm / 5/32" | B               | 250'   | C          | Clear       |
|          |        | 316              | 3/16"       | C               | 500'   | CB         | Clear Blue  |
|          |        | 14               | 1/4"        | D               | 1,000' | CG         | Clear Green |
|          |        | 08M/516          | 8mm / 5/16" | E               | 25m    | CR         | Clear Red   |
|          |        | 38               | 3/8"        | F               | 100m   | G          | Green       |
|          |        | 12               | 1/2"        |                 |        | GY         | Gray        |
|          |        | 916              | 9/16"       |                 |        | LB         | Light Blue  |
|          |        | 58               | 5/8"        |                 |        | LG         | Light Green |
|          |        | 34               | 3/4"        |                 |        | NB         | Navy Blue   |
|          |        | 06M              | 6mm         |                 |        | OR         | Orange      |
|          |        | 10M              | 10mm        |                 |        | R          | Red         |
|          |        | 12M              | 12mm        |                 |        | W          | White       |
|          |        | 16M              | 16mm        |                 |        | Y          | Yellow      |

| Material Availability by Color Code                                                                                                             |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|---|
| Model                                                                                                                                           | BK | C  | CB | CG | CR | CY | G  | GY | LB | LG | NB | OR | R | W  | Y  |   |
| PU316                                                                                                                                           | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X | X  | X  | X |
| PU18                                                                                                                                            | LQ | ✓  | LQ | X  | X  | X  | X  | X  | X  | X  | X  | X  | X | X  | X  | X |
| PU04M/532                                                                                                                                       | ✓  | ✓  | ✓  | X  | X  | X  | LQ | LQ | LQ | LQ | ✓  | LQ | ✓ | LQ | ✓  | ✓ |
| PU316                                                                                                                                           | ✓  | ✓  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X | X  | X  | X |
| PU14                                                                                                                                            | ✓  | ✓  | ✓  | X  | X  | X  | ✓  | ✓  | LQ | X  | ✓  | LQ | ✓ | ✓  | ✓  | ✓ |
| PU08M/516                                                                                                                                       | ✓  | ✓  | X  | X  | LQ | X  | ✓  | X  | ✓  | X  | ✓  | X  | ✓ | LQ | ✓  | ✓ |
| PU38                                                                                                                                            | ✓  | ✓  | ✓  | X  | X  | X  | ✓  | LQ | ✓  | LQ | ✓  | LQ | ✓ | ✓  | ✓  | ✓ |
| PU12                                                                                                                                            | ✓  | ✓  | ✓  | X  | X  | X  | LQ | LQ | ✓  | LQ | ✓  | X  | ✓ | LQ | ✓  | ✓ |
| PU916                                                                                                                                           | X  | ✓  | ✓  | X  | X  | X  | X  | X  | X  | LQ | ✓  | X  | ✓ | X  | LQ | ✓ |
| PU58                                                                                                                                            | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X | X  | X  | X |
| PU34                                                                                                                                            | X  | X  | ✓  | X  | X  | X  | LQ | X  | X  | X  | ✓  | X  | X | X  | X  | X |
| PU06M                                                                                                                                           | ✓  | ✓  | ✓  | X  | X  | X  | LQ | X  | ✓  | X  | ✓  | X  | ✓ | ✓  | ✓  | ✓ |
| PU10M                                                                                                                                           | ✓  | ✓  | ✓  | X  | X  | X  | LQ | X  | ✓  | X  | ✓  | X  | ✓ | X  | ✓  | ✓ |
| PU12M                                                                                                                                           | ✓  | ✓  | ✓  | X  | X  | X  | LQ | X  | X  | X  | ✓  | X  | ✓ | LQ | LQ | ✓ |
| PU16M                                                                                                                                           | LQ | LQ | LQ | X  | X  | X  | LQ | X  | LQ | X  | LQ | X  | X | LQ | LQ | ✓ |
| ✓ = Standard Lead Time      X = Non-Stock, Minimum Runs Required      LQ = Limited Quantities<br>Availability is Subject to Change, Contact ATP |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |   |



# Tubing & Hose

**SURETHANE®**

**NSF51®  
POLYURETHANE  
TUBING**

## Fractional Sizes

| Part Number<br>(Add Color) | OD                | ID                 | Length | Wall<br>Thickness | Bend<br>Radius | Working<br>Pressure at 75°F | Package<br>Weight |
|----------------------------|-------------------|--------------------|--------|-------------------|----------------|-----------------------------|-------------------|
| PU18A_                     | 0.125"<br>(1/8")  | 0.062"<br>(1/16")  | 100'   | 0.031"            | 0.200"         | 240 psi                     | 0.50 lb           |
| PU18B_                     |                   |                    | 250'   |                   |                |                             | 1.25 lb           |
| PU18C_                     |                   |                    | 500'   |                   |                |                             | 2.50 lb           |
| PU18D_                     |                   |                    | 1,000' |                   |                |                             | 5.00 lb           |
| PU04M/532A_                | 0.156"<br>(5/32") | 0.093"<br>(3/32")  | 100'   | 0.031"            | 0.250"         | 200 psi                     | 0.70 lb           |
| PU04M/532B_                |                   |                    | 250'   |                   |                |                             | 1.75 lb           |
| PU04M/532C_                |                   |                    | 500'   |                   |                |                             | 3.50 lb           |
| PU04M/532D_                |                   |                    | 1000'  |                   |                |                             | 7.00 lb           |
| PU316A_                    | 0.187"<br>(3/16") | 0.125"<br>(1/8")   | 100'   | 0.031"            | 0.339"         | 150 psi                     | 1.01 lb           |
| PU316B_                    |                   |                    | 250'   |                   |                |                             | 2.53 lb           |
| PU316C_                    |                   |                    | 500'   |                   |                |                             | 5.05 lb           |
| PU316D_                    |                   |                    | 1000'  |                   |                |                             | 10.10 lb          |
| PU14A_                     | 0.250"<br>(1/4")  | 0.156"<br>(5/32")  | 100'   | 0.047"            | 0.476"         | 180 psi                     | 1.50 lb           |
| PU14B_                     |                   |                    | 250'   |                   |                |                             | 3.75 lb           |
| PU14C_                     |                   |                    | 500'   |                   |                |                             | 7.50 lb           |
| PU14D_                     |                   |                    | 1000'  |                   |                |                             | 15.00 lb          |
| PU08M/516A_                | 0.313"<br>(5/16") | 0.187"<br>(3/16")  | 100'   | 0.063"            | 0.594"         | 175 psi                     | 2.60 lb           |
| PU08M/516B_                |                   |                    | 250'   |                   |                |                             | 6.50 lb           |
| PU08M/516C_                |                   |                    | 500'   |                   |                |                             | 13.00 lb          |
| PU08M/516D_                |                   |                    | 1000'  |                   |                |                             | 26.00 lb          |
| PU38A_                     | 0.375"<br>(3/8")  | 0.250"<br>(1/4")   | 100'   | 0.063"            | 1.000"         | 150 psi                     | 3.40 lb           |
| PU38B_                     |                   |                    | 250'   |                   |                |                             | 8.50 lb           |
| PU38C_                     |                   |                    | 500'   |                   |                |                             | 17.00 lb          |
| PU38D_                     |                   |                    | 1000'  |                   |                |                             | 34.00 lb          |
| PU12A_                     | 0.500"<br>(1/2")  | 0.328"<br>(21/64") | 100'   | 0.086"            | 1.102"         | 150 psi                     | 5.60 lb           |
| PU12B_                     |                   |                    | 250'   |                   |                |                             | 14.90 lb          |
| PU12C_                     |                   |                    | 500'   |                   |                |                             | 28.05 lb          |
| PU916A_                    | 0.562"<br>(9/16") | 0.375"<br>(3/8")   | 100'   | 0.093"            | 1.375"         | 140 psi                     | 7.50 lb           |
| PU916B_                    |                   |                    | 250'   |                   |                |                             | 18.75 lb          |
| PU58A_                     | 0.625"<br>(5/8")  | 0.406"<br>(13/32") | 100'   | 0.109"            | 1.375"         | 140 psi                     | 9.50 lb           |
| PU58B_                     |                   |                    | 250'   |                   |                |                             | 23.75 lb          |
| PU34A_                     | 0.750"<br>(3/4")  | 0.500"<br>(1/2")   | 100'   | 0.125"            | 1.500"         | 140 psi                     | 14.90 lb          |
| PU34B_                     |                   |                    | 250'   |                   |                |                             | 37.25 lb          |

**Note:** See Back Cover or Website for Chemical Compatibility



# Tubing & Hose

**SURETHANE®**

**NSF51®  
POLYURETHANE  
TUBING**

## Metric Sizes

| Part Number<br>(Add Color) | OD   | ID    | Length | Wall<br>Thickness | Bend<br>Radius | Working<br>Pressure at 75°F | Package<br>Weight |
|----------------------------|------|-------|--------|-------------------|----------------|-----------------------------|-------------------|
| PU04M/532A_                | 4mm  | 2.4mm | 100'   | 0.78mm            | 6.35mm         | 200 psi (13,7 Bar)          | 0.70 lb           |
| PU04M/532B_                |      |       | 250'   |                   |                |                             | 1.75 lb           |
| PU04M/532C_                |      |       | 500'   |                   |                |                             | 3.50 lb           |
| PU04M/532D_                |      |       | 1000'  |                   |                |                             | 7.00 lb           |
| PU04M/532E_                |      |       | 25m    |                   |                |                             | 0.57 lb           |
| PU04M/532F_                |      |       | 100m   |                   |                |                             | 2.30 lb           |
| PU06MA_                    | 6mm  | 4mm   | 100'   | 1.00mm            | 12mm           | 180 psi (12,4 Bar)          | 1.30 lb           |
| PU06MB_                    |      |       | 250'   |                   |                |                             | 3.24 lb           |
| PU06MC_                    |      |       | 500'   |                   |                |                             | 6.48 lb           |
| PU06MD_                    |      |       | 1000'  |                   |                |                             | 13.00 lb          |
| PU06ME_                    |      |       | 25m    |                   |                |                             | 1.07 lb           |
| PU06MF_                    |      |       | 100m   |                   |                |                             | 4.28 lb           |
| PU08M/516A_                | 8mm  | 5mm   | 100'   | 1.60mm            | 15mm           | 175 psi (12 Bar)            | 2.60 lb           |
| PU08M/516B_                |      |       | 250'   |                   |                |                             | 6.50 lb           |
| PU08M/516C_                |      |       | 500'   |                   |                |                             | 13.00 lb          |
| PU08M/516D_                |      |       | 1000'  |                   |                |                             | 26.00 lb          |
| PU08M/516E_                |      |       | 25m    |                   |                |                             | 2.13 lb           |
| PU08M/516F_                |      |       | 100m   |                   |                |                             | 8.53 lb           |
| PU10MA_                    | 10mm | 6.5mm | 100'   | 1.75mm            | 25mm           | 150 psi (10,3 Bar)          | 3.90 lb           |
| PU10MB_                    |      |       | 250'   |                   |                |                             | 9.75 lb           |
| PU10MC_                    |      |       | 500'   |                   |                |                             | 19.50 lb          |
| PU10ME_                    |      |       | 25m    |                   |                |                             | 3.25 lb           |
| PU10MF_                    |      |       | 100m   |                   |                |                             | 12.76 lb          |
| PU12MA_                    | 12mm | 8mm   | 100'   | 2.00mm            | 28mm           | 150 psi (10,3 Bar)          | 5.30 lb           |
| PU12MB_                    |      |       | 250'   |                   |                |                             | 13.25 lb          |
| PU12MC_                    |      |       | 500'   |                   |                |                             | 26.50 lb          |
| PU12ME_                    |      |       | 25m    |                   |                |                             | 4.39 lb           |
| PU12MF_                    |      |       | 100m   |                   |                |                             | 17.34 lb          |
| PU16MA_                    | 16mm | 11mm  | 100'   | 2.50mm            | 30mm           | 150 psi (10,3 Bar)          | 9.50 lb           |
| PU16MB_                    |      |       | 250'   |                   |                |                             | 23.75 lb          |
| PU16ME_                    |      |       | 25m    |                   |                |                             | 7.79 lb           |
| PU16MF_                    |      |       | 100m   |                   |                |                             | 31.16 lb          |

**Note:** See Back Cover or Website for Chemical Compatibility



# Tubing & Hose

## SURETHANE 85™ ULTRA-FLEXIBLE POLYURETHANE



## 85A Polyurethane Tubing

Surethane 85™ Polyurethane Tubing is an ultra-flexible, 85A durometer version of Surethane® Polyurethane Tubing. Surethane 85™ is intended for applications where extra flexibility is required.

- Shore 85A Durometer
- Enhanced Flexibility compared to 98A Surethane®
- Ether-Based Resin, Resists Hydrolysis and Oil
- Kink-Resistant
- Abrasion-Resistant

| Specifications    |                   |
|-------------------|-------------------|
| Temperature Range | -40°F to 160°F    |
| Tolerance         | +/- .005"         |
| Hardness          | Shore 85A         |
| Safety Factor     | 3:1               |
| Material          | PU (Polyurethane) |
| Pressure Range    | See Charts        |
| Media             | Gases & Liquids   |
| Tariff Code       | 3917.32.0000      |

## SPU 14 A BK

| Material |        | Tubing OD x ID |               | Package Size |              | Color |           |
|----------|--------|----------------|---------------|--------------|--------------|-------|-----------|
| SPU      | 85A PU | 18             | 1/8" x 1/16"  | A            | 100' (Roll)  | BK    | Black     |
|          |        | 14             | 1/4" x 1/8"   | C            | 500' (Spool) | R     | Red       |
|          |        | 516            | 5/16" x 3/16" |              |              | NB    | Navy Blue |
|          |        | 38             | 3/8" x 1/4"   |              |              | G     | Green     |
|          |        | 12             | 1/2" x 3/8"   |              |              | Y     | Yellow    |

| Material Availability by Color Code |    |   |    |   |   |
|-------------------------------------|----|---|----|---|---|
| Model                               | Bk | R | NB | G | Y |
| SPU18                               | X  | ✓ | ✓  | X | X |
| SPU14                               | X  | ✓ | ✓  | ✓ | ✓ |
| SPU516                              | X  | ✓ | ✓  | ✓ | ✓ |
| SPU38                               | X  | ✓ | ✓  | ✓ | ✓ |
| SPU12                               | X  | ✓ | ✓  | ✓ | ✓ |

✓ = Standard Lead Time X = Non-Stock, Minimum Runs Required  
Availability is Subject to Change, Contact ATP

| Certifications/Compliance |
|---------------------------|
| ROHS Compliant            |
| UL94HB Compliant          |

| Fitting Compatibility |
|-----------------------|
| Hose-Barb (Page 67)   |

| Part Number (Add Color) | OD             | ID             | Length | Wall Thickness | Bend Radius | Working Pressure at 75°F | Package Weight |
|-------------------------|----------------|----------------|--------|----------------|-------------|--------------------------|----------------|
| SPU18A_                 | 0.125" (1/8")  | 0.062" (1/16") | 100'   | 0.031"         | 0.187"      | 150psi                   | 0.50 lb        |
| SPU18C_                 |                |                | 500'   |                |             |                          | 2.50 lb        |
| SPU14A_                 | 0.250" (1/4")  | 0.125" (1/8")  | 100'   | 0.062"         | 0.500"      | 160psi                   | 1.50 lb        |
| SPU14C_                 |                |                | 500'   |                |             |                          | 7.50 lb        |
| SPU08M/516A_            | 0.313" (5/16") | 0.187" (3/16") | 100'   | 0.062"         | 0.625"      | 110psi                   | 2.60 lb        |
| SPU08M/516C_            |                |                | 500'   |                |             |                          | 13.00 lb       |
| SPU38A_                 | 0.375" (3/8")  | 0.250" (1/4")  | 100'   | 0.062"         | 0.750"      | 100psi                   | 3.40 lb        |
| SPU38C_                 |                |                | 500'   |                |             |                          | 17.00 lb       |
| SPU12A_                 | 0.500" (1/2")  | 0.375" (3/8")  | 100'   | 0.062"         | 2.000"      | 70psi                    | 5.60 lb        |
| SPU12C_                 |                |                | 500'   |                |             |                          | 28.05 lb       |





# Tubing & Hose



## Nylon 12 Tubing

Nylochem® Nylon 12 Tubing is well-suited for applications that require increased working pressure and temperatures.

- Thinner Wall Enables Higher Flow Rates
- Higher Working Pressure Compared with PE and PU
- Wider Temperature Range Compared with PE and PU
- Low Moisture Absorption Rates
- Abrasion-Resistant
- Broad Resistance to Chemicals
- Stabilized Against Harmful UV Rays
- Ideal for Outdoor Use, Superior Stress Crack Resistance

| Specifications           |                          |
|--------------------------|--------------------------|
| Temperature Range        | -60°F to 200°F           |
| Vacuum Rating            | 28" HG                   |
| Tolerance (1/8" to 1/4") | +/- .005"                |
| Tolerance (3/8" to 1/2") | +/- .006"                |
| Hardness                 | Shore 70D / Rockwell 78R |
| Safety Factor            | 4:1                      |
| Material                 | Nylon 12 (Polyamide 12)  |
| Pressure Range           | See Charts               |
| Media                    | Gases & Liquids          |
| Tariff Code              | 3917.32.0000             |

| Certifications/Compliance |
|---------------------------|
| UL94HB Compliant          |

| Fitting Compatibility                     |
|-------------------------------------------|
| Technifit™ Push to Connect (Page 34 - 48) |
| Compression                               |

**Note:** See Back Cover or Website for Chemical Compatibility

## N 18 A BK

| Material |               | Outside Diameter |               | Package Lengths |        | Color Code |           |
|----------|---------------|------------------|---------------|-----------------|--------|------------|-----------|
| N        | Nylon (PA) 12 | 18               | 1/8"          | A               | 100'   | BK         | Black     |
|          |               | 04M/532          | 4mm / 5/32"   | B               | 250'   | G          | Green     |
|          |               | 14               | 1/4"          | C               | 500'   | GY         | Gray      |
|          |               | 14x150           | 1/4" x 0.150" | D               | 1,000' | NA         | Natural   |
|          |               | 08M/516          | 8mm / 5/16"   | E               | 25m    | NB         | Navy Blue |
|          |               | 38               | 3/8"          | F               | 100m   | OR         | Orange    |
|          |               | 38x215           | 3/8" x 0.215" |                 |        | R          | Red       |
|          |               | 12               | 1/2"          |                 |        | S          | Silver    |
|          |               | 58               | 5/8"          |                 |        | Y          | Yellow    |
|          |               | 06M              | 6mm           |                 |        |            |           |
|          |               | 10M              | 10mm          |                 |        |            |           |
|          |               | 12M              | 12mm          |                 |        |            |           |
|          |               | 14M              | 14mm          |                 |        |            |           |

| Material Availability by Color Code                                                                                                         |    |    |    |    |    |    |    |   |    |
|---------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|---|----|
| Model                                                                                                                                       | BK | NB | G  | GY | NA | OR | R  | S | Y  |
| N18                                                                                                                                         | LQ | X  | X  | X  | LQ | X  | X  | X | X  |
| N04M/532                                                                                                                                    | X  | X  | X  | X  | LQ | X  | X  | X | X  |
| N14                                                                                                                                         | ✓  | ✓  | LQ | X  | ✓  | LQ | LQ | X | LQ |
| N14x150                                                                                                                                     | X  | X  | X  | X  | LQ | X  | X  | X | X  |
| N08M/516                                                                                                                                    | LQ | X  | X  | X  | LQ | X  | X  | X | LQ |
| N38                                                                                                                                         | ✓  | LQ | LQ | X  | ✓  | LQ | LQ | X | LQ |
| N38x215                                                                                                                                     | X  | X  | X  | X  | X  | X  | X  | X | X  |
| N12                                                                                                                                         | LQ | X  | LQ | X  | ✓  | LQ | LQ | X | LQ |
| N58                                                                                                                                         | X  | LQ | X  | X  | X  | X  | X  | X | LQ |
| N06M                                                                                                                                        | LQ | X  | X  | X  | LQ | X  | X  | X | X  |
| N10M                                                                                                                                        | LQ | X  | X  | X  | X  | X  | X  | X | X  |
| N12M                                                                                                                                        | X  | X  | X  | X  | X  | X  | X  | X | LQ |
| N14M                                                                                                                                        | X  | X  | X  | X  | X  | X  | X  | X | X  |
| N16M                                                                                                                                        | X  | X  | X  | X  | X  | X  | X  | X | X  |
| ✓ = Standard Lead Time    LQ = Limited Quantities<br>X = Non-Stock, Minimum Runs Required<br>Availability is Subject to Change, Contact ATP |    |    |    |    |    |    |    |   |    |



# Tubing & Hose



## Fractional Sizes

| Part Number<br>(Add Color) | OD                | ID               | Length | Wall<br>Thickness | Bend<br>Radius | Working<br>Pressure at 75°F | Package<br>Weight |
|----------------------------|-------------------|------------------|--------|-------------------|----------------|-----------------------------|-------------------|
| N18A_                      | 0.125"<br>(1/8")  | 0.080"           | 100'   | 0.022"            | 0.375"         | 420 psi                     | 0.35 lb           |
| N18B_*                     |                   |                  | 250'   |                   |                |                             | 0.88 lb           |
| N18C_                      |                   |                  | 500'   |                   |                |                             | 1.75 lb           |
| N18D_                      |                   |                  | 1,000' |                   |                |                             | 3.50 lb           |
| N04M/532A_                 | 0.156"<br>(5/32") | 0.106"           | 100'   | 0.025"            | 0.500"         | 350 psi                     | 0.45 lb           |
| N04M/532B_*                |                   |                  | 250'   |                   |                |                             | 1.13 lb           |
| N04M/532C_                 |                   |                  | 500'   |                   |                |                             | 2.25 lb           |
| N04M/532D_                 |                   |                  | 1,000' |                   |                |                             | 4.50 lb           |
| N14A_                      | 0.250"<br>(1/4")  | 0.180"           | 100'   | 0.035"            | 1.250"         | 290 psi                     | 1.04 lb           |
| N14B_*                     |                   |                  | 250'   |                   |                |                             | 2.60 lb           |
| N14C_                      |                   |                  | 500'   |                   |                |                             | 5.20 lb           |
| N14D_                      |                   |                  | 1,000' |                   |                |                             | 10.40 lb          |
| N14x150A_                  | 0.150"            | 0.150"           | 100'   | 0.050"            | 0.750"         | 800 psi                     | 1.40 lb           |
| N14x150C_                  |                   |                  | 500'   |                   |                |                             | 6.80 lb           |
| N08M/516A_                 | 0.314"<br>(5/16") | 0.236"           | 100'   | 0.039"            | 1.496"         | 250 psi                     | 1.50 lb           |
| N08M/516B_*                |                   |                  | 250'   |                   |                |                             | 3.75 lb           |
| N08M/516C_                 |                   |                  | 500'   |                   |                |                             | 7.50 lb           |
| N08M/516D_                 |                   |                  | 1,000' |                   |                |                             | 15.00 lb          |
| N38A_                      | 0.375"<br>(3/8")  | 0.275"           | 100'   | 0.050"            | 2.000"         | 250 psi                     | 2.26 lb           |
| N38B_*                     |                   |                  | 250'   |                   |                |                             | 5.65 lb           |
| N38C_                      |                   |                  | 500'   |                   |                |                             | 11.30 lb          |
| N38D_                      |                   |                  | 1,000' |                   |                |                             | 22.60 lb          |
| N38x215A_                  | 0.215"            | 0.215"           | 100'   | 0.082"            | 1.000"         | 883 psi                     | 3.20 lb           |
| N38x215C_                  |                   |                  | 500'   |                   |                |                             | 16.0 lb           |
| N12A_                      | 0.500"<br>(1/2")  | 0.375"<br>(3/8") | 100'   | 0.062"            | 3.500"         | 240 psi                     | 3.80 lb           |
| N12B_*                     |                   |                  | 250'   |                   |                |                             | 9.50 lb           |
| N12C_                      |                   |                  | 500'   |                   |                |                             | 19.00 lb          |
| N58A_                      | 0.625"<br>(5/8")  | 0.500"<br>(1/2") | 100'   | 0.062"            | 4.250"         | 210 psi                     | 4.70 lb           |
| N58C_                      |                   |                  | 500'   |                   |                |                             | 23.50 lb          |

Note: \* Indicates Non-Stock Packaged Length

**Note:** See Back Cover or Website for Chemical Compatibility



# Tubing & Hose



## Metric Sizes

| Part Number<br>(Add Color) | OD   | ID    | Length | Wall<br>Thickness | Bend<br>Radius | Working<br>Pressure at 75°F | Package<br>Weight |
|----------------------------|------|-------|--------|-------------------|----------------|-----------------------------|-------------------|
| N04M/532A_                 | 4mm  | 2.7mm | 100'   | 0.65mm            | 12.7mm         | 350 psi (24,1 bar)          | 0.45 lb           |
| N04M/532B_*                |      |       | 250'   |                   |                |                             | 1.13 lb           |
| N04M/532C_                 |      |       | 500'   |                   |                |                             | 2.25 lb           |
| N04M/532D_                 |      |       | 1,000' |                   |                |                             | 4.50 lb           |
| N04M/532E_                 |      |       | 25m    |                   |                |                             | 0.40 lb           |
| N04M/532F_                 |      |       | 100m   |                   |                |                             | 2.00 lb           |
| N06ME_                     | 6mm  | 4mm   | 25m    | 1.00mm            | 31.8mm         | 340 psi (23,4 bar)          | 0.90 lb           |
| N06MF_                     |      |       | 100m   |                   |                |                             | 3.60 lb           |
| N08M/516A_                 | 8mm  | 6mm   | 100'   | 1.00mm            | 38.0mm         | 250 psi (17,2 bar)          | 1.50 lb           |
| N08M/516B_*                |      |       | 250'   |                   |                |                             | 3.75 lb           |
| N08M/516C_                 |      |       | 500'   |                   |                |                             | 7.50 lb           |
| N08M/516D_                 |      |       | 1,000' |                   |                |                             | 15.00 lb          |
| N08M/516E_                 |      |       | 25m    |                   |                |                             | 1.23 lb           |
| N08M/516F_                 |      |       | 100m   |                   |                |                             | 4.92 lb           |
| N10ME_                     | 10mm | 8mm   | 25m    | 1.00mm            | 51.0mm         | 225 psi (15,5 bar)          | 1.56 lb           |
| N10MF_                     |      |       | 100m   |                   |                |                             | 6.23 lb           |
| N12ME_                     | 12mm | 10mm  | 25m    | 1.00mm            | 63.5mm         | 200 psi (13,7 bar)          | 1.89 lb           |
| N12MF_                     |      |       | 100m   |                   |                |                             | 7.55 lb           |
| N14ME_                     | 14mm | 12mm  | 25m    | 1.50mm            | 100.0mm        | 175 psi (12 bar)            | 2.91 lb           |
| N14MF_                     |      |       | 100m   |                   |                |                             | 11.64 lb          |

Note: \* Indicates Non-Stock Packaged Length



**Note:** See Back Cover or Website for Chemical Compatibility

# Tubing & Hose

**VALUE-TUBE™**

**NSF61® POLYETHYLENE LLDPE**



## LLDPE Polyethylene NSF 61® Tubing

Value-Tube™ NSF 61® Linear Low-Density Polyethylene Tubing is extruded from 100% non-toxic, **NSF 61®** and **FDA-Compliant** ingredients.

- Certified for Direct Contact with Potable Water
- Chemically-Inert
- UV-Stabilized
- Good Dielectric Properties
- Impermeable to Both Gas and Liquids

### PE 14 A BK

| Specifications           |                                            |
|--------------------------|--------------------------------------------|
| Temperature Range        | -50°F to 140°F                             |
| Vacuum Rating            | 28" HG                                     |
| Tolerance (1/8" to 1/4") | +/- .005"                                  |
| Tolerance (3/8" to 1/2") | +/- .006"                                  |
| Tolerance (3/4" to 5/8") | +/- .008"                                  |
| Tolerance (1"+)          | +/- .010"                                  |
| Hardness                 | Shore 98A                                  |
| Safety Factor            | 3:1                                        |
| Material                 | LLDPE<br>(Linear Low-Density Polyethylene) |
| Pressure Range           | See Charts                                 |
| Media                    | Gases & Liquids                            |
| Tariff Code              | 3917.32.0000                               |

| Certifications/Compliance |  |
|---------------------------|--|
| FDA Compliant             |  |
| NSF 61® Certified         |  |

| Fitting Compatibility                            |  |
|--------------------------------------------------|--|
| Technifit™ Push to Connect (Page 34 - 48)        |  |
| Compression                                      |  |
| Hose-Barb (Page 67)                              |  |
| Fluidfit™ NSF 61® Push to Connect (Page 34 - 47) |  |

| Material |       | Outside Diameter |             | Package Lengths |        | Color Code |           |
|----------|-------|------------------|-------------|-----------------|--------|------------|-----------|
| PE       | LLDPE | 18               | 1/8"        | A               | 100'   | BK         | Black     |
|          |       | 04M/532          | 4mm / 5/32" | B               | 250'   | G          | Green     |
|          |       | 14               | 1/4"        | C               | 500'   | NA         | Natural   |
|          |       | 08M/516          | 8mm / 5/16" | D               | 1,000' | NB         | Navy Blue |
|          |       | 38               | 3/8"        |                 |        | OR         | Orange    |
|          |       | 12               | 1/2"        |                 |        | R          | Red       |
|          |       | 58               | 5/8"        |                 |        | Y          | Yellow    |
|          |       | 34               | 3/4"        |                 |        |            |           |
|          |       | 1                | 1"          |                 |        |            |           |
|          |       | 06M              | 6mm         |                 |        |            |           |
|          |       | 10M              | 10mm        |                 |        |            |           |
|          |       | 12M              | 12mm        |                 |        |            |           |

| Material Availability by Color Code                                                                                                         |    |    |   |    |    |   |    |
|---------------------------------------------------------------------------------------------------------------------------------------------|----|----|---|----|----|---|----|
| Model                                                                                                                                       | BK | NB | G | NA | OR | R | Y  |
| PE18                                                                                                                                        | X  | X  | X | ✓  | X  | X | X  |
| PE04M/532                                                                                                                                   | LQ | X  | X | LQ | X  | X | X  |
| PE14                                                                                                                                        | ✓  | ✓  | ✓ | ✓  | X  | ✓ | ✓  |
| PE1418                                                                                                                                      | ✓  | X  | X | X  | X  | X | X  |
| PE08M/516                                                                                                                                   | LQ | X  | X | ✓  | X  | X | X  |
| PE38                                                                                                                                        | ✓  | ✓  | ✓ | ✓  | X  | ✓ | LQ |
| PE12                                                                                                                                        | ✓  | ✓  | ✓ | ✓  | X  | ✓ | LQ |
| PE58                                                                                                                                        | ✓  | X  | X | ✓  | X  | X | X  |
| PE34                                                                                                                                        | X  | X  | X | X  | X  | X | X  |
| PE1                                                                                                                                         | X  | X  | X | X  | X  | X | X  |
| PE06M                                                                                                                                       | LQ | LQ | X | ✓  | X  | X | X  |
| PE10M                                                                                                                                       | ✓  | X  | X | ✓  | X  | X | X  |
| PE12M                                                                                                                                       | LQ | X  | X | LQ | X  | X | X  |
| ✓ = Standard Lead Time    LQ = Limited Quantities<br>X = Non-Stock, Minimum Runs Required<br>Availability is Subject to Change, Contact ATP |    |    |   |    |    |   |    |

**Note:** See Back Cover or Website for Chemical Compatibility



# Tubing & Hose



## Fractional Sizes

| Part Number<br>(Insert Color) | OD                | ID               | Length | Wall<br>Thickness | Bend<br>Radius | Working<br>Pressure at 75°F | Package<br>Weight |
|-------------------------------|-------------------|------------------|--------|-------------------|----------------|-----------------------------|-------------------|
| PE18A_                        | 0.125"<br>(1/8)   | 0.080"           | 100'   | 0.022"            | 0.15"          | 250 psi                     | 0.50 lb           |
| PE18C_                        |                   |                  | 500'   |                   |                |                             | 2.50 lb           |
| PE18D_                        |                   |                  | 1,000' |                   |                |                             | 4.50 lb           |
| PE04M/532A_                   | 0.156"<br>(5/32") | 0.106"           | 100'   | 0.025"            | 1.00"          | 180 psi                     | 0.60 lb           |
| PE04M/532B_*                  |                   |                  | 250'   |                   |                |                             | 1.50 lb           |
| PE04M/532C_                   |                   |                  | 500'   |                   |                |                             | 3.00 lb           |
| PE04M/532D_                   |                   |                  | 1,000' |                   |                |                             | 6.00 lb           |
| PE14A_                        | 0.250"<br>(1/4")  | 0.170"           | 100'   | 0.040"            | 1.25"          | 150 psi                     | 1.20 lb           |
| PE14B_*                       |                   |                  | 250'   |                   |                |                             | 3.00 lb           |
| PE14C_                        |                   |                  | 500'   |                   |                |                             | 6.00 lb           |
| PE14D_                        |                   |                  | 1,000' |                   |                |                             | 12.00 lb          |
| PE1418A_                      |                   |                  | 100'   | 0.062"            | 1.00"          | 350 psi                     | 1.40 lb           |
| PE1418B_*                     |                   |                  | 250'   |                   |                |                             | 3.50 lb           |
| PE1418C_                      |                   |                  | 500'   |                   |                |                             | 7.00 lb           |
| PE1418D_                      |                   |                  | 1,000' |                   |                |                             | 14.00 lb          |
| PE08M/516A_                   | 0.313"<br>(5/16") | 0.236"           | 100'   | 0.038"            | 1.50"          | 150 psi                     | 1.50 lb           |
| PE08M/516B_*                  |                   |                  | 250'   |                   |                |                             | 3.75 lb           |
| PE08M/516C_                   |                   |                  | 500'   |                   |                |                             | 7.50 lb           |
| PE08M/516D_                   |                   |                  | 1,000' |                   |                |                             | 15.00 lb          |
| PE38A_                        | 0.375"<br>(3/8")  | 0.250"<br>(1/4") | 100'   | 0.062"            | 2.00"          | 150 psi                     | 3.00 lb           |
| PE38B_*                       |                   |                  | 250'   |                   |                |                             | 7.00 lb           |
| PE38C_                        |                   |                  | 500'   |                   |                |                             | 14.00 lb          |
| PE38D_                        |                   |                  | 1,000' |                   |                |                             | 25.00 lb          |
| PE12A_                        | 0.500"<br>(1/2")  | 0.375"<br>(3/8") | 100'   | 0.062"            | 2.50"          | 125 psi                     | 3.40 lb           |
| PE12B_*                       |                   |                  | 250'   |                   |                |                             | 8.50 lb           |
| PE12C_                        |                   |                  | 500'   |                   |                |                             | 17.00 lb          |
| PE58A_                        | 0.625"<br>(5/8")  | 0.500"<br>(1/2") | 100'   | 0.062"            | 3.00"          | 100 psi                     | 5.00 lb           |
| PE58B_*                       |                   |                  | 250'   |                   |                |                             | 12.50 lb          |
| PE58C_                        |                   |                  | 500'   |                   |                |                             | 25.00 lb          |
| PE34A_                        | 0.750"<br>(3/4")  | 0.625"<br>(5/8") | 100'   | 0.062"            | 4.00"          | 100 psi                     | 5.50 lb           |
| PE1A_                         | 1.000"            | 0.750"<br>(3/4") | 100'   | 0.125"            | 4.00"          | 150 psi                     | 13.70 lb          |

Note: \* Indicates Non-Stock Packaged Length

Note: See Back Cover or Website for Chemical Compatibility



# Tubing & Hose



## Metric Sizes

| Part Number<br>(Insert Color) | OD   | ID    | Length | Wall<br>Thickness | Bend<br>Radius | Working<br>Pressure at 75°F | Package<br>Weight |
|-------------------------------|------|-------|--------|-------------------|----------------|-----------------------------|-------------------|
| PE04M/532A_                   | 4mm  | 2.7mm | 100'   | 0.65mm            | 25.4mm         | 180 psi (12,4 Bar)          | 0.60 lb           |
| PE04M/532B_*                  |      |       | 250'   |                   |                |                             | 1.50 lb           |
| PE04M/532C_                   |      |       | 500'   |                   |                |                             | 3.00 lb           |
| PE04M/532D_                   |      |       | 1,000' |                   |                |                             | 6.00 lb           |
| PE06MA_                       | 6mm  | 4mm   | 100'   | 1.00mm            | 31.8mm         | 150 psi (10,3 Bar)          | 1.10 lb           |
| PE06MB_*                      |      |       | 250'   |                   |                |                             | 2.75 lb           |
| PE06MC_                       |      |       | 500'   |                   |                |                             | 5.50 lb           |
| PE06MD_                       |      |       | 1,000' |                   |                |                             | 11.00 lb          |
| PE08M/516A_                   | 8mm  | 6mm   | 100'   | 1.00mm            | 38.1mm         | 150 psi (10,3 Bar)          | 1.50 lb           |
| PE08M/516B_*                  |      |       | 250'   |                   |                |                             | 3.75 lb           |
| PE08M/516C_                   |      |       | 500'   |                   |                |                             | 7.50 lb           |
| PE08M/516D_                   |      |       | 1,000' |                   |                |                             | 15.00 lb          |
| PE10MA_                       | 10mm | 8mm   | 100'   | 1.00mm            | 51.0mm         | 125 psi (8,6 Bar)           | 2.10 lb           |
| PE10MB_*                      |      |       | 250'   |                   |                |                             | 5.25 lb           |
| PE10MC_                       |      |       | 500'   |                   |                |                             | 10.50 lb          |
| PE12MA_                       | 12mm | 9mm   | 100'   | 1.50mm            | 63.5mm         | 100 psi (6,9 Bar)           | 2.50 lb           |
| PE12MB_*                      |      |       | 250'   |                   |                |                             | 6.50 lb           |
| PE12MC_                       |      |       | 500'   |                   |                |                             | 13.00 lb          |

Note: \* Indicates Non-Stock Packaged Length

**Note:** See Back Cover or Website for Chemical Compatibility





## Clear PVC NSF 61® Hose

Vinyl-Flex™ is a clear PVC hose suited for low pressure applications of both fluid and compressed gases. Vinyl-Flex PVC meets FDA requirements and is NSF 61® certified, making it ideal for use in potable water applications.

- Certified for Direct Contact with Potable Water
- Lightweight and Flexible
- Phthalate-Free

| Specifications            |                            |
|---------------------------|----------------------------|
| Temperature Range         | 15°F to 150°F              |
| Vacuum Rating             | 28" HG                     |
| Tolerance (1/8" to 1/2")  | +.004"/-.008"              |
| Tolerance (5/8" to 1")    | +.008"/-.012"              |
| Tolerance (1.25" to 1.5") | +.012"/-.016"              |
| Tolerance (2" +)          | +.016"/-.020"              |
| Hardness                  | Shore 73A                  |
| Safety Factor             | 3:1                        |
| Material                  | PVC<br>(Polyvinylchloride) |
| Pressure Range            | See Charts                 |
| Media                     | Gases & Liquids            |
| Tariff Code               | 3917.32.0000               |

| Certifications/Compliance |  |
|---------------------------|--|
| FDA Compliant             |  |
| NSF 61®                   |  |
| REACH Compliant           |  |
| RoHS Compliant            |  |
| USP Class VI              |  |

| Fitting Compatibility  |  |
|------------------------|--|
| Fluid Couplers & Plugs |  |
| Hose-Barb (Page 67)    |  |

**Note:** See Back Cover or Website for Chemical Compatibility

## PVC 18-14 A NA

| Material |             | Inside Diameter x Outside Diameter |                 | Package Lengths |      | Color Code |       |
|----------|-------------|------------------------------------|-----------------|-----------------|------|------------|-------|
| PVC      | NSF 61® PVC | PVC18-14                           | 1/8" x 1/4"     | A               | 100' | NA         | Clear |
|          |             | PVC316-14                          | 3/16" x 1/4"    | 2A              | 50'  |            |       |
|          |             | PVC316-516                         | 3/16" x 5/16"   |                 |      |            |       |
|          |             | PVC316-38                          | 3/16" x 3/8"    |                 |      |            |       |
|          |             | PVC316-716                         | 3/16" x 7/16"   |                 |      |            |       |
|          |             | PVC14-38                           | 1/4" x 3/8"     |                 |      |            |       |
|          |             | PVC14-716                          | 1/4" x 7/16"    |                 |      |            |       |
|          |             | PVC14-12                           | 1/4" x 1/2"     |                 |      |            |       |
|          |             | PVC516-716                         | 5/16" x 7/16"   |                 |      |            |       |
|          |             | PVC 516-12                         | 5/16" x 1/2"    |                 |      |            |       |
|          |             | PVC 516-916                        | 5/16" x 9/16"   |                 |      |            |       |
|          |             | PVC 38-12                          | 3/8" x 1/2"     |                 |      |            |       |
|          |             | PVC 38-916                         | 3/8" x 9/16"    |                 |      |            |       |
|          |             | PVC 38-58                          | 3/8" x 5/8"     |                 |      |            |       |
|          |             | PVC 716-916                        | 7/16" x 9/16"   |                 |      |            |       |
|          |             | PVC 12-58                          | 1/2" x 5/8"     |                 |      |            |       |
|          |             | PVC 12-1116                        | 1/2" x 11/16"   |                 |      |            |       |
|          |             | PVC 12-34                          | 1/2" x 3/4"     |                 |      |            |       |
|          |             | PVC 58-34                          | 5/8" x 3/4"     |                 |      |            |       |
|          |             | PVC 58-1316                        | 5/8" x 13/16"   |                 |      |            |       |
|          |             | PVC 58-78                          | 5/8" x 7/8"     |                 |      |            |       |
|          |             | PVC 34-1                           | 3/4" x 1"       |                 |      |            |       |
|          |             | PVC 34-54                          | 3/4" x 1 1/4"   |                 |      |            |       |
|          |             | PVC 78-118                         | 7/8" x 1 1/8"   |                 |      |            |       |
|          |             | PVC 1-54                           | 1" x 1 1/4"     |                 |      |            |       |
|          |             | PVC 1-138                          | 1" x 1 3/8"     |                 |      |            |       |
|          |             | PVC 54-64                          | 1 1/4" x 1 1/2" |                 |      |            |       |
|          |             | PVC 54-1582                        | 1 1/4" x 1 5/8" |                 |      |            |       |
|          |             | PVC 64-1782                        | 1 1/2" x 1 7/8" |                 |      |            |       |
|          |             | PVC 2-2.52                         | 2" x 2 1/2"     |                 |      |            |       |

\* Select Sizes



# Tubing & Hose



## Fractional Sizes

| Part Number    | ID             | OD              | Length | Wall Thickness | Working Pressure at 75°F | Package Weight |
|----------------|----------------|-----------------|--------|----------------|--------------------------|----------------|
| PVC18-14ANA    | 0.125" (1/8")  | 0.250" (1/4")   | 100'   | 0.187"         | 65 psi                   | 2.20 lb        |
| PVC316-14ANA*  | 0.187" (3/16") | 0.250" (1/4")   | 100'   | 0.031"         | 50 psi                   | 1.17 lb        |
| PVC316-516ANA  |                | 0.313" (5/16")  |        | 0.063"         | 55 psi                   | 2.69 lb        |
| PVC316-38ANA   |                | 0.375" (3/8")   |        | 0.094"         | 60 psi                   | 3.75 lb        |
| PVC316-716ANA  |                | 0.438" (7/16")  |        | 0.125"         | 55 psi                   | 7.80 lb        |
| PVC14-38ANA    | 0.250" (1/4")  | 0.375" (3/8")   | 100'   | 0.062"         | 55 psi                   | 3.35 lb        |
| PVC14-716ANA*  |                | 0.438" (7/16")  |        | 0.094"         | 55 psi                   | 5.53 lb        |
| PVC14-12ANA    |                | 0.500" (1/2")   |        | 0.125"         | 60 psi                   | 7.89 lb        |
| PVC516-716ANA  | 0.312" (5/16") | 0.438" (7/16")  | 100'   | 0.063"         | 50 psi                   | 3.88 lb        |
| PVC516-12ANA*  |                | 0.500" (1/2")   |        | 0.094"         | 55 psi                   | 6.37 lb        |
| PVC516-916ANA* |                | 0.563" (9/16")  |        | 0.125"         | 60 psi                   | 9.22 lb        |
| PVC38-12ANA    | 0.375" (3/8")  | 0.500" (1/2")   | 100'   | 0.062"         | 45 psi                   | 4.65 lb        |
| PVC38-916ANA   |                | 0.563" (9/16")  |        | 0.094"         | 50 psi                   | 7.47 lb        |
| PVC38-58ANA*   |                | 0.625" (5/8")   |        | 0.125"         | 55 psi                   | 10.65 lb       |
| PVC716-916ANA* | 0.437" (7/16") | 0.563" (9/16")  | 100'   | 0.063"         | 35 psi                   | 6.60 lb        |
| PVC12-58ANA    | 0.500" (1/2")  | 0.625" (5/8")   | 100'   | 0.062"         | 30 psi                   | 6.00 lb        |
| PVC12-1116ANA* |                | 0.688" (11/16") |        | 0.094"         | 40 psi                   | 9.50 lb        |
| PVC12-34ANA    |                | 0.750" (3/4")   |        | 0.125"         | 45 psi                   | 13.07 lb       |
| PVC58-34ANA    | 0.625" (5/8")  | 0.750" (3/4")   | 100'   | 0.062"         | 30 psi                   | 7.10 lb        |
| PVC58-1316ANA* |                | 0.813" (13/16") |        | 0.094"         | 35 psi                   | 12.32 lb       |
| PVC58-78ANA    |                | 0.875" (7/8")   |        | 0.125"         | 40 psi                   | 15.72 lb       |
| PVC34-1ANA     | 0.750" (3/4")  | 1.00"           | 100'   | 0.125"         | 35 psi                   | 18.37 lb       |
| PVC34-54ANA*   |                | 1.25" (1 1/4")  |        | 0.250"         | 45 psi                   | 20.00 lb       |
| PVC78-118ANA*  | 0.875" (7/8")  | 1.125" (1 1/8") | 100'   | 0.125"         | 30 psi                   | 33.10 lb       |
| PVC1-54ANA     | 1.00"          | 1.25" (1 1/4")  | 100'   | 0.125"         | 25 psi                   | 23.99 lb       |
| PVC1-138ANA*   |                | 1.375" (1 3/8") |        | 0.187"         | 30 psi                   | 37.00 lb       |
| PVC54-64ANA    | 1.25" (1 1/4") | 1.50" (1 1/2")  | 100'   | 0.125"         | 20 psi                   | 29.00 lb       |
| PVC54-1582ANA  |                | 1.625" (1 5/8") | 50'    | 0.187"         | 30 psi                   | 44.60 lb       |
| PVC64-1782ANA  | 1.50" (1 1/2") | 1.875" (1 7/8") | 50'    | 0.187"         | 30 psi                   | 52.70 lb       |
| PVC2-2.52ANA** | 2.00"          | 2.50" (2 1/2")  | 50'    | 0.250"         | 20 psi                   | 30.00 lb       |

Note: \* Indicates Non-Stock Packaged Length \*\* Indicates Non-Stock/Not NSF Certified

**Note:** See Back Cover or Website for Chemical Compatibility

\* Select Sizes







## Reinforced PVC NSF 61® Hose

Dura-Pure® Reinforced PVC Hose features a polyester spiral yarn enabling higher pressure applications of both fluid and compressed gases. Dura-Pure® Hose meets FDA requirements and is NSF 61® certified, making it ideal for use in potable water applications.



- Certified for Direct Contact with Potable Water
- Lightweight and Flexible
- Phthalate-Free

## PVCBH 14 - 438 A NA

| Specifications            |                         |
|---------------------------|-------------------------|
| Temperature Range         | 15°F to 150°F           |
| Vacuum Rating             | 28" HG                  |
| Tolerance (3/16" to 1/2") | +.004"/-.008"           |
| Tolerance (5/8" to 1")    | +.008"/-.012"           |
| Tolerance (1.25" to 1.5") | +.012"/-.016"           |
| Tolerance (2" +)          | +.016"/-.020"           |
| Hardness                  | Shore 73A               |
| Safety Factor             | 3:1                     |
| Material                  | PVC (Polyvinylchloride) |
| Pressure Range            | See Charts              |
| Media                     | Gases & Liquids         |
| Tariff Code               | 3917.32.0000            |

| Material |                        |
|----------|------------------------|
| PVCBH    | NSF 61® Reinforced PVC |

| Inside Diameter x Outside Diameter |                |
|------------------------------------|----------------|
| PVCBH316-375                       | 3/16" x 3/8"   |
| PVCBH14-438                        | 1/4" x .438"   |
| PVCBH516-531                       | 5/16" x .531"  |
| PVCBH38-594                        | 3/8" x .594"   |
| PVCBH12-34                         | 1/2" x 3/4"    |
| PVCBH58-891                        | 5/8" x .891"   |
| PVCBH34-103                        | 3/4" x 1.03"   |
| PVCBH1-1.3                         | 1" x 1.3"      |
| PVCBH54-1.62                       | 1 1/4" x 1.62" |
| PVCBH64-1.938                      | 1 X 1.938"     |
| PVCBH2-2.492                       | 2" x 2.492"    |

| Package Lengths |      |
|-----------------|------|
| A               | 100' |
| A2              | 200' |
| A3              | 300' |

| Color Code |       |
|------------|-------|
| NA         | Clear |

| Certifications/Compliance |
|---------------------------|
| FDA Compliant             |
| NSF 61®                   |
| REACH Compliant           |
| RoHS Compliant            |
| USP Class VI              |
| ASTMF930-03               |
| EN-71                     |
| PAHS                      |

| Fitting Compatibility  |
|------------------------|
| Fluid Couplers & Plugs |
| Hose-Barb (Page 67)    |



**Note:** See Back Cover or Website for Chemical Compatibility



# Tubing & Hose



## Fractional Sizes

| Part Number       | ID                | OD               | Length | Wall Thickness | Bend Radius | Working Pressure at 75°F | Package Weight |
|-------------------|-------------------|------------------|--------|----------------|-------------|--------------------------|----------------|
| PVCBH316-375ANA   | 0.187"<br>(3/16") | 0.375"<br>(3/8") | 100'   | 0.094"         | 0.935"      | 250 psi                  | 4.41 lb        |
| PVCBH316-375A3NA  |                   |                  | 300'   |                |             |                          | 13.23 lb       |
| PVCBH14-438ANA    | 0.250"<br>(1/4")  | 0.438"           | 100'   | 0.094"         | 1.250"      | 250 psi                  | 5.84 lb        |
| PVCBH14-438A3NA   |                   |                  | 300'   |                |             |                          | 17.52 lb       |
| PVCBH516-531ANA   | 0.313"<br>(5/16") | 0.531"           | 100'   | 0.109"         | 1.565"      | 250 psi                  | 7.39 lb        |
| PVCBH516-531A3NA  |                   |                  | 300'   |                |             |                          | 22.17 lb       |
| PVCBH38-594ANA    | 0.375"<br>(3/8")  | 0.594"           | 100'   | 0.109"         | 1.875"      | 225 psi                  | 9.02 lb        |
| PVCBH38-594A3NA   |                   |                  | 300'   |                |             |                          | 27.06 lb       |
| PVCBH12-34ANA     | 0.500"<br>(1/2")  | 0.750"<br>(3/4") | 100'   | 0.125"         | 2.500"      | 200 psi                  | 13.33 lb       |
| PVCBH12-34A3NA    |                   |                  | 300'   |                |             |                          | 39.99 lb       |
| PVCBH58-891ANA    | 0.625"<br>(5/8")  | 0.891"           | 100'   | 0.133"         | 3.125"      | 200 psi                  | 15.93 lb       |
| PVCBH58-891A3NA   |                   |                  | 300'   |                |             |                          | 47.79 lb       |
| PVCBH34-103ANA    | 0.750"<br>(3/4")  | 1.03"            | 100'   | 0.140"         | 3.750"      | 150 psi                  | 20.72 lb       |
| PVCBH34-103A3NA   |                   |                  | 300'   |                |             |                          | 62.16 lb       |
| PVCBH1-1.3ANA     | 1.00"             | 1.30"            | 100'   | 0.150"         | 4.00"       | 125 psi                  | 29.08 lb       |
| PVCBH1-1.3A2NA    |                   |                  | 200'   |                |             |                          | 58.16 lb       |
| PVCBH54-1.62ANA   | 1.25"<br>(1 1/4") | 1.62"            | 100'   | 0.185"         | 5.00"       | 100 psi                  | 45.50 lb       |
| PVCBH64-1.938ANA  | 1.50"<br>(1 1/2") | 1.93"            | 100'   | 0.215"         | 6.00"       | 100 psi                  | 63.49 lb       |
| PVCBH2-2.492ANA** | 2.00"             | 2.49"            | 50'    | 0.245"         | 8.00"       | 75 psi                   | 92.59 lb       |

Note: \* Indicates Non-Stock Packaged Length \*\* Indicates Non-Stock/Not NSF Certified

**Note:** See Back Cover or Website for Chemical Compatibility



# Tubing & Hose

## ARMOR-AIR

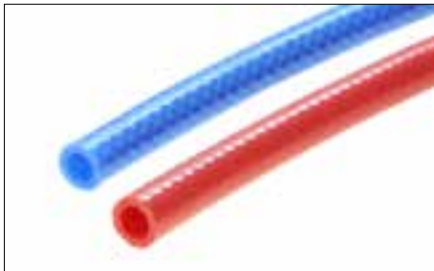
## Reinforced Polyurethane Air Hose

Rugged and durable, Armor-Air™ is constructed of reinforced Ether Based polyurethane, and is perfect for the most demanding environments.



- Excellent Flexibility
- UV Stabilized
- Supplied with Reusable Fittings
- Nickel-Plated Fittings Resist Tarnishing and Corrosion
- Bend Restrictors Prevent Kinking
- Available with Fittings or in Bulk
- Lightweight

### PBH 14 - 25 CB 2



| Material |               | Inside Diameter x Outside Diameter |              | Package Lengths |      | Color Code |            | Fitting Option |                         |
|----------|---------------|------------------------------------|--------------|-----------------|------|------------|------------|----------------|-------------------------|
| PBH      | Reinforced PU | 14                                 | 1/4" x 3/8"  | 25              | 25'  | CB         | Clear Blue | 2              | 1/4" Male NPT Swivel    |
|          |               | 38                                 | 3/8" x 9/16" | 50              | 50'  | NB         | Navy Blue  | 3              | 3/8" Male NPT Swivel    |
|          |               | 12                                 | 1/2" x 3/4"  | 100             | 100' | R          | Red        | 4              | 1/2" Male NPT Swivel    |
|          |               |                                    |              | 250             | 250' |            |            | (Blank)        | No Fittings             |
|          |               |                                    |              | 500             | 500' |            |            | Q              | Premium Series (Auto)   |
|          |               |                                    |              |                 |      |            |            | E              | Economy Series (Manual) |
|          |               |                                    |              |                 |      |            |            | DF             | Safety-Slide™           |



### Fractional Sizes (NPT and Bulk)

| Specifications           |                              |
|--------------------------|------------------------------|
| Temperature Range        | -40°F to 155°F               |
| Max. Working Pressure    | 210 psi                      |
| Hardness                 | Shore 85A                    |
| Safety Factor            | 3:1                          |
| Material                 | Reinforced PU (Polyurethane) |
| Media                    | Air or Water                 |
| Tariff Code w/ Fittings  | 3917.33.0000                 |
| Tariff Code w/o Fittings | 3917.32.0000                 |

| Certifications/Compliance |  |
|---------------------------|--|
| UL94HB Compliant          |  |

| Fitting Compatibility                             |  |
|---------------------------------------------------|--|
| H-Style Compression Replacement Fitting (Page 56) |  |

| Part Number  | ID            | OD             | Length | Bend Radius | Fittings             | Package Weight |
|--------------|---------------|----------------|--------|-------------|----------------------|----------------|
| PBH14-25CB2  | 0.250" (1/4") | 0.375" (3/8")  | 25'    | 1.000"      | 1/4" Male NPT Swivel | 1.05 lb        |
| PBH14-50CB2  |               |                | 50'    |             |                      | 2.09 lb        |
| PBH14-100CB2 |               |                | 100'   |             |                      | 4.19 lb        |
| PBH14A_      |               |                | 100'   |             | No Fittings          | 3.42 lb        |
| PBH14B_      |               |                | 250'   |             |                      | 6.84 lb        |
| PBH14C_      |               |                | 500'   |             |                      | 13.69 lb       |
| PBH38-25CB2  | 0.375" (3/8") | 0.562" (9/16") | 25'    | 1.625"      | 1/4" Male NPT Swivel | 1.41 lb        |
| PBH38-50CB2  |               |                | 50'    |             |                      | 2.81 lb        |
| PBH38-100CB2 |               |                | 100'   |             |                      | 5.63 lb        |
| PBH38-25CB3  |               |                | 25'    |             | 3/8" Male NPT Swivel | 1.41 lb        |
| PBH38-50CB3  |               |                | 50'    |             |                      | 2.81 lb        |
| PBH38-100CB3 |               |                | 100'   |             |                      | 5.63 lb        |
| PBH38A_      |               |                | 100'   |             | No Fittings          | 5.88 lb        |
| PBH38B_      |               |                | 250'   |             |                      | 11.75 lb       |
| PBH38C_      |               |                | 500'   |             |                      | 23.50 lb       |
| PBH12-25CB4  | 0.500" (1/2") | 0.750" (3/4")  | 25'    | 2.640"      | 1/2" Male NPT Swivel | 2.36 lb        |
| PBH12-50CB4  |               |                | 50'    |             |                      | 4.72 lb        |
| PBH12-100CB4 |               |                | 100'   |             |                      | 9.44 lb        |
| PBH12A_      |               |                | 100'   |             | No Fittings          | 7.72 lb        |
| PBH12B_      |               |                | 250'   |             |                      | 5.44 lb        |
| PBH12C_      |               |                | 500'   |             |                      | 30.88 lb       |

# Tubing & Hose

## Fractional Sizes with Pneumatic Quick Disconnect Fittings

| Part Number   | ID               | OD                | Length | Bend Radius | Body Size    | Interchange     | Available QD Style                                                 |
|---------------|------------------|-------------------|--------|-------------|--------------|-----------------|--------------------------------------------------------------------|
| PPBH14-25CB_  | 0.250"<br>(1/4") | 0.375"<br>(3/8")  | 25'    | 1.000"      | 1/4"         | Industrial (US) | Premium Series (Auto)<br>Economy Series (Manual)<br>Safety-Slide™  |
| PBH14-50CB_   |                  |                   | 50'    |             |              |                 |                                                                    |
| PBH14-100CB_  |                  |                   | 100'   |             |              |                 |                                                                    |
| PBH38-25CB_   | 0.375"<br>(3/8)  | 0.562"<br>(9/16") | 25'    | 1.625"      | 1/4" or 3/8" | Industrial (US) | Premium Series (Auto),<br>Economy Series (Manual)<br>Safety-Slide™ |
| PBH38-50CB_   |                  |                   | 50'    |             |              |                 |                                                                    |
| PBH38-100CB_  |                  |                   | 100'   |             |              |                 |                                                                    |
| PBH12-25CBDF  | 0.500"<br>(1/2)  | 0.750"<br>(3/4)   | 25'    | 2.640"      | 1/2"         | Industrial (US) | Safety-Slide™                                                      |
| PBH12-50CBDF  |                  |                   | 50'    |             |              |                 |                                                                    |
| PBH12-100CBDF |                  |                   | 100'   |             |              |                 |                                                                    |

| Available QD Suffix Codes |                         |              |
|---------------------------|-------------------------|--------------|
| Suffix                    | Series                  | Catalog Page |
| Q                         | Premium Series (Auto)   | 58 - 59      |
| E                         | Economy Series (Manual) | 61           |
| DF                        | Safety-Slide™           | 63           |

**Note:** for 1/4" Body Size on a 3/8" ID hose, add "2" at the end. Example: DF2



Premium



Economy



Safety-Slide™

# Tubing & Hose



| Specifications             |                       |
|----------------------------|-----------------------|
| Temperature Range          | -40°F to 180°F        |
| Max. Working Pressure      | 300 psi               |
| Construction               | Reinforced Hybrid PVC |
| Hardness                   | Shore 62A             |
| Media                      | Air or Water          |
| Tariff Code (w/ Fittings)  | 3917.33.0000          |
| Tariff Code (w/o Fittings) | 3917.32.0000          |

| Fitting Compatibility                               |
|-----------------------------------------------------|
| STH-Style Compression Replacement Fitting (Page 56) |

## Reinforced Hybrid PVC Air Hose

Striper™ Reinforced Hybrid PVC Air Hose is a lightweight, flexible, abrasion-resistant hybrid PVC air hose intended for the toughest of work environments.

- Smooth, Transparent Outer Layer, Allowing for Easy Cleaning and Inspection
- Nickel-Plated, Field-Repairable Fittings with Bend-Restrictors
- Cold Weather Flexibility down to -40°F
- Will not Kink or Create Loops while Laying on Ground
- Available with Fittings or in Bulk

### STH 14 - 25 BKR 2

| Material |            | Inside Diameter x Outside Diameter |              | Package Lengths |             | Color Code |             | Fitting Option |                         |
|----------|------------|------------------------------------|--------------|-----------------|-------------|------------|-------------|----------------|-------------------------|
| STH      | Hybrid PVC | 14                                 | 1/4" x 7/16" | 10              | 10'         | BKR        | Black & Red | 2              | 1/4" Male NPT Rigid     |
|          |            | 38                                 | 3/8" x 9/16" | 15              | 15'         |            |             | 3              | 3/8" Male NPT Rigid     |
|          |            | 12                                 | 1/2" x 3/4"  | 25              | 25'         |            |             | 4              | 1/2" Male NPT Rigid     |
|          |            |                                    |              | 50              | 50'         |            |             | (Blank)        | No Fittings             |
|          |            |                                    |              | 100             | 100'        |            |             | Q              | Premium Series (Auto)   |
|          |            |                                    |              | A               | 100' (bulk) |            |             | E              | Economy Series (Manual) |
|          |            |                                    |              | B               | 250' (bulk) |            |             | DF             | Safety-Slide™           |
|          |            |                                    |              | C               | 500' (bulk) |            |             |                |                         |

### Fractional Sizes (NPT and Bulk)

| Part Number   | ID               | OD                | Length           | Bend Radius | Fittings               | Package Weight |
|---------------|------------------|-------------------|------------------|-------------|------------------------|----------------|
| STH14-10BKR2  | 0.250"<br>(1/4") | 0.437"<br>(7/16") | 10'              | 1.00"       | 1/4" Male<br>NPT Rigid | 0.58 lb        |
| STH14-15BKR2  |                  |                   | 15'              |             |                        | 0.87 lb        |
| STH14-25BKR2  |                  |                   | 25'              |             |                        | 1.46 lb        |
| STH14-50BKR2  |                  |                   | 50'              |             |                        | 2.92 lb        |
| STH14-100BKR2 |                  |                   | 100'             |             |                        | 5.84 lb        |
| STH14-ABKR    |                  |                   | 100'             |             | No Fittings            | 5.84 lb        |
| STH14-BBKR    |                  |                   | 250'             |             |                        | 14.60 lb       |
| STH14-CBKR    |                  |                   | 500'             |             |                        | 29.20 lb       |
| STH38-10BKR2  | 0.375"<br>(3/8") | 0.562"<br>(9/16") | 10'              | 1.62"       | 1/4" Male<br>NPT Rigid | 0.90 lb        |
| STH38-15BKR2  |                  |                   | 15'              |             |                        | 1.35 lb        |
| STH38-25BKR2  |                  |                   | 25'              |             |                        | 2.26 lb        |
| STH38-50BKR2  |                  |                   | 50'              |             |                        | 4.51 lb        |
| STH38-100BKR2 |                  |                   | 100'             |             |                        | 9.02 lb        |
| STH38-25BKR3  |                  |                   | 25'              |             | 3/8" Male<br>NPT Rigid | 2.26 lb        |
| STH38-50BKR3  |                  |                   | 50'              |             |                        | 4.51 lb        |
| STH38-100BKR3 |                  |                   | 100'             |             |                        | 9.02 lb        |
| STH38-ABKR    |                  |                   | 100'             |             | No Fittings            | 9.02 lb        |
| STH38-BBKR    |                  |                   | 250'             |             |                        | 22.55 lb       |
| STH38-CBKR    |                  |                   | 500'             |             |                        | 45.10 lb       |
| STH12-10BKR4  |                  |                   | 0.500"<br>(1/2") |             | 0.750"<br>(3/4")       | 10'            |
| STH12-15BKR4  | 15'              | 1.99 lb           |                  |             |                        |                |
| STH12-25BKR4  | 25'              | 3.33 lb           |                  |             |                        |                |
| STH12-50BKR4  | 50'              | 6.67 lb           |                  |             |                        |                |
| STH12-100BKR4 | 100'             | 13.33 lb          |                  |             |                        |                |
| STH12-ABKR    | 100'             | No Fittings       |                  | 13.33 lb    |                        |                |
| STH12-BBKR    | 250'             |                   |                  | 33.33 lb    |                        |                |
| STH12-CBKR    | 500'             |                   |                  | 66.65 lb    |                        |                |

# Tubing & Hose

## Fractional Sizes with Pneumatic Quick Disconnect Fittings

| Part Number   | ID               | OD                | Length | Bend Radius | Body Size    | Interchange     | Available QD Style                                                |
|---------------|------------------|-------------------|--------|-------------|--------------|-----------------|-------------------------------------------------------------------|
| STH14-25BKR_  | 0.250"<br>(1/4") | 0.437"<br>(7/16") | 25'    | 1.000"      | 1/4"         | Industrial (US) | Premium Series (Auto)<br>Economy Series (Manual)<br>Safety-Slide™ |
| STH14-50BKR_  |                  |                   | 50'    |             |              |                 |                                                                   |
| STH14-100BKR_ |                  |                   | 100'   |             |              |                 |                                                                   |
| STH38-25BKR_  | 0.375"<br>(3/8") | 0.562"<br>(9/16") | 25'    | 1.625"      | 1/4" or 3/8" | Industrial (US) | Premium Series (Auto)<br>Economy Series (Manual)<br>Safety-Slide™ |
| STH38-50BKR_  |                  |                   | 50'    |             |              |                 |                                                                   |
| STH38-100BKR_ |                  |                   | 100'   |             |              |                 |                                                                   |
| STH12-25BKR_  | 0.500"<br>(1/2") | 0.750"<br>(3/4")  | 25'    | 2.640"      | 1/2"         | Industrial (US) | Safety-Slide™                                                     |
| STH12-50BKR_  |                  |                   | 50'    |             |              |                 |                                                                   |
| STH12-100BKR_ |                  |                   | 100'   |             |              |                 |                                                                   |

| Available QD Suffix Codes |                         |              |
|---------------------------|-------------------------|--------------|
| Suffix                    | Series                  | Catalog Page |
| Q                         | Premium Series (Auto)   | 58 - 59      |
| E                         | Economy Series (Manual) | 61           |
| DF                        | Safety-Slide™           | 63           |

Note: for 1/4" Body Size on a 3/8" ID hose, add "2" at the end. Example: DF2



Premium



Economy



Safety-Slide™

## Other Tubing and Hose Products

The following product can be found on our website and in our Full Product Catalog.

**SURETHANE UV**  
POLYURETHANE

UV-Stabilized Polyurethane Tubing  
for Resistance to Sunlight



**MERCURY™**  
PTFE

Advanced Chemical Resistance with  
a -454°F to 500°F Temperature Range



**VENUS™**  
FEP

Economical Alternative to PTFE with  
a -400°F to 400°F Temperature Range



**SH - Soft Hose**  
60A Reinforced PU Hose

Soft 60A Durometer Reinforced  
Polyurethane Air Hose



# D.O.T. Tubing & Fittings



## Nylon D.O.T. Tubing

D.O.T. Nylon tubing is manufactured specifically for use in heavy vehicle, pneumatic braking systems. Available in both **Type A** and **Type B**, TechniDOT™ tubing offers excellent resistance to abrasion, gasoline, diesel fuel, and commonly used road salts.

**Type A** tubing is a single wall extrusion less than 5/16" OD in size, and only used for accessories such as gauges.

**Type B** tubing is a reinforced extrusion typically over 5/16" OD in size and used to supply air within the braking system.

| Specifications         |                  |
|------------------------|------------------|
| Temperature Range      | -49°F to 221°F   |
| Material               | Nylon 12 (PA 12) |
| Reinforcement (Type B) | Polyester        |
| Safety Factor          | 4:1              |
| Tariff Code            | 3917.32.0000     |

| Certifications/Compliance |  |
|---------------------------|--|
| SAE J 844                 |  |
| DOT FMVSS 49 CFR 571.106  |  |

| Fitting Compatibility                          |  |
|------------------------------------------------|--|
| D.O.T. Push-to-Connect Fittings (page 21 - 22) |  |
| D.O.T. Compression-Style Fittings (page 23)    |  |

| Material Availability by Color Code                                                                                    |      |       |       |           |     |        |
|------------------------------------------------------------------------------------------------------------------------|------|-------|-------|-----------|-----|--------|
| Item Code                                                                                                              | Size | Black | Green | Navy Blue | Red | Yellow |
| DOT04                                                                                                                  | 1/4" | ✓     | ✓     | ✓         | ✓   | ✓      |
| DOT06                                                                                                                  | 3/8" | ✓     | ✓     | ✓         | ✓   | ✓      |
| DOT08                                                                                                                  | 1/2" | ✓     | ✓     | ✓         | ✓   | ✓      |
| DOT10                                                                                                                  | 5/8" | ✓     | ✓     | ✓         | ✓   | ✓      |
| DOT12                                                                                                                  | 3/4" | X     | X     | X         | X   | X      |
| ✓ = Standard Lead Time<br>X = Extended Lead Time, Minimum Runs Apply<br>Availability is Subject to Change, Contact ATP |      |       |       |           |     |        |

## DOT A 04 D NB

| Material |              | Type | Tubing O.D. |      | Package Lengths |         | Color Code |           |
|----------|--------------|------|-------------|------|-----------------|---------|------------|-----------|
| DOT      | D.O.T. Nylon | A    | 04          | 1/4" | A               | 100 ft  | BK         | Black     |
|          |              | B    | 06          | 3/8" | B               | 250 ft  | G          | Green     |
|          |              |      | 08          | 1/2" | C               | 500 ft  | NB         | Navy Blue |
|          |              |      | 10          | 5/8" | D               | 1000 ft | R          | Red       |
|          |              |      | 12          | 3/4" |                 |         | Y          | Yellow    |

## Fractional Sizes

| Part Number (Add Color) | OD            | ID     | Length (ft) | Bend Radius | Working Pressure | Type |
|-------------------------|---------------|--------|-------------|-------------|------------------|------|
| DOTA04A_                | 1/4" (0.250") | 0.170" | 100         | 1.00"       | 300 psi          | A    |
| DOTA04C_                |               |        | 500         |             |                  |      |
| DOTA04D_                |               |        | 1,000       |             |                  |      |
| DOTB06A_                | 3/8" (0.375") | 0.251" | 100         | 1.50"       | 300 psi          | B    |
| DOTB06C_                |               |        | 500         |             |                  |      |
| DOTB08A_                | 1/2" (0.500") | 0.376" | 100         | 2.00"       | 235 psi          | B    |
| DOTB08C_                |               |        | 500         |             |                  |      |
| DOTB10A_                | 5/8" (0.625") | 0.441" | 100         | 2.50"       | 225 psi          | B    |
| DOTB10B_                |               |        | 250         |             |                  |      |
| DOTB12A_                | 3/4" (0.750") | 0.566" | 100         | 3.00"       | 200 psi          | B    |
| DOTB12B_                |               |        | 250         |             |                  |      |



# D.O.T. Tubing & Fittings



## D.O.T. Fittings

Constructed of brass and available in push-to-connect, compression, and rubber hose applications, TechniDOT™ is well-suited for air brake applications.

- Every TechniDOT™ Fitting is Quality Tested and Stamped with a Green Circle
- Pre-Applied Teflon® Sealant on Male Threads
- Full-Flow Design

### DOT 68 - 04 02

| TechniDOT™ | Fitting Style | Tubing/Hose Size |       | Thread Size |       |
|------------|---------------|------------------|-------|-------------|-------|
|            |               | 02               | 1/8"  | 01          | 1/16" |
|            |               | 04               | 1/4"  | 02          | 1/8"  |
|            |               | 05               | 5/32" | 04          | 1/4"  |
|            |               | 06               | 3/8"  | 06          | 3/8"  |
|            |               | 08               | 1/2"  | 08          | 1/2"  |
|            |               | 10               | 5/8"  | 10          | 5/8"  |
|            |               | 12               | 3/4"  | 12          | 3/4"  |

| Specifications           |                                  |
|--------------------------|----------------------------------|
| Temperature Range        | -40° F to 212°F (-40°C to 100°C) |
| Maximum Working Pressure | 260 psi (17.9 Bar)               |
| Construction             | Brass                            |
| Seals                    | NBR Rubber                       |



## TechniDOT™ Push-to-Connect Fittings



| Tube  | Thread         | 45° Male Rigid | 45° Male Swivel | Male Straight | Male Rigid Elbow | Male Swivel Elbow |
|-------|----------------|----------------|-----------------|---------------|------------------|-------------------|
| 5/32" | 1/16" Male NPT | DOT54-0501*    | DOT54S-0501*    | DOT68-0501    |                  |                   |
|       | 1/8" Male NPT  | DOT54-0502*    | DOT54S-0502*    | DOT68-0502    | DOT69-0502       | DOT69S-0502       |
|       | 1/4" Male NPT  | DOT54-0504*    |                 |               |                  | DOT69S-0504       |
| 1/4"  | 1/16" Male NPT |                |                 | DOT68-0401    |                  |                   |
|       | 1/8" Male NPT  | DOT54-0402     | DOT54S-0402     | DOT68-0402    | DOT69-0402       | DOT69S-0402       |
|       | 1/4" Male NPT  | DOT54-0404     | DOT54S-0404     | DOT68-0404    | DOT69-0404       | DOT69S-0404       |
|       | 3/8" Male NPT  |                |                 | DOT68-0406    | DOT69-0406       | DOT69S-0406       |
| 3/8"  | 1/8" Male NPT  | DOT54-0602     | DOT54S-0602     | DOT68-0602    | DOT69-0602       | DOT69S-0602       |
|       | 1/4" Male NPT  | DOT54-0604     | DOT54S-0604     | DOT68-0604    | DOT69-0604       | DOT69S-0604       |
|       | 3/8" Male NPT  | DOT54-0606     | DOT54S-0606     | DOT68-0606    | DOT69-0606       | DOT69S-0606       |
|       | 1/2" Male NPT  | DOT54-0608     |                 | DOT68-0608    | DOT69-0608       | DOT69S-0608       |
| 1/2"  | 1/4" Male NPT  | DOT54-0804     | DOT54S-0804     | DOT68-0804    | DOT69-0804       | DOT69S-0804       |
|       | 3/8" Male NPT  | DOT54-0806     | DOT54S-0806     | DOT68-0806    | DOT69-0806       | DOT69S-0806       |
|       | 1/2" Male NPT  | DOT54-0808     | DOT54S-0808     | DOT68-0808    | DOT69-0808       | DOT69S-0808       |
| 5/8"  | 3/8" Male NPT  | DOT54-1006     |                 | DOT68-1006    | DOT69-1006       | DOT69S-1006       |
|       | 1/2" Male NPT  | DOT54-1008     | DOT54S-1008     | DOT68-1008    | DOT69-1008       | DOT69S-1008       |
| 3/4"  | 1/2" Male NPT  | DOT54-1208     |                 | DOT68-1208    | DOT69-1208       | DOT69S-1208       |
|       | 3/4" Male NPT  | DOT54-1212     | DOT54S-1212     | DOT68-1212    | DOT69-1212       | DOT69S-1212       |

\* Non-Stock, Minimums Apply



# D.O.T. Tubing & Fittings



| Tube | Thread          | Hex Female Straight | Female Rigid Elbow | Female Swivel Elbow | Female Rigid Branch Tee | Female Swivel Branch Tee | Female Bulkhead Union |
|------|-----------------|---------------------|--------------------|---------------------|-------------------------|--------------------------|-----------------------|
| 1/4" | 1/8" Female NPT | DOT66-0402          | DOT70-0402         |                     | DOT77-0402              | DOT77S-0402              | DOT86-0402            |
|      | 1/4" Female NPT | DOT66-0404          | DOT70-0404         | DOT70S-0404         | DOT77-0404              | DOT77S-0404              | DOT86-0404            |
|      | 3/8" Female NPT |                     | DOT70-0406         |                     |                         |                          |                       |
| 3/8" | 1/4" Female NPT | DOT66-0604          | DOT70-0604         |                     | DOT77-0604              | DOT77S-0604              | DOT86-0604            |
|      | 3/8" Female NPT | DOT66-0606          | DOT70-0606         |                     | DOT77-0606              |                          | DOT86-0606            |
| 1/2" | 3/8" Female NPT | DOT66-0806          |                    |                     |                         |                          | DOT86-0806            |
|      | 1/2" Female NPT | DOT66-0808          | DOT70-0808         |                     |                         |                          |                       |



| Tube | Tube 2 | Thread        | Male Rigid Run Tee | Male Swivel Run Tee | Male Rigid Branch Tee | Male Swivel Branch Tee | Reducing Male Rigid Run Tee |
|------|--------|---------------|--------------------|---------------------|-----------------------|------------------------|-----------------------------|
| 1/4" | 1/4"   | 1/8" Male NPT | DOT71-0402         | DOT71S-0402         | DOT72-0402            | DOT72S-0402            |                             |
|      |        | 1/4" Male NPT | DOT71-0404         | DOT71S-0404         | DOT72-0404            | DOT72S-0404            |                             |
| 3/8" | 1/4"   | 1/4" Male NPT |                    |                     |                       |                        | DOT78-060404                |
|      | 3/8"   | 1/8" Male NPT |                    |                     |                       | DOT72S-0602            |                             |
|      |        | 1/4" Male NPT | DOT71-0604         | DOT71S-0604         | DOT72-0604            | DOT72S-0604            |                             |
|      |        | 3/8" Male NPT | DOT71-0606         | DOT71S-0606         | DOT72-0606            |                        |                             |
| 1/2" | 1/2"   | 1/4" Male NPT |                    |                     | DOT72-0804            | DOT72S-0804            |                             |
|      |        | 3/8" Male NPT | DOT71-0806         | DOT71S-0806         | DOT72-0806            | DOT72S-0806            |                             |
|      |        | 1/2" Male NPT |                    | DOT71S-0808         |                       | DOT72S-0808            |                             |



| Tube         | Union    | Bulkhead Union | Union Tee  | Union Elbow |
|--------------|----------|----------------|------------|-------------|
| 5/32"        | DOT62-05 |                |            |             |
| 1/4"         | DOT62-04 | DOT82-04       | DOT64-04   | DOT65-04    |
| 1/4" x 3/8"  |          |                | DOT79-0406 |             |
| 3/8"         | DOT62-06 | DOT82-06       | DOT64-06   | DOT65-06    |
| 3/8" x 5/32" |          |                | DOT79-0605 |             |
| 3/8" x 1/4"  |          |                | DOT79-0604 |             |
| 1/2"         | DOT62-08 | DOT82-08       | DOT64-08   | DOT65-08    |
| 5/8"         | DOT62-10 | DOT82-10       | DOT64-10   |             |
| 3/4"         | DOT62-12 |                | DOT64-12   |             |

## Warning

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# D.O.T. Tubing & Fittings

## TechniDOT™ Compression Fittings (For Use with SAE J844 Nylon Tubing)



| Tube               | Ferrule  | Nut      | Union     | Union Tee     | Tube Insert |
|--------------------|----------|----------|-----------|---------------|-------------|
| 1/4"               | DOT60-04 | DOT61-04 | DOT62C-04 | DOT64C-04     | DOT73C-04   |
| 1/4" x 3/8" x 3/8" |          |          |           | DOT64C-040606 |             |
| 3/8"               | DOT60-06 | DOT61-06 | DOT62C-06 | DOT64C-06     | DOT73C-06   |
| 3/8" x 3/8" x 1/4" |          |          |           | DOT64C-060604 |             |
| 1/2"               | DOT60-08 | DOT61-08 | DOT62C-08 | DOT64C-08     | DOT73C-08   |
| 1/2" x 1/2" x 3/8" |          |          |           | DOT64C-080806 |             |
| 5/8"               | DOT60-10 | DOT61-10 | DOT62C-10 | DOT64C-10     | DOT73C-10   |
| 3/4"               | DOT60-12 | DOT61-12 | DOT62C-12 | DOT64C-12     | DOT73C-12   |



| Tube        | Thread        | Male Connector | 90° Male Elbow | Male Run Tee  | Male Branch Tee | 45° Male Elbow |
|-------------|---------------|----------------|----------------|---------------|-----------------|----------------|
| 1/4"        | 1/8" Male NPT | DOT68C-0402    | DOT69C-0402    | DOT71C-0402   | DOT72C-0402     | DOT95C-0402    |
|             | 1/4" Male NPT | DOT68C-0404    | DOT69C-0404    | DOT71C-0404   | DOT72C-0404     | DOT95C-0404    |
|             | 3/8" Male NPT | DOT68C-0406    | DOT69C-0406    |               |                 |                |
| 3/8"        | 1/8" Male NPT | DOT68C-0602    | DOT69C-0602    |               | DOT72C-0602     | DOT95C-0602    |
|             | 1/4" Male NPT | DOT68C-0604    | DOT69C-0604    | DOT71C-0604   | DOT72C-0604     | DOT95C-0604    |
| 3/8" x 1/4" | 1/4" Male NPT |                |                | DOT71C-060404 |                 |                |
| 3/8"        | 3/8" Male NPT | DOT68C-0606    | DOT69C-0606    | DOT71C-0606   | DOT72C-0606     | DOT95C-0606    |
|             | 1/2" Male NPT | DOT68C-0608    | DOT69C-0608    |               |                 | DOT95C-0608    |
| 1/2"        | 1/4" Male NPT | DOT68C-0804    | DOT69C-0804    |               | DOT72C-0804     | DOT95C-0804    |
|             | 3/8" Male NPT | DOT68C-0806    | DOT69C-0806    | DOT71C-0806   | DOT72C-0806     | DOT95C-0806    |
|             | 1/2" Male NPT | DOT68C-0808    | DOT69C-0808    | DOT71C-0808   | DOT72C-0808     | DOT95C-0808    |
|             | 3/4" Male NPT | DOT68C-0812    |                |               |                 |                |
| 5/8"        | 3/8" Male NPT | DOT68C-1006    | DOT69C-1006    |               |                 | DOT95C-1006    |
|             | 1/2" Male NPT | DOT68C-1008    | DOT69C-1008    | DOT71C-1008   | DOT72C-1008     | DOT95C-1008    |
| 3/4"        | 1/2" Male NPT | DOT68C-1208    | DOT69C-1208    |               |                 | DOT95C-1208    |
|             | 3/4" Male NPT | DOT68C-1212    |                |               |                 |                |

### Warning

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# D.O.T Tubing & Fittings

## TechniDOT™ Rubber Hose Fittings (For Use with SAE J1402 Rubber Hose)



| Hose ID | Thread | Male Connector With Spring | Male Connector Without Spring | Female Crimp Connector | Male Connector Body |
|---------|--------|----------------------------|-------------------------------|------------------------|---------------------|
| 3/8"    | 1/4"   | DOT78RH-0604               | DOT68RH-0604                  |                        |                     |
|         | 3/8"   | DOT78RH-0606               | DOT68RH-0606                  |                        | DOT66RHB-0606       |
|         | 1/2"   | DOT78RH-0608               | DOT68RH-0608                  |                        | DOT66RHB-0608       |
|         | 3/4"   |                            |                               | DOT66RH-0612           |                     |
| 1/2"    | 3/8"   | DOT78RH-0806               | DOT68RH-0806                  |                        | DOT66RHB-0806       |
|         | 1/2"   | DOT78RH-0808               | DOT68RH-0808                  |                        | DOT66RHB-0808       |
|         | 7/8"   |                            |                               | DOT66RH-0814           |                     |



| Hose ID | Sleeve     | Spring Guard Nut | Rubber Union | Spring     |
|---------|------------|------------------|--------------|------------|
| 3/8"    | DOT60RH-06 | DOT61RH-06       | DOT62RH-06   | DOT70RH-06 |
| 1/2"    | DOT60RH-08 | DOT61RH-08       | DOT62RH-08   | DOT70RH-08 |

## TechniDOT™ Thread Adapters



| Thread 1 | Thread 2 | Male Adapter |
|----------|----------|--------------|
| 3/8"     | 1/4"     | DOT88-0604   |

**Warning**

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# Weld-Spatter Tubing & Fittings



## Weld Spatter-Resistant Tubing

Armor-Weld™ Spatter-Resistant Tubing is specifically designed for use near welding operations. The protective olefin flame-resistant jacket provides protection against **direct** exposure to weld sparks.

- Armored Jacket Protects Tubing in Welding Environments
- Superior Kink Resistance
- High Abrasion Resistance
- UV-Resistant
- Oil-Resistant
- Flame-Retardant Cover
- Resists Hydrolysis
- Ozone-Resistant
- Connections are Made by Stripping Jacket and Exposing Tubing Core

### LE 14 A BK

| Material |                        | Outside Diameter |             | Package Lengths |           | Color Code |            |
|----------|------------------------|------------------|-------------|-----------------|-----------|------------|------------|
| LE       | Weld Spatter PU        | 04M/532          | 4mm / 5/32" | B               | 250'      | BK         | Black      |
| 2LE      | 2-Core Weld Spatter PU | 14               | 1/4"        | F               | 328'/100m | G          | Green      |
|          |                        | 08M/516          | 8mm / 5/16" |                 |           | LB         | Light Blue |
|          |                        | 38               | 3/8"        |                 |           | R          | Red        |
|          |                        | 12               | 1/2"        |                 |           | W          | White      |
|          |                        | 06M              | 6mm         |                 |           | Y          | Yellow     |
|          |                        | 10M              | 10mm        |                 |           |            |            |
|          |                        | 12M              | 12mm        |                 |           |            |            |

| Specifications    |                                    |
|-------------------|------------------------------------|
| Temperature Range | -68°F to 140°F*                    |
| Vacuum Rating     | 28" HG                             |
| Hardness          | Shore 98A                          |
| Safety Factor     | 3:1                                |
| Material          | PU w/ Olefin Jacket (Polyurethane) |
| Pressure Range    | See Charts                         |
| Media             | Gases & Liquids                    |
| Tariff Code       | 3917.32.0000                       |

| Certifications/Compliance |  |
|---------------------------|--|
| UL94VO (Outer Jacket)     |  |
| UL Yellow Card Listed     |  |
| RoHs/Reach Compliant      |  |

| Fitting Compatibility                     |  |
|-------------------------------------------|--|
| Technifit™ Push to Connect (Page 34 - 48) |  |
| Compression                               |  |
| Hose-Barb (Page 67)                       |  |

| Material Availability by Color Code                                                                                                                      |    |   |    |    |   |   |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|----|----|---|---|--|
| Model                                                                                                                                                    | BK | G | LB | R  | Y | W |  |
| LE04M/532                                                                                                                                                | X  | X | X  | X  | X | X |  |
| LE14                                                                                                                                                     | ✓  | ✓ | ✓  | ✓  | X | X |  |
| LE08M/516                                                                                                                                                | ✓  | ✓ | ✓  | ✓  | ✓ | ✓ |  |
| LE38                                                                                                                                                     | ✓  | X | ✓  | X  | X | X |  |
| LE12                                                                                                                                                     | ✓  | X | ✓  | LQ | X | X |  |
| LE06M                                                                                                                                                    | ✓  | ✓ | ✓  | ✓  | ✓ | ✓ |  |
| LE10M                                                                                                                                                    | ✓  | ✓ | ✓  | ✓  | ✓ | ✓ |  |
| LE12M                                                                                                                                                    | ✓  | ✓ | ✓  | X  | ✓ | ✓ |  |
| ✓ = Standard Lead Time<br>LQ = Limited Quantities, Contact ATP<br>X = Non-Stock, Minimum Runs Required<br>Availability is Subject to Change, Contact ATP |    |   |    |    |   |   |  |

## Warning

This product can expose you to chemicals including Antimony Trioxide which is known to the State of California to cause cancer.

For more information, go to:

[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# Weld-Spatter Tubing & Fittings



## Fractional Sizes

| Part Number<br>(Add Color) | OD                | ID                 | Length    | Wall<br>Thickness | Jacket<br>Thickness | Bend<br>Radius | Working Pressure<br>at 75°F | Number<br>Cores | Package<br>Weight |
|----------------------------|-------------------|--------------------|-----------|-------------------|---------------------|----------------|-----------------------------|-----------------|-------------------|
| LE04M/532F_                | 0.156"<br>(5/32") | 0.098"             | 328'/100m | 0.029"            | 0.039"              | 0.39"          | 200 psi                     | 1               | 8.00 lb           |
| 2LE04M/532F_               |                   |                    |           |                   |                     |                |                             | 2 (Bonded)      | 16.00 lb          |
| LE14B_                     | 0.250"<br>(1/4")  | 0.156"<br>(5/32")  | 250'      | 0.047"            | 0.039"              | 0.59"          | 180 psi                     | 1               | 8.65 lb           |
| 2LE14B_                    |                   |                    |           |                   |                     |                |                             | 2 (Bonded)      | 17.30 lb          |
| LE08M/516F_                | 0.312"<br>(5/16") | 0.196"             | 328'/100m | 0.058"            | 0.039"              | 0.78"          | 175 psi                     | 1               | 15.20 lb          |
| 2LE08M/516F_               |                   |                    |           |                   |                     |                |                             | 2 (Bonded)      | 30.40 lb          |
| LE38B_                     | 0.375"<br>(3/8")  | 0.250"<br>(1/4")   | 250'      | 0.062"            | 0.039"              | 0.98"          | 150 psi                     | 1               | 15.20 lb          |
| 2LE38B_                    |                   |                    |           |                   |                     |                |                             | 2 (Bonded)      | 30.40 lb          |
| LE12B_                     | 0.500"<br>(1/2")  | 0.328"<br>(21/64") | 250'      | 0.086"            | 0.039"              | 1.17"          | 150 psi                     | 1               | 23.20 lb          |
| 2LE12B_                    |                   |                    |           |                   |                     |                |                             | 2 (Bonded)      | 46.40 lb          |

## Metric Sizes

| Part Number<br>(Add Color) | OD   | ID    | Length    | Wall<br>Thickness | Jacket<br>Thickness | Bend<br>Radius | Working Pressure<br>at 75°F | Number<br>Cores | Package<br>Weight |
|----------------------------|------|-------|-----------|-------------------|---------------------|----------------|-----------------------------|-----------------|-------------------|
| LE04M/532F_                | 4mm  | 2.5mm | 328'/100m | 0.75mm            | 1mm                 | 10mm           | 200 psi                     | 1               | 8.00 lb           |
| 2LE04M/532F_               |      |       |           |                   |                     |                |                             | 2 (Bonded)      | 16.00 lb          |
| LE06MF_                    | 6mm  | 4mm   | 328'/100m | 1.00mm            | 1mm                 | 15mm           | 180 psi                     | 1               | 10.00 lb          |
| 2LE06MF_                   |      |       |           |                   |                     |                |                             | 2 (Bonded)      | 20.00 lb          |
| LE08M/516F_                | 8mm  | 5mm   | 328'/100m | 1.50mm            | 1mm                 | 20mm           | 175 psi                     | 1               | 15.20 lb          |
| 2LE08M/516F_               |      |       |           |                   |                     |                |                             | 2 (Bonded)      | 30.40 lb          |
| LE10MF_                    | 10mm | 6.5mm | 328'/100m | 1.75mm            | 1mm                 | 25mm           | 150 psi                     | 1               | 21.60 lb          |
| 2LE10MF_                   |      |       |           |                   |                     |                |                             | 2 (Bonded)      | 43.20 lb          |
| LE12MF_                    | 12mm | 8mm   | 328'/100m | 2.00mm            | 1mm                 | 30mm           | 150 psi                     | 1               | 28.00 lb          |
| 2LE12MF_                   |      |       |           |                   |                     |                |                             | 2 (Bonded)      | 56.00 lb          |

## Armor-Weld™ Jacketed Weld-Spatter Tubing Skiving Tool

Designed for use with a drill, the Armor-Weld™ Skiving Tool allows users to efficiently remove the jacket from Armor-Weld Tubing.



- Safely Removes Weld-Spatter Jackets
- Repeatability for Production Settings
- Standard 1/4" Driver Bit, Fits Common Drills and Drivers

### Metric Tube Sizes

| Item        | Tubing Size  |
|-------------|--------------|
| TS-200-8MM  | 5/16" or 8mm |
| TS-200-10MM | 10mm         |
| TS-200-12MM | 12mm         |

# Weld-Spatter Tubing & Fittings



## Single-Core Weld-Spatter Tubing

MonoShield™ Spatter-Resistant Tubing is a rubber/polyurethane blended material specifically designed for use near welding operations. Extruded from a single core, there is no extra process required, such as stripping away a jacket. MonoShield provides protection against **indirect** exposure to weld sparks.

- Single-Core Extrusion, No Stripping of Jacket Required
- Suited for Automation Environments
- Superior Kink Resistance
- Abrasion-Resistant
- UV-Resistant
- Oil-Resistant
- Flame-Resistant
- Resists Hydrolysis

| Specifications    |                 |
|-------------------|-----------------|
| Temperature Range | -68°F to 140°F  |
| Vacuum Rating     | 28" HG          |
| Hardness          | Shore 98A       |
| Safety Factor     | 3:1             |
| Material          | Polyurethane    |
| Pressure Range    | See Charts      |
| Media             | Gases & Liquids |
| Tariff Code       | 3917.32.0000    |

| Certifications/Compliance |
|---------------------------|
| UL94VO                    |

| Fitting Compatibility                     |
|-------------------------------------------|
| Technifit™ Push to Connect (Page 34 - 48) |
| Compression                               |
| Hose-Barb (Page 67)                       |

| Material Availability by Color Code                                                                            |    |   |    |    |   |   |
|----------------------------------------------------------------------------------------------------------------|----|---|----|----|---|---|
| Model                                                                                                          | BK | G | LB | R  | W | Y |
| MS04M/532                                                                                                      | LQ | X | LQ | X  | X | X |
| MS14                                                                                                           | LQ | X | LQ | LQ | X | X |
| MS08M/516                                                                                                      | LQ | X | X  | X  | X | X |
| MS38                                                                                                           | LQ | X | X  | X  | X | X |
| MS12                                                                                                           | LQ | X | X  | LQ | X | X |
| MS06M                                                                                                          | X  | X | X  | X  | X | X |
| MS10M                                                                                                          | X  | X | X  | X  | X | X |
| MS12M                                                                                                          | X  | X | X  | X  | X | X |
| LQ = Limited Quantities X = Non-Stock, Minimum Runs Required<br>Availability is Subject to Change, Contact ATP |    |   |    |    |   |   |

## MS 14 A Y

| Material |                          | Outside Diameter |             | Package Lengths |      | Color Code |            |
|----------|--------------------------|------------------|-------------|-----------------|------|------------|------------|
| MS       | Single Core Weld Spatter | MS04M/532        | 4mm / 5/32" | A               | 100' | BK         | Black      |
| 2MS      | Bonded Weld Spatter      | MS14             | 1/4"        | B               | 250' | G          | Green      |
|          |                          | MS08M/516        | 8mm / 5/16" |                 |      | LB         | Light Blue |
|          |                          | MS38             | 3/8"        |                 |      | R          | Red        |
|          |                          | MS12             | 1/2"        |                 |      | W          | White      |
|          |                          | MS06M            | 6mm         |                 |      | Y          | Yellow     |
|          |                          | MS10M            | 10mm        |                 |      |            |            |
|          |                          | MS12M            | 12mm        |                 |      |            |            |
|          |                          | MS16M            | 16mm        |                 |      |            |            |



# Weld-Spatter Tubing & Fittings



## Fractional Sizes

| Part Number<br>(Add Color) | OD                | ID                 | Length | Wall<br>Thickness | Bend<br>Radius | Working Pressure<br>at 75°F | Number<br>Tubes | Package<br>Weight |
|----------------------------|-------------------|--------------------|--------|-------------------|----------------|-----------------------------|-----------------|-------------------|
| MS04M/532A_                | 0.156"<br>(5/32") | 0.093"             | 100'   | 0.312"            | 0.500"         | 200 psi                     | 1               | 0.60 lb           |
| MS04M/532B_                |                   |                    | 250'   |                   |                |                             |                 | 1.50 lb           |
| 2MS04M/532A_               |                   |                    | 100'   |                   |                |                             | 2<br>(Bonded)   | 1.20 lb           |
| 2MS04M/532B_               |                   |                    | 250'   |                   |                |                             |                 | 3.00 lb           |
| MS14A_                     | 0.250"<br>(1/4")  | 0.156"<br>(5/32")  | 100'   | 0.047"            | 0.625"         | 180 psi                     | 1               | 1.50 lb           |
| MS14B_                     |                   |                    | 250'   |                   |                |                             |                 | 3.75 lb           |
| 2MS14A_                    |                   |                    | 100'   |                   |                |                             | 2<br>(Bonded)   | 3.00 lb           |
| 2MS14B_                    |                   |                    | 250'   |                   |                |                             |                 | 7.50 lb           |
| MS08M/516A_                | 0.312"<br>(5/16") | 0.188"<br>(3/16")  | 100'   | 0.062"            | 0.750"         | 175 psi                     | 1               | 2.50 lb           |
| MS08M/516B_                |                   |                    | 250'   |                   |                |                             |                 | 6.25 lb           |
| 2MS08M/516A_               |                   |                    | 100'   |                   |                |                             | 2<br>(Bonded)   | 5.00 lb           |
| 2MS08M/516B_               |                   |                    | 250'   |                   |                |                             |                 | 12.50 lb          |
| MS38A_                     | 0.375"<br>(3/8")  | 0.250"<br>(1/4")   | 100'   | 0.062"            | 1.000"         | 150 psi                     | 1               | 3.10 lb           |
| MS38B_                     |                   |                    | 250'   |                   |                |                             |                 | 7.75 lb           |
| 2MS38A_                    |                   |                    | 100'   |                   |                |                             | 2<br>(Bonded)   | 6.20 lb           |
| 2MS38B_                    |                   |                    | 250'   |                   |                |                             |                 | 15.50 lb          |
| MS12A_                     | 0.500"<br>(1/2")  | 0.328"<br>(21/64") | 100'   | 0.085"            | 1.250"         | 150 psi                     | 1               | 6.10 lb           |
| MS12B_                     |                   |                    | 250'   |                   |                |                             |                 | 15.25 lb          |
| 2MS12A_                    |                   |                    | 100'   |                   |                |                             | 2<br>(Bonded)   | 12.20 lb          |
| 2MS12B_                    |                   |                    | 250'   |                   |                |                             |                 | 30.50 lb          |





# Weld-Spatter Tubing & Fittings



## Weld Spatter Push-to-Connect Fittings

Weld Spatter-Resistant Push-to-Connect fittings are specifically designed for use near welding operations. The unique design of the release ring prevents welding slag from interfering with the operation of the fitting.

### WPC 4 - 01

| Weld Fittings | Model | Tube Size |      | Thread Size |           |
|---------------|-------|-----------|------|-------------|-----------|
|               |       | 4         | 4mm  | 01          | 1/8"      |
|               |       | 6         | 6mm  | 02          | 1/4"      |
|               |       | 8         | 8mm  | 03          | 3/8"      |
|               |       | 10        | 10mm | 04          | 1/2"      |
|               |       | 12        | 12mm | M5          | M5 x 0.8  |
|               |       |           |      | M6          | M6 x 1.0  |
|               |       |           |      | M12         | M12 x 1.5 |
|               |       |           |      | M12         | M12 x 1.5 |

| Specifications     |                                  |
|--------------------|----------------------------------|
| Working Pressure   | -14 to 225 psi (-0.99 to 15 Bar) |
| Temperature Range  | -4°F to 160°F (-15°C to 71°C)    |
| Vacuum Rating      | 28" HG                           |
| Recommended Tubing | Weld Spatter-Resistant Tubings   |
| Media              | Compressed Air/Inert Gases       |

### Jacket Removal Requirements

| Tube Size    | Length of Jacket to Strip |
|--------------|---------------------------|
| 1/4" or 6mm  | 0.70" (17.0mm)            |
| 5/16" or 8mm | 0.73" (18.7mm)            |
| 3/8" or 10mm | 0.82" (21.0mm)            |
| 1/2" or 12mm | 0.89" (22.6mm)            |



| Tube  | Thread        | Male Hex Straight | Female Hex Straight |
|-------|---------------|-------------------|---------------------|
| 1/4"  | 1/8" NPT      | WPC1/4-N01        | WPCF1/4-N01         |
|       | 1/4" NPT      | WPC1/4-N02        | WPCF1/4-N02         |
|       | 3/8" NPT      | WPC1/4-N03        | WPCF1/4-N03         |
|       | 1/2" NPT      | WPC1/4-N04        | WPCF1/4-N04         |
| 5/16" | 1/8" NPT      | WPC5/16-N01       | WPCF5/16-N01        |
|       | 1/4" NPT      | WPC5/16-N02       | WPCF5/16-N02        |
|       | 3/8" NPT      | WPC5/16-N03       | WPCF5/16-N03        |
|       | 1/2" NPT      | WPC5/16-N04       | WPCF5/16-N04        |
| 3/8"  | 1/8" NPT      | WPC3/8-N01        | WPCF3/8-N01         |
|       | 1/4" NPT      | WPC3/8-N02        | WPCF3/8-N02         |
|       | 3/8" NPT      | WPC3/8-N03        | WPCF3/8-N03         |
|       | 1/2" NPT      | WPC3/8-N04        | WPCF3/8-N04         |
| 1/2"  | 1/4" NPT      | WPC1/2-N02        | WPCF1/2-N02         |
|       | 3/8" NPT      | WPC1/2-N03        | WPCF1/2-N03         |
|       | 1/2" NPT      | WPC1/2-N04        | WPCF1/2-N04         |
| 6mm   | 1/8" BSPT (R) | WPC06-01          | WPCF06-01           |
|       | 1/4" BSPT (R) | WPC06-02          | WPCF06-02           |
|       | 3/8" BSPT (R) | WPC06-03          | WPCF06-03           |
|       | 1/2" BSPT (R) | WPC06-04          | WPCF06-04           |
| 8mm   | 1/8" BSPT (R) | WPC08-01          | WPCF08-01           |
|       | 1/4" BSPT (R) | WPC08-02          | WPCF08-02           |
|       | 3/8" BSPT (R) | WPC08-03          | WPCF08-03           |
|       | 1/2" BSPT (R) | WPC08-04          | WPCF08-04           |
| 10mm  | 1/8" BSPT (R) | WPC10-01          | WPCF10-01           |
|       | 1/4" BSPT (R) | WPC10-02          | WPCF10-02           |
|       | 3/8" BSPT (R) | WPC10-03          | WPCF10-03           |
|       | 1/2" BSPT (R) | WPC10-04          | WPCF10-04           |
| 12mm  | 1/4" BSPT (R) | WPC12-02          | WPCF12-02           |
|       | 3/8" BSPT (R) | WPC12-03          | WPCF12-03           |
|       | 1/2" BSPT (R) | WPC12-04          | WPCF12-04           |

### Warning

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# Weld-Spatter Tubing & Fittings



| Tube  | Thread        | Male Elbow  | Male Branch Tee | Male Run Tee |
|-------|---------------|-------------|-----------------|--------------|
| 1/4"  | 1/8" NPT      | WPL1/4-N01  | WPT1/4-N01      | WPST1/4-N01  |
|       | 1/4" NPT      | WPL1/4-N02  | WPT1/4-N02      | WPST1/4-N02  |
|       | 3/8" NPT      | WPL1/4-N03  | WPT1/4-N03      | WPST1/4-N03  |
|       | 1/2" NPT      | WPL1/4-N04  | WPT1/4-N04      | WPST1/4-N04  |
| 5/16" | 1/8" NPT      | WPL5/16-N01 | WPT5/16-N01     | WPST5/16-N01 |
|       | 1/4" NPT      | WPL5/16-N02 | WPT5/16-N02     | WPST5/16-N02 |
|       | 3/8" NPT      | WPL5/16-N03 | WPT5/16-N03     | WPST5/16-N03 |
|       | 1/2" NPT      | WPL5/16-N04 | WPT5/16-N04     | WPST5/16-N04 |
| 3/8"  | 1/8" NPT      | WPL3/8-N01  | WPT3/8-N01      | WPST3/8-N01  |
|       | 1/4" NPT      | WPL3/8-N02  | WPT3/8-N02      | WPST3/8-N02  |
|       | 3/8" NPT      | WPL3/8-N03  | WPT3/8-N03      | WPST3/8-N03  |
|       | 1/2" NPT      | WPL3/8-N04  | WPT3/8-N04      | WPST3/8-N04  |
| 1/2"  | 1/4" NPT      | WPL1/2-N02  | WPT1/2-N02      | WPST1/2-N02  |
|       | 3/8" NPT      | WPL1/2-N03  | WPT1/2-N03      | WPST1/2-N03  |
|       | 1/2" NPT      | WPL1/2-N04  | WPT1/2-N04      | WPST1/2-N04  |
| 6mm   | 1/8" BSPT (R) | WPL06-01    | WPT06-01        | WPST06-01    |
|       | 1/4" BSPT (R) | WPL06-02    | WPT06-02        | WPST06-02    |
|       | 3/8" BSPT (R) | WPL06-03    | WPT06-03        | WPST06-03    |
|       | 1/2" BSPT (R) | WPL06-04    | WPT06-04        | WPST06-04    |
| 8mm   | 1/8" BSPT (R) | WPL08-01    | WPT08-01        | WPST08-01    |
|       | 1/4" BSPT (R) | WPL08-02    | WPT08-02        | WPST08-02    |
|       | 3/8" BSPT (R) | WPL08-03    | WPT08-03        | WPST08-03    |
|       | 1/2" BSPT (R) | WPL08-04    | WPT08-04        | WPST08-04    |
| 10mm  | 1/8" BSPT (R) | WPL10-01    | WPT10-01        | WPST10-01    |
|       | 1/4" BSPT (R) | WPL10-02    | WPT10-02        | WPST10-02    |
|       | 3/8" BSPT (R) | WPL10-03    | WPT10-03        | WPST10-03    |
|       | 1/2" BSPT (R) | WPL10-04    | WPT10-04        | WPST10-04    |
| 12mm  | 1/4" BSPT (R) | WPL12-02    | WPT12-02        | WPST12-02    |
|       | 3/8" BSPT (R) | WPL12-03    | WPT12-03        | WPST12-03    |
|       | 1/2" BSPT (R) | WPL12-04    | WPT12-04        | WPST12-04    |



| Tube         | Union    | Union Elbow | Union Tee | Bulkhead Union |
|--------------|----------|-------------|-----------|----------------|
| 1/4"         | WPUC1/4  | WPUL1/4     | WPUT1/4   | WPMM1/4        |
| 5/16" or 8mm | WPUC5/16 | WPUL5/16    | WPUT5/16  | WPMM5/16       |
| 3/8"         | WPUC3/8  | WPUL3/8     | WPUT3/8   | WPMM3/8        |
| 1/2"         | WPUC1/2  | WPUL1/2     | WPUT1/2   | WPMM1/2        |
| 6mm          | WPUC06   | WPUL06      | WPUT06    | WPMM06         |
| 10mm         | WPUC10   | WPUL10      | WPUT10    | WPMM10         |
| 12mm         | WPUC12   | WPUL12      | WPUT12    | WPMM12         |



## Warning

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# Bonded Tubing



## Bonded NSF 51® Polyurethane Tubing



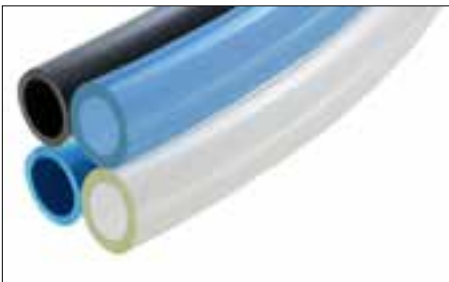
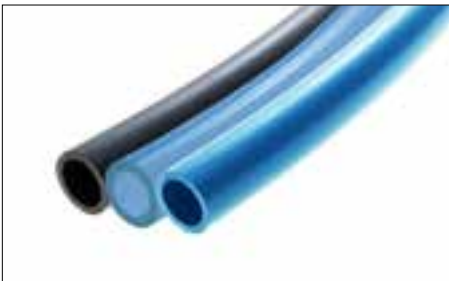
ATP's Technibond® series utilizes NSF 51® Certified Surethane™ 98A Polyurethane tubing to create multiple-bore bonded tubing.

- Time-Saving Measure for OEM Applications
- Resistant to Hydrolysis and Oil
- Kink and Abrasion-Resistant

### 2 MP - 532 - A - 01



| Number of Tubes |        | Model |               | Tube OD |       | Length (Fractional) |          | Color (2 Bore Only) |                  |
|-----------------|--------|-------|---------------|---------|-------|---------------------|----------|---------------------|------------------|
| 2               | 2 Bore | MP    | Bonded 98A PU | 532     | 5/32" | A                   | 25 ft    | 01                  | Black/Clear Blue |
| 3               | 3 Bore |       |               | 14      | 1/4"  | B                   | 50 ft    | 02                  | Light Blue/Clear |
| 4               | 4 Bore |       |               | 38      | 3/8"  | C                   | 100 ft   |                     |                  |
|                 |        |       |               | 12      | 1/2"  | D                   | 250 ft   |                     |                  |
|                 |        |       |               | 04M     | 4mm   | E                   | 500 ft   |                     |                  |
|                 |        |       |               | 06M     | 6mm   | F                   | 1,000 ft |                     |                  |
|                 |        |       |               | 08M     | 8mm   | Length (Metric)     |          |                     |                  |
|                 |        |       |               | 10M     | 10mm  | 50                  | 50 ft    |                     |                  |
|                 |        |       |               | 12M     | 12mm  | A                   | 10m      |                     |                  |
|                 |        |       |               |         |       | B                   | 20m      |                     |                  |
|                 |        |       |               |         |       | C                   | 50m      |                     |                  |
|                 |        |       |               |         |       | D                   | 100m     |                     |                  |
|                 |        |       |               |         |       | E                   | 200m     |                     |                  |
|                 |        |       |               |         |       | F                   | 300m     |                     |                  |



**Note:** See Back Cover or Website for Chemical Compatibility

| Specifications            |                   |
|---------------------------|-------------------|
| Temperature Range         | -40°F to 160°F*   |
| Vacuum Rating             | 28" HG            |
| Tolerance (1/8" to 1/2")  | +/- .005"         |
| Tolerance (9/16" to 3/4") | +/- .006"         |
| Hardness                  | Shore 98A         |
| Safety Factor             | 3:1               |
| Material                  | PU (Polyurethane) |
| Pressure Range            | See Charts        |
| Media                     | Gases & Liquids   |
| Tariff Code               | 3917.32.0000      |

| Certifications/Compliance  |
|----------------------------|
| ROHS Compliant             |
| UL94HB Compliant           |
| NSF 51® Certified          |
| Meets NSF 61® Requirements |

| Fitting Compatibility                     |
|-------------------------------------------|
| Technifit™ Push to Connect (Page 34 - 48) |
| Compression                               |
| Hose-Barb (Page 67)                       |



# Bonded Spirals



## Bonded NSF 51® Polyurethane Spirals

ATP's Technibond® series utilizes NSF 51® Certified Surethane™ 98A Polyurethane tubing to create multiple-bore bonded spirals.

- Time-Saving Measure for OEM Applications
- Resistant to Hydrolysis and Oil
- Kink and Abrasion-Resistant

All Technibond™ Spirals are offered in **number of turns** which provide varying working lengths for each diameter.

**See supplied charts for working length.**



**2 Bore (Black/Clear Blue)**



**3 Bore**



**4 Bore**

### 2 MPS - 532 - 05 - 01

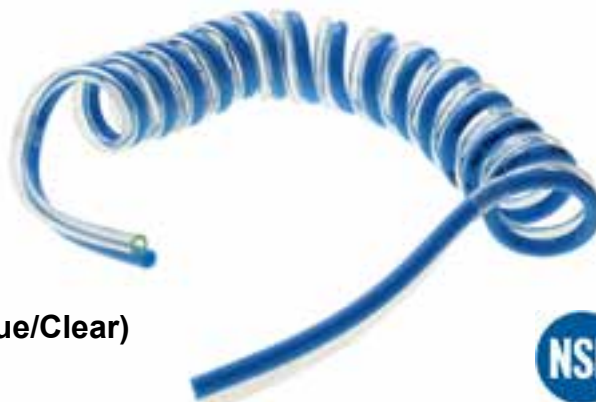
| Number of Tubes |        | Model |                      | Tube OD |       | Number of Turns |    | Color (2 Bore Only) |                  |
|-----------------|--------|-------|----------------------|---------|-------|-----------------|----|---------------------|------------------|
| 2               | 2 Bore | MPS   | Bonded 98A PU Spiral | 532     | 5/32" | 05              | 5  | 01                  | Black/Clear Blue |
| 3               | 3 Bore |       |                      | 14      | 1/4"  | 10              | 10 | 02                  | Light Blue/Clear |
| 4               | 4 Bore |       |                      | 38      | 3/8"  | 15              | 15 |                     |                  |
|                 |        |       |                      | 12      | 1/2"  | 20              | 20 |                     |                  |
|                 |        |       |                      | 04M     | 4mm   | 30              | 30 |                     |                  |
|                 |        |       |                      | 06M     | 6mm   | 40              | 40 |                     |                  |
|                 |        |       |                      | 08M     | 8mm   |                 |    |                     |                  |
|                 |        |       |                      | 10M     | 10mm  |                 |    |                     |                  |
|                 |        |       |                      | 12M     | 12mm  |                 |    |                     |                  |

| Specifications            |                   |
|---------------------------|-------------------|
| Temperature Range         | -40°F to 160°F*   |
| Vacuum Rating             | 28" HG            |
| Tolerance (1/8" to 1/2")  | +/- .005"         |
| Tolerance (9/16" to 3/4") | +/- .006"         |
| Hardness                  | Shore 98A         |
| Safety Factor             | 3:1               |
| Material                  | PU (Polyurethane) |
| Pressure Range            | See Charts        |
| Media                     | Gases & Liquids   |
| Tariff Code               | 3917.32.0000      |

| Certifications/Compliance  |
|----------------------------|
| ROHS Compliant             |
| UL94HB Compliant           |
| NSF 51® Certified          |
| Meets NSF 61® Requirements |

| Fitting Compatibility                     |
|-------------------------------------------|
| Technifit™ Push to Connect (Page 34 - 48) |
| Compression                               |
| Hose-Barb (Page 67)                       |

**Note:** See Back Cover or Website for Chemical Compatibility



**2 Bore (Light Blue/Clear)**



# Bonded Spirals

## Custom Assemblies

Advanced Technology Products can provide custom assemblies for specialized situations. The following services are available:

Custom Tubing Sizes  
Custom Spiral Hose Assemblies  
Custom Straight Hose Assemblies  
Custom Bonded Straight and Spiral Assemblies

Download and submit your Custom Quotation Request at the following web address:

<http://www.atp4pneumatics.com/request-quoteinfo/>



| Custom Bonded Polyurethane Tubing or Spiral RFQ Form                                                                                                                                                           |                          |                          |                                                                                                                                                                                                                                                                                                                                                                                                         |                          |                          |                                                                                                                                                           |                          |                          |                          |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>Style (Check One)</b><br>Bonded Straight Tubing <input type="checkbox"/><br>Bonded Spiral Tubing <input type="checkbox"/>                                                                                   |                          |                          | <b>Configuration (Check One)</b><br><input type="checkbox"/>  Ribbon<br><input type="checkbox"/>  Pyramid<br><input type="checkbox"/>  Stacked |                          |                          | <b>Total Units Required (Fill Out)</b><br>Units <input type="text"/> Total #<br>Feet <input type="text"/><br>Meters <input type="text"/>                  |                          |                          |                          |                          |
| <b>Tubing Information (Fill Out)</b>                                                                                                                                                                           |                          |                          |                                                                                                                                                                                                                                                                                                                                                                                                         |                          |                          |                                                                                                                                                           |                          |                          |                          |                          |
| Tube #                                                                                                                                                                                                         | 1                        | 2                        | 3                                                                                                                                                                                                                                                                                                                                                                                                       | 4                        | 5                        | 6                                                                                                                                                         | 7                        | 8                        | 9                        | 10                       |
| O.D.                                                                                                                                                                                                           |                          |                          |                                                                                                                                                                                                                                                                                                                                                                                                         |                          |                          |                                                                                                                                                           |                          |                          |                          |                          |
| Color                                                                                                                                                                                                          |                          |                          |                                                                                                                                                                                                                                                                                                                                                                                                         |                          |                          |                                                                                                                                                           |                          |                          |                          |                          |
| Electric *                                                                                                                                                                                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <small>*Note: 23 AWG 6 Conductor Stranded Wire is available. Check the Box where each wire will be installed.</small>                                                                                          |                          |                          |                                                                                                                                                                                                                                                                                                                                                                                                         |                          |                          |                                                                                                                                                           |                          |                          |                          |                          |
|                                                                                                                             |                          |                          |                                                                                                                                                                                                                                                                                                                                                                                                         |                          |                          | <b>Spiral Specs (Specify Unit of Measure)</b><br>Working Length<br>Tail 1 Length (B)<br>Tail 2 Length (D)<br>Spiral O.D. (E)                              |                          |                          |                          |                          |
| <b>Packaging Style (Check One)</b><br>Shrink Wrapped (Spirals and Tubing) <input type="checkbox"/><br>Spool (Tubing Only) <input type="checkbox"/><br>Bulk Boxed (Spirals and Tubing) <input type="checkbox"/> |                          |                          | <b>Roll Size (Tubing Only)</b><br>25 ft <input type="checkbox"/> 250 ft <input type="checkbox"/> 25m <input type="checkbox"/><br>50 ft <input type="checkbox"/> 500 ft <input type="checkbox"/> 100m <input type="checkbox"/><br>100 ft <input type="checkbox"/> 1,000 ft <input type="checkbox"/><br>Other <input type="text"/>                                                                        |                          |                          | <b>Fittings (Check or Specify)</b><br>No <input type="checkbox"/> Yes<br><b>Pneumatic Couplings (Check or Specify)</b><br>No <input type="checkbox"/> Yes |                          |                          |                          |                          |



# Push-to-Connect Fittings

## Push-to-Connect Fittings are Offered in Four Styles



**Resin Series**

**Largest Offering of Sizes and configurations**



| Specifications      |                            |
|---------------------|----------------------------|
| Working Pressure    | 150 psi                    |
| Temperature Range   | 32°F to 140°F              |
| Vacuum Rating       | 29.5 " HG                  |
| Metal Body Material | Nickel-Plated Brass        |
| Resin Body Material | PBT Resin                  |
| O-Ring              | NBR (Buna-N)               |
| Grip Ring           | Stainless Steel            |
| Release Ring        | Acetal Plastic             |
| Media               | Compressed Air/Inert Gases |



**Nickel-Plated Brass Series**

**Warning**

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to: [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

**Increased Working Pressure**



| Specifications      |                            |
|---------------------|----------------------------|
| Working Pressure    | 217 psi                    |
| Temperature Range   | 4°F to 160°F               |
| Vacuum Rating       | 28 " HG                    |
| Metal Body Material | Nickel-Plated Brass        |
| O-Ring              | NBR (Buna-N)               |
| Grip Ring           | Stainless Steel            |
| Release Ring        | Nickel-Plated Brass        |
| Media               | Compressed Air/Inert Gases |



**Stainless Steel Series**

**Highest Working Pressure  
Highest Corrosion Resistance**



| Specifications      |                            |
|---------------------|----------------------------|
| Working Pressure    | 290 psi                    |
| Temperature Range   | -20°F to 420°F             |
| Vacuum Rating       | 29.5 " HG                  |
| Metal Body Material | 316 Stainless Steel        |
| O-Ring              | Viton®                     |
| Grip Ring           | 301 Stainless Steel        |
| Release Ring        | 316 Stainless Steel        |
| Media               | Compressed Air/Inert Gases |



**For Contact with Potable Water or Food & Beverage Equipment**



| Specifications                 |                                            |
|--------------------------------|--------------------------------------------|
| Working Pressure @ 77°F        | 232 psi                                    |
| Working Pressure @ 158°F       | 145 psi                                    |
| Temperature Range              | 32°F to 158°F                              |
| Resin Body Material            | POM                                        |
| O-Ring                         | EPDM Rubber                                |
| Release Ring                   | POM & STS301                               |
| Media                          | Compressed Air/ Inert Gases/ Water/ Fluids |
| Max Install Torque 1/8 NPT     | 1.1 lb/ft                                  |
| Max Install Torque 1/4-1/2 NPT | 2.2 lb/ft                                  |



# Push-to-Connect Fittings

## Male Hex Straight

Hex Male Straight Fittings feature a hex outer shape, allowing for simplified installation.



| Tube OD | Thread             | Resin     | Nickel-Plated Brass | Stainless Steel | Fluidfit    |
|---------|--------------------|-----------|---------------------|-----------------|-------------|
| 5/32"   | 1/8" Male NPT      | PC5/32-N1 | B532-01M            | SS532-01M       | HPC5/32-N01 |
|         | 1/4" Male NPT      | PC5/32-N2 | B532-02M            | SS532-02M       | HPC5/32-N02 |
|         | 3/8" Male NPT      | PC5/32-N3 |                     | SS532-03M       |             |
| 1/4"    | 1/8" Male NPT      | PC1/4-N1  | B14-01M             | SS14-01M        | HPC1/4-N01  |
|         | 1/4" Male NPT      | PC1/4-N2  | B14-02M             | SS14-02M        | HPC1/4-N02  |
|         | 3/8" Male NPT      | PC1/4-N3  |                     | SS14-03M        | HPC1/4-N03  |
|         | 1/2" Male NPT      | PC1/4-N4  |                     |                 | HPC1/4-N04  |
| 5/16"   | 1/8" Male NPT      | PC5/16-N1 | B516-01M            | SS516-01M       | HPC5/16-N01 |
|         | 1/4" Male NPT      | PC5/16-N2 | B516-02M            | SS516-02M       | HPC5/16-N02 |
|         | 3/8" Male NPT      | PC5/16-N3 | B516-03M            | SS516-03M       | HPC5/16-N03 |
|         | 1/2" Male NPT      | PC5/16-N4 |                     | SS516-04M       | HPC5/16-N04 |
| 3/8"    | 1/8" Male NPT      | PC3/8-N1  | B38-01M             | SS38-01M        | HPC3/8-N01  |
|         | 1/4" Male NPT      | PC3/8-N2  | B38-02M             | SS38-02M        | HPC3/8-N02  |
|         | 3/8" Male NPT      | PC3/8-N3  | B38-03M             | SS38-03M        | HPC3/8-N03  |
|         | 1/2" Male NPT      | PC3/8-N4  | B38-04M             | SS38-04M        | HPC3/8-N04  |
| 1/2"    | 1/8" Male NPT      | PC1/2-N1  |                     |                 |             |
|         | 1/4" Male NPT      | PC1/2-N2  | B12-02M             | SS12-02M        |             |
|         | 3/8" Male NPT      | PC1/2-N3  | B12-03M             | SS12-03M        | HPC1/2-N03  |
|         | 1/2" Male NPT      | PC1/2-N4  | B12-04M             | SS12-04M        | HPC1/2-N04  |
| 4mm     | 1/8" Male BSPT (R) | PC04-01   | B04-01M-PT          | SS04-01M-PT     | HPC04-R01   |
|         | 1/4" Male BSPT (R) | PC04-02   | B04-02M-PT          | SS04-02M-PT     |             |
|         | 3/8" Male BSPT (R) | PC04-03   |                     |                 |             |
| 6mm     | 1/8" Male BSPT (R) | PC06-01   | B06-01M-PT          | SS06-01M-PT     | HPC06R01    |
|         | 1/4" Male BSPT (R) | PC06-02   | B06-02M-PT          | SS06-02M-PT     | HPC06R02    |
|         | 3/8" Male BSPT (R) | PC06-03   |                     | SS06-03M-PT     | HPC06R03    |
|         | 1/2" Male BSPT (R) | PC06-04   |                     |                 |             |
| 8mm     | 1/8" Male BSPT (R) | PC08-01   | B08-01M-PT          | SS08-01M-PT     | HPC08R01    |
|         | 1/4" Male BSPT (R) | PC08-02   | B08-02M-PT          | SS08-02M-PT     | HPC08R02    |
|         | 3/8" Male BSPT (R) | PC08-03   | B08-03M-PT          | SS08-03M-PT     | HPC08R03    |
|         | 1/2" Male BSPT (R) | PC08-04   |                     |                 |             |
| 10mm    | 1/8" Male BSPT (R) | PC10-01   |                     | SS10-01M-PT     |             |
|         | 1/4" Male BSPT (R) | PC10-02   | B10-02M-PT          | SS10-02M-PT     |             |
|         | 3/8" Male BSPT (R) | PC10-03   | B10-03M-PT          | SS10-03M-PT     | HPC10R03    |
|         | 1/2" Male BSPT (R) | PC10-04   |                     | SS10-04M-PT     | HPC10R04    |
| 12mm    | 1/8" Male BSPT (R) | PC12-01   |                     | SS12-01M-PT     |             |
|         | 1/4" Male BSPT (R) | PC12-02   | B12-02M-PT          | SS12-02M-PT     |             |
|         | 3/8" Male BSPT (R) | PC12-03   | B12-03M-PT          | SS12-03M-PT     | HPC12R03    |
|         | 1/2" Male BSPT (R) | PC12-04   | B12-04M-PT          | SS12-04M-PT     | HPC12R04    |



# Push-to-Connect Fittings

## Hex Female Straight

Equipped with a hex body, allowing for simplified installation.



| Tube OD | Thread          | Resin      | Nickel-Plated Brass | Stainless Steel | Fluidfit   |
|---------|-----------------|------------|---------------------|-----------------|------------|
| 5/32"   | 1/8" Female NPT | PCF5/32-N1 | B532-01F            | SS532-01F       |            |
|         | 1/4" Female NPT | PCF5/32-N2 |                     | SS532-02F       |            |
|         | 3/8" Female NPT |            |                     |                 |            |
| 1/4"    | 1/8" Female NPT | PCF1/4-N1  | B14-01F             | SS14-01F        | HPF1/4-N01 |
|         | 1/4" Female NPT | PCF1/4-N2  | B14-02F             | SS14-02F        | HPF1/4-N02 |
|         | 3/8" Female NPT | PCF1/4-N3  |                     |                 |            |
| 5/16"   | 1/8" Female NPT | PCF5/16-N1 | B516-01F            | SS516-01F       |            |
|         | 1/4" Female NPT | PCF5/16-N2 | B516-02F            | SS516-02F       |            |
|         | 3/8" Female NPT | PCF5/16-N3 |                     | SS516-03F       |            |
|         | 1/2" Female NPT | PCF5/16-N4 |                     | SS516-04F       |            |
| 3/8"    | 1/8" Female NPT | PCF3/8-N1  |                     | SS38-01F        |            |
|         | 1/4" Female NPT | PCF3/8-N2  | B38-02F             | SS38-02F        | HPF3/8-N02 |
|         | 3/8" Female NPT | PCF3/8-N3  | B38-03F             | SS38-03F        |            |
|         | 1/2" Female NPT | PCF3/8-N4  |                     | SS38-04F        |            |
| 1/2"    | 1/4" Female NPT | PCF1/2-N2  |                     | SS12-02F        |            |
|         | 3/8" Female NPT | PCF1/2-N3  |                     | SS12-03F        |            |
|         | 1/2" Female NPT | PCF1/2-N4  |                     | SS12-04F        |            |

| Tube OD | Thread               | Resin    | Stainless Steel |
|---------|----------------------|----------|-----------------|
| 4mm     | 1/8" Female BSPT (R) | PCF04-01 | SS04-01F-PT     |
|         | 1/4" Female BSPT (R) | PCF04-02 |                 |
|         | 3/8" Female BSPT (R) | PCF04-03 |                 |
| 6mm     | 1/8" Female BSPT (R) | PCF06-01 | SS06-01F-PT     |
|         | 1/4" Female BSPT (R) | PCF06-02 | SS06-02F-PT     |
|         | 3/8" Female BSPT (R) | PCF06-03 |                 |
|         | 1/2" Female BSPT (R) | PCF06-04 |                 |
| 8mm     | 1/8" Female BSPT (R) | PCF08-01 |                 |
|         | 1/4" Female BSPT (R) | PCF08-02 | SS08-02F-PT     |
|         | 3/8" Female BSPT (R) | PCF08-03 | SS08-03F-PT     |
|         | 1/2" Female BSPT (R) | PCF08-04 | SS08-04F-PT     |
| 10mm    | 1/8" Female BSPT (R) | PCF10-01 | SS10-01F-PT     |
|         | 1/4" Female BSPT (R) | PCF10-02 | SS10-02F-PT     |
|         | 3/8" Female BSPT (R) | PCF10-03 | SS10-03F-PT     |
|         | 1/2" Female BSPT (R) | PCF10-04 | SS10-04F-PT     |
| 12mm    | 1/4" Female BSPT (R) | PCF12-02 | SS12-02F-PT     |
|         | 3/8" Female BSPT (R) | PCF12-03 | SS12-03F-PT     |
|         | 1/2" Female BSPT (R) | PCF12-04 | SS12-04F-PT     |

## Swivel Female Elbow

Swivel Female Elbows are configured in a 90° elbow with an external hex for tightening.

The swivel body enables flexibility during both installation and operation.



| Tube OD | Thread               | Resin      | Nickel-Plated Brass |
|---------|----------------------|------------|---------------------|
| 5/32"   | 1/8" Female NPT      | PLF5/32-N1 | B532-01FL           |
|         | 1/4" Female NPT      | PLF5/32-N2 |                     |
| 1/4"    | 1/8" Female NPT      | PLF1/4-N1  | B14-01FL            |
|         | 1/4" Female NPT      | PLF1/4-N2  | B14-02FL            |
|         | 3/8" Male NPT        | PLF1/4-N3  |                     |
| 5/16"   | 1/8" Female NPT      | PLF5/16-N1 | B516-01FL           |
|         | 1/4" Female NPT      | PLF5/16-N2 | B516-02FL           |
|         | 3/8" Female NPT      | PLF5/16-N3 |                     |
| 3/8"    | 1/4" Female NPT      | PLF3/8-N2  | B38-02FL            |
|         | 3/8" Female NPT      | PLF3/8-N3  | B38-03FL            |
|         | 1/2" Female NPT      | PLF3/8-N4  |                     |
| 1/2"    | 3/8" Female NPT      | PLF1/2-N3  |                     |
|         | 1/2" Female NPT      | PLF1/2-N4  |                     |
| 4mm     | 1/8" Female BSPT (R) | PLF04-01   | B04-01FL-PT         |
|         | 1/4" Female BSPT (R) | PLF04-02   |                     |

| Tube OD | Thread               | Resin    | Nickel-Plated Brass |
|---------|----------------------|----------|---------------------|
| 6mm     | 1/8" Female BSPT (R) | PLF06-01 | B06-01FL-PT         |
|         | 1/4" Female BSPT (R) | PLF06-02 | B06-02FL-PT         |
|         | 3/8" Female BSPT (R) | PLF06-03 |                     |
|         | 1/2" Female BSPT (R) | PLF06-04 |                     |
| 8mm     | 1/8" Female BSPT (R) | PLF08-01 | B08-01FL-PT         |
|         | 1/4" Female BSPT (R) | PLF08-02 | B08-02FL-PT         |
|         | 3/8" Female BSPT (R) | PLF08-03 |                     |
|         | 1/2" Female BSPT (R) | PLF08-04 |                     |
| 10mm    | 1/8" Female BSPT (R) | PLF10-01 |                     |
|         | 1/4" Female BSPT (R) | PLF10-02 | B10-02FL-PT         |
|         | 3/8" Female BSPT (R) | PLF10-03 | B10-03FL-PT         |
|         | 1/2" Female BSPT (R) | PLF10-04 |                     |
| 12mm    | 1/4" Female BSPT (R) | PLF12-02 |                     |
|         | 3/8" Female BSPT (R) | PLF12-03 |                     |
|         | 1/2" Female BSPT (R) | PLF12-04 |                     |

# Push-to-Connect Fittings

## Swivel Male Elbow

Swivel Male Elbows are configured in a 90° elbow with an external hex for installation. The swivel body enables flexibility during both installation and operation.



| Tube OD | Thread             | Resin     | Nickel-Plated Brass | Stainless Steel | Fluidfit     |
|---------|--------------------|-----------|---------------------|-----------------|--------------|
| 5/32"   | 1/8" Male NPT      | PL5/32-N1 | B532-01ML           | SS532-01ML      | HRPL5/32-N01 |
|         | 1/4" Male NPT      | PL5/32-N2 | B532-02ML           | SS532-02ML      | HRPL5/32-N02 |
|         | 3/8" Male NPT      |           |                     | SS532-03ML      |              |
| 1/4"    | 1/8" Male NPT      | PL1/4-N1  | B14-01ML            | SS14-01ML       | HRPL1/4-N01  |
|         | 1/4" Male NPT      | PL1/4-N2  | B14-02ML            | SS14-02ML       | HRPL1/4-N02  |
|         | 3/8" Male NPT      | PL1/4-N3  |                     | SS14-03ML       |              |
| 5/16"   | 1/8" Male NPT      | PL5/16-N1 | B516-01ML           | SS516-01ML      | HRPL5/16-N01 |
|         | 1/4" Male NPT      | PL5/16-N2 | B516-02ML           | SS516-02ML      | HRPL5/16-N02 |
|         | 3/8" Male NPT      | PL5/16-N3 | B516-03ML           | SS516-03ML      | HRPL5/16-N03 |
|         | 1/2" Male NPT      | PL5/16-N4 |                     | SS516-04ML      |              |
| 3/8"    | 1/8" Male NPT      | PL3/8-N1  | B38-01ML            | SS38-01ML       |              |
|         | 1/4" Male NPT      | PL3/8-N2  | B38-02ML            | SS38-02ML       | HRPL3/8-N02  |
|         | 3/8" Male NPT      | PL3/8-N3  | B38-03ML            | SS38-03ML       | HRPL3/8-N03  |
|         | 1/2" Male NPT      | PL3/8-N4  | B38-04ML            | SS38-04ML       | HRPL3/8-N04  |
| 1/2"    | 1/4" Male NPT      | PL1/2-N2  | B12-02ML            | SS12-02ML       |              |
|         | 3/8" Male NPT      | PL1/2-N3  | B12-03ML            | SS12-03ML       | HRPL1/2-N03  |
|         | 1/2" Male NPT      | PL1/2-N4  | B12-04ML            | SS12-04ML       | HRPL1/2-N04  |
| 4mm     | 1/8" Male BSPT (R) | PL04-01   | B04-01ML-PT         | SS04-01ML-PT    | HRPL04-R01   |
|         | 1/4" Male BSPT (R) | PL04-02   | B04-02ML-PT         | SS04-02ML-PT    | HRPL04-R02   |
|         | 3/8" Male BSPT (R) | PL04-03   |                     |                 |              |
| 6mm     | 1/8" Male BSPT (R) | PL06-01   | B06-01ML-PT         | SS06-01ML-PT    | HRPL06R01    |
|         | 1/4" Male BSPT (R) | PL06-02   | B06-02ML-PT         | SS06-02ML-PT    | HRPL06R02    |
|         | 3/8" Male BSPT (R) | PL06-03   |                     | SS06-03ML-PT    |              |
|         | 1/2" Male BSPT (R) | PL06-04   |                     |                 |              |
| 8mm     | 1/8" Male BSPT (R) | PL08-01   | B08-01ML-PT         | SS08-01ML-PT    | HRPL08R01    |
|         | 1/4" Male BSPT (R) | PL08-02   | B08-02ML-PT         | SS08-02ML-PT    | HRPL08R02    |
|         | 3/8" Male BSPT (R) | PL08-03   | B08-03ML-PT         | SS08-03ML-PT    | HRPL08R03    |
|         | 1/2" Male BSPT (R) | PL08-04   |                     | SS08-04ML-PT    |              |
| 10mm    | 1/8" Male BSPT (R) | PL10-01   |                     | SS10-01ML-PT    |              |
|         | 1/4" Male BSPT (R) | PL10-02   | B10-02ML-PT         | SS10-02ML-PT    | HRPL10R02    |
|         | 3/8" Male BSPT (R) | PL10-03   | B10-03ML-PT         | SS10-03ML-PT    | HRPL10R03    |
|         | 1/2" Male BSPT (R) | PL10-04   |                     | SS10-04ML-PT    | HRPL10R04    |
| 12mm    | 1/8" Male BSPT (R) | PL12-01   |                     | SS12-01ML-PT    |              |
|         | 1/4" Male BSPT (R) | PL12-02   |                     | SS12-02ML-PT    |              |
|         | 3/8" Male BSPT (R) | PL12-03   | B12-03ML-PT         | SS12-03ML-PT    | HRPL12R03    |
|         | 1/2" Male BSPT (R) | PL12-04   | B12-04ML-PT         | SS12-04ML-PT    | HRPL12R04    |

# Push-to-Connect Fittings

## Union Bulkhead & Union Bulkhead Reducers

Bulkhead Unions provide two opposing push-to-connect ports with threaded nuts allowing for installation through a panel or partition.



| Tube 1 OD | Tube 2 OD | Resin   | Nickel-Plated Brass | Stainless Steel | Fluidfit     |
|-----------|-----------|---------|---------------------|-----------------|--------------|
| 5/32"     | 5/32"     | PMM5/32 | B532BU(4MM)         | SS532BU(4MM)    | HMM5/32-5/32 |
| 1/4"      | 1/4"      | PMM1/4  | B14BU               | SS14BU          | HMM1/4-1/4   |
|           | 3/8"      |         |                     |                 | HMM1/4-3/8   |
| 5/16"     | 5/16"     | PMM5/16 | B516BU(8MM)         | SS516BU(8MM)    | HMM5/16-5/16 |
| 3/8"      | 3/8"      | PMM3/8  | B38BU               | SS38BU          | HMM3/8-3/8   |
| 1/2"      | 1/2"      | PMM1/2  | B12BU               | SS12BU          | HMM1/2-1/2   |
| 4mm       | 4mm       | PMM04   | B532BU(4MM)         | SS532BU(4MM)    | HMM0404      |
| 6mm       | 4mm       |         |                     |                 | HMM0604      |
|           | 6mm       | PMM06   | B06BU               | SS06BU          | HMM0606      |
| 8mm       | 6mm       |         |                     |                 | HMM0806      |
|           | 8mm       | PMM08   | B516BU(8MM)         | SS516BU(8MM)    | HMM0808      |
| 10mm      | 10mm      | PMM10   | B10BU               | SS10BU          | HMM1010      |
| 12mm      | 12mm      | PMM12   | B12BU               | SS12BU          | HMM1212      |

## Swivel Male Run Tees

Swivel Male Run Tees provide two opposing push-to-connect ports with a single male threaded fitting. The male fitting swivels, and provides a hex for installation.



| Tube OD | Thread        | Resin (Female) | Nickel-Plated Brass | Fluidfit     | Tube OD | Thread             | Resin (Female) | Nickel-Plated Brass | Fluidfit   |
|---------|---------------|----------------|---------------------|--------------|---------|--------------------|----------------|---------------------|------------|
| 5/32"   | 1/8" Male NPT | PST5/32-N1     | B532-01RT           | HRST5/32-N01 | 4mm     | 1/8" Male BSPT (R) | PST04-01       | B04-01RT-PT         | HRST04-R01 |
|         | 1/4" Male NPT | PTS5/32-N2     | B532-02RT           | HRST5/32-N02 |         | 1/4" Male BSPT (R) | PST04-02       | B04-02RT-PT         | HRST04-R02 |
| 1/4"    | 1/8" Male NPT | PST1/4-N1      | B14-01RT            | HRST1/4-N01  |         | 3/8" Male BSPT (R) | PST04-03       |                     |            |
|         | 1/4" Male NPT | PST1/4-N2      | B14-02RT            | HRST1/4-N02  | 6mm     | 1/8" Male BSPT (R) | PST06-01       | B06-01RT-PT         | HRST06R01  |
|         | 3/8" Male NPT | PST1/4-N3      |                     |              |         | 1/4" Male BSPT (R) | PST06-02       | B06-02RT-PT         | HRST06R02  |
| 5/16"   | 1/8" Male NPT | PST5/16-N1     | B516-01RT           | HRST5/16-N01 |         | 3/8" Male BSPT (R) | PST06-03       |                     |            |
|         | 1/4" Male NPT | PST5/16-N2     | B516-02RT           | HRST5/16-N02 |         | 1/2" Male BSPT (R) | PST06-04       |                     |            |
|         | 3/8" Male NPT | PST5/16-N3     |                     | HRST5/16-N03 | 8mm     | 1/8" Male BSPT (R) | PST08-01       | B08-01RT-PT         | HRST08R01  |
|         | 1/2" Male NPT | PST5/16-N4     |                     |              |         | 1/4" Male BSPT (R) | PST08-02       | B08-02RT-PT         | HRST08R02  |
| 3/8"    | 1/8" Male NPT | PST3/8-N1      |                     |              |         | 3/8" Male BSPT (R) | PST08-03       |                     | HRST08R03  |
|         | 1/4" Male NPT | PST3/8-N2      | B38-02RT            | HRST3/8-N02  |         | 1/2" Male BSPT (R) | PST08-04       |                     |            |
|         | 3/8" Male NPT | PST3/8-N3      | B38-03RT            | HRST3/8-N03  | 10mm    | 1/8" Male BSPT (R) | PST10-01       |                     |            |
|         | 1/2" Male NPT | PST3/8-N4      |                     |              |         | 1/4" Male BSPT (R) | PST10-02       | B10-02RT-PT         | HRST10R02  |
| 1/2"    | 1/4" Male NPT | PST1/2-N2      |                     |              |         | 3/8" Male BSPT (R) | PsT10-03       | B10-03RT-PT         | HRST10R03  |
|         | 3/8" Male NPT | PST1/2-N3      | B12-03RT            | HRST1/2-N03  |         | 1/2" Male BSPT (R) | PsT10-04       |                     | HRST10R04  |
|         | 1/2" Male NPT | PST1/2-N4      | B12-04RT            | HRST1/2-N04  | 12mm    | 1/8" Male BSPT (R) | PST12-01       |                     |            |
|         |               |                |                     |              |         | 1/4" Male BSPT (R) | PST12-02       |                     |            |
|         |               |                |                     |              |         | 3/8" Male BSPT (R) | PST12-03       | B12-03RT-PT         | HRST12R03  |
|         |               |                |                     |              |         | 1/2" Male BSPT (R) | PST12-04       | B12-04RT-PT         | HRST12R04  |

# Push-to-Connect Fittings

## Swivel Branch Tees

Swivel Male Branch Tees provide two opposing push-to-connect ports with a single male threaded fitting. The male fitting swivels, and provides a hex for installation.



| Tube OD | Thread        | Resin (Male) | Resin (Female) | Nickel-Plated Brass | Stainless Steel | Fluidfit     |
|---------|---------------|--------------|----------------|---------------------|-----------------|--------------|
| 5/32"   | 1/8" NPT      | PT5/32-N1    | PTF5/32-N1     | B532-01MT           | SS532-01MT      | HRPT5/32-N01 |
|         | 1/4" NPT      | PT5/32-N2    | PTF5/32-N2     | B532-02MT           | SS532-02MT      | HRPT5/32-N02 |
| 1/4"    | 1/8" NPT      | PT1/4-N1     | PTF1/4-N1      | B14-01MT            | SS14-01MT       | HRPT1/4-N01  |
|         | 1/4" NPT      | PT1/4-N2     | PTF1/4-N2      | B14-02MT            | SS14-02MT       | HRPT1/4-N02  |
|         | 3/8" NPT      | PT1/4-N3     | PTF1/4-N3      |                     |                 |              |
| 5/16"   | 1/8" NPT      | PT5/16-N1    | PTF5/16-N1     | B516-01MT           | SS516-01ML      | HRPT5/16-N01 |
|         | 1/4" NPT      | PT5/16-N2    | PTF5/16-N2     | B516-02MT           | SS516-02ML      | HRPT5/16-N02 |
|         | 3/8" NPT      | PT5/16-N3    | PTF5/16-N3     |                     |                 | HRPT5/16-N03 |
|         | 1/2" NPT      | PT5/16-N4    |                |                     |                 |              |
| 3/8"    | 1/8" NPT      | PT3/8-N1     |                |                     | SS38-01MT       |              |
|         | 1/4" NPT      | PT3/8-N2     | PTF3/8-N2      | B38-02MT            | SS38-02MT       | HRPT3/8-N02  |
|         | 3/8" NPT      | PT3/8-N3     | PTF3/8-N3      | B38-03MT            | SS38-03MT       | HRPT3/8-N03  |
|         | 1/2" NPT      | PT3/8-N4     | PTF3/8-N4      |                     | SS38-04MT       |              |
| 1/2"    | 1/4" NPT      | PT1/2-N2     |                | B12-02MT            | SS12-02MT       |              |
|         | 3/8" NPT      | PT1/2-N3     | PTF1/2-N3      | B12-03MT            | SS12-03MT       | HRPT1/2-N03  |
|         | 1/2" NPT      | PT1/2-N4     | PTF1/2-N4      |                     | SS12-04MT       | HRPT1/2-N04  |
| 4mm     | 1/8" BSPT (R) | PT04-01      | PTF04-01       | B04-01MT-PT         | SS04-01MT-PT    | HRPT04-R01   |
|         | 1/4" BSPT (R) | PT04-02      | PTF04-02       | B04-02MT-PT         | SS04-02MT-PT    | HRPT04-R02   |
|         | 3/8" BSPT (R) | PT04-03      |                |                     |                 |              |
| 6mm     | 1/8" BSPT (R) | PT06-01      | PTF06-01       | B06-01MT-PT         | SS06-01MT-PT    | HRPT06R01    |
|         | 1/4" BSPT (R) | PT06-02      | PTF06-02       | B06-02MT-PT         | SS06-02MT-PT    | HRPT06R02    |
|         | 3/8" BSPT (R) | PT06-03      | PTF06-03       |                     |                 |              |
|         | 1/2" BSPT (R) | PT06-04      |                |                     |                 |              |
| 8mm     | 1/8" BSPT (R) | PT08-01      | PTF08-01       | B08-01MT-PT         | SS08-01MT-PT    | HRPT08R01    |
|         | 1/4" BSPT (R) | PT08-02      | PTF08-02       | B08-02MT-PT         | SS08-02MT-PT    | HRPT08R02    |
|         | 3/8" BSPT (R) | PT08-03      | PTF08-03       | B08-03MT-PT         | SS08-03MT-PT    | HRPT08R03    |
|         | 1/2" BSPT (R) | PT08-04      | PTF08-04       |                     | SS08-04MT-PT    |              |
| 10mm    | 1/8" BSPT (R) | PT10-01      | PTF10-01       |                     |                 |              |
|         | 1/4" BSPT (R) | PT10-02      | PTF10-02       | B10-02MT-PT         | SS10-02MT-PT    | HRPT10R02    |
|         | 3/8" BSPT (R) | PT10-03      | PTF10-03       | B10-03MT-PT         | SS10-03MT-PT    | HRPT10R03    |
|         | 1/2" BSPT (R) | PT10-04      | PTF10-04       |                     | SS10-04MT-PT    | HRPT10R04    |
| 12mm    | 1/8" BSPT (R) | PT12-01      |                |                     |                 |              |
|         | 1/4" BSPT (R) | PT12-02      | PTF12-02       |                     | SS12-02MT-PT    |              |
|         | 3/8" BSPT (R) | PT12-03      | PTF12-03       | B12-03MT-PT         | SS12-03MT-PT    | HRPT12R03    |
|         | 1/2" BSPT (R) | PT12-04      | PTF12-04       | B12-04MT-PT         | SS12-04MT-PT    | HRPT12R04    |

# Push-to-Connect Fittings

## Unions & Union Straight Reducers

Straight Unions feature two opposing push-to-connect ports, allowing two sections of tubing to be joined.



| Tube 1 OD | Tube 2 OD | Resin (Female) | Nickel-Plated Brass | Stainless Steel | Fluidfit     |
|-----------|-----------|----------------|---------------------|-----------------|--------------|
| 5/32"     | 5/32"     | PUC5/32        | B532(4MM)           | SS5/32(4MM)     | HUC5/32-5/32 |
| 1/4"      | 5/32"     | PG1/4-5/32     |                     | SS14-532UR      |              |
|           | 1/4"      | PUC1/4         | B14U                | SS14U           | HUC1/4-1/4   |
| 5/16"     | 5/32"     | PG5/16-5/32    |                     |                 | HUC5/16-5/32 |
|           | 1/4"      | PG5/16-1/4     |                     | SS516-14UR      | HUC5/16-1/4  |
|           | 5/16"     | PUC5/16        | B516(8MM)           | SS516U(8MM)     | HUC5/16-5/16 |
| 3/8"      | 1/4"      | PG3/8-1/4      |                     | SS38-14UR       | HUC3/8-1/4   |
|           | 5/16"     | PG3/8-5/16     |                     | SS38-516UR      | HUC3/8-5/16  |
|           | 3/8"      | PUC3/8         | B38U                | SS38U           | HUC3/8-3/8   |
| 1/2"      | 3/8"      | PG1/2-3/8      |                     | SS12-38UR       | HUC1/2-3/8   |
|           | 1/2"      | PUC1/2         | B12U                | SS12U           | HUC1/2-1/2   |
| 4mm       | 4mm       | PUC04          | B532(4MM)           | SS532U(4MM)     | HUC0404      |
| 6mm       | 4mm       | PG0604         | B06-04U             | SS06-04UR       | HUC0604      |
|           | 6mm       | PUC06          | B06U                | SS06U           | HUC0606      |
| 8mm       | 4mm       | PG0804         |                     |                 | HUC0804      |
|           | 6mm       | PG0806         | B08-06U             | SS08-06UR       | HUC0806      |
|           | 8mm       | PUC08          | B516(8MM)           | SS516U(8MM)     | HUC0808      |
| 10mm      | 6mm       | PG1006         |                     | SS10-06UR       | HUC1006      |
|           | 8mm       | PG1008         | B10-08U             | SS10-08UR       | HUC1008      |
|           | 10mm      | PUC10          | B10U                | SS10U           | HUC1010      |
| 12mm      | 8mm       | PG1208         |                     |                 | HUC1208      |
|           | 10mm      | PG1210         |                     | SS12-10UR       | HUC1210      |
|           | 12mm      | PUC12          | B12MU               | SS12MU          | HUC1212      |

# Push-to-Connect Fittings

## Union Elbows & Union Elbow Reducers

Union Elbows feature two push-to-connect ports arranged 90° apart, allowing two sections of tubing to be joined.



| Tube 1 OD | Tube 2 OD | Resin (Female) | Nickel-Plated Brass | Stainless Steel | Fluidfit     |
|-----------|-----------|----------------|---------------------|-----------------|--------------|
| 5/32"     | 5/32"     | PUL5/32        | B532UL(4MM)         | SS532UL(4MM)    | HUL5/32-5/32 |
| 1/4"      | 1/4"      | PUL1/4         | B14UL               | SS14UL          | HUL1/4-1/4   |
| 5/16"     | 5/32"     |                |                     |                 | HUL5/16-5/32 |
|           | 1/4"      |                |                     |                 | HUL5/16-1/4  |
|           | 5/16"     | PUL5/16        | B516UL(8MM)         | SS5/16UL(8MM)   | HUL5/16-5/16 |
| 3/8"      | 1/4"      |                |                     |                 | HUL3/8-1/4   |
|           | 5/16"     |                |                     |                 | HUL3/8-5/16  |
|           | 3/8"      | PUL3/8         | B38UL               | SS38UL          | HUL3/8-3/8   |
| 1/2"      | 3/8"      |                |                     |                 | HUL1/2-3/8   |
|           | 1/2"      | PUL1/2         | B12UL               | SS12UL          | HUL1/2-1/2   |
| 4mm       | 4mm       | PUL04          | B532UL(4MM)         | SS532UL(4MM)    | HUL0404      |
| 6mm       | 6mm       | PUL06          | B06UL               | SS06UL          | HUL0606      |
| 8mm       | 4mm       |                |                     |                 | HUL0804      |
|           | 6mm       |                |                     |                 | HUL0806      |
|           | 8mm       | PUL08          | B516UL(8MM)         | SS5/16UL(8MM)   | HUL0808      |
| 10mm      | 6mm       |                |                     |                 | HUL1006      |
|           | 8mm       |                |                     |                 | HUL1008      |
|           | 10mm      | PUL10          | B10UL               | SS10UL          | HUL1010      |
| 12mm      | 6mm       |                |                     |                 | HUL1206      |
|           | 8mm       |                |                     |                 | HUL1208      |
|           | 12mm      | PUL12          | B12MUL              | SS12MUL         | HUL1212      |

# Push-to-Connect Fittings

## Union Tees & Union Tee Reducers

Union Tees feature two opposing push-to-connect ports with a third arranged 90° apart.



| Tube 1 OD | Tube 2 OD | Resin       | Nickel-Plated Brass | Stainless Steel | Fluidfit       |
|-----------|-----------|-------------|---------------------|-----------------|----------------|
| 5/32"     | 5/32"     | PUT5/32     | B532UT(4MM)         | SS532UT(4MM)    | HUT5/32-5/32   |
|           | 1/4"      | PGT5/32-1/4 |                     |                 |                |
| 1/4"      | 5/32"     | PGT1/4-5/32 |                     |                 |                |
|           | 5/16"     | PGT1/4-5/16 |                     |                 |                |
|           | 1/4"      | PUT1/4      | B14UT               | SS14UT          | HUT1/4-1/4     |
| 5/16"     | 1/4"      | PGT5/16-1/4 |                     |                 |                |
|           | 5/16"     | PUT5/16     | B516UT(8MM)         | SS516UT(8MM)    | HUT5/16-5/16   |
|           | 3/8"      | PGT5/16-3/8 |                     |                 |                |
| 3/8"      | 1/4"      | PGT3/8-1/4  |                     |                 | HUT3/8-1/4-3/8 |
|           | 5/16"     | PGT3/8-5/16 |                     |                 |                |
|           | 3/8"      | PUT3/8      | B38UT               | SS38UT          | HUT3/8-3/8     |
|           | 1/2"      | PGT3/8-1/2  |                     |                 |                |
| 1/2"      | 3/8"      | PGT1/2-3/8  |                     |                 |                |
|           | 1/2"      | PUT1/2      | B12UT               | SS12UT          | HUT1/2-1/2     |
| 4mm       | 4mm       | PUT04       | B532UT(4MM)         | SS532UT(4MM)    | HUT0404        |
|           | 6mm       | PGT0406     |                     |                 |                |
| 6mm       | 4mm       | PGT0604     |                     |                 |                |
|           | 6mm       | PUT06       | B06UT               | SS06UT          | HUT0606        |
| 8mm       | 4mm       | PGT0804     |                     |                 |                |
|           | 6mm       | PGT0806     |                     |                 |                |
|           | 8mm       | PUT08       | B516UT(8MM)         | SS516UT(8MM)    | HUT0808        |
|           | 10mm      | PGT0810     |                     |                 |                |
| 10mm      | 6mm       | PGT1006     |                     |                 | HUT100610      |
|           | 8mm       | PGT1008     |                     |                 |                |
|           | 10mm      | PUT10       | B10UT               | SS10UT          | HUT1010        |
|           | 12mm      | PGT1012     |                     |                 |                |
| 12mm      | 8mm       | PGT1208     |                     |                 |                |
|           | 10mm      | PGT1210     |                     |                 | HUT121012      |
|           | 12mm      | PUT12       | B12MUT              | SS12MUT         | HUT1212        |



# Push-to-Connect Fittings

## Union Y & Union Y Reducers

Union “Y” fittings feature a single push-to-connect port opposed to two parallel push-to-connect ports.



| Tube 1 OD | Tube 2 OD | Resin       | Nickel-Plated Brass | Fluidfit     |
|-----------|-----------|-------------|---------------------|--------------|
| 5/32"     | 5/32"     | PY5/32      | B532UY(4MM)         | HUY5/32-5/32 |
| 1/4"      | 5/32"     | PY1/4-5/32  |                     |              |
|           | 1/4"      | PY1/4       | B14UY               | HUY1/4-1/4   |
| 5/16"     | 5/32"     | PY5/16-5/32 |                     |              |
|           | 1/4"      | PY5/16-1/4  |                     |              |
|           | 5/16"     | PY5/16      | B516UY(8MM)         | HUY5/16-5/16 |
| 3/8"      | 1/4"      | PY3/8-1/4   |                     |              |
|           | 5/16"     | PY3/8-5/16  |                     |              |
|           | 3/8"      | PY3/8       |                     | HUY3/8-3/8   |
| 1/2"      | 5/16"     | PY1/2-5/16  |                     |              |
|           | 3/8"      | PY1/2-3/8   |                     |              |
|           | 1/2"      | PY1/2       |                     | HUY1/2-1/2   |

| Tube 1 OD | Tube 2 OD | Resin  | Nickel-Plated Brass | Fluidfit |
|-----------|-----------|--------|---------------------|----------|
| 4mm       | 4mm       | PY04   | B532UY(4MM)         | HUY0404  |
| 6mm       | 4mm       | PW0604 | B06-04UY            |          |
|           | 6mm       | PY06   | B06UY               | HUY0606  |
| 8mm       | 4mm       | PW0804 |                     |          |
|           | 6mm       | PW0806 | B08-06UY            |          |
|           | 8mm       | PY08   | B516UY(8MM)         | HUY0808  |
| 10mm      | 6mm       | PW1006 |                     |          |
|           | 8mm       | PW1008 | B10-08UY            | HUY1008  |
|           | 10mm      | PY10   | B10UY               | HUY1010  |
| 12mm      | 8mm       | PW1208 |                     |          |
|           | 10mm      | PW1210 |                     |          |
|           | 12mm      | PY12   |                     | HUY1212  |

## Plug-In Reducers

Plug-In Tube Reducers feature a plug-in stem opposing a push-to-connect port of a different size.



| Stem OD | Tube OD | Resin        | Nickel-Plated Brass | Fluidfit    |
|---------|---------|--------------|---------------------|-------------|
| 5/32"   | 1/8"    | PGJ5/32-1/8  |                     |             |
|         | 1/4"    | PGJ5/32-1/4  |                     |             |
| 1/4"    | 5/32"   | PGJ1/4-5/32  | B532-14R            | HGJ1/4-5/32 |
| 5/16"   | 5/32"   | PGJ5/16-5/32 |                     |             |
|         | 1/4"    | PGJ5/16-1/4  | B14-516R            | HGJ5/16-1/4 |
| 3/8"    | 1/4"    | PGJ3/8-1/4   | B14-38R             | HGJ3/8-1/4  |
|         | 5/16"   | PGJ3/8-5/16  | B516-38R            | HGJ3/8-5/16 |
|         | 1/2"    |              | B38-12R             |             |
| 1/2"    | 1/4"    | PGJ1/2-1/4   | B14-12R             |             |
|         | 5/16"   | PGJ1/2-5/16  |                     |             |
|         | 3/8"    | PGJ1/2-3/8   |                     | HGJ1/2-3/8  |
| 4mm     | 6mm     |              | B04-06R             |             |
|         | 8mm     |              | B04-08R             |             |
|         | 10mm    |              | B04-10R             |             |
|         | 12mm    |              | B04-12R             |             |

| Stem OD | Tube OD | Resin    | Nickel-Plated Brass | Fluidfit |
|---------|---------|----------|---------------------|----------|
| 6mm     | 4mm     | PGJ06-04 | B06-04R             | HGJ0604  |
|         | 6mm     |          | B06-06R             |          |
|         | 8mm     |          | B06-08R             |          |
|         | 10mm    |          | B06-10R             |          |
| 8mm     | 4mm     | PGJ08-04 |                     | HGJ0804  |
|         | 6mm     | PGJ08-06 | B08-06R             | HGJ0806  |
|         | 8mm     |          | B08-08R             |          |
|         | 10mm    |          | B08-10R             | HGJ0810  |
|         | 12mm    |          | B08-12R             |          |
| 10mm    | 6mm     | PGJ10-06 |                     | HGJ1006  |
|         | 8mm     | PGJ10-08 |                     | HGJ1008  |
|         | 12mm    |          | B10-12R             |          |
| 12mm    | 6mm     | PGJ12-06 |                     |          |
|         | 8mm     | PGJ12-08 |                     | HGJ1208  |
|         | 10mm    | PGJ12-10 |                     | HGJ1210  |

# Push-to-Connect Fittings

## Plug-In Stem Adapters

Plug-In stem adapters feature an insert stem opposed to a male thread.



| Stem OD | Thread        | Nickel-Plated Brass | Fluidfit    |
|---------|---------------|---------------------|-------------|
| 5/32"   | 1/8" Male NPT | B532-01SA           | HCJ5/32-N01 |
|         | 1/4" Male NPT | B532-02SA           | HCJ5/32-N02 |
| 1/4"    | 1/8" Male NPT | B14-01SA            | HCJ1/4-N01  |
|         | 1/4" Male NPT | B14-02SA            | HCJ1/4-N02  |
| 5/16"   | 1/8" Male NPT | B516-01SA           | HCJ5/16-N01 |
|         | 1/4" Male NPT | B516-02SA           | HCJ5/16-N02 |
|         | 3/8" Male NPT |                     | HCJ5/16-N03 |
| 3/8"    | 1/8" Male NPT | B38-01SA            | HCJ3/8-N01  |
|         | 1/4" Male NPT | B38-02SA            | HCJ3/8-N02  |
| 1/2"    | 1/8" Male NPT | B12-01SA            | HCJ1/2-N01  |
|         | 1/4" Male NPT | B12-02SA            | HCJ1/2-N02  |

| Stem OD | Thread             | Nickel-Plated Brass | Fluidfit |
|---------|--------------------|---------------------|----------|
| 4mm     | 1/8" Male BSPT (R) | B04-01SA-PT         | HCJ04R01 |
|         | 1/4" Male BSPT (R) | B04-02SA-PT         | HCJ04R02 |
| 6mm     | 1/8" Male BSPT (R) | B06-01SA-PT         | HCJ06R01 |
|         | 1/4" Male BSPT (R) | B06-02SA-PT         | HCJ06R02 |
| 8mm     | 1/8" Male BSPT (R) | B08-01SA-PT         | HCJ08R01 |
|         | 1/4" Male BSPT (R) | B08-02SA-PT         | HCJ08R02 |
| 10mm    | 1/4" Male BSPT (R) | B10-02SA-PT         | HCJ10R02 |
|         | 3/8" Male BSPT (R) | B10-03SA-PT         | HCJ10R03 |
| 12mm    | 3/8" Male BSPT (R) | B12-03SA-PT         | HCJ12R03 |
|         | 1/2" Male BSPT (R) | B12-04SA-PT         | HCJ12R04 |

## Plug-In Elbows

Plug-in Elbows offer a push-to-connect port and an insert stem at a 90° angle.



| Stem OD | Thread | Resin       | Fluidfit     |
|---------|--------|-------------|--------------|
| 5/32"   | 5/32"  | PLJ5/32     | HLJ5/32-5/23 |
| 1/4"    | 5/32"  | PLJ1/4-5/32 |              |
|         | 1/4"   | PLJ1/4      | HLJ1/4-1/4   |
| 5/16"   | 1/4"   | PLJ5/16-1/4 |              |
|         | 5/16"  | PLJ5/16     | HLJ5/16-5/16 |
| 3/8"    | 1/4"   | PLJ3/8-1/4  | HLJ3/8-1/4   |
|         | 5/16"  | PLJ3/8-5/16 | HLJ3/8-5/16  |
|         | 3/8"   | PLJ3/8      | HLJ3/8-3/8   |
| 1/2"    | 1/4"   | PLJ1/2-1/4  |              |
|         | 1/2"   | PLJ1/2      | HLJ1/2-1/2   |

| Stem OD | Thread | Resin   | Fluidfit |
|---------|--------|---------|----------|
| 4mm     | 4mm    | PLJ04   | HLJ0404  |
| 6mm     | 4mm    | PLJ0604 |          |
|         | 6mm    | PLJ06   | HLJ0606  |
| 8mm     | 6mm    | PLJ0806 |          |
|         | 8mm    | PLJ08   | HLJ0808  |
| 10mm    | 6mm    |         | HLJ1006  |
|         | 8mm    | PLJ1008 | HLJ1008  |
|         | 10mm   | PLJ10   | HLJ1010  |
| 12mm    | 10mm   | PLJ1210 |          |
|         | 12mm   | PLJ12   | HLJ1210  |

# Push-to-Connect Fittings

## Swivel Banjo Fittings

Banjo Fittings are arranged with a push-to-connect port and a male thread in a 90° configuration allowing for installation in confined spaces. All banjo fittings swivel 360°.



| Tube OD | Thread   | Resin (Male) | Resin (Male x Female) | Nickel-Plated Brass |
|---------|----------|--------------|-----------------------|---------------------|
| 5/32"   | 1/8" NPT | PH5/32-N1    | PHF5/32-N1            | B532-01MBJ          |
|         | 1/4" NPT | PH5/32-N2    |                       |                     |
| 1/4"    | 1/8" NPT | PH1/4-N1     | PHF1/4-N1             | B14-01MBJ           |
|         | 1/4" NPT | PH1/4-N2     | PHF1/4-N2             | B14-02MBJ           |
|         | 3/8" NPT | PH1/4-N3     | PHF1/4-N3             |                     |
| 5/16"   | 1/8" NPT | PH5/16-N1    | PHF5/16-N1            | B516-01MBJ          |
|         | 1/4" NPT | PH5/16-N2    | PHF5/16-N2            | B516-02MBJ          |
|         | 3/8" NPT | PH5/16-N3    | PHF5/16-N3            | B516-03MBJ          |
|         | 1/2" NPT | PH5/16-N4    | PHF5/16-N4            |                     |
| 3/8"    | 1/4" NPT | PH3/8-N2     | PHF3/8-N2             | B38-02MBJ           |
|         | 3/8" NPT | PH3/8-N3     | PHF3/8-N3             | B38-03MBJ           |
|         | 1/2" NPT | PH3/8-N4     | PHF3/8-N4             |                     |
| 1/2"    | 1/4" NPT | PH1/2-N2     | PHF1/2-N2             |                     |
|         | 3/8" NPT | PH1/2-N3     | PHF1/2-N3             |                     |
|         | 1/2" NPT | PH1/2-N4     | PHF1/2-N4             |                     |

| Tube OD | Thread        | Resin (Male) | Resin (Male x Female) | Nickel-Plated Brass |
|---------|---------------|--------------|-----------------------|---------------------|
| 4mm     | 1/8" BSPT (R) | PH04-01      | PHF04-01              | B04-01MBJ-PT        |
|         | 1/4" BSPT (R) | PH04-02      | PHF04-02              | B04-02MBJ-PT        |
| 6mm     | 1/8" BSPT (R) | PH06-01      | PHF06-01              | B06-01MBJ-PT        |
|         | 1/4" BSPT (R) | PH06-02      | PHF06-02              | B06-02MBJ-PT        |
|         | 3/8" BSPT (R) | PH06-03      | PHF06-03              |                     |
| 8mm     | 1/8" BSPT (R) | PH08-01      | PHF08-01              | B08-01MBJ-PT        |
|         | 1/4" BSPT (R) | PH08-02      | PHF08-02              | B08-02MBJ-PT        |
|         | 3/8" BSPT (R) | PH08-03      | PHF08-03              |                     |
|         | 1/2" BSPT (R) | PH08-04      | PHF08-04              |                     |
| 10mm    | 1/8" BSPT (R) | PH10-01      | PHF10-01              |                     |
|         | 1/4" BSPT (R) | PH10-02      | PHF10-02              | B10-02MBJ-PT        |
|         | 3/8" BSPT (R) | PH10-03      | PHF10-03              | B10-03MBJ-PT        |
|         | 1/2" BSPT (R) | PH10-04      | PHF10-04              |                     |
| 12mm    | 1/4" BSPT (R) | PH12-02      | PHF12-02              |                     |
|         | 3/8" BSPT (R) | PH12-03      | PHF12-03              | B12-03MBJ-PT        |
|         | 1/2" BSPT (R) | PH12-04      |                       | B12-04MBJ-PT        |

## Medium Pressure Nickel-Plated Push-to-Connect Fittings

| Specifications           |                                         |
|--------------------------|-----------------------------------------|
| Maximum Working Pressure | 1160 psi (80 Bar) – Grease Applications |
| Temperature Range        | -4°F to 176°F (-20°C to 80°C)           |
| Construction             | Nickel-Plated Brass                     |
| Seal Material            | NBR (Rubber)                            |

Technifit™ Medium Pressure PTC Fittings are intended for higher-pressure applications with suitable tubing. The fittings are nickel-plated brass and enjoy all of the benefits of ATP's nickel-plated series such as corrosion resistance.



### Warning

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

| Tube | Tube | Thread        | Male Straight | Male Rigid Elbow | Male Swivel Elbow | Union  |
|------|------|---------------|---------------|------------------|-------------------|--------|
| 1/4" |      | 1/8" Male NPT | BMP14-01M     | BMP14-01RML      | BMP14-01ML        |        |
|      |      | 1/4" Male UNF | BMP14-02M     | BMP14-02RML      | BMP14-02ML        |        |
|      | 1/4" |               |               |                  |                   | BMP14U |

# Push-to-Connect Fittings

## Flow Control Fittings

These items allow for the adjustment of flow passing through, enabling installers to manage the speed of pneumatic equipment. Swivel Flow Control Elbows are equipped with a single push-to-connect port arranged 90° apart from a male thread with a slot or knurled wheel for adjustment.



| Tube OD | Thread             | Resin<br>(Thumb Adjust) | Resin<br>(Slotted Adjust) | Resin<br>(Recessed Slotted Adjust) | Nickel-Plated Brass<br>(Slotted Adjust) | Nickel-Plated Brass<br>(Thumb Adjust) |
|---------|--------------------|-------------------------|---------------------------|------------------------------------|-----------------------------------------|---------------------------------------|
| 5/32"   | 1/8" Male NPT      | NSC5/32-N1              | NSC5/32-N1(D)             | NSC5/32-N1(DC)                     | BSC532-01DC-O                           | BSC532-01H-O                          |
|         | 1/4" Male NPT      | NSC5/32-N2              | NSC5/32-N2(D)             | NSC5/32-N2(DC)                     |                                         |                                       |
| 1/4"    | 1/8" Male NPT      | NSC1/4-N1               | NSC1/4-N1(D)              | NSC1/4-N1(DC)                      | BSC14-01DC-O                            | BSC14-01H-O                           |
|         | 1/4" Male NPT      | NSC1/4-N2               | NSC1/4-N2(D)              | NSC1/4-N2(DC)                      | BSC14-02DC-O                            | BSC14-02H-O                           |
|         | 3/8" Male NPT      | NSC1/4-N3               | NSC1/4-N3(D)              | NSC1/4-N3(DC)                      |                                         |                                       |
| 5/16"   | 1/8" Male NPT      | NSC5/16-N1              | NSC5/16-N1(D)             | NSC5/16-N1(DC)                     | BSC516-01DC-O                           | BSC516-01H-O                          |
|         | 1/4" Male NPT      | NSC5/16-N2              | NSC5/16-N2(D)             | NSC5/16-N2(DC)                     | BSC516-02DC-O                           | BSC516-02H-O                          |
|         | 3/8" Male NPT      | NSC5/16-N3              | NSC5/16-N3(D)             | NSC5/16-N3(DC)                     |                                         |                                       |
|         | 1/2" Male NPT      | NSC5/16-N4              | NSC5/16-N4(D)             | NSC5/16-N4(DC)                     |                                         |                                       |
| 3/8"    | 1/4" Male NPT      | NSC3/8-N2               | NSC3/8-N2(D)              | NSC3/8-N2(DC)                      | BSC38-02DC-O                            | BSC38-02H-O                           |
|         | 3/8" Male NPT      | NSC3/8-N3               | NSC3/8-N3(D)              | NSC3/8-N3(DC)                      |                                         |                                       |
|         | 1/2" Male NPT      | NSC3/8-N4               | NSC3/8-N4(D)              | NSC3/8-N4(DC)                      |                                         |                                       |
| 1/2"    | 3/8" Male NPT      | NSC1/2-N3               | NSC1/2-N3(D)              | NSC1/2-N3(DC)                      |                                         |                                       |
|         | 1/2" Male NPT      | NSC1/2-N3               | NSC1/2-N3(D)              | NSC1/2-N3(DC)                      |                                         |                                       |
| 4mm     | 1/8" Male BSPT (R) | NCS04-01                | NCS04-01(D)               | NCS04-01(DC)                       |                                         |                                       |
|         | 1/8" Male BSPP (G) |                         |                           |                                    | BSC04-01DC-O-P                          | BSC04-01H-O-PP                        |
|         | 1/4" Male BSPT (R) | NCS04-02                | NCS04-02(D)               | NCS04-02(DC)                       |                                         |                                       |
| 6mm     | 1/8" Male BSPT (R) | NCS06-01                | NCS06-01(D)               | NCS06-01(DC)                       |                                         |                                       |
|         | 1/8" Male BSPP (G) |                         |                           |                                    | BSC06-01DC-O-P                          | BSC06-01H-O-PP                        |
|         | 1/4" Male BSPT (R) | NCS06-02                | NCS06-02(D)               | NCS06-02(DC)                       |                                         |                                       |
|         | 1/4" Male BSPP (G) |                         |                           |                                    | BSC06-02DC-O-P                          | BSC06-02H-O-PP                        |
|         | 3/8" Male BSPT (R) | NCS06-03                | NCS06-03(D)               | NCS06-03(DC)                       |                                         |                                       |
|         | 1/2" Male BSPT (R) | NCS06-04                | NCS06-04(D)               | NCS06-04(DC)                       |                                         |                                       |
| 8mm     | 1/8" Male BSPT (R) | NCS08-01                | NCS08-01(D)               | NCS08-01(DC)                       |                                         |                                       |
|         | 1/8" Male BSPP (G) |                         |                           |                                    | BSC08-01DC-O-P                          | BSC08-01H-O-PP                        |
|         | 1/4" Male BSPT (R) | NCS08-02                | NCS08-02(D)               | NCS08-02(DC)                       |                                         |                                       |
|         | 1/4" Male BSPP (G) |                         |                           |                                    | BSC08-02DC-O-P                          | BSC08-02H-O-PP                        |
|         | 3/8" Male BSPT (R) | NCS08-03                | NCS08-03(D)               | NCS08-03(DC)                       |                                         |                                       |
|         | 3/8" Male BSPP (G) |                         |                           |                                    |                                         | BSC08-03H-O-PP                        |
|         | 1/2" Male BSPT (R) | NCS08-04                | NCS08-04(D)               | NCS08-04(DC)                       |                                         |                                       |
| 10mm    | 1/8" Male BSPT (R) | NCS10-01                | NCS10-01(D)               | NCS10-01(DC)                       |                                         |                                       |
|         | 1/4" Male BSPT (R) | NCS10-02                | NCS10-02(D)               | NCS10-02(DC)                       |                                         |                                       |
|         | 1/4" Male BSPP (G) |                         |                           |                                    | BSC10-02DC-O-P                          | BSC10-02H-O-PP                        |
|         | 3/8" Male BSPT (R) | NCS10-03                | NCS10-03(D)               | NCS10-03(DC)                       |                                         |                                       |
|         | 3/8" Male BSPP (G) |                         |                           |                                    | BSC10-03DC-O-P                          | BSC10-03H-O-PP                        |
|         | 1/2" Male BSPT (R) | NCS10-04                | NCS10-04(D)               | NCS10-04(DC)                       |                                         |                                       |
| 12mm    | 1/4" Male BSPT (R) | NCS12-02                | NCS12-02(D)               | NCS12-02(DC)                       |                                         |                                       |
|         | 3/8" Male BSPT (R) | NCS12-03                | NCS12-03(D)               | NCS12-03(DC)                       |                                         |                                       |
|         | 1/2" Male BSPT (R) | NCS12-04                | NCS12-04(D)               | NCS12-04(DC)                       |                                         |                                       |

# Push-to-Connect Fittings

## Other Fittings Available on our Website or Full Product Catalog

**Extended Swivel Male Elbow – PLLP, PLL**



**Union “Y” – HBU**



**Swivel Male “Y” – PWT, HRWT**



**Union Cross – PZA, HZA**



**Plug – PP, HPP**



**Plug-In “Y” – PYJ**



**Cap – PPF, HPF**



**Swivel Male Branch “A” – PA**



**Check Valve Straight – CVPC, HCVU**



**Branch Style Flow Control – HSTU**

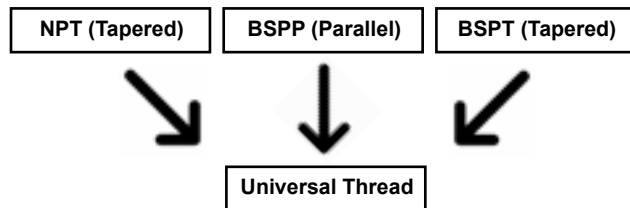


# Push-to-Connect Fittings

## Universal Thread Fittings

Universal threads provide an elegant method of converting equipment from metric tubing & threads into readily available fractionally-sized tubing.

By working with BSPT (R), BSPP (G) and NPT threads, these fittings also reduce inventory in MRO and supply environments.



**Warning**

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to: [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)



| Tube OD      | Thread              | Male Hex Straight | Male Round Straight | Male Swivel Elbow | Male Swivel Tee |
|--------------|---------------------|-------------------|---------------------|-------------------|-----------------|
| 5/32" or 4mm | 1/8" Male Universal | B04M/532-U01M     | BR04M/532-U01M      | B04M/532-U01ML    | B04M/532-U01MT  |
|              | 1/4" Male Universal | B04M/532-U02M     | BR04M/532-U02M      | B04M/532-U02ML    | B04M/532-U02MT  |
| 1/4"         | 1/8" Male Universal | B14-U01M          | BR14-U01M           | B14-U01ML         | B14-U01MT       |
|              | 1/4" Male Universal | B14-U02M          | BR14-U02M           | B14-U02ML         | B14-U02MT       |
|              | 3/8" Male Universal | B14-U03M          |                     | B14-U03ML         | B14-U03MT       |
| 6mm          | 1/8" Male Universal | B06-U01M          | BR06-U01M           | B06-U01ML         | B06-U01MT       |
|              | 1/4" Male Universal | B06-U02M          | BR06-U02M           | B06-U02ML         | B06-U02MT       |
| 5/16" or 8mm | 1/8" Male Universal | B08M/516-U01M     | BR08M/516-U01M      | B08M/516-U01ML    | B08M/516-U01MT  |
|              | 1/4" Male Universal | B08M/516-U02M     | BR08M/516-U02M      | B08M/516-U02ML    | B08M/516-U02MT  |
|              | 3/8" Male Universal | B08M/516-U03M     | BR08M/516-U03M      | B08M/516-U03ML    | B08M/516-U03MT  |
| 3/8"         | 1/8" Male Universal | B38-U01M          |                     | B38-U01ML         | B38-U01MT       |
|              | 1/4" Male Universal | B38-U02M          |                     | B38-U02ML         | B38-U02MT       |
|              | 3/8" Male Universal | B38-U03M          |                     | B38-U03ML         | B38-U03MT       |
|              | 1/2" Male Universal | B38-U04M          |                     | B38-U04ML         | B38-U04MT       |
| 10mm         | 1/4" Male Universal | B10-U02M          |                     | B10-U02ML         | B10-U02MT       |
|              | 3/8" Male Universal | B10-U03M          |                     | B10-U03ML         | B10-U03MT       |
|              | 1/2" Male Universal | B10-U04M          |                     |                   |                 |
| 12mm         | 1/4" Male Universal | B12M-U02M         |                     |                   |                 |
|              | 3/8" Male Universal | B12M-U03M         |                     | B12M-U03ML        | B12M-U03MT      |
|              | 1/2" Male Universal | B12M-U04M         |                     | B12M-U04ML        | B12M-U04MT      |
| 1/2"         | 1/4" Male Universal | B12-U02M          |                     | B12-U02ML         | B12-U02MT       |
|              | 3/8" Male Universal | B12-U03M          |                     | B12-U03ML         | B12-U03MT       |
|              | 1/2" Male Universal | B12-U04M          |                     | B12-U04ML         | B12-U04MT       |

# Spiral Recoil Hose

## Technithane™ Polyurethane Spiral Hose



**All Technithane™ product lines have been consolidated into a single offering, including Techniblue™ and Auto Spiral.**

Technithane™ Spirals are manufactured from tough polyurethane resin, providing a flexible & lightweight alternative to Nylon Spirals. Technithane™ Spirals' 98A construction provides excellent memory and retraction strength.

- Lightweight and Abrasion-Resistant
- Resists Kinking
- Reusable Nickel-Plated Fittings with Bend Restrictors
- Excellent Coil Memory
- Thread Sealant Supplied on all Fittings
- Widest Variety of Colors, Sizes, and Threads in ATP's Offering
- Available with Threads or Pneumatic QD Fittings
- Custom Assemblies Available – Contact ATP

**What's the difference between Techniblue™, Technithane™, and Auto Spiral?**

- All Lines Were Made from the Same Material with the Same Fittings
- Techniblue™ Spirals Were **Clear Blue** and Were Held in Stock
- Auto Spirals Were Sold in **Working Length** Rather than the Industry Standard of Total Length

| Specifications           |                                   |
|--------------------------|-----------------------------------|
| Material                 | Polyurethane (Ether-Based)        |
| Hardness                 | Shore 98A                         |
| Temperature Range        | -68°F to 140°F<br>(-55°C to 60°C) |
| Working Pressure at 68°F | 140 psi (9.6 Bar)                 |
| Vacuum Rating            | 28" HG                            |
| Safety Factor            | 3:1                               |
| Tariff Code              | 3917.33.0000                      |

| Fitting Compatibility                             |
|---------------------------------------------------|
| H-Style Compression Replacement Fitting (Page 56) |

### TT - 14 - 10 - BK - RS

| Model |              | ID x OD (Nominal) |               | Total Length |       | Color |             | Fittings |                         |
|-------|--------------|-------------------|---------------|--------------|-------|-------|-------------|----------|-------------------------|
| TT    | Technithane™ | 316               | 3/16" x 5/16" | 10           | 10 ft | BK    | Black       | RS       | Rigid & Swivel          |
|       |              | 14                | 1/4" x 3/8"   | 15           | 15 ft | C     | Clear       | RR       | Rigid & Rigid           |
|       |              | 2164              | 21/64" x 1/2" | 20           | 20 ft | CB    | Clear Blue  | SS       | Swivel & Swivel         |
|       |              | 38                | 3/8" x 9/16"  | 25           | 25 ft | G     | Green       | Q        | Premium Series (Auto)   |
|       |              | 1332              | 13/32" x 5/8" | 2.5          | 2.5m  | GY    | Gray        | E        | Economy Series (Manual) |
|       |              | 12                | 1/2" x 3/4"   | 5            | 5m    | LB    | Light Blue  | DF       | Safety-Slide™           |
|       |              | 8                 | 5mm x 8mm     | 7.5          | 7.5m  | LG    | Light Green |          |                         |
|       |              | 10                | 6.5mm x 10mm  | 10           | 10m   | NB    | Navy Blue   |          |                         |
|       |              | 12                | 8mm x 12mm    |              |       | OR    | Orange      |          |                         |
|       |              | 16                | 11mm x 16mm   |              |       | R     | Red         |          |                         |
|       |              |                   |               |              |       | W     | White       |          |                         |
|       |              |                   |               |              |       | Y     | Yellow      |          |                         |

| Material Availability by Color Code                                                                                                                                                                             |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|
| Model                                                                                                                                                                                                           | BK | C  | CB | CG | CR | CY | G  | GY | LB | LG | NB | OR | R | W  | Y  |
| TT-316                                                                                                                                                                                                          | •  | •  | X  | X  | LQ | X  | •  | X  | •  | X  | •  | X  | • | LQ | •  |
| TT-14                                                                                                                                                                                                           | •  | •  | •  | X  | X  | X  | •  | LQ | •  | LQ | •  | LQ | • | •  | •  |
| TT-2164                                                                                                                                                                                                         | •  | •  | •  | X  | X  | X  | LQ | LQ | •  | LQ | •  | X  | • | LQ | •  |
| TT-38                                                                                                                                                                                                           | X  | •  | •  | X  | X  | X  | X  | X  | X  | LQ | •  | X  | • | X  | LQ |
| TT-1332                                                                                                                                                                                                         | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X | X  | X  |
| TT-12                                                                                                                                                                                                           | X  | X  | •  | X  | X  | X  | LQ | X  | X  | X  | •  | X  | X | X  | X  |
| TT-8                                                                                                                                                                                                            | •  | •  | X  | X  | LQ | X  | •  | X  | •  | X  | •  | X  | • | LQ | •  |
| TT-10                                                                                                                                                                                                           | •  | •  | •  | X  | X  | X  | LQ | X  | •  | X  | •  | X  | • | X  | •  |
| TT-12                                                                                                                                                                                                           | •  | •  | •  | X  | X  | X  | LQ | X  | X  | X  | •  | X  | • | LQ | LQ |
| TT-16                                                                                                                                                                                                           | LQ | LQ | LQ | X  | X  | X  | LQ | X  | LQ | X  | LQ | X  | X | LQ | LQ |
| •: Available Material – Some Lead-Time for Spiraling    LQ: Limited Quantities of Material - Contact ATP<br>X: Not-Stocked (Minimum Runs Apply) - Contact ATP<br>Availability is Subject to Change, Contact ATP |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |



# Spiral Recoil Hose

## Technithane™ Fractional Sizes (NPT Threads)

| Model<br>(select color & fitting style)        | ID                 | OD                | Working<br>Length | Total<br>Length | Thread                        | Compressed<br>Length | Tool Tail<br>Length | Port Tail<br>Length | Total<br>Turns | Spiral<br>OD | Stocked<br>Assemblies |
|------------------------------------------------|--------------------|-------------------|-------------------|-----------------|-------------------------------|----------------------|---------------------|---------------------|----------------|--------------|-----------------------|
| TT-316-10-_-_-                                 | 0.187"<br>(3/16")  | 0.312"<br>(5/16") | 8'                | 10'             | 1/4" Male NPT                 | 31.125"              | 20"                 | 4"                  | 19             | 1.625"       |                       |
| TT-316-15-_-_-                                 |                    |                   | 12'               | 15'             |                               | 35.875"              |                     |                     | 31             |              |                       |
| TT-316-20-_-_-                                 |                    |                   | 16'               | 20'             |                               | 40.250"              |                     |                     | 42             |              |                       |
| TT-316-25-_-_-                                 |                    |                   | 20'               | 25'             |                               | 45.000"              |                     |                     | 54             |              |                       |
| TT-14-10-_-_-                                  | 0.250"<br>(1/4")   | 0.375"<br>(3/8")  | 8'                | 10'             | 1/4" Male NPT                 | 31.125"              | 20"                 | 4"                  | 14             | 2.002"       | CB                    |
| TT-14-15-_-_-                                  |                    |                   | 12'               | 15'             |                               | 35.625"              |                     |                     | 23             |              | CB                    |
| TT-14-20-_-_-<br>(Supersedes Auto-1001-_-_-)   |                    |                   | 16'               | 20'             |                               | 39.750"              |                     |                     | 39             |              | CB CB NB R Y          |
| TT-14-25-_-_-                                  |                    |                   | 20'               | 25'             |                               | 44.250"              |                     |                     | 40             |              | CB LB R Y             |
| TT-14-30-_-_-<br>(Formerly Auto-1002-_-_-)     |                    |                   | 24'               | 30'             |                               | 50.000"              |                     |                     | 69             |              | CB CB R Y             |
| TT-2164-10-_-_-                                | 0.328"<br>(21/64") | 0.500"<br>(1/2")  | 8'                | 10'             | 3/8" Male NPT                 | 31.000"              | 20"                 | 4"                  | 12             | 2.681"       |                       |
| TT-2164-15-_-_-                                |                    |                   | 12'               | 15'             |                               | 44.000"              |                     |                     | 19             |              |                       |
| TT-2164-20-_-_-<br>(Supersedes Auto-1004-_-_-) |                    |                   | 16'               | 20'             |                               | 31.000"              |                     |                     | 26             |              |                       |
| TT-2164-25-_-_-                                |                    |                   | 20'               | 25'             |                               | 45.000"              |                     |                     | 34             |              |                       |
| TT-2164-30-_-_-<br>(Formerly Auto-1005-_-_-)   |                    |                   | 24'               | 30'             |                               | 50.000"              |                     |                     | 52             |              |                       |
| TT-38-10-_-_-                                  | 0.375"<br>(3/8")   | 0.562"<br>(9/16") | 8'                | 10'             | 3/8" Male NPT                 | 31.000"              | 20"                 | 4"                  | 12             | 3.125"       | CB                    |
| TT-38-15-_-_-                                  |                    |                   | 12'               | 15'             |                               | 36.000"              |                     |                     | 19             |              | CB                    |
| TT-38-20-_-_-<br>(Supersedes Auto-1007-_-_-)   |                    |                   | 16'               | 20'             |                               | 40.000"              |                     |                     | 26             |              | Ⓢ                     |
| TT-38-25-_-_-                                  |                    |                   | 20'               | 25'             |                               | 45.000"              |                     |                     | 34             |              | CB LG NB R            |
| TT-38-30-_-_-<br>(Formerly Auto-1008-_-_-)     |                    |                   | 24'               | 30'             |                               | 47.000"              |                     |                     | 37             |              | CB Ⓢ NB               |
| TT-1332-10-_-_-                                | 0.406"<br>(13/32") | 0.625"<br>(5/8")  | 8'                | 10'             | 1/2" Male NPT                 | 29.000"              | 20"                 | 4"                  | 9              | 4.254"       |                       |
| TT-1332-15-_-_-                                |                    |                   | 12'               | 15'             |                               | 32.750"              |                     |                     | 13             |              |                       |
| TT-1332-20-_-_-                                |                    |                   | 16'               | 20'             |                               | 35.875"              |                     |                     | 19             |              |                       |
| TT-1332-25-_-_-                                |                    |                   | 20'               | 25'             |                               | 39.000"              |                     |                     | 24             |              |                       |
| TT-12-15-_-_-                                  | 0.500"<br>(1/2")   | 0.750"<br>(3/4")  | 12'               | 15'             | 1/2" Male NPT<br>Rigid/Swivel | 33.750"              | 20"                 | 4"                  | 13             | 4.500"       | CB                    |
| TT-12-20-_-_-                                  |                    |                   | 16'               | 20'             |                               | 36.000"              |                     |                     | 19             |              | CB                    |
| TT-12-25-_-_-                                  |                    |                   | 20'               | 25'             |                               | 42.000"              |                     |                     | 24             |              | CB                    |

Note: For Technithane™ use Clear Blue (CB) Color Suffix

## Auto Spiral to Technithane™ Part Number Conversion

| Auto Spiral Model<br>(Obsolete) | Technithane™ Model<br>(Use This Number) | ID                 | OD                | Working<br>Length | Total<br>Length |
|---------------------------------|-----------------------------------------|--------------------|-------------------|-------------------|-----------------|
| Auto-1001-_-_-                  | TT-14-20-_-_-                           | 0.250"<br>(1/4")   | 0.375"<br>(3/8")  | 16'               | 20'             |
| Auto-1002-_-_-                  | TT-14-30-_-_-                           |                    |                   | 24'               | 30'             |
| Auto-1004-_-_-                  | TT-2164-20-_-_-                         | 0.328"<br>(21/64") | 0.500"<br>(1/2")  | 16'               | 20'             |
| Auto-1005-_-_-                  | TT-2164-30-_-_-                         |                    |                   | 24'               | 30'             |
| Auto-1007-_-_-                  | TT-38-20-_-_-                           | 0.375"<br>(3/8")   | 0.562"<br>(9/16") | 16'               | 20'             |
| Auto-1008-_-_-                  | TT-38-30-_-_-                           |                    |                   | 24'               | 30'             |

Note: The Auto Spiral Line was Merged with Technithane™

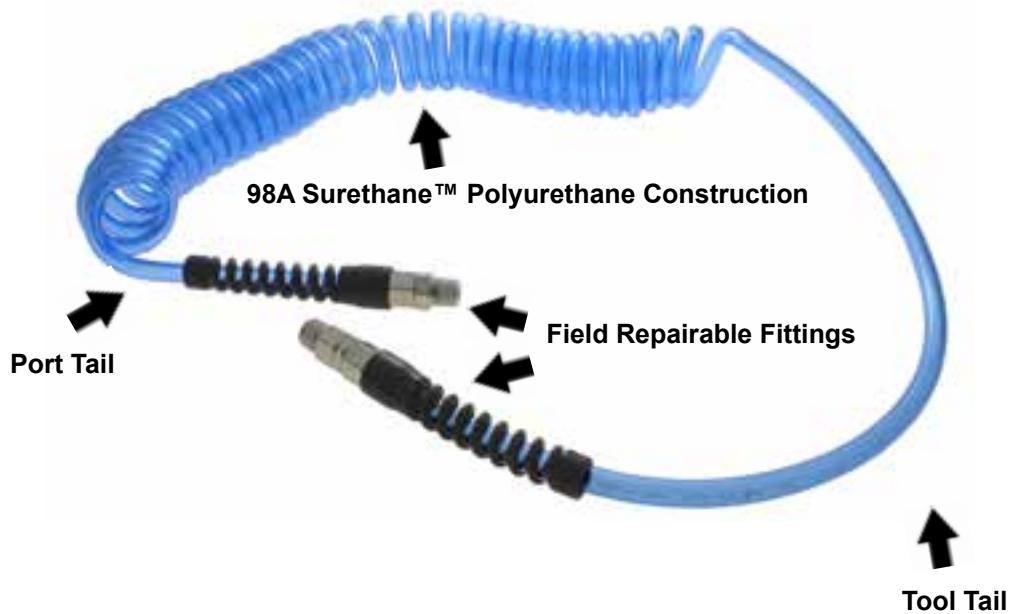




# Spiral Recoil Hose

## Technithane™ Metric Sizes (BSPT Threads)

| Model<br>(select color & fitting style) | ID    | OD   | Working<br>Length | Total<br>Length | Thread         | Retracted<br>Length | Tool Tail<br>Length | Port Tail<br>Length | Total<br>Turns | Spiral<br>OD |
|-----------------------------------------|-------|------|-------------------|-----------------|----------------|---------------------|---------------------|---------------------|----------------|--------------|
| TT-8-2.5_ _                             | 5mm   | 8mm  | 2m                | 2.5m            | 1/4" Male BSPT | 78cm                | 500mm               | 100mm               | 18             | 42mm         |
| TT-8-5_ _                               |       |      | 4m                | 5m              |                | 100cm               |                     |                     | 42             |              |
| TT-8-7.5_ _                             |       |      | 6m                | 7.5m            |                | 123cm               |                     |                     | 66             |              |
| TT-8-10_ _                              |       |      | 8m                | 10m             |                | 140cm               |                     |                     | 90             |              |
| TT-10-2.5_ _                            | 6.5mm | 10mm | 2m                | 2.5m            | 1/4" Male BSPT | 78cm                | 500mm               | 100mm               | 15             | 52mm         |
| TT-10-5_ _                              |       |      | 4m                | 5m              |                | 100cm               |                     |                     | 34             |              |
| TT-10-7.5_ _                            |       |      | 6m                | 7.5m            |                | 123cm               |                     |                     | 53             |              |
| TT-10-10_ _                             |       |      | 8m                | 10m             |                | 140cm               |                     |                     | 72             |              |
| TT-12-2.5_ _                            | 8mm   | 12mm | 2m                | 2.5m            | 3/8" Male BSPT | 78cm                | 500mm               | 100mm               | 11             | 65mm         |
| TT-12-5_ _                              |       |      | 4m                | 5m              |                | 100cm               |                     |                     | 26             |              |
| TT-12-7.5_ _                            |       |      | 6m                | 7.5m            |                | 119cm               |                     |                     | 41             |              |
| TT-12-10_ _                             |       |      | 8m                | 10m             |                | 138cm               |                     |                     | 56             |              |
| TT-16-2.5_ _                            | 11mm  | 16mm | 2m                | 2.5m            | 1/2" Male BSPT | 72cm                | 500mm               | 100mm               | 7              | 108mm        |
| TT-16-5_ _                              |       |      | 4m                | 5m              |                | 84cm                |                     |                     | 16             |              |
| TT-16-7.5_ _                            |       |      | 6m                | 7.5m            |                | 100cm               |                     |                     | 24             |              |
| TT-16-10_ _                             |       |      | 8m                | 10m             |                | 117cm               |                     |                     | 33             |              |



Rigid Fitting with Bend-Restrictor



Swivel Fitting with Bend-Restrictor



# Spiral Recoil Hose

## Technithane™ Fractional Sizes (Pneumatic Quick Disconnect Fittings)

| Model<br>(select color & fitting style)      | ID                 | OD                | Working<br>Length | Total<br>Length | Available<br>QD                                                                | Body Size/<br>Interchange  | Compressed<br>Length | Tool Tail<br>Length | Port Tail<br>Length | Total<br>Turns | Spiral<br>OD |
|----------------------------------------------|--------------------|-------------------|-------------------|-----------------|--------------------------------------------------------------------------------|----------------------------|----------------------|---------------------|---------------------|----------------|--------------|
| TT-316-10-_-_-                               | 0.187"<br>(3/16")  | 0.312"<br>(5/16") | 8'                | 10'             | Premium Series<br>(Automatic),<br>Economy Series<br>(Manual),<br>Safety-Slide™ | 1/4" Industrial            | 31.125"              | 20"                 | 4"                  | 19             | 1.625"       |
| TT-316-15-_-_-                               |                    |                   | 12'               | 15'             |                                                                                |                            | 35.875"              |                     |                     | 31             |              |
| TT-316-20-_-_-                               |                    |                   | 16'               | 20'             |                                                                                |                            | 40.250"              |                     |                     | 42             |              |
| TT-316-25-_-_-                               |                    |                   | 20'               | 25'             |                                                                                |                            | 45.000"              |                     |                     | 54             |              |
| TT-14-10-_-_-                                | 0.250"<br>(1/4")   | 0.375"<br>(3/8")  | 8'                | 10'             | Premium Series<br>(Automatic),<br>Economy Series<br>(Manual),<br>Safety-Slide™ | 1/4" Industrial            | 31.125"              | 20"                 | 4"                  | 14             | 2.002"       |
| TT-14-15-_-_-                                |                    |                   | 12'               | 15'             |                                                                                |                            | 35.625"              |                     |                     | 23             |              |
| TT-14-20-_-_-<br>(Supersedes Auto-1001-_-)   |                    |                   | 16'               | 20'             |                                                                                |                            | 39.750"              |                     |                     | 39             |              |
| TT-14-25-_-_-                                |                    |                   | 20'               | 25'             |                                                                                |                            | 44.250"              |                     |                     | 40             |              |
| TT-14-30-_-_-<br>(Formerly Auto-1002-_-)     |                    |                   | 24'               | 30'             |                                                                                |                            | 50.000"              |                     |                     | 69             |              |
| TT-2164-10-_-_-                              | 0.328"<br>(21/64") | 0.500"<br>(1/2")  | 8'                | 10'             | Premium Series<br>(Automatic),<br>Economy Series<br>(Manual),<br>Safety-Slide™ | 3/8" Industrial            | 31.000"              | 20"                 | 4"                  | 12             | 2.681"       |
| TT-2164-15-_-_-                              |                    |                   | 12'               | 15'             |                                                                                |                            | 44.000"              |                     |                     | 19             |              |
| TT-2164-20-_-_-<br>(Supersedes Auto-1004-_-) |                    |                   | 16'               | 20'             |                                                                                |                            | 31.000"              |                     |                     | 26             |              |
| TT-2164-25-_-_-                              |                    |                   | 20'               | 25'             |                                                                                |                            | 45.000"              |                     |                     | 34             |              |
| TT-2164-30-_-_-<br>(Formerly Auto-1005-_-)   |                    |                   | 24'               | 30'             |                                                                                |                            | 50.000"              |                     |                     | 52             |              |
| TT-38-10-_-_-                                | 0.375"<br>(3/8")   | 0.562"<br>(9/16") | 8'                | 10'             | Premium Series<br>(Automatic),<br>Economy Series<br>(Manual),<br>Safety-Slide™ | 1/4" or 3/8"<br>Industrial | 31.000"              | 20"                 | 4"                  | 12             | 3.125"       |
| TT-38-15-_-_-                                |                    |                   | 12'               | 15'             |                                                                                |                            | 36.000"              |                     |                     | 19             |              |
| TT-38-20-_-_-<br>(Supersedes Auto-1007-_-)   |                    |                   | 16'               | 20'             |                                                                                |                            | 40.000"              |                     |                     | 26             |              |
| TT-38-25-_-_-                                |                    |                   | 20'               | 25'             |                                                                                |                            | 45.000"              |                     |                     | 34             |              |
| TT-38-30-_-_-<br>(Formerly Auto-1008-_-)     |                    |                   | 24'               | 30'             |                                                                                |                            | 47.000"              |                     |                     | 37             |              |
| TT-1332-10-_-_-                              | 0.406"<br>(13/32") | 0.625"<br>(5/8")  | 8'                | 10'             | Safety-Slide™                                                                  | 1/2" Industrial            | 29.000"              | 20"                 | 4"                  | 9              | 4.254"       |
| TT-1332-15-_-_-                              |                    |                   | 12'               | 15'             |                                                                                |                            | 32.750"              |                     |                     | 13             |              |
| TT-1332-20-_-_-                              |                    |                   | 16'               | 20'             |                                                                                |                            | 35.875"              |                     |                     | 19             |              |
| TT-1332-25-_-_-                              |                    |                   | 20'               | 25'             |                                                                                |                            | 39.000"              |                     |                     | 24             |              |
| TT-12-15-_-_-                                | 0.500"<br>(1/2")   | 0.750"<br>(3/4")  | 12'               | 15'             | Safety-Slide™                                                                  | 1/2" Industrial            | 33.750"              | 20"                 | 4"                  | 13             | 4.500"       |
| TT-12-20-_-_-                                |                    |                   | 16'               | 20'             |                                                                                |                            | 36.000"              |                     |                     | 19             |              |
| TT-12-25-_-_-                                |                    |                   | 20'               | 25'             |                                                                                |                            | 42.000"              |                     |                     | 24             |              |

Note: These items are not assembled or stocked, additional lead time required

| Available QD Suffix Codes |                         |              |
|---------------------------|-------------------------|--------------|
| Suffix                    | Series                  | Catalog Page |
| Q                         | Premium Series (Auto)   | 58 - 59      |
| E                         | Economy Series (Manual) | 61           |
| DF                        | Safety-Slide™           | 63           |

Note: for 1/4" Body Size on a 3/8" ID hose, add "2" at the end. Example: DF2



Premium



Economy



Safety-Slide™



# Spiral Recoil Hose



## Armorthane™ Spiral



Armorthane™ Spiral hoses feature a sturdy weave of braided reinforcement between the inner and outer layers, increasing durability and working pressure. The reduced diameter of the spiral enables higher retraction strength, preventing tangles often associated with other hoses.

- UV-Stabilized
- Excellent Abrasion Resistance
- Increased Working Pressure
- Reusable Nickel-Plated Fittings with Bend Restrictors
- Thread Sealant Supplied on all Fittings
- Available with Threads of Pneumatic QD Fittings
- Custom Assemblies Available – Contact ATP

| Specifications           |                                   |
|--------------------------|-----------------------------------|
| Material                 | Polyurethane (Ether-Based)        |
| Hardness                 | Shore 98A                         |
| Color                    | Clear Blue                        |
| Temperature Range        | -40°F to 120°F<br>(-40°C to 49°C) |
| Working Pressure at 68°F | 310 psi (21,3 Bar)                |
| Vacuum Rating            | 28" HG                            |
| Safety Factor            | 3:1                               |
| Tariff Code              | 3917.33.0000                      |

| Fitting Compatibility                             |
|---------------------------------------------------|
| H-Style Compression Replacement Fitting (Page 56) |

## AT - 14 - 10 - CB - RS

| Model |             | Inside Diameter (Nominal) |      | Total Length |       | Color |            | Fittings |                       |
|-------|-------------|---------------------------|------|--------------|-------|-------|------------|----------|-----------------------|
| AT    | Armorthane™ | 14                        | 1/4" | 10           | 10 ft | CB    | Clear Blue | RS       | Rigid & Swivel        |
|       |             | 38                        | 3/8" | 15           | 15 ft |       |            | Q        | Premium Series (Auto) |
|       |             | 12                        | 1/2" | 20           | 20 ft |       |            | E        | Economy (Manual)      |
|       |             |                           |      | 25           | 25 ft |       |            | DF       | Safety-Slide™         |
|       |             |                           |      | 30           | 30 ft |       |            |          |                       |
|       |             |                           |      | 35           | 35 ft |       |            |          |                       |

## Armorthane™ Fractional Sizes (NPT Fittings)

| Model          | ID               | OD                | Working Length | Total Length | Thread                       | Compressed Length | Tool Tail Length | Port Tail Length | Total Turns | Spiral OD | Package Weight |
|----------------|------------------|-------------------|----------------|--------------|------------------------------|-------------------|------------------|------------------|-------------|-----------|----------------|
| AT-14-10-CB-RS | 0.250"<br>(1/4") | 0.375"<br>(3/8")  | 8'             | 10'          | 1/4" Male NPT Rigid / Swivel | 35.2"             | 20"              | 4"               | 30          | 1.63"     | 0.50 lb        |
| AT-14-15-CB-RS |                  |                   | 12'            | 15'          |                              | 41.2"             |                  |                  | 46          |           | 0.75 lb        |
| AT-14-20-CB-RS |                  |                   | 16'            | 20'          |                              | 47.7"             |                  |                  | 63          |           | 1.00 lb        |
| AT-14-25-CB-RS |                  |                   | 20'            | 25'          |                              | 54.7"             |                  |                  | 82          |           | 1.25 lb        |
| AT-14-30-CB-RS |                  |                   | 24'            | 30'          |                              | 60.7"             |                  |                  | 98          |           | 1.50 lb        |
| AT-38-10-CB-RS | 0.375"<br>(3/8") | 0.562"<br>(9/16") | 8'             | 10'          | 3/8" Male NPT Rigid / Swivel | 31.0"             | 20"              | 4"               | 14          | 2.38"     | 1.20 lb        |
| AT-38-15-CB-RS |                  |                   | 12'            | 15'          |                              | 42.0"             |                  |                  | 32          |           | 1.31 lb        |
| AT-38-20-CB-RS |                  |                   | 16'            | 20'          |                              | 49.5"             |                  |                  | 45          |           | 1.75 lb        |
| AT-38-25-CB-RS |                  |                   | 20'            | 25'          |                              | 56.7"             |                  |                  | 58          |           | 2.19 lb        |
| AT-38-30-CB-RS |                  |                   | 24'            | 30'          |                              | 63.0"             |                  |                  | 69          |           | 2.63 lb        |
| AT-38-35-CB-RS |                  |                   | 28'            | 35'          |                              | 70.7"             |                  |                  | 83          |           | 3.06 lb        |
| AT-12-15-CB-RS | 0.500"<br>(1/2") | 0.750"<br>(3/4")  | 12'            | 15'          | 1/2" Male NPT Rigid / Swivel | 40.5"             | 20"              | 4"               | 22          | 4.50"     | 2.06 lb        |
| AT-12-20-CB-RS |                  |                   | 16'            | 20'          |                              | 46.5"             |                  |                  | 30          |           | 2.75 lb        |
| AT-12-25-CB-RS |                  |                   | 20'            | 25'          |                              | 53.2"             |                  |                  | 39          |           | 3.44 lb        |
| AT-12-30-CB-RS |                  |                   | 24'            | 30'          |                              | 58.5"             |                  |                  | 46          |           | 4.13 lb        |

# Spiral Recoil Hose

## Armorthane™ Fractional Sizes with Pneumatics Quick Disconnects

| Model<br>(choose fitting) | ID               | OD                | Working<br>Length | Total<br>Length | Available<br>QD                                                                | Body Size/<br>Interchange  | Retracted<br>Length | Tool Tail<br>Length | Port Tail<br>Length | Total<br>Turns | Spiral<br>OD |
|---------------------------|------------------|-------------------|-------------------|-----------------|--------------------------------------------------------------------------------|----------------------------|---------------------|---------------------|---------------------|----------------|--------------|
| AT-14-10-CB-__            | 0.250"<br>(1/4") | 0.375"<br>(3/8")  | 8'                | 10'             | Premium Series<br>(Automatic),<br>Economy Series<br>(Manual),<br>Safety-Slide™ | 1/4"<br>Industrial         | 35.25"              | 20"                 | 4"                  | 30             | 1.625"       |
| AT-14-15-CB-__            |                  |                   | 12'               | 15'             |                                                                                |                            | 41.25"              |                     |                     | 46             |              |
| AT-14-20-CB-__            |                  |                   | 16'               | 20'             |                                                                                |                            | 47.75"              |                     |                     | 63             |              |
| AT-14-25-CB-__            |                  |                   | 20'               | 25'             |                                                                                |                            | 54.75"              |                     |                     | 82             |              |
| AT-14-30-CB-__            |                  |                   | 24'               | 30'             |                                                                                |                            | 60.75"              |                     |                     | 98             |              |
| AT-38-10-CB-__            | 0.375"<br>(3/8") | 0.562"<br>(9/16") | 8'                | 10'             | Premium Series<br>(Automatic),<br>Economy Series<br>(Manual),<br>Safety-Slide™ | 1/4" or 3/8"<br>Industrial | 31.00"              | 20"                 | 4"                  | 14             | 2.375"       |
| AT-38-15-CB-__            |                  |                   | 12'               | 15'             |                                                                                |                            | 42.00"              |                     |                     | 32             |              |
| AT-38-20-CB-__            |                  |                   | 16'               | 20'             |                                                                                |                            | 49.50"              |                     |                     | 45             |              |
| AT-38-25-CB-__            |                  |                   | 20'               | 25'             |                                                                                |                            | 56.75"              |                     |                     | 58             |              |
| AT-38-30-CB-__            |                  |                   | 24'               | 30'             |                                                                                |                            | 63.00"              |                     |                     | 69             |              |
| AT-38-35-CB-__            |                  |                   | 28'               | 35'             |                                                                                |                            | 70.75"              |                     |                     | 83             |              |
| AT-12-15-CB-__            | 0.500"<br>(1/2") | 0.750"<br>(3/4")  | 12'               | 15'             | Safety-Slide™                                                                  | 1/2"<br>Industrial         | 40.50"              | 20"                 | 4"                  | 22             | 4.500"       |
| AT-12-20-CB-__            |                  |                   | 16'               | 20'             |                                                                                |                            | 46.50"              |                     |                     | 30             |              |
| AT-12-25-CB-__            |                  |                   | 20'               | 25'             |                                                                                |                            | 53.25"              |                     |                     | 39             |              |
| AT-12-30-CB-__            |                  |                   | 24'               | 30'             |                                                                                |                            | 58.50"              |                     |                     | 46             |              |

| Available QD Suffix Codes |                         |              |
|---------------------------|-------------------------|--------------|
| Suffix                    | Series                  | Catalog Page |
| Q                         | Premium Series (Auto)   | 58 - 59      |
| E                         | Economy Series (Manual) | 61           |
| DF                        | Safety-Slide™           | 63           |

Note: for 1/4" Body Size on a 3/8" ID hose, add "2" at the end. Example: DF2



Premium



Economy



Safety-Slide™



# Spiral Recoil Hose

## Other Spirals



## Nylon Spiral



**Single Tube NSF 51®  
Polyurethane Spirals**



**Single Tube  
Nylon Spirals**



# Replacement Hose Fittings

## “H” Series



| Model        | Hose I.D. (Nominal) | Style  | Thread           |
|--------------|---------------------|--------|------------------|
| H14-1MSBR    | 1/4"                | Rigid  | 1/8" Male NPT    |
| H14-1MUSBR   |                     | Swivel | 1/8" Male NPT    |
| H14-2MSBR    |                     | Rigid  | 1/4" Male NPT    |
| H14-2MUSBR   |                     | Swivel | 1/4" Male NPT    |
| H14-3MSBR    |                     | Rigid  | 3/8" Male NPT    |
| H14-3MUSBR   |                     | Swivel | 3/8" Male NPT    |
| H2164-2MUSBR | 21/64"              | Swivel | 1/4" Male NPT    |
| H2164-3FSBR  |                     | Rigid  | 3/8" Female NPT  |
| H2164-3FUSBR |                     | Swivel | 3/8" Female NPT  |
| H2164-3MSBR  |                     | Rigid  | 3/8" Male NPT    |
| H2164-3MUSBR |                     | Swivel | 3/8" Male NPT    |
| H38-2MSBR    | 3/8"                | Rigid  | 1/4" Male NPT    |
| H38-2MUSBR   |                     | Swivel | 1/4" Male NPT    |
| H38-3FSBR    |                     | Rigid  | 3/8" Female NPT  |
| H38-3MSBR    |                     | Rigid  | 3/8" Male NPT    |
| H38-3MUSBR   |                     | Swivel | 3/8" Male NPT    |
| H38-4FSBR    |                     | Rigid  | 1/2" Female NPT  |
| H1332-3MUSBR | 13/32"              | Swivel | 3/8" Male NPT    |
| H1332-4FSBR  |                     | Rigid  | 1/2" Female NPT  |
| H1332-4MSBR  |                     | Rigid  | 1/2" Male NPT    |
| H1332-4MUSBR |                     | Swivel | 1/2" Male NPT    |
| H12-4FSBR    | 1/2"                | Rigid  | 1/2" Female NPT  |
| H12-4MSBR    |                     | Rigid  | 1/2" Male NPT    |
| H12-4MUSBR   |                     | Swivel | 1/2" Male NPT    |
| H5-2MSBR     | 5mm                 | Rigid  | 1/4" Male BSPT   |
| H5-2MUSBR    |                     | Swivel | 1/4" Male BSPT   |
| H6.5-2MSBR   | 6.5mm               | Rigid  | 1/4" Male BSPT   |
| H6.5-2MUSBR  |                     | Swivel | 1/4" Male BSPT   |
| H8-2MSBR     | 8mm                 | Rigid  | 1/4" Male BSPT   |
| H8-3FSBR     |                     | Rigid  | 3/8" Female BSPT |
| H8-3MSBR     |                     | Rigid  | 3/8" Male BSPT   |
| H8-3MUSBR    |                     | Swivel | 3/8" Male BSPT   |
| H11-3MSBR    | 11mm                | Rigid  | 3/8" Male BSPT   |
| H11-4MSBR    |                     | Rigid  | 1/2" Male BSPT   |
| H11-4MUSBR   |                     | Swivel | 1/2" Male BSPT   |

## “STH” Series



| Model       | Hose I.D.<br>(Nominal) | Style | Thread        |
|-------------|------------------------|-------|---------------|
| STH14-2MSBR | 1/4"                   | Rigid | 1/4" Male NPT |
| STH38-2MSBR | 3/8"                   |       | 1/4" Male NPT |
| STH38-3MSBR |                        |       | 3/8" Male NPT |
| STH12-3MSBR | 1/2"                   |       | 3/8" Male NPT |
| STH12-4MSBR |                        |       | 1/2" Male NPT |

# Pneumatic Quick Disconnect Couplings

## General Coupling Information

### Manual Coupling Operation

Manual Coupling connections are made by pulling back the locking sleeve, inserting the plug, and releasing the sleeve.

ATP's Manual couplings are identified by their flush center bore.



### Automatic Coupling Operation

Automatic Coupling connections are made by simply inserting the plug.

ATP's Automatic couplings are identified by the protruding center bore.



**Pneumatic Quick Disconnect Coupling Specifications**

| Series                       | Body Material       | Working Pressure | Temperature Range | Media          | Number of Pawls (Balls) | Seal Material |
|------------------------------|---------------------|------------------|-------------------|----------------|-------------------------|---------------|
| <b>Premium Chrome-Plated</b> | Chrome-Plated Steel | 150 psi          | 32°F - 150°F      | Compressed Air | 6                       | NBR (Buna-N)  |
| <b>Stainless Steel</b>       | 303 Stainless Steel | 300 psi          | 32°F - 150°F      | Gases & Liquid | 6                       | Viton®        |
| <b>Economy Zinc-Plated</b>   | Zinc-Plated Steel   | 150 psi          | 32°F - 150°F      | Compressed Air | 4                       | NBR (Buna-N)  |
| <b>Free-Angle® Plugs</b>     | Chrome-Plated Steel | 145 psi          | 23°F - 140°F      | Compressed Air | N/A                     | N/A           |
| <b>Safety-Slide™</b>         | Chrome-Plated Steel | 20 – 210 psi     | 23°F - 140°F      | Compressed Air | N/A                     | NBR (Buna-N)  |
| <b>Safety-Twist™</b>         | Chrome-Plated Steel | 215 psi          | 20°F - 140°F      | Compressed Air | 6                       | NBR (Buna-N)  |



# Pneumatic Quick Disconnect Couplings



## Chrome-Plated Premium Series

### Chrome-Plated Manual & Automatic Couplings

ATP's Premium Series Quick Disconnects are precision machined, chrome-plated steel. These units connect with the plug by either pulling back the sleeve and inserting (manual), or by simply pushing both units together (automatic).

- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Steel Construction Maintains Integrity, not Easily Damaged like Brass
- Precision Machining Ensures Long Lasting, Leak-Free Connection.
- 6 Retaining Balls Prolongs Seal life

| Specifications           |                     |
|--------------------------|---------------------|
| Body Material            | Chrome-Plated Steel |
| Maximum Working Pressure | 150 psi             |
| Temperature Range        | 32°F-150°F          |
| Media                    | Compressed Air      |
| Number of Pawls (Balls)  | 6                   |
| Seal Material            | NBR (Buna-N)        |

### Chrome-Plated Plugs

ATP's Premium Series Quick Disconnects are precision machined, chrome-plated steel.

- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Rugged Steel Construction Maintains Integrity, not Easily Damaged like Brass
- Precision Machining Ensures Long Lasting, Leak-Free Connection.

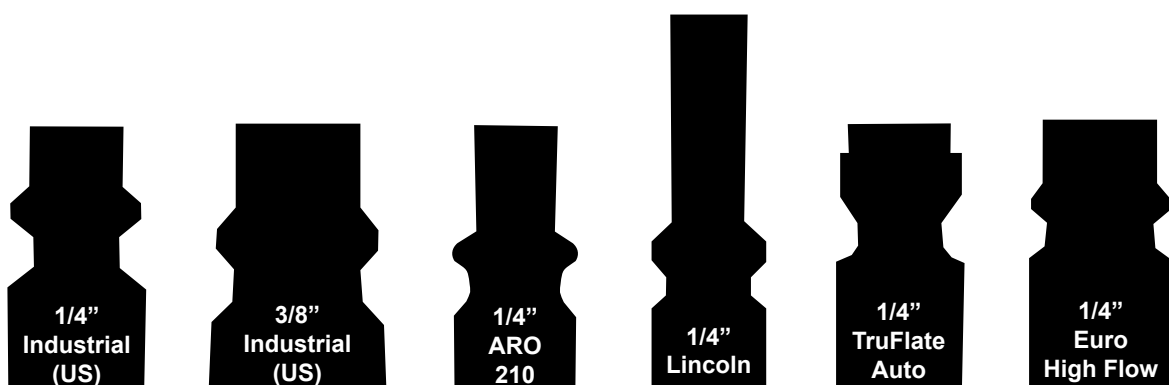
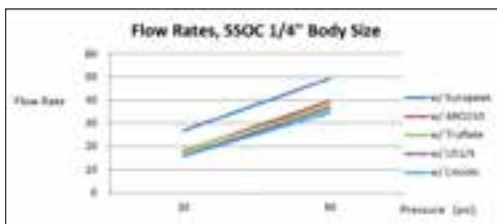
| Specifications           |                     |
|--------------------------|---------------------|
| Body Material            | Chrome-Plated Steel |
| Maximum Working Pressure | 150 psi             |
| Temperature Range        | 32°F-150°F          |
| Media                    | Compressed Air      |

### Chrome-Plated Universal Couplings

**Connects with Industrial (US), TruFlate, ARO, European, and Lincoln Interchanges**

ATP's Premium Series Quick Disconnects are precision machined, chrome-plated steel. These Automatic Universal coupling connect with the plug by simply pushing both units together. **All 5SOC series couplings will connect to Industrial, TruFlate, ARO, European, and Lincoln Interchanges.**

- Automatically Connects to Popular Interchanges
- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Steel Construction Maintains Integrity, not Easily Damaged like Brass
- Precision Machining Ensures Long Lasting, Leak-Free Connection.
- 6 Retaining Balls Prolong Seal life





# Pneumatic Quick Disconnect Couplings

## Chrome-Plated Premium Series (Continued)



| Interchange                                              | Thread          | Automatic Coupling | Manual Coupling | Universal Coupling | Plug       |
|----------------------------------------------------------|-----------------|--------------------|-----------------|--------------------|------------|
| <b>1/4" Industrial (US)</b>                              | 1/4" Female NPT | 14SOC-N2F          | 14SIC-N2F       |                    | 14PIC-N2F  |
|                                                          | 1/4" Male NPT   | 14SOC-N2M          | 14SIC-N2M       |                    | 14PIC-N2M  |
|                                                          | 1/4" Hose Barb  | 14SOC-2B           | 14SIC-2B        |                    | 14PIC-2B   |
|                                                          | 3/8" Female NPT | 14SOC-N3F          | 14SIC-N3F       |                    | 14PIC-N3F  |
|                                                          | 3/8" Male NPT   | 14SOC-N3M          | 14SIC-N3M       |                    | 14PIC-N3M  |
|                                                          | 3/8" Hose Barb  | 14SOC-3B           | 14SIC-3B        |                    | 14PIC-3B   |
| <b>3/8" Industrial (US)</b>                              | 1/4" Female NPT | 38SOC-N2F          | 38SIC-N2F       |                    | 38PIC-N2F  |
|                                                          | 1/4" Male NPT   | 38SOC-N2M          | 38SIC-N2M       |                    | 38PIC-N2M  |
|                                                          | 1/4" Hose Barb  | 38SOC-2B           | 38SIC-2B        |                    | 38PIC-2B   |
|                                                          | 3/8" Female NPT | 38SOC-N3F          | 38SIC-N3F       |                    | 38PIC-N3F  |
|                                                          | 3/8" Male NPT   | 38SOC-N3M          | 38SIC-N3M       |                    | 38PIC-N3M  |
|                                                          | 3/8" Hose Barb  | 38SOC-3B           | 38SIC-3B        |                    | 38PIC-3B   |
|                                                          | 1/2" Female NPT | 38SOC-N4F          | 38SIC-N4F       |                    | 38PIC-N4F  |
|                                                          | 1/2" Male NPT   | 38SOC-N4M          | 38SIC-N4M       |                    | 38PIC-N4M  |
|                                                          | 1/2" Hose Barb  | 38SOC-4B           | 38SIC-4B        |                    | 38PIC-4B   |
| <b>1/4" European/ High Flow</b>                          | 1/4" Female NPT |                    |                 |                    | HFPC-N2F   |
|                                                          | 1/4" Male NPT   |                    |                 |                    | HFPC-N2M   |
|                                                          | 1/4" Hose Barb  |                    |                 |                    | HFPC-2B    |
|                                                          | 3/8" Female NPT |                    |                 |                    | HFPC-N3F   |
|                                                          | 3/8" Male NPT   |                    |                 |                    | HFPC-N3M   |
|                                                          | 3/8" Hose Barb  |                    |                 |                    | HFPC-3B    |
| <b>1/4" Industrial ARO 210 TruFlate European Lincoln</b> | 1/4" Female NPT |                    |                 | 5SOC-N2F           |            |
|                                                          | 1/4" Male NPT   |                    |                 | 5SOC-N2M           |            |
|                                                          | 1/4" Hose Barb  |                    |                 | 5SOC-2B            |            |
|                                                          | 3/8" Female NPT |                    |                 | 5SOC-N3F           |            |
|                                                          | 3/8" Male NPT   |                    |                 | 5SOC-N3M           |            |
|                                                          | 3/8" Hose Barb  |                    |                 | 5SOC-3B            |            |
| <b>1/4" Japanese Industrial</b>                          | 1/4" Female NPT | 22-DSF-NPT         |                 |                    | 22-DPF-NPT |
|                                                          | 1/4" Male NPT   | 22-DSM-NPT         |                 |                    | 22-DPM-NPT |
|                                                          | 1/4" Hose Barb  | 22-DSH             |                 |                    | 22-DPH     |
|                                                          | 3/8" Female NPT | 23-DSF-NPT         |                 |                    | 23-DPF-NPT |
|                                                          | 3/8" Male NPT   | 23-DSM-NPT         |                 |                    | 23-DPM-NPT |
|                                                          | 3/8" Hose Barb  | 23-DSH             |                 |                    | 23-DPH     |
|                                                          | 1/2" Female NPT | 24-DSF-NPT         |                 |                    | 24-DPF-NPT |
|                                                          | 1/2" Male NPT   | 24-DSM-NPT         |                 |                    | 24-DPM-NPT |
|                                                          | 1/2" Hose Barb  | 24-DSH             |                 |                    | 24-DPH     |

# Pneumatic Quick Disconnect Couplings

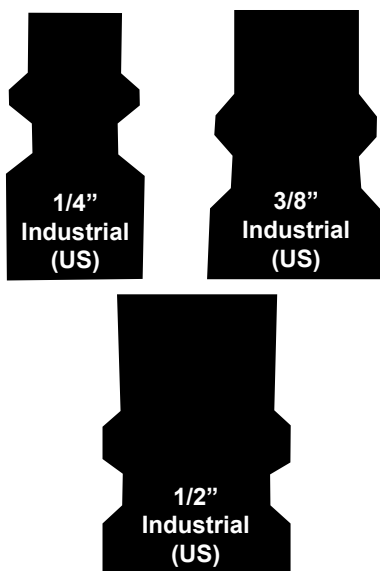
| Specifications           |                     |
|--------------------------|---------------------|
| Body Material            | 303 Stainless Steel |
| Maximum Working Pressure | 300 psi             |
| Temperature Range        | 32°F-150°F          |
| Media                    | Gases & Liquids     |
| Number of Pawls (Balls)  | 6                   |
| Seal Material            | Viton®              |

| Specifications           |                     |
|--------------------------|---------------------|
| Body Material            | 303 Stainless Steel |
| Maximum Working Pressure | 300 psi             |
| Temperature Range        | 32°F-150°F          |
| Media                    | Gases & Liquids     |

## Stainless Steel Series

Constructed of Stainless Steel for the ultimate in corrosion resistance and durability, these quick disconnects are the premium option for a long service life in the toughest environments. When corrosion, elevated temperatures, or repetitive cleaning is a concern, the stainless steel and Viton® seal construction is an effective solution.

- Ultimate Corrosion Resistance
- Ideal for Maritime, Continual Outdoor, or Corrosive Environments
- Viton® Seals
- 6 Retaining Balls Prolong Seal Life



| Interchange                     | Thread               | Manual Coupling | Plug          |
|---------------------------------|----------------------|-----------------|---------------|
| <b>1/4" Industrial (US)</b>     | 1/4" Female NPT      | SS14SI-N2F      | SS14PI-N2F    |
|                                 | 1/4" Male NPT        | SS14SI-N2M      | SS14PI-N2M    |
|                                 | 1/4" Hose Barb       | SS14SI-2B       | SS14PI-2B     |
|                                 | 3/8" Female NPT      | SS14SI-N3F      | SS14PI-N3F    |
|                                 | 3/8" Male NPT        | SS14SI-N3M      | SS14PI-N3M    |
|                                 | 3/8" Hose Barb       | SS14SI-3B       | SS14PI-3B     |
| <b>3/8" Industrial (US)</b>     | 1/4" Female NPT      | SS38SI-N2F      | SS38PI-N2F    |
|                                 | 1/4" Male NPT        | SS38SI-N2M      | SS38PI-N2M    |
|                                 | 1/4" Hose Barb       | SS38SI-2B       | SS38PI-2B     |
|                                 | 3/8" Female NPT      | SS38SI-N3F      | SS38PI-N3F    |
|                                 | 3/8" Male NPT        | SS38SI-N3M      | SS38PI-N3M    |
|                                 | 3/8" Hose Barb       | SS38SI-3B       | SS38PI-3B     |
| <b>1/2" Industrial (US)</b>     | 3/8" Female NPT      | SS12SI-N3F      | SS12PI-N3F    |
|                                 | 3/8" Male NPT        | SS12SI-N3M      | SS12PI-N3M    |
|                                 | 3/8" Hose Barb       | SS12SI-3B       | SS12PI-3B     |
|                                 | 1/2" Female NPT      | SS12SI-N4F      | SS12PI-N4F    |
|                                 | 1/2" Male NPT        | SS12SI-N4M      | SS12PI-N4M    |
|                                 | 1/2" Hose Barb       | SS12SI-4B       | SS12PI-4B     |
| <b>1/4" Japanese Industrial</b> | 1/4" Female BSPT (R) | 22-DSF-SUS303   | 22-DPF-SUS303 |
|                                 | 1/4" Male BSPT (R)   | 22-DSM-SUS303   | 22-DPM-SUS303 |
|                                 | 1/4" Hose Barb       | 22-DSH-SUS303   | 22-DPH-SUS303 |
|                                 | 3/8" Female BSPT (R) | 23-DSF-SUS303   | 23-DPF-SUS303 |
|                                 | 3/8" Male BSPT (R)   | 23-DSM-SUS303   | 23-DPM-SUS303 |
|                                 | 3/8" Hose Barb       | 23-DSH-SUS303   | 23-DPH-SUS303 |
|                                 | 1/2" Female BSPT (R) | 24-DSF-SUS303   | 24-DPF-SUS303 |
|                                 | 1/2" Male BSPT (R)   | 24-DSM-SUS303   | 24-DPM-SUS303 |
|                                 | 1/2" Hose Barb       | 24-DSH-SUS303   | 24-DPH-SUS303 |

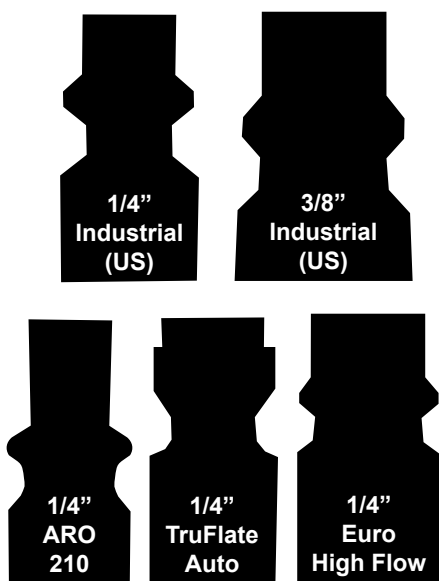
# Pneumatic Quick Disconnect Couplings

## Zinc-Plated Steel Economy Series

Zinc-Plated Couplings are a great economical option for any job-site or industrial setting. These couplers are machined from steel, providing a hard surface that is not easily damaged like brass or aluminum.

| Specifications           |                   |
|--------------------------|-------------------|
| Body Material            | Zinc-Plated Steel |
| Maximum Working Pressure | 150 psi           |
| Temperature Range        | 32°F-150°F        |
| Media                    | Compressed Air    |
| Number of Pawls (Balls)  | 4                 |
| Seal Material            | NBR (Buna-N)      |

| Specifications           |                   |
|--------------------------|-------------------|
| Body Material            | Zinc-Plated Steel |
| Maximum Working Pressure | 150 psi           |
| Temperature Range        | 32°F-150°F        |
| Media                    | Compressed Air    |



| Interchange                     | Thread          | Manual Coupling | Plug     |
|---------------------------------|-----------------|-----------------|----------|
| <b>1/4" Industrial (US)</b>     | 1/4" Female NPT | 14SI-N2F        | 14PI-N2F |
|                                 | 1/4" Male NPT   | 14SI-N2M        | 14PI-N2M |
|                                 | 3/8" Female NPT | 14SI-N3F        | 14PI-N3F |
|                                 | 3/8" Male NPT   | 14SI-N3M        | 14PI-N3M |
|                                 | 1/2" Female NPT | 14SI-N4F        | 14PI-N4F |
|                                 | 1/2" Male NPT   | 14SI-N4M        | 14PI-N4M |
| <b>3/8" Industrial (US)</b>     | 1/4" Female NPT | 38SI-N2F        | 38PI-N2F |
|                                 | 1/4" Male NPT   | 38SI-N2M        | 38PI-N2M |
|                                 | 3/8" Female NPT | 38SI-N3F        | 38PI-N3F |
|                                 | 3/8" Male NPT   | 38SI-N3M        | 38PI-N3M |
|                                 | 1/2" Female NPT | 38SI-N4F        | 38PI-N4F |
|                                 | 1/2" Male NPT   | 38SI-N4M        | 38PI-N4M |
| <b>1/4" ARO 210</b>             | 1/4" Female NPT |                 | 14PA-N2F |
|                                 | 1/4" Male NPT   |                 | 14PA-N2M |
|                                 | 3/8" Female NPT |                 | 14PA-N3F |
|                                 | 3/8" Male NPT   |                 | 14PA-N3M |
| <b>1/4" TruFlate</b>            | 1/4" Female NPT |                 | 14PT-N2F |
|                                 | 1/4" Male NPT   |                 | 14PT-N2M |
|                                 | 3/8" Female NPT |                 | 14PT-N3F |
|                                 | 3/8" Male NPT   |                 | 14PT-N3M |
| <b>1/4" European/ High Flow</b> | 1/4" Female NPT |                 | HPF-N2F  |
|                                 | 1/4" Male NPT   |                 | HPF-N2M  |
|                                 | 3/8" Female NPT |                 | HPF-N3F  |
|                                 | 3/8" Male NPT   |                 | HPF-N3M  |

# Pneumatic Quick Disconnect Couplings

The New Generation  
**FREE ANGLE®**

The Improved, Ergonomic, Patented Swivel Fitting From ATP



## Free-Angle® Plugs

The Free-Angle® Series was introduced in the early 1990's to address ergonomic issues in assembly settings. The Free-Angle® provides an ergonomic connection between air tools and hose. The Free-Angle® swivels 360° and pivots 45°, preventing kinking, tangles, and strain on compressed air lines.

- Reduces Operator Fatigue during Repetitive Movements
- Two Swivel Joints Enhance Ergonomics
- Minimizes Twisting in Straight and Spiral Hoses
- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Thread Sealant on all Male Fittings

| Specifications           |                     |
|--------------------------|---------------------|
| Material                 | Chrome-Plated Steel |
| Maximum Working Pressure | 145 psi             |
| Temperature Range        | 23°F - 140°F        |
| Media                    | Compressed Air      |

## NFAP - N2M - UA

| Style |                  |
|-------|------------------|
| NFAP  | Free-Angle® Plug |

| Thread Style |             |
|--------------|-------------|
| N            | NPT         |
| (Blank)      | BSPT        |
| 1            | 1/8"        |
| 2            | 1/4"        |
| 3            | 3/8"        |
| M            | Male Thread |

| Interchange |                      |
|-------------|----------------------|
| UA          | 1/4" Industrial (US) |
| UB          | 3/8" Industrial (US) |
| ARO210      | ARO 210              |
| TRUFL       | TruFlate             |
| LN          | Lincoln              |
| C320        | European/High Flow   |
| C84         | ISO 6150-C           |
| JIS         | Japanese (JIS)       |



## Free Angle® Plugs

| Model          | Thread         | Interchange | Body Size | Hex  | Length | OD    |
|----------------|----------------|-------------|-----------|------|--------|-------|
| NFAP-N1M-UA    | 1/8" Male NPT  | Industrial  | 1/4"      | 19mm | 1.88"  | 0.20" |
| NFAP-N2M-UA    | 1/4" Male NPT  |             |           |      | 2.11"  |       |
| NFAP-N3M-UA    | 3/8" Male NPT  |             | 3/8"      | 21mm | 1.98"  | 0.20" |
| NFAP-N2M-UB    | 1/4" Male NPT  | Industrial  | 3/8"      | 19mm | 2.11"  | 0.28" |
| NFAP-N3M-UB    | 3/8" Male NPT  |             |           | 24mm | 2.09"  |       |
| NFAP-N2M-A210  | 1/4" Male NPT  | ARO 210     | 1/4"      | 22mm | 2.33"  | 0.20" |
| NFAP-N2M-TRUFL | 1/4" Male NPT  | TruFlate    | 1/4"      | 22mm | 2.24"  | 0.20" |
| NFAP-N2M-LN    | 1/4" Male NPT  | Lincoln     | 1/4"      | N/A  | 2.36"  | 0.19" |
| NFAP-N2M-C320  | 1/4" Male NPT  | Euro 7,2    | 1/4"      | 24mm | 2.36"  | 0.28" |
| NFAP-N2M-C84   | 1/4" Male NPT  | ISO 6150-C  | 1/4"      | 22mm | 2.36"  | 0.31" |
| NFAP-2M-C84    | 1/4" Male BSPT |             |           | 24mm | 2.40"  |       |
| NFAP-N2M-JIS   | 1/4" Male NPT  | Japanese    | 1/4"      | 22mm | 2.50"  | 0.29" |
| NFAP-2M-JIS    | 1/4" Male BSPT |             |           |      |        |       |

See Free-Angle® Threaded Fittings : Page 69 - 70

# Pneumatic Quick Disconnect Couplings

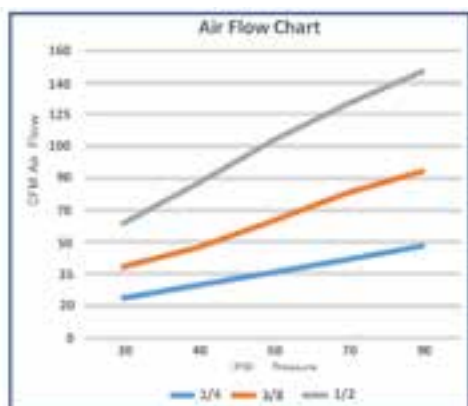
**Safety Slide™**

## Full Flow Safety Couplings



The Safety-Slide™ features a compact, lightweight design that increases safety, and reduces user fatigue when compared to a traditional coupler design. The Patented locking mechanism prevents accidental disconnection while under pressure. The Safety-Slide™ **eliminates the valve and spring often seen in traditional couplers**, providing unrestricted flow and maximum tool performance. Connecting the Safety-Slide™ is accomplished under zero pressure by inserting the plug, and pivoting. All Safety-Slide™ Couplings are Chrome-Plated for easy clean-up in automotive or paint settings, and available in multiple sizes.

- Full Flow Design Eliminates Traditional Valves
- Safety Lock Connection Prevents Disconnection, Reducing Risk of Injury
- Bleeds Downstream Pressure Before Disconnection
- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Steel Construction Maintains Integrity, not Easily Damaged like Brass
- Will Not Degrade Flow When Joining Hoses



### Safety-Slide™ Premium Safety Couplings

| Model    | Thread          | Interchange | Body Size | Hex  | Length | OD    |
|----------|-----------------|-------------|-----------|------|--------|-------|
| 14DF-N2F | 1/4" Female NPT | Industrial  | 1/4"      | 19mm | 1.73"  | 0.83" |
| 14DF-N2M | 1/4" Male NPT   |             |           |      | 1.85"  |       |
| 14DF-2B  | 1/4" Hose Barb  |             |           |      | 2.32"  |       |
| 14DF-N3F | 3/8" Female NPT | Industrial  | 1/4"      | 21mm | 1.77"  | 0.83" |
| 14DF-N3M | 3/8" Male NPT   |             |           | 19mm | 1.93"  |       |
| 14DF-3B  | 3/8" Hose Barb  |             |           | 19mm | 2.40"  |       |
| 14DF-N4F | 1/2" Female NPT | Industrial  | 1/4"      | 26mm | 1.85"  | 0.83" |
| 14DF-N4M | 1/2" Male NPT   |             |           | 22mm | 2.00"  |       |
| 38DF-N2F | 1/4" Female NPT | Industrial  | 3/8"      | 22mm | 1.57"  | 0.94" |
| 38DF-N2M | 1/4" Male NPT   |             |           |      | 1.93"  |       |
| 38DF-2B  | 1/4" Hose Barb  |             |           |      | 2.40"  |       |
| 38DF-N3F | 3/8" Female NPT | Industrial  | 3/8"      | 22mm | 1.81"  | 0.94" |
| 38DF-N3M | 3/8" Male NPT   |             |           |      | 2.05"  |       |
| 38DF-3B  | 3/8" Hose Barb  |             |           |      | 2.48"  |       |
| 38DF-N4F | 1/2" Female NPT | Industrial  | 3/8"      | 26mm | 1.89"  | 0.94" |
| 38DF-N4M | 1/2" Male NPT   |             |           | 22mm | 2.05"  |       |
| 38DF-4B  | 1/2" Hose Barb  |             |           |      | 2.59"  |       |
| 12DF-N3F | 3/8" Female NPT | Industrial  | 1/2"      | 24mm | 1.77"  | 1.10" |
| 12DF-N3M | 3/8" Male NPT   |             |           |      | 2.24"  |       |
| 12DF-3B  | 3/8" Hose Barb  |             |           |      | 2.67"  |       |
| 12DF-N4F | 1/2" Female NPT | Industrial  | 1/2"      | 26mm | 2.09"  | 1.10" |
| 12DF-N4M | 1/2" Male NPT   |             |           | 24mm | 2.24"  |       |
| 12DF-4B  | 1/2" Hose Barb  |             |           |      | 2.79"  |       |
| 12DF-N6F | 3/4" Female NPT | Industrial  | 1/2"      | 32mm | 2.17"  | 1.10" |



# Pneumatic Quick Disconnect Couplings

**Safety-Twist™**



## Locking Universal Safety Coupling

ATP's Safety-Twist™ Locking Universal Safety Coupling features a secure method of connection. The Safety-Twist™ automatically connects by simply inserting a plug into the coupling.

Once connected, a sleeve rotates and locks the connection. To disconnect the Safety-Twist™, simply twist and pull back on the sleeve. Downstream pressure is safely vented before the plug can be removed. The locking connection is suited for assembly areas where unintended disconnection would damage surrounding equipment.

**The Safety-Twist™ works with all 1/4" Body Industrial, TruFlate, and ARO Plugs.**

- Locking Connection Prevents Unintended Separation
- Safely Vents Pressure before Disconnection
- Universal, Works with 3 Major US Interchanges
- Chrome-Plated Steel, Easily Cleaned of Paint or Grease
- 6 Balls Provide Precise Interface with Plug

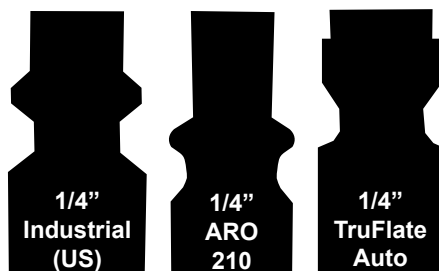
### 3 USC- N2F

| Body Size/Interchange |                | Style |               | Threads |                  |
|-----------------------|----------------|-------|---------------|---------|------------------|
| 3                     | 1/4" Universal | USC   | Safety-Twist™ | N       | NPT              |
|                       |                |       |               | 2       | 1/4"             |
|                       |                |       |               | M       | Male Thread      |
|                       |                |       |               | F       | Female Thread    |
|                       |                |       |               | H14     | Hose Compression |

| Specifications           |                     |
|--------------------------|---------------------|
| Body Material            | Chrome-Plated Steel |
| Maximum Working Pressure | 0-215 psi           |
| Temperature Range        | 20°F to 140°F       |
| Media                    | Compressed Air      |
| Number of Paws (Balls)   | 6                   |
| Seal Material            | Buna-N              |
| Tariff Code              | 7307.99.4000        |

### Safety-Twist™ Locking Universal Safety Couplings

| Model    | Thread                | Interchange               | Body Size | Hex  | Length | O.D.  | Weight (oz.) |
|----------|-----------------------|---------------------------|-----------|------|--------|-------|--------------|
| 3USC-N2M | 1/4" Male NPT         | Industrial, ARO, TruFlate | 1/4"      | 19mm | 2.28"  | 1.00" | 3.8          |
| 3USC-N2F | 1/4" Female NPT       |                           |           |      | 2.20"  |       | 4.3          |
| 3USC-H14 | 1/4" Hose Compression |                           |           |      | 2.79"  |       | 4.2          |



### Cubic Feet/Minute Flow Rates

| Model                               | 60 psi | 85 psi | 115 psi | 145 psi |
|-------------------------------------|--------|--------|---------|---------|
| U.S. Industrial Interchange (ISO B) | 23     | 33     | 41      | 49      |
| TruFlate (Automotive)               | 23     | 33     | 42      | 48      |
| ARO 210                             | 22     | 32     | 41      | 47      |

# Pneumatic Quick Disconnect Couplings



## TST Swing SC Couplers

TST Swing Couplers provide full, non-restricted performance in a heavy-duty package. Connection is achieved by inserting the plug into the coupler and pivoting. To unlock, pull the protective sleeve back and pivot.

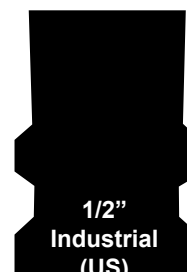
- Safely Vents Pressure at Disconnection
- Connects Easily, without Extra Force Required at 0 psi

### Industrial Interchange Models

| Specifications    |                     |
|-------------------|---------------------|
| Working Pressure  | 200 psi             |
| Temperature Range | -4°F to 212°F       |
| Body Construction | Nickel-Plated Steel |
| Seal Material     | NBR Rubber          |



| Item       | Thread                | Interchange | Body Size | Series | Length         | Diameter     | Weight lb |
|------------|-----------------------|-------------|-----------|--------|----------------|--------------|-----------|
| 205 00 317 | 1/4" Male NPT         | Industrial  | 1/4"      | B1     | 2.20" (56.1mm) | 0.78" (20mm) | 0.25      |
| 205 00 318 | 3/8" Male NPT         |             |           |        | 2.30" (58.6mm) |              |           |
| 205 00 319 | 1/2" Male NPT         |             |           |        | 2.54" (64.6mm) |              |           |
| 205 00 311 | 1/4" Female NPT       |             |           |        | 1.92" (48.8mm) |              |           |
| 205 00 312 | 3/8" Female NPT       |             |           |        | 1.91" (48.6mm) |              |           |
| 205 00 313 | 1/2" Female NPT       |             |           |        | 2.68" (68.1mm) |              |           |
| 205 00 320 | 1/4" (6mm) Hose Barb  |             |           |        |                |              |           |
| 205 00 321 | 5/16" (8mm) Hose Barb |             |           |        |                |              |           |
| 205 00 322 | 3/8" (10mm) Hose Barb |             |           |        |                |              |           |
| 205 00 214 | 1/4" Male NPT         | Industrial  | 3/8"      | E      | 2.21" (56.2mm) | 0.94" (24mm) | 0.33      |
| 205 00 030 | 3/8" Male NPT         |             |           |        | 2.30" (58.5mm) |              |           |
| 205 00 031 | 1/2" Male NPT         |             |           |        | 2.69" (68.5mm) |              |           |
| 205 00 052 | 1/4" Female NPT       |             |           |        | 2.30" (58.5mm) |              |           |
| 205 00 026 | 3/8" Female NPT       |             |           |        | 2.89" (73.5mm) |              |           |
| 205 00 027 | 1/2" Female NPT       |             |           |        | 3.20" (81.5mm) |              |           |
| 205 00 083 | 5/16" (8mm) Hose Barb |             |           |        |                |              |           |
| 205 00 084 | 3/8" (10mm) Hose Barb |             |           |        |                |              |           |
| 205 00 085 | 1/2" (13mm) Hose Barb |             |           |        |                |              |           |
| 205 00 113 | 1/2" Male NPT         | Industrial  | 1/2"      | H      | 3.12" (79.3mm) | 1.32" (35mm) | 0.33      |
| 205 00 114 | 3/4" Male NPT         |             |           |        | 3.27" (83.3mm) |              |           |
| 205 00 110 | 1/2" Female NPT       |             |           |        | 3.55" (90.3mm) |              |           |
| 205 00 111 | 3/4" Female NPT       |             |           |        |                |              |           |





# Pneumatic Quick Disconnect Couplings

## ARO Interchange Models



1/4"  
ARO  
210

| Item       | Thread                | Interchange | Body Size | Series | Length         | Diameter        | Weight lb |
|------------|-----------------------|-------------|-----------|--------|----------------|-----------------|-----------|
| 205 00 297 | 1/4" Male NPT         | ARO         | 1/4"      | A1     | 1.92" (48.8mm) | 0.78"<br>(20mm) | 0.33      |
| 205 00 298 | 3/8" Male NPT         |             |           |        |                |                 | 0.33      |
| 205 00 299 | 1/2" Male NPT         |             |           |        | 1.91" (48.6mm) |                 | 0.16      |
| 205 00 291 | 1/4" Female NPT       |             |           |        | 2.20" (56.1mm) |                 |           |
| 205 00 292 | 3/8" Female NPT       |             |           |        | 2.30" (58.6mm) |                 |           |
| 205 00 293 | 1/2" Female NPT       |             |           |        | 2.54" (64.6mm) |                 |           |
| 205 00 300 | 1/4" (6mm) Hose Barb  |             |           |        | 2.68" (68.1mm) |                 |           |
| 205 00 301 | 5/16" (8mm) Hose Barb |             |           |        |                |                 |           |
| 205 00 302 | 3/8" (10mm) Hose Barb |             |           |        |                |                 |           |

## European Interchange Models



1/4"  
Euro  
High Flow

| Item       | Thread                | Interchange | Body Size | Series | Length         | Diameter     | Weight lb |  |  |
|------------|-----------------------|-------------|-----------|--------|----------------|--------------|-----------|--|--|
| 205 00 375 | 1/4" Male NPT         | European    | 1/4"      | C      | 2.21" (56.2mm) | 0.94" (24mm) | 0.16      |  |  |
| 205 00 354 | 3/8" Male NPT         |             |           |        |                |              | 0.33      |  |  |
| 205 00 355 | 1/2" Male NPT         |             |           |        | 2.30" (58.5mm) |              |           |  |  |
| 205 00 348 | 1/4" Female NPT       |             |           |        | 2.69" (68.5mm) |              |           |  |  |
| 205 00 349 | 3/8" Female NPT       |             |           |        |                |              |           |  |  |
| 205 00 350 | 1/2" Female NPT       |             |           |        | 2.89" (73.5mm) |              |           |  |  |
| 205 00 356 | 1/4" (6mm) Hose Barb  |             |           |        | 3.20" (81.5mm) |              |           |  |  |
| 205 00 357 | 5/16" (8mm) Hose Barb |             |           |        |                |              |           |  |  |
| 205 00 358 | 3/8" (10mm) Hose Barb |             |           |        |                |              |           |  |  |

## Protective Housing Covers

### Plastic Housing Covers

These covers are installed over the housing to protect work pieces.



| Item       | Swing Coupler Series | Weight lb |
|------------|----------------------|-----------|
| 295 00 385 | A1, B1               | 0.01      |
| 295 00 340 | C, E                 |           |
| 295 00 531 | HB                   |           |

### Vinyl Protective Covers

These covers are installed over the entire airline assembly providing complete protection of delicate surfaces.



| Item       | Swing Coupler Series | Weight lb |
|------------|----------------------|-----------|
| 295 00 480 | A1, B1               | 0.08      |
| 295 00 481 | C, E                 |           |



# Brass Fittings & Mufflers



| Thread 1 | Thread 2 | Male Hex & Reducers | Female Hex & Reducers | Male Close Nipple | Bushing | Male x Female | Male Elbow | Street Elbow | Female Elbow |
|----------|----------|---------------------|-----------------------|-------------------|---------|---------------|------------|--------------|--------------|
| 1/8" NPT | 1/8" NPT | MC01-01             | FC01-01               | MCC01-01          |         |               | ML01-01    | STL01-01     | FL01-01      |
| 1/4" NPT | 1/8" NPT | MC02-01             | FC02-01               |                   | BU02-01 | MFC02-01      |            |              |              |
| 1/4" NPT | 1/4" NPT | MC02-02             | FC02-02               | MCC02-02          |         | MFC02-02      | ML02-02    | STL02-02     | FL02-02      |
| 3/8" NPT | 1/8" NPT | MC03-01             |                       |                   | BU03-01 | MFC03-01      |            |              |              |
| 3/8" NPT | 1/4" NPT | MC03-02             | FC03-02               |                   | BU03-02 | MFC03-02      |            |              |              |
| 3/8" NPT | 3/8" NPT | MC03-03             | FC03-03               | MCC03-03          |         | MFC03-03      | ML03-03    | STL03-03     | FL03-03      |
| 1/2" NPT | 1/8" NPT |                     |                       |                   | BU04-01 |               |            |              |              |
| 1/2" NPT | 1/4" NPT | MC04-02             |                       |                   | BU04-02 | MFC04-02      |            |              |              |
| 1/2" NPT | 3/8" NPT | MC04-03             | FC04-03               |                   | BU04-03 | MFC04-03      |            |              |              |
| 1/2" NPT | 1/2" NPT | MC04-04             | FC04-04               | MCC04-04          |         | MFC04-04      | ML04-04    | STL04-04     | FL04-04      |
| 3/4" NPT | 3/8" NPT |                     |                       |                   |         | MFC06-03      |            |              |              |
| 3/4" NPT | 1/2" NPT |                     |                       |                   |         | MFC06-04      |            |              |              |
| 3/4" NPT | 3/4" NPT |                     |                       |                   |         | MFC06-06      | MFC06-06   |              |              |



| Thread | Length | Male Long Nipple |
|--------|--------|------------------|
| 1/8"   | 1.50"  | MCL01-15         |
|        | 2.00"  | MCL01-20         |
|        | 2.50"  | MCL01-25         |
|        | 3.00"  | MCL01-30         |
| 1/4"   | 1.50"  | MCL02-15         |
|        | 2.00"  | MCL02-20         |
|        | 2.50"  | MCL02-25         |
|        | 3.00"  | MCL02-30         |
| 3/8"   | 1.50"  | MCL03-15         |
|        | 2.00"  | MCL03-20         |
|        | 2.50"  | MCL03-25         |
|        | 3.00"  | MCL03-30         |
| 1/2"   | 1.50"  | MCL04-15         |
|        | 2.00"  | MCL04-20         |
|        | 2.50"  | MCL04-25         |
|        | 3.00"  | MCL04-30         |



| Thread 1        | Thread 2      | Hose Barb | Non-Lead Hose Barb | Hose Barb Elbow |
|-----------------|---------------|-----------|--------------------|-----------------|
| 3/16" Hose Barb | 1/8" Male NPT |           | HBM316-01NL        | HBL316-01       |
|                 | 1/4" Male NPT |           |                    | HBL316-02       |
| 1/4" Hose Barb  | 1/8" Male NPT | HBM14-01  | HBM14-01NL         | HBL14-01        |
|                 | 1/4" Male NPT | HBM14-02  | HBM14-02NL         | HBL14-02        |
|                 | 3/8" Male NPT | HBM14-03  |                    | HBL14-03        |
| 5/16" Hose Barb | 1/8" Male NPT |           | HBM516-01NL        | HBL516-01       |
|                 | 1/4" Male NPT |           | HBM516-02NL        | HBL516-02       |
|                 | 3/8" Male NPT |           |                    | HBL516-03       |
| 3/8" Hose Barb  | 1/8" Male NPT | HBM38-01  |                    |                 |
|                 | 1/4" Male NPT | HBM38-02  | HBM38-02NL         | HBL38-02        |
|                 | 3/8" Male NPT | HBM38-03  | HBM38-03NL         | HBL38-03        |
|                 | 1/2" Male NPT | HBM38-04  | HBM38-04NL         | HBL38-04        |
| 1/2" Hose Barb  | 1/4" Male NPT | HBM12-02  | HBM12-02NL         | HBL12-02        |
|                 | 3/8" Male NPT | HBM12-03  | HBM12-03NL         | HBL12-03        |
|                 | 1/2" Male NPT | HBM12-04  | HBM12-04NL         |                 |
| 5/8" Hose Barb  | 3/8" Male NPT |           |                    | HBL58-03        |
|                 | 1/2" Male NPT |           | HBM58-04NL         | HBL58-04        |
| 3/4" Hose Barb  | 1/2" Male NPT |           | HBM34-04NL         | HBL34-04        |
|                 | 3/4" Male NPT |           | HBM34-06NL         | HBL34-06        |
| 1" Hose Barb    | 3/4" Male NPT |           |                    | HBL1-06         |
|                 | 1" Male NPT   |           |                    | HBL1-08         |

## Warning

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# Brass Fittings & Mufflers



| Thread        | Hex Head Plug | Countersunk Hex Head Plug | Cone Muffler | Wire Mesh |
|---------------|---------------|---------------------------|--------------|-----------|
| 1/8" Male NPT | HHP01         | RHP01                     | SBM01        | BMW-01    |
| 1/4" Male NPT | HHP02         | RHP02                     | SBM02        | BMW-02    |
| 3/8" Male NPT | HHP03         | RHP03                     | SBM03        | BMW-03    |
| 1/2" Male NPT | HHP04         | RHP04                     | SBM04        | BMW-04    |



| Thread 1 | Thread 2 | Male Branch Tee | Union Tee |
|----------|----------|-----------------|-----------|
| 1/8" NPT | 1/8" NPT | FBT01-01        | FT01-01   |
| 1/4" NPT | 1/4" NPT | FBT02-02        | FT02-02   |
| 3/8" NPT | 3/8" NPT | FBT03-03        | FT03-03   |
| 1/2" NPT | 1/2" NPT | FBT04-04        | FT05-04   |



| Thread 1        | Thread 2        | Hose Mender |
|-----------------|-----------------|-------------|
| 1/4" Hose Barb  | 1/4" Hose Barb  | HM14-00     |
| 5/16" Hose Barb | 5/16" Hose Barb | HM516-00    |
| 3/8" Hose Barb  | 3/8" Hose Barb  | HM38-00     |
| 1/2" Hose Barb  | 1/2" Hose Barb  | HM12-00     |
| 3/4" Hose Barb  | 3/4" Hose Barb  | HM34-00     |



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# "Free" Fittings



## Free-Angle® Fittings

The Free-Angle® Series was introduced in the early 1990's to address ergonomic issues in assembly settings. The Free-Angle® provides an ergonomic connection to air tools and equipment. The Free-Angle® swivels 360° and pivots 45°, preventing kinking, tangles, and strain on compressed air lines.

- Reduces Operator Fatigue during Repetitive Movements
- Two Swivel Joints Enhance Ergonomics
- Minimizes Twisting in Straight and Spiral Hoses
- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Thread Sealant on all Male Fittings



## NFA N2M - N2M

| Style |                       | Thread Style |               | Thread Style |             |
|-------|-----------------------|--------------|---------------|--------------|-------------|
| NFA   | Free-Angle® Fitting   | N            | NPT           | N            | NPT         |
| NFAB  | Free-Angle® Hose Barb | (Blank)      | BSPT          | (Blank)      | BSPT        |
|       |                       | G            | BSPP          | G            | BSPP        |
|       |                       | 1            | 1/8"          | 1            | 1/8"        |
|       |                       | 2            | 1/4"          | 2            | 1/4"        |
|       |                       | 3            | 3/8"          | 3            | 3/8"        |
|       |                       | M            | Male Thread   | M            | Male Thread |
|       |                       | F            | Female Thread |              |             |

| Specifications           |                     |
|--------------------------|---------------------|
| Material                 | Chrome-Plated Steel |
| Maximum Working Pressure | 145 psi             |
| Temperature Range        | 23°F - 140°F        |
| Media                    | Compressed Air      |
| Seal Material            | NBR- Rubber         |

| Model      | Thread 1         | Hex 1 | Thread 2       | Hex 2 | Length         | O.D.           |
|------------|------------------|-------|----------------|-------|----------------|----------------|
| NFAN2F-N1M | 1/4" Female NPT  | 19mm  | 1/8" Male NPT  | 19mm  | 2.12" (53.8mm) | 0.74" (19.0mm) |
| NFAN2F-N2M |                  |       | 1/4" Male NPT  |       | 2.25" (57.1mm) |                |
| NFAN2F-N3M |                  |       | 3/8" Male NPT  |       | 2.31" (58.6mm) |                |
| NFAN3F-N3M | 3/8" Female NPT  | 19mm  | 3/8" Male NPT  | 19mm  | 2.31" (58.6mm) | 0.74" (19.0mm) |
| NFAN2M-N2M | 1/4" Male NPT    | 19mm  | 1/4" Male NPT  | 19mm  | 2.31" (58.6mm) | 0.74" (19.0mm) |
| NFAN3M-N3M | 3/8" Male NPT    | 19mm  | 3/8" Male NPT  | 21mm  | 2.37" (60.1mm) | 0.74" (19.0mm) |
| NFA2M-2M   | 1/4" Male BSPT   | 19mm  | 1/4" Male BSPT | 19mm  | 2.31" (58.6mm) | 0.74" (19.0mm) |
| NFA3M-3M   | 3/8" Male BSPT   | 19mm  | 3/8" Male BSPT | 21mm  | 2.37" (60.1mm) | 0.74" (19.0mm) |
| NFA2F-2M   | 1/4" Female BSPT | 19mm  | 1/4" Male BSPT | 19mm  | 2.25" (57.1mm) | 0.74" (19.0mm) |
| NFA3F-3M   | 3/8" Female BSPT | 19mm  | 3/8" Male BSPT | 21mm  | 2.31" (58.6mm) | 0.74" (19.0mm) |
| NFAB-N1M-2 | 1/8" Male NPT    | 19mm  | 1/4" Hose Barb | N/A   | 2.75" (69.8mm) | 0.74" (19.0mm) |
| NFAB-N2M-2 | 1/4" Male NPT    | 19mm  | 1/4" Hose Barb | N/A   | 2.81" (71.3mm) | 0.74" (19.0mm) |
| NFAB-N2M-3 | 1/4" Male NPT    | 19mm  | 3/8" Hose Barb | N/A   | 3.00" (76.2mm) | 0.74" (19.0mm) |
| NFAB-N3M-3 | 3/8" Male NPT    | 19mm  | 3/8" Hose Barb | N/A   | 3.00" (76.2mm) | 0.74" (19.0mm) |

# “Free” Fittings

**Free Elbow™**

## Free-Elbow

The innovative design of the Free Elbow provides increased airflow compared to competing 90° units. A swivel along with a rotating joint provide an unrestricted range of motion for the user, reducing fatigue.



### FE N2F - N2M

| Style |            | Thread Style |               | Thread Style |               |
|-------|------------|--------------|---------------|--------------|---------------|
| FE    | Free-Elbow | N            | NPT           | N            | NPT           |
|       |            | (Blank)      | BSPT          | (Blank)      | BSPT          |
|       |            | 2            | 1/4"          | 2            | 1/4"          |
|       |            | 3            | 3/8"          | 3            | 3/8"          |
|       |            | 4            | 1/2"          | 4            | 1/2"          |
|       |            | F            | Female Thread | F            | Female Thread |
|       |            | M            | Male Thread   | M            | Male Thread   |

| Specifications           |                     |
|--------------------------|---------------------|
| Material                 | Chrome-Plated Steel |
| Maximum Working Pressure | 145 psi             |
| Temperature Range        | 23°F - 140°F        |
| Media                    | Compressed Air      |
| Seal Material            | NBR- Rubber         |

| Model            | Thread 1         | Hex 1 | Thread 2       | Hex 2 | Length         | O.D.           |
|------------------|------------------|-------|----------------|-------|----------------|----------------|
| <b>FEN2F-N2M</b> | 1/4" Female NPT  | 19mm  | 1/4" Male NPT  | 19mm  | 2.40" (60.9mm) | 0.80" (20.3mm) |
| <b>FEN3F-N3M</b> | 3/8" Female NPT  |       | 3/8" Male NPT  |       | 2.44" (61.9mm) |                |
| <b>FEN4F-N4M</b> | 1/2" Female NPT  | 24mm  | 1/2" Male NPT  | 24mm  | 2.85" (72.3mm) | 1.02" (25.9mm) |
| <b>FE2F-2M</b>   | 1/4" Female BSPT | 19mm  | 1/4" Male BSPT | 19mm  | 2.40" (60.9mm) | 0.80" (20.3mm) |
| <b>FE3F-3M</b>   | 3/8" Female BSPT |       | 3/8" Male BSPT |       | 2.44" (61.9mm) |                |
| <b>FE4F-4M</b>   | 1/2" Female BSPT | 24mm  | 1/2" Male BSPT | 24mm  | 2.85" (72.3mm) | 1.02" (25.9mm) |

# Tubing & Hose Clamps



## Ear Clamps

Ear Clamps offer a simple, long lasting installation where removal or disassembly is generally not required. Care must be taken during the clamping procedure to ensure that the proper amount of force is used during crimping. ATP offers Oetiker® Clamp Installation Tools in a variety of configurations.

### Ear Clamps

|                | 101 Series                                                                         | 151 Series                                                                         | 153 Series                                                                         | 155 Series<br>Mechanical<br>Interlock                                                | 167 Series<br>Stepless®                                                              |
|----------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Number of Ears | 2                                                                                  | 2                                                                                  | 1                                                                                  | 1                                                                                    | 1                                                                                    |
| Material       | Zinc-Plated Steel                                                                  | Stainless Steel                                                                    | Stainless Steel                                                                    | Stainless Steel                                                                      | Stainless Steel                                                                      |
|                |  |  |  |  |  |

Please See Our Full-Line Catalog or Website for Our Complete Clamp Offering



## Oetiker® Ear Clamp Installation Tools

Clamp installation tools from Oetiker will provide consistent and even pressure around hose barbs.

| Model    | Action   | Jaw Style           |
|----------|----------|---------------------|
| 14100496 | Compound | Standard (Front)    |
| 14100498 | Compound | Side (Front & Side) |
| 14100396 | Single   | Standard (Front)    |



14100496



14100498



14100396

# Tubing & Hose Cutters

**TechniCut™** 



## TC-200

The TechniCut™ Premium Hose and Tubing Cutter features a patented design that provides straight, repeatable cuts up to 1" O.D.

The shape and design of the cutter differs from others in that it does not engage the tube via the blade's point, rather the edge.

- Suited for Production Settings
- All-Metal Design
- Soft Grips Ensure user Comfort
- Replaceable Blade
- Made in USA

## TC-200 BLADE

Replacement Blade for TechniCut™ TC-200



## TC-14

A compact and durable cutter constructed of a tough reinforced plastic. Suitable for tubing and hose from 1/8" to 1/2" OD (3mm-12mm)

## TC-14RPK

5 Pack of carbon steel replacement blades.



## TC-100

A high quality, large capacity cutter capable of sizes through 1" (25.4mm)

## TC-100 BLADE

A single PTFE coated steel replacement blade.



## ETC-20

Unique tubing and hose cutter equipped with a 1m tape measure. Rotatable 5 sided blade allows for longer blade service life.

## ETC-20RPK

A Single 5 sided replacement blade.



# Hose Reels & Balancers



## TechniReel™



### Setup a workspace for efficiency and safety with TechniReel™

TechniReel™ Hose Reels enable workstations to be kept clear of potentially dangerous trip hazards. When not in use, the hose is stored within the reel.

TechniReel™ Hose Reels can be equipped with the **Safety-Wind™** Controlled-Return System, allowing for a steady rewind of the hose into the reel. The **Safety-Wind™** feature is available on select reels with a simple installation consisting of 3 screws. The steady, controlled return of the Safety-Wind™ eliminates the rapid and often uninhibited return seen in other units.

The design of the TechniReel™ Hose Reels enables serviceability. The springs are in a self-contained unit, allowing for cleaning and service, without the need to rewind like other units. The plastic housing will not rust when compared to steel housings, and are UV-Resistant allowing for outdoor use.

**All TechniReel™ units can be mounted vertically or horizontally with the supplied swiveling steel mounting bracket**

| Specifications    |                |
|-------------------|----------------|
| Maximum Pressure  | 150 psi        |
| Media             | Compressed Air |
| Inlet Thread      | Female         |
| Outlet Thread     | Male           |
| Hose Construction | Polyurethane   |
| Temperature Range | 14°F to 113°F  |



#### Features:

- Shock-Resistant Plastic Housing
- UV-Resistant Housing, Suitable for Outdoor Use
- Carbon Steel Spring for Long-Term Durability
- Serviceable and Cleanable
- Steel Wall-Mounting Bracket
- Automatic Spring Rewind System



### Hose Reels

| Model    | Hose ID | Hose Length | Threads  | Safety-Wind™ Equipped? | Depth          | Height         | Width         | Weight          |
|----------|---------|-------------|----------|------------------------|----------------|----------------|---------------|-----------------|
| TR14-20  | 3/16"   | 20'         | 1/4" NPT | Not Available          | 8.8in (225mm)  | 7.0in (180mm)  | 5.1in (130mm) | 2.6lb (1.2 kg)  |
| SHR14-30 | 1/4"    | 30'         | 1/4" NPT | Yes                    | 12.2in (310mm) | 10.4in (265mm) | 6.4in (165mm) | 6.6lb (3.0 kg)  |
| HR14-30  |         |             |          | No                     |                |                |               |                 |
| SHR14-50 |         | 50'         |          | Yes                    | 15.5in (395mm) | 12.4in (315mm) | 8.8in (225mm) | 9.0lb (4.1 kg)  |
| HR14-50  |         |             |          | No                     |                |                |               |                 |
| SHR38-25 | 3/8"    | 25'         | 3/8" NPT | Yes                    | 15.5in (395mm) | 12.4in (315mm) | 8.8in (225mm) | 9.0lb (4.1 kg)  |
| HR38-25  |         |             |          | No                     |                |                |               |                 |
| SHR38-50 |         | 50'         |          | Yes                    | 17.7in (450mm) | 13.1in (335mm) | 7.2in (185mm) | 11.0lb (5.0kg)  |
| HR38-50  |         |             |          | No                     |                |                |               |                 |
| HR12-50  | 1/2"    | 50'         | 1/2" NPT | Not Available          | 20.8in (530mm) | 16.7in (425mm) | 8.2in (210mm) | 18.2lb (8.3 kg) |

### Safety-Wind™ Controlled-Return Kits

| Model   | Installed On |
|---------|--------------|
| SM14-30 | HR14-30      |
| SM14-50 | HR14-50      |
| SM38-25 | HR38-25      |
| SM38-50 | HR38-50      |





# Hose Reels & Balancers



**Mega Hose Balancers**

| Model  | Tool Capacity           | Hose Length |
|--------|-------------------------|-------------|
| MHB-83 | 2.2 – 6.6 lb (1 - 3kg)  | 50" (1,3m)  |
| MHB-84 |                         | 72" (1,9m)  |
| MHB-85 | 6.6 – 11.0 lb (3 - 5kg) | 40" (1,0m)  |
| MHB-86 |                         | 72" (1,9m)  |

**Light Duty Balancers**

| Model      | Tool Capacity   | Hose Length |
|------------|-----------------|-------------|
| LR-09      | 3.3 lbs (1.5kg) | 35" (0,9m)  |
| LR-09B-200 |                 | 78" (2,0m)  |

## Hose Balancers

### MHB “Mega Hose Balancer” Series

The Mega Hose Balancer is a robust die-cast aluminum design that offers varying tool weight and hose length options.

- Tested to 300,000 cycles
- Equipped with Braided-Polyurethane Hose
- Large Knob Style Adjuster does not Require Tools
- Increase Efficiency and Productivity
- Reduce Workspace Clutter

### LR-09 “Light-Duty” Hose Balancer

Lightweight plastic body and compact design are suitable for workstations and light-duty applications. Dial-type torque adjustment. Flexible polyurethane hose for ergonomic operator comfort. Two hose lengths are available. Spring guard is included.

| Specifications           | MHB “Mega Hose Balancer” Series          | LR-09 “Light-Duty” Hose Balancer |
|--------------------------|------------------------------------------|----------------------------------|
| Media                    | Compressed Air                           | Compressed Air                   |
| Max Working Pressure     | 143psi (10 Bar)                          | 140psi (10 Bar)                  |
| Temperature Range        | 32°F to 142°F                            | 32°F to 142°F                    |
| Hose Style               | 5/16" ID (8x10.5mm) Braided Polyurethane | 5 x 8mm Polyurethane             |
| Inlet Connection         | 3/8" Male NPT                            | 1/4" Female NPT                  |
| Outlet Connection (Hose) | 1/4" Female NPT                          | 1/4" Male NPT                    |
| Item Weight              | 5.5lb (2.5kg)                            | 1.87lb (0.85kg)                  |
| Body Construction        | Die-Cast Aluminum                        | Plastic                          |

## Cable Balancers

Cable Balancers help create a clean and efficient workspace by enabling users to position tools above a workspace and in an ideal location. Cable balancers can be adjusted to allow any tool to remain in a location after being placed by a user, this is critical for ergonomics and repeatability in assembly applications.

- Tested at 500,00 Cycles
- Nylon Coated Cable
- Increase Efficiency and Productivity
- Reduce Workspace Clutter



| Model    | Tool Capacity               | Wire Length | Balancer Weight | Adjustment Style | Body Material |
|----------|-----------------------------|-------------|-----------------|------------------|---------------|
| STB-30   | 3.3 – 6.6 lb (1.5 – 3.0kg)  | 50" (1,3m)  | 2.6 lbs (1,3kg) | Tension Key      | Plastic       |
| STB-30-2 |                             | 78" (2,0m)  | 2.9 lbs (1,4kg) |                  |               |
| STB-50   | 6.6 – 11.0 lb (3.0 – 5.0kg) | 50" (1,3m)  | 2.9 lbs (1,3kg) | Tension Key      | Plastic       |
| STB-50-2 |                             | 78" (2,0m)  | 3.3 lbs (1,5kg) |                  |               |
| TB-10    | 1.1 – 3.3 lb (0.5 – 1.5kg)  | 20" (0,5m)  | 0.6 lbs (0,3kg) | Knob Style       | ABS Plastic   |
| TB-15    |                             | 40" (1,0m)  | 1.4 lbs (0,5kg) |                  |               |



# Compressed Air Blowguns



**BK9405-5HD**

## Composite Pistol Grip Blowguns

Composite Pistol Grip Blowguns feature a lightweight, plastic construction.

| Model       | Tip      | Sound Level | Temperature Range | Inlet           | Working Pressure | Body Material | OSHA Compliant? |
|-------------|----------|-------------|-------------------|-----------------|------------------|---------------|-----------------|
| BK9405-5HD* | 4" Fixed | 76 dBa      | -4°F to 158°F     | 1/4" Female NPT | 90-120 psi       | POM           | No              |



## Palm Type Blowgun

Palm Type Blow Guns provide an all metal lever operated unit in a small, tough package.

| Model      | Tip          | Sound Level | Temperature Range | Inlet           | Working Pressure | Body Material     | OSHA Compliant? |
|------------|--------------|-------------|-------------------|-----------------|------------------|-------------------|-----------------|
| BK9407-HDS | Bypass Style | N/A         | 32°F to 140°F     | 1/4" Female NPT | 0-150 psi        | Zinc-Plated Brass | Yes             |



**K601-03**

## All-Metal Pistol Grip Blowguns

All-Metal Pistol Grip Blowguns provide comfortable ergonomics with durable construction.



**10K601-ARS**

| Model      | Tip          | Sound Level | Temperature Range | Inlet           | Working Pressure | Body Material | OSHA Compliant? |
|------------|--------------|-------------|-------------------|-----------------|------------------|---------------|-----------------|
| K601-03    | 6" Fixed     | 83.7 dBa    | 32°F to 140°F     | 1/4" Female NPT | 0-150 psi        | Plated Brass  | No              |
| 10K601-ARS | Vibro Nozzle | 90.6 dBa    | 41°F to 140°F     | 1/4" Female NPT | 0-150 psi        | Plated Brass  | Yes             |

## Prevost® 27202 Compressed Air Blowguns

| Model      | Tip                | Sound Level | Temperature Range | Inlet           | Working Pressure | Body Material | Consumption @ 87 psi | OSHA Compliant? |
|------------|--------------------|-------------|-------------------|-----------------|------------------|---------------|----------------------|-----------------|
| 27202 OSHA | Permanent OSHA     | 90 dBa      | 5°F to 158°F      | 1/4" Male NPT   | 145 psi          | Composite     | 7.7 scfm             | Yes             |
| 27202 SIL  | Silent Nozzle      | 77 dBa      | -4°F to 158°F     | 1/4" Female NPT | 90-120 psi       | POM           | 6.8 scfm             | Yes             |
| 27202 ECR  | Protective Curtain | 82 dBa      | -4°F to 158°F     | 1/4" Female NPT | 90-120 psi       | POM           | 13.8 scfm            | Yes             |
| 27202 MTL  | Metal Nozzle       | 83 dBa      | -4°F to 158°F     | 1/4" Female NPT | 90-120 psi       | POM           | 13.5 scfm            | Yes             |



**27202 OSHA**



**27202 SIL**



**27202 ECR**



**27202 MTL**

# Chemical Resistance Chart

|                            | Polyurethane | Nylon 12 | Polyethylene | PKC | PTFE | Weir Tubing Cover |
|----------------------------|--------------|----------|--------------|-----|------|-------------------|
| <b>Acids</b>               |              |          |              |     |      |                   |
| Acetic, 3n                 | B            | E        | A            | A   | A    | A                 |
| Boric, 4%                  | B            | A        | A            | A   | A    | A                 |
| Chromic, 3n                | D            | E        | A            | A   | A    | —                 |
| Citronic, 3n               | B            | —        | A            | A   | A    | —                 |
| Formic, 3n                 | D            | A        | A            | A   | A    | A                 |
| HCl, 3n                    | A            | E        | A            | A   | A    | —                 |
| Lactic, 3n                 | C            | B        | A            | A   | A    | A                 |
| Nitric, 3n                 | D            | E        | A            | A   | A    | B                 |
| Phosphoric, 3n             | D            | D        | A            | A   | A    | A                 |
| Sulfuric, <20%             | A            | B        | A            | A   | A    | A                 |
| Sulfuric, >20%             | B            | C        | B            | A   | A    | A                 |
| <b>Alkalines</b>           |              |          |              |     |      |                   |
| Ammonia, 3n                | A            | A        | —            | A   | A    | A                 |
| Potassium Hydroxide, 3n    | A            | —        | A            | A   | A    | A                 |
| Sodium Hydroxide, <20%     | A            | A        | A            | A   | A    | A                 |
| Sodium Hydroxide, >20%     | C            | A        | —            | A   | A    | A                 |
| <b>Aqueous Solution</b>    |              |          |              |     |      |                   |
| Aluminum Chloride, 10%     | B            | —        | A            | A   | A    | A                 |
| Ammonium Chloride, 10%     | B            | A        | A            | A   | A    | A                 |
| Bleaching Agent, 40%       | A            | E        | —            | —   | A    | A                 |
| Bleaching Agent, 100%      | B            | E        | —            | —   | A    | —                 |
| Calcium Chloride, 40%      | B            | A        | A            | —   | A    | —                 |
| Caustic Soda, 10%          | A            | A        | —            | —   | A    | —                 |
| Ferric Chloride, 10%       | B            | —        | A            | A   | A    | A                 |
| Hydrogen Peroxide, 3%      | A            | A        | A            | A   | A    | A                 |
| Magnesium Chloride, 30%    | B            | —        | A            | A   | A    | —                 |
| Potassium Chloride, 40%    | B            | A        | A            | —   | A    | —                 |
| Potassium Dichromate, 10%  | B            | C        | A            | —   | A    | —                 |
| Potassium Permanganate, 5% | D            | D        | A            | —   | A    | —                 |
| Sea Water                  | A            | A        | A            | A   | A    | —                 |
| Sodium Bisulfate, 10%      | B            | A        | A            | —   | A    | —                 |
| Sodium Chloride, 10%       | B            | B        | A            | —   | A    | —                 |
| Sodium Hypochlorite, PH 13 | A            | B        | A            | —   | A    | A                 |
| <b>Fuels</b>               |              |          |              |     |      |                   |
| ASTM Fuel A                | A            | —        | —            | B   | A    | —                 |
| ASTM Fuel B                | C            | —        | —            | C   | A    | —                 |
| ASTM Fuel C                | C            | —        | —            | —   | A    | —                 |
| Diesel Fuel                | B            | A        | —            | B   | A    | D                 |
| Gasohol (10-15% Methanol)  | D            | —        | —            | —   | A    | —                 |
| High-test (Super) Gasoline | D            | A        | —            | —   | A    | —                 |
| Kerosene                   | A            | V        | —            | B   | A    | D                 |
| <b>Oils</b>                |              |          |              |     |      |                   |
| ASTM Oil #1                | A            | —        | —            | B   | A    | —                 |
| ASTM Oil #2                | A            | —        | —            | —   | A    | —                 |
| ASTM Oil #3                | A            | —        | —            | B   | A    | —                 |
| Brake Fluid (ATE or ATF)   | D            | A        | —            | —   | A    | —                 |
| Gear Box Oil (SAE 90)      | A            | —        | —            | —   | A    | —                 |
| Hydraulic Fluid            | B            | —        | —            | —   | A    | —                 |
| Hydraulic/Water Emulsion   | B            | —        | —            | —   | A    | —                 |
| Mineral Oil                | A            | A        | C            | A   | A    | —                 |
| Motor Oil                  | A            | A        | B            | —   | A    | —                 |
| Paraffin Oil               | A            | A        | —            | A   | A    | —                 |
| Power Steering Fluid       | B            | —        | —            | —   | A    | —                 |
| Skydrol® 500 Oil           | D            | —        | —            | —   | A    | B                 |

|                             | Polyurethane | Nylon 12 | Polyethylene | PKC | PTFE | Weir Tubing Cover |
|-----------------------------|--------------|----------|--------------|-----|------|-------------------|
| <b>Greases</b>              |              |          |              |     |      |                   |
| Calcium Grease              | A            | —        | —            | —   | A    | —                 |
| Sodium Grease               | A            | —        | —            | —   | A    | —                 |
| Teflon® Grease              | A            | —        | —            | —   | A    | —                 |
| <b>Miscellaneous</b>        |              |          |              |     |      |                   |
| Diethyl Phthalate (DEP)     | A            | —        | C            | C   | A    | —                 |
| Ethylene Chloride           | B            | C        | D            | —   | A    | D                 |
| Ethylene Glycol/Water 50/50 | B            | —        | —            | A   | A    | A                 |
| Household Cleaner           | B            | —        | —            | —   | A    | —                 |
| Naptha                      | A            | —        | A            | B   | A    | D                 |
| Silage (Silo) Juice         | B            | —        | —            | —   | A    | —                 |
| Natural Perspiration        | A            | —        | —            | —   | A    | —                 |
| Tincture of Iodine          | D            | —        | —            | —   | A    | —                 |
| Tricresyl Phosphate         | D            | —        | —            | C   | A    | —                 |
| <b>Solvents</b>             |              |          |              |     |      |                   |
| Acetone                     | D            | A        | D            | C   | A    | B                 |
| Aniline                     | D            | B        | B            | B   | A    | —                 |
| Benzene                     | D            | A        | D            | C   | A    | D                 |
| Benzyl Alcohol              | E            | —        | —            | —   | A    | B                 |
| Butane                      | B            | A        | —            | —   | A    | B                 |
| Butyl Acetate               | D            | A        | B            | C   | A    | —                 |
| Butyl Alcohol               | D            | A        | A            | —   | A    | —                 |
| Carbon Tetrachloride        | D            | A        | D            | C   | A    | D                 |
| Chlorobenzene               | D            | C        | D            | C   | A    | D                 |
| Chloroform                  | D            | C        | D            | C   | A    | D                 |
| Cyclohexane                 | C            | A        | —            | A   | A    | D                 |
| Ethanol                     | C            | —        | B            | —   | A    | B                 |
| Ether                       | C            | A        | —            | —   | A    | B                 |
| Ethyl Acetate               | D            | A        | C            | C   | A    | A                 |
| Freon 11, 12, 22            | C            | —        | —            | —   | A    | D                 |
| Glycerine & Glycol          | A            | A        | B            | A   | A    | A                 |
| Heptane                     | B            | A        | D            | B   | A    | —                 |
| Hexane                      | B            | A        | —            | B   | A    | —                 |
| Isopropyl Alcohol           | C            | A        | —            | —   | A    | —                 |
| Methanol                    | C            | —        | B            | —   | A    | A                 |
| Methyl Acetate              | D            | —        | —            | C   | A    | —                 |
| Methyl Ethyl Ketone         | C            | A        | —            | C   | A    | —                 |
| Methyl Glycol               | D            | —        | —            | —   | A    | —                 |
| Methylene Chloride          | D            | E        | D            | C   | A    | —                 |
| N-Methyl Pyrrolidone        | E            | —        | —            | —   | A    | —                 |
| Perchloroethylene           | D            | —        | —            | C   | A    | —                 |
| Petroleum                   | B            | A        | —            | —   | A    | —                 |
| Pyridine                    | E            | A        | —            | —   | A    | B                 |
| Tetrachloroethylene         | D            | —        | —            | C   | A    | —                 |
| Tetrahydrofuran             | D            | B        | D            | C   | A    | B                 |
| Toluene                     | D            | A        | D            | C   | A    | D                 |
| Trichloroethylene           | D            | C        | D            | C   | A    | D                 |
| Turpentine (Pine Oil)       | B            | A        | C            | B   | A    | B                 |
| Xylene                      | D            | A        | —            | C   | A    | D                 |

Teflon® is a registered trademark of the Dupont Corporation.  
Skydrol® is a registered trademark of Monsanto Company.

**WARNING:**  
This table is a general guide based on our testing. Although every effort was made to ensure its accuracy, we cannot guarantee your results due to variables in temperature and application. Therefore, no warranty is expressed or implied, and the user assumes all risk and liability.

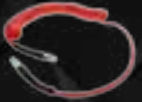
A ..... Excellent (0-3%)  
B ..... Good (4-15%)  
C ..... Fair (16-30%)  
D ..... Poor (>30%)  
E ..... Dissolves



**Straight Tubing**



**Straight Hose**



**Spiral Hose**



**Pneumatic Quick Disconnects**



**TechniFit™ Push-to-Connect Fittings**



**Fluidfit Push-to-Connect Fittings**



**Tubing and Hose Cutters**



**Clamps and Tools**



**Hose Reels**



**Brass Fittings**