



**ADVANCED  
TECHNOLOGY  
PRODUCTS**

# Product Catalog

*Quality Focused, Customer Driven*

Rev 2/18



# Additions to this Version (rev 02/18)

**NEW**

**SURETHANE 85™**  
**ULTRA-FLEXIBLE**  
**POLYURETHANE**

## Surethane 85™

Surethane 85™ is a softer version of 98A Surethane® Tubing. The softer durometer of Surethane 85™ increases flexibility and provides easier installation inside of equipment enclosures.

*Page 9*

**VALUE-TUBE™**  
**NSF61® POLYETHYLENE LLDPE**

**IMBIBE™**  
**NSF61® POLYETHYLENE LLDPE**



## Value-Tube™ and Imbibe™ Polyethylene lines have Merged

Value-Tube™ and Imbibe™ Polyethylene lines have Merged to simplify stocking and ordering. Value-Tube™ will now carry an NSF 61® certification. Please be sure to view the notes on the slight nuances of the merger.

*Page 14-16*

**NEW**

**TechniSpiral™**



## TechniSpiral™

Single Tube Spirals are available in both 98A Polyurethane and Nylon 12. These spirals are compact and intended for assembly and OEM applications.

*Page 211-216*

**NEW**

## Pneumatic Quick Disconnects are Available on Hose and Spiral Assemblies

Select Spirals and Hose Assemblies can now be equipped with pneumatic quick disconnect fittings. This is a value-added service from ATP that provides high quality couplings and plugs on its premium lines of spiral and hose.

**TECHNITHANE™**

*Page 199-202*

**ARMOR-AIR™**

*Page 28-29*

**ARMORTHANE™**

*Page 208-209*

**STRIPER™**  
**REINFORCED PVC**

*Page 31-32*

The following coupling and plugs are available for installation:

**Safety Slide™**

*Page 240*

**Premium Series (Auto)**

*Page 224-231*

**Economy Series (Manual)**

*Page 235-236*

# Additions to this Version (rev 02/18)

**NEW Fluidfit**

## Additional Fittings added to Fluidfit

ATP has added several new Fluidfit NSF 61® certified configurations to the catalog. These include:



**HRST**  
Male Swivel  
Run Tee Fittings  
*Page 182*



**HRPT**  
Male Swivel  
Branch Tee Fittings  
*Page 181*



**HRPL**  
Male Swivel  
Elbow Fittings  
*Page 180*



**HRWT**  
Male Swivel  
Y Fittings  
*Page 183*



**HUFF**  
BSPP Reducers  
*Page 196*



**HCAS-F**  
Press-Fit  
Cartridge Fittings  
*Page 196*



**HCAS-H**  
Press-Fit  
Cartridge Fittings  
With O-Ring  
*Page 196*

**NEW**

**Safety-Twist™**

## Safety-Twist™ Locking Safety Couplings

Safety-Twist™ Locking Safety Couplings feature a unique operation. After the coupling is connected to the plug, the sleeve rotates. This action locks the coupler from unintended disconnection. When the user disconnects the coupling, they must twist the sleeve which vents all downstream pressure before removing the plug.

*Page 242*



## Stocking Charts are Now Included on Tubing and Hose Configurations

Stocking charts have been included on tubing, hose, and spiral product pages. These charts inform a user of the stocking status of each diameter offered by ATP.

| Material Availability by Color Code |    |   |    |   |    |    |    |    |    |   |   |    |  |
|-------------------------------------|----|---|----|---|----|----|----|----|----|---|---|----|--|
| Model                               | BK | C | CB | G | GY | LB | LG | NB | OR | R | W | Y  |  |
| TT-316                              | •  | • | X  | • | X  | •  | X  | •  | X  | • | • | •  |  |
| TT-14                               | •  | • | ✓  | • | LQ | •  | X  | •  | X  | • | • | •  |  |
| TT-2164                             | •  | • | ✓  | • | LQ | LQ | LQ | •  | X  | • | • | LQ |  |
| TT-38                               | X  | • | ✓  | X | X  | X  | X  | •  | X  | • | X | •  |  |
| TT-1332                             | X  | X | X  | X | X  | X  | X  | X  | X  | X | X | X  |  |
| TT-12                               | X  | X | ✓  | X | X  | X  | X  | X  | X  | X | X | X  |  |
| TT-8                                | •  | • | X  | • | X  | •  | X  | •  | X  | • | • | •  |  |
| TT-10                               | •  | • | X  | • | X  | •  | X  | •  | X  | • | X | •  |  |
| TT-12                               | •  | • | X  | • | X  | •  | LQ | •  | X  | • | X | •  |  |
| TT-16                               | •  | • | X  | X | X  | •  | X  | X  | X  | X | X | X  |  |

✓: Spirals are Available    •: Available Material – Some Lead-Time for Spirling  
 LQ: Limited Quantities of Material - Contact ATP    X: Not-Stocked (Minimum Runs Apply) - Contact ATP  
 Availability is Subject to Change, Contact ATP

- ✓ Indicates that the Material is Available
- Used with Spirals, Indicates that Tubing is Available for Spirling
- LQ Indicates that Stock is Available, but in Limited Quantities, Contact ATP Before Ordering
- X Indicates that This Material is Not Normally Stocked, Minimum Extrusion Runs will Apply

## **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.

## **Pricing and Other Details**

Advanced Technology Products maintains and continually updates both pricing and technical details through various publications. In some instances, there may be information that does not match. When this situation occurs, the ATP website will take precedence over all other published material or discretion will be left to ATP.

## **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.

## **Contact Information**

### **Ohio (Headquarters, Distribution, Manufacturing):**

**Physical Address:** 12740 State Route 4      Milford Center, OH 43045  
**Phone:** (937) 349-4055    **Fax:** (937) 49-4155  
**Website:** [www.atp4pneumatics.com](http://www.atp4pneumatics.com)    **Email:** [info@atp4pneumatics.com](mailto:info@atp4pneumatics.com)

### **Tennessee (Distribution Center):**

**101 Wheeler Street, La Vergne, TN 37086**  
**Phone:** (615) 898-1966    **Fax:** (615) 898-1967

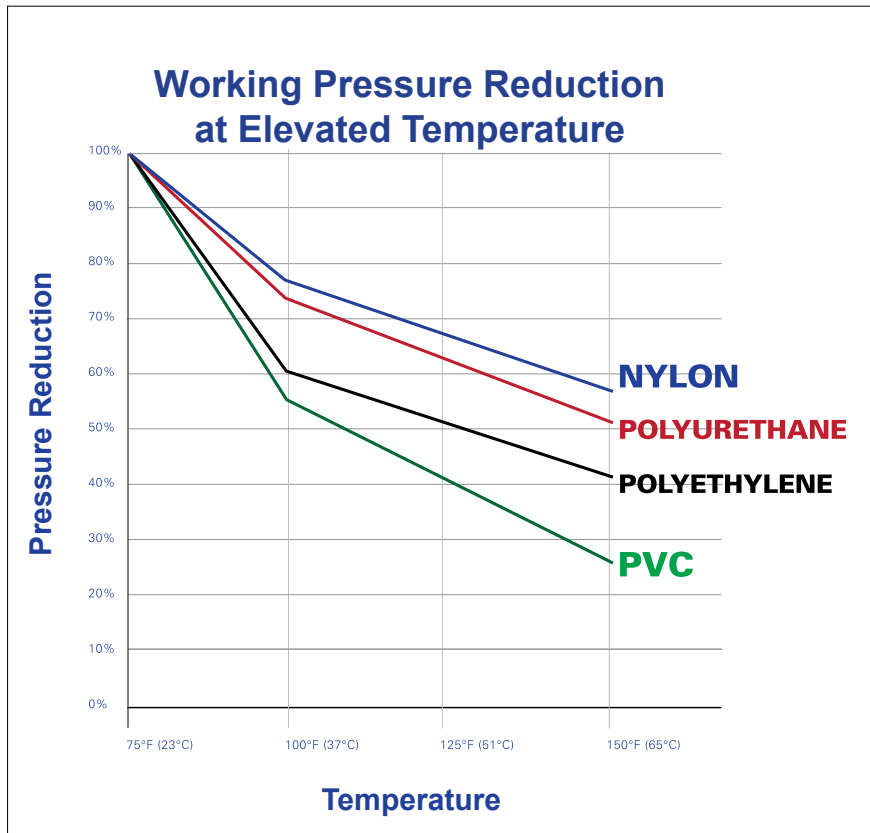
# Table of Contents

|                                                |                  |
|------------------------------------------------|------------------|
| <b>Tubing &amp; Hose</b>                       | <b>3 - 32</b>    |
| <b>Technibond® Bonded Tubing &amp; Spirals</b> | <b>33 - 51</b>   |
| <b>Technifit™ Push-to-Connect Fittings</b>     | <b>52 - 173</b>  |
| <b>Fluidfit™ Push-to-Connect Fittings</b>      | <b>174 - 196</b> |
| <b>Spiral Recoil Hose</b>                      | <b>197 - 217</b> |
| <b>Replacement Hose Fittings</b>               | <b>218 - 221</b> |
| <b>Pneumatic Quick Disconnect Couplings</b>    | <b>222- 244</b>  |
| <b>Brass Fittings &amp; Mufflers</b>           | <b>245- 252</b>  |
| <b>Aluminum Manifolds &amp; Free Fittings</b>  | <b>253- 255</b>  |
| <b>Tubing &amp; Hose Clamps</b>                | <b>256 - 271</b> |
| <b>Tubing &amp; Hose Cutters</b>               | <b>272 - 274</b> |
| <b>Hose Reels &amp; Balancers</b>              | <b>275 - 278</b> |
| <b>Compressed Air Blowguns</b>                 | <b>279 - 281</b> |

# **Tubing & Hose**



## General Tubing Information



## Fittings Use by Tubing Style

To ensure a long lasting and leak free connection, the proper fitting selection is imperative.

| Tubing Style  | TechniFit™/Fluidfit (Push-To-Connect) | Barb-Type | Compression | PTF (Ferruleless Polytube Fitting) |
|---------------|---------------------------------------|-----------|-------------|------------------------------------|
| Surethane®    | ✓                                     | ✓         | ✓           | ✓                                  |
| Surethane 85™ | ✗                                     | ✓         | ✗           | ✗                                  |
| Surethane UV™ | ✓                                     | ✓         | ✓           | ✓                                  |
| Nylochem®     | ✓                                     | ✗         | ✓           | ✓                                  |
| Value-Tube™   | ✓                                     | ✓         | ✓           | ✓                                  |
| Vinyl-Flex™   | ✗                                     | ✓         | ✗           | ✗                                  |
| Mercury™      | ✓                                     | ✓         | ✓           | ✓                                  |
| Venus™        | ✓                                     | ✓         | ✓           | ✓                                  |
| Aarmor-Weld™  | ✓                                     | ✓         | ✓           | ✓                                  |
| MonoShield®   | ✓                                     | ✓         | ✓           | ✓                                  |
| Technibond®   | ✓                                     | ✓         | ✓           | ✓                                  |
| Dura-Pure®    | ✗                                     | ✓         | ✗           | ✓                                  |

## General Tubing Information

### Non-Stock & Private Label Minimum Runs

| Polyurethane (Surethane® & Monoshield™) |                  |             | Nylon (Nylochem®) & PE (Value-Tube™ NSF 61®) |                  |
|-----------------------------------------|------------------|-------------|----------------------------------------------|------------------|
| Tubing O.D.                             | Same Net Pricing | + 15% Adder | Tubing O.D.                                  | Same Net Pricing |
| 1/8"                                    | 30,000'          | 15,000'     | 1/8"                                         | 50,000'          |
| 5/32", 4mm                              | 15,000'          | 7,500'      | 5/32", 4mm                                   | 50,000'          |
| 3/16"                                   | 30,000'          | 15,000'     | 3/16"                                        | 50,000'          |
| 1/4", 6mm                               | 15,000'          | 7,500'      | 1/4", 6mm                                    | 50,000'          |
| 5/16", 8mm                              | 10,000'          | 5,000'      | 5/16", 8mm                                   | 40,000'          |
| 3/8", 10mm                              | 10,000'          | 5,000'      | 3/8", 10mm                                   | 25,000'          |
| 1/2", 12mm                              | 5,000'           | 2,500'      | 1/2", 12mm                                   | 14,000'          |
| 9/16"                                   | 2,500'           |             | 9/16"                                        | 2,500'           |
| 5/8", 16mm                              | 2,500'           |             | 5/8", 16mm                                   | 2,500'           |
| 3/4"                                    | 2,500'           |             | 3/4"                                         | 2,500'           |

## Tubing Certifications

Certifications and compliance are important in many markets to ensure that products are safe for use in critical applications such as food and beverage.

| Tubing Style  | Material                | NSF 51® | NSF 61®            | ASTM – D3295 | ASTMF 930-03 | EN-71 | FDA Compliant | PAHS | REACH Prop 65 | ROHS | UL 94 VO | USP Class VI |
|---------------|-------------------------|---------|--------------------|--------------|--------------|-------|---------------|------|---------------|------|----------|--------------|
| Surethane®    | (PU) Polyurethane       | ✓       | Meets Requirements | ✗            | ✗            | ✗     | ✗             | ✗    | ✗             | ✓    | ✗        | ✗            |
| Surethane 85™ | (PU) Polyurethane       | ✗       | ✗                  | ✗            | ✗            | ✗     | ✗             | ✗    | ✗             | ✓    | ✗        | ✗            |
| Surethane UV™ | (PU) Polyurethane       | ✗       | ✗                  | ✗            | ✗            | ✗     | ✗             | ✗    | ✗             | ✗    | ✗        | ✗            |
| Nylochem®     | Polyamide 12 (Nylon 12) | ✗       | ✗                  | ✗            | ✗            | ✗     | ✗             | ✗    | ✗             | ✗    | ✗        | ✗            |
| Value-Tube™   | LLDPE                   | ✗       | ✓                  | ✗            | ✗            | ✗     | ✓             | ✗    | ✗             | ✗    | ✗        | ✗            |
| Vinyl-Flex™   | PVC                     | ✗       | ✓                  | ✗            | ✗            | ✗     | ✓             | ✗    | ✓             | ✓    | ✗        | ✓            |
| Mercury™      | PTFE                    | ✗       | ✗                  | ✓            | ✗            | ✗     | ✓             | ✗    | ✗             | ✗    | ✓        | ✓            |
| Venus™        | FEP                     | ✗       | ✗                  | ✓            | ✗            | ✗     | ✓             | ✗    | ✗             | ✗    | ✓        | ✓            |
| Aarmor-Weld™  | (PU) Polyurethane       | ✗       | ✗                  | ✗            | ✗            | ✗     | ✗             | ✗    | ✓             | ✓    | ✓        | ✗            |
| MonoShield®   | (PU) Polyurethane       | ✗       | ✗                  | ✗            | ✗            | ✗     | ✗             | ✗    | ✗             | ✗    | ✓        | ✗            |
| Technibond®   | (PU) Polyurethane       | ✗       | ✗                  | ✗            | ✗            | ✗     | ✗             | ✗    | ✗             | ✗    | ✗        | ✗            |
| Dura-Pure®    | Reinforced PVC          | ✗       | ✓                  | ✗            | ✓            | ✓     | ✓             | ✓    | ✓             | ✓    | ✗        | ✓            |

**NSF 51®:** Requirements for materials used in manufacturing of commercial food service equipment and components  
**NSF 61®:** Requirements for water treatment and distribution products, drinking water.  
**ASTM-D3295:** Standard for the manufacture of PTFE tubing  
**FDA Compliant:** Standard set by Food and Drug Administration for use with Plastics  
**PAHS:** Absence of Polycyclic Aromatic Hydrocarbons in its composition.  
**REACH/Prop 65:** European/California Standard where a listing of prohibited chemicals is provided.  
**ROHS:** Standards set forth, where a list of chemicals cannot exceed a specified concentration.  
**UL 94 VO:** Standard set by Underwriter Laboratories that specifies burn rates, flammability, and self-extinguishing.  
**USP Class VI:** Tests performed by United States Pharmacopeia to test the biocompatibility/toxicity of materials.

## 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
- Resistant to Harmful UV Rays (Black Only)

### 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      |

| 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 52 - 173) |  |
| Compression                                |  |
| Hose-Barb (Page 251)                       |  |

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

| Material Availability by Color Code                                                                                                         |    |   |    |    |    |    |    |    |    |    |    |   |   |    |
|---------------------------------------------------------------------------------------------------------------------------------------------|----|---|----|----|----|----|----|----|----|----|----|---|---|----|
| Model                                                                                                                                       | BK | C | CB | CG | CR | G  | GY | LB | LG | NB | OR | R | W | Y  |
| PU18                                                                                                                                        | X  | ✓ | X  | X  | X  | X  | X  | X  | X  | X  | X  | X | X | X  |
| PU04M/532                                                                                                                                   | ✓  | ✓ | ✓  | X  | X  | ✓  | X  | ✓  | X  | ✓  | X  | ✓ | X | ✓  |
| PU316                                                                                                                                       | X  | ✓ | X  | X  | X  | X  | X  | X  | X  | X  | X  | X | X | X  |
| PU14                                                                                                                                        | ✓  | ✓ | ✓  | X  | X  | ✓  | ✓  | ✓  | X  | ✓  | X  | ✓ | ✓ | ✓  |
| PU08M/516                                                                                                                                   | ✓  | ✓ | ✓  | X  | X  | ✓  | X  | ✓  | X  | ✓  | X  | ✓ | ✓ | ✓  |
| PU38                                                                                                                                        | ✓  | ✓ | ✓  | X  | ✓  | ✓  | LQ | ✓  | X  | ✓  | X  | ✓ | ✓ | ✓  |
| PU12                                                                                                                                        | ✓  | ✓ | ✓  | X  | X  | LQ | LQ | LQ | LQ | ✓  | X  | ✓ | ✓ | LQ |
| PU916                                                                                                                                       | X  | ✓ | ✓  | X  | X  | X  | X  | X  | X  | ✓  | X  | X | X | X  |
| PU58                                                                                                                                        | X  | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X | X | X  |
| PU34                                                                                                                                        | LQ | X | ✓  | X  | LQ | X  | X  | X  | X  | LQ | X  | X | X | X  |
| PU06M                                                                                                                                       | ✓  | ✓ | ✓  | X  | X  | ✓  | X  | ✓  | X  | ✓  | X  | ✓ | X | ✓  |
| PU10M                                                                                                                                       | ✓  | ✓ | ✓  | X  | X  | ✓  | X  | ✓  | X  | ✓  | X  | ✓ | X | ✓  |
| PU12M                                                                                                                                       | ✓  | ✓ | ✓  | X  | X  | ✓  | X  | ✓  | X  | ✓  | X  | ✓ | X | ✓  |
| PU16M                                                                                                                                       | ✓  | ✓ | LQ | X  | X  | X  | X  | X  | X  | X  | X  | X | X | X  |
| ✓ = 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"             | 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

### SPU 14 A BK

| 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      |

| 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            |
| UL94VO Compliant          |

| Fitting Compatibility |
|-----------------------|
| Hose-Barb (Page 251)  |

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



## UV - Stabilized Polyurethane Tubing



Surethane UV™ Polyurethane tubing is extruded from ether-based UV-resistant resin. Not only does this tubing offer excellent resistance to hydrolysis and oil, but it offers increased resistance to UV rays from sunlight.

- Stabilized Against Harmful UV Rays
- Ideal for Applications with Exposure to Natural Sunlight
- Superior Kink-Resistance
- Excellent Flexibility over a Broad Temperature Range
- Abrasion-Resistant
- Resists Moisture Absorption

### PUV 14 A BK

| Material |               | Outside Diameter |      | Package Lengths |      | Color Code |       |
|----------|---------------|------------------|------|-----------------|------|------------|-------|
| PUV      | Surethane UV™ | 14               | 1/4" | A               | 100' | BK         | Black |
|          |               | 38               | 3/8" | C               | 500' |            |       |
|          |               | 12               | 1/2" |                 |      |            |       |

| 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      |

| Material Availability by Color Code                                                                           |    |
|---------------------------------------------------------------------------------------------------------------|----|
| Model                                                                                                         | Bk |
| PUV14ABK                                                                                                      | ✓  |
| PUV14CBK                                                                                                      | ✓  |
| PUV38ABK                                                                                                      | ✓  |
| PUV38CBK                                                                                                      | ✓  |
| PUV12ABK                                                                                                      | ✓  |
| PUV12CBK                                                                                                      | ✓  |
| ✓ = Standard Lead Time X = Non-Stock, Minimum Runs Required<br>Availability is Subject to Change, Contact ATP |    |

### Fractional Sizes

| Part Number | OD               | ID                 | Length | Wall Thickness | Bend Radius | Working Pressure at 75°F | Package Weight |
|-------------|------------------|--------------------|--------|----------------|-------------|--------------------------|----------------|
| PUV14ABK    | 0.250"<br>(1/4") | 0.156"<br>(5/32")  | 100'   | 0.047"         | 0.476"      | 180 psi                  | 1.50 lb        |
| PUV14CBK    |                  |                    | 500'   |                |             |                          | 7.50 lb        |
| PUV38ABK    | 0.375"<br>(3/8") | 0.250"<br>(1/4")   | 100'   | 0.063"         | 1.000"      | 150 psi                  | 3.40 lb        |
| PUV38CBK    |                  |                    | 500'   |                |             |                          | 17.00 lb       |
| PUV12ABK    | 0.500"<br>(1/2") | 0.328"<br>(21/64") | 100'   | 0.086"         | 1.100"      | 150 psi                  | 5.60 lb        |
| PUV12CBK    |                  |                    | 500'   |                |             |                          | 28.05 lb       |

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

| Fitting Compatibility                      |
|--------------------------------------------|
| Technifit™ Push to Connect (Page 52 - 173) |
| Compression                                |
| Hose-Barb (Page 251)                       |

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



# Tubing & Hose



| 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             |

| Fitting Compatibility                      |
|--------------------------------------------|
| Technifit™ Push to Connect (Page 52 - 173) |
| Compression                                |

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

## 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

### 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                                            | ✓  | ✓  | X | X  | ✓  | X  | ✓ | X | ✓ |
| N04M/532                                       | ✓  | ✓  | ✓ | X  | ✓  | X  | ✓ | X | ✓ |
| N14                                            | ✓  | ✓  | ✓ | X  | ✓  | ✓  | ✓ | X | ✓ |
| N14x150                                        | ✓  | X  | X | X  | ✓  | X  | X | X | X |
| N08M/516                                       | ✓  | ✓  | X | X  | ✓  | X  | ✓ | X | X |
| N38                                            | ✓  | ✓  | ✓ | X  | ✓  | X  | ✓ | X | ✓ |
| N38x215                                        | X  | X  | X | X  | X  | X  | X | X | X |
| N12                                            | ✓  | ✓  | X | X  | ✓  | X  | ✓ | X | X |
| N58                                            | X  | X  | X | X  | X  | X  | X | X | ✓ |
| N06M                                           | ✓  | ✓  | ✓ | X  | ✓  | X  | ✓ | X | ✓ |
| N10M                                           | ✓  | ✓  | X | X  | ✓  | X  | X | X | X |
| N12M                                           | ✓  | ✓  | X | X  | ✓  | X  | X | X | X |
| N14M                                           | X  | X  | X | X  | X  | X  | X | X | X |
| N16M                                           | X  | X  | X | X  | X  | X  | X | X | X |
| Availability is Subject to Change, Contact ATP |    |    |   |    |    |    |   |   |   |



## NYLOCHEM® N Y L O N 1 2

### 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 | 11mm  | 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

## LLDPE Polyethylene NSF 61® Tubing (Formerly Imbibe™)

**VALUE-TUBE™**

**NSF61® POLYETHYLENE LLDPE**



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

Value-Tube™ and Imbibe™ PE Tubing lines have been merged, simplifying ordering and stocking at the distributor level.

**Note: Until the product transition is complete, order DWPE part numbers if NSF-61® Certification is required. ATP will ship the appropriate product.**

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

### PE 18 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 52 - 173)         |  |
| Compression                                        |  |
| Hose-Barb (Page 251)                               |  |
| Fluidfit™ NSF 61® Push to Connect (Page 174 - 196) |  |

| 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  | LQ | X  | X  | X  |
| PE04M/532                           | LQ | X  | X  | X  | X  | LQ | X  |
| PE14                                | ✓  | ✓  | ✓  | ✓  | X  | ✓  | LQ |
| PE1418                              | LQ | X  | X  | ✓  | X  | X  | X  |
| PE08M/516                           | ✓  | X  | X  | ✓  | X  | X  | X  |
| PE38                                | ✓  | ✓  | LQ | ✓  | X  | ✓  | LQ |
| PE12                                | ✓  | ✓  | LQ | ✓  | X  | LQ | LQ |
| PE58                                | LQ | 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  | LQ | X  | X  | X  |
| PE10M                               | LQ | X  | X  | LQ | X  | X  | X  |
| PE12M                               | LQ | X  | X  | X  | X  | X  | X  |

✓ = Standard Lead Time X = Extended Lead Time, Minimum Runs Apply  
LQ = Limited Quantities, Contact ATP  
Availability is Subject to Change, Contact ATP

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



# Tubing & Hose



## See Note Fractional Sizes

| Value-Tube™<br>Part Number<br>(Insert Color) | Imbibe™<br>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_                                  | DWPE04M/532A_                            | 0.156"<br>(5/32") | 0.106"           | 100'   | 0.025"            | 1.00"          | 180 psi                     | 0.60 lb           |
| PE04M/532B_*                                 | DWPE04M/532B_*                           |                   |                  | 250'   |                   |                |                             | 1.50 lb           |
| PE04M/532C_                                  | DWPE04M/532C_                            |                   |                  | 500'   |                   |                |                             | 3.00 lb           |
| PE04M/532D_                                  | DWPE04M/532D_                            |                   |                  | 1,000' |                   |                |                             | 6.00 lb           |
| PE14A_                                       | DWPE14A_                                 | 0.250"<br>(1/4")  | 0.170"           | 100'   | 0.040"            | 1.25"          | 150 psi                     | 1.20 lb           |
| PE14B_*                                      | DWPE14B_*                                |                   |                  | 250'   |                   |                |                             | 3.00 lb           |
| PE14C_                                       | DWPE14C_                                 |                   |                  | 500'   |                   |                |                             | 6.00 lb           |
| PE14D_                                       | DWPE14D_                                 |                   |                  | 1,000' |                   |                |                             | 12.00 lb          |
| PE1418A_                                     |                                          | 0.125"            | 0.125"           | 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_                                  | DWPE08M/516A_                            | 0.313"<br>(5/16") | 0.236"           | 100'   | 0.038"            | 1.50"          | 150 psi                     | 1.50 lb           |
| PE08M/516B_*                                 | DWPE08M/516B_*                           |                   |                  | 250'   |                   |                |                             | 3.75 lb           |
| PE08M/516C_                                  | DWPE08M/516C_                            |                   |                  | 500'   |                   |                |                             | 7.50 lb           |
| PE08M/516D_                                  | DWPE08M/516D_                            |                   |                  | 1,000' |                   |                |                             | 15.00 lb          |
| PE38A_                                       | DWPE38A_                                 | 0.375"<br>(3/8")  | 0.250"<br>(1/4") | 100'   | 0.062"            | 2.00"          | 150 psi                     | 3.00 lb           |
| PE38B_*                                      | DWPE38B_*                                |                   |                  | 250'   |                   |                |                             | 7.00 lb           |
| PE38C_                                       | DWPE38C_                                 |                   |                  | 500'   |                   |                |                             | 14.00 lb          |
| PE38D_                                       | DWPE38D_                                 |                   |                  | 1,000' |                   |                |                             | 25.00 lb          |
| PE12A_                                       | DWPE12A_                                 | 0.500"<br>(1/2")  | 0.375"<br>(3/8") | 100'   | 0.062"            | 2.50"          | 125 psi                     | 3.40 lb           |
| PE12B_*                                      | DWPE12B_*                                |                   |                  | 250'   |                   |                |                             | 8.50 lb           |
| PE12C_                                       | DWPE12C_                                 |                   |                  | 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

**Note:** Note: Until the product transition is complete, order DWPE part numbers if NSF-61® Certification is required. ATP will ship the appropriate product.



# Tubing & Hose



**See Note**

## Metric Sizes

| Value-Tube™<br>Part Number<br>(Insert Color) | Imbibe™<br>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_                                  | DWPE04M/532A_                            | 4mm  | 2.7mm | 100'   | 0.65mm            | 25.4mm         | 180 psi (12,4 Bar)          | 0.60 lb           |
| PE04M/532B_*                                 | DWPE04M/532B_*                           |      |       | 250'   |                   |                |                             | 1.50 lb           |
| PE04M/532C_                                  | DWPE04M/532C_                            |      |       | 500'   |                   |                |                             | 3.00 lb           |
| PE04M/532D_                                  | DWPE04M/532D_                            |      |       | 1,000' |                   |                |                             | 6.00 lb           |
| PE06MA_                                      | DWPE06MA_                                | 6mm  | 4mm   | 100'   | 1.00mm            | 31.8mm         | 150 psi (10,3 Bar)          | 1.10 lb           |
| PE06MB_*                                     | DWPE06MB_*                               |      |       | 250'   |                   |                |                             | 2.75 lb           |
| PE06MC_                                      | DWPE06MC_                                |      |       | 500'   |                   |                |                             | 5.50 lb           |
| PE06MD_                                      | DWPE06MD_                                |      |       | 1,000' |                   |                |                             | 11.00 lb          |
| PE08M/516A_                                  | DWPE08M/516A_                            | 8mm  | 6mm   | 100'   | 1.00mm            | 38.1mm         | 150 psi (10,3 Bar)          | 1.50 lb           |
| PE08M/516B_*                                 | DWPE08M/516B_*                           |      |       | 250'   |                   |                |                             | 3.75 lb           |
| PE08M/516C_                                  | DWPE08M/516C_                            |      |       | 500'   |                   |                |                             | 7.50 lb           |
| PE08M/516D_                                  | DWPE08M/516D_                            |      |       | 1,000' |                   |                |                             | 15.00 lb          |
| PE10MA_                                      | DWPE10MA_                                | 10mm | 8mm   | 100'   | 1.00mm            | 51.0mm         | 125 psi (8,6 Bar)           | 2.10 lb           |
| PE10MB_*                                     | DWPE10MB_*                               |      |       | 250'   |                   |                |                             | 5.25 lb           |
| PE10MC_                                      | DWPE10MC_                                |      |       | 500'   |                   |                |                             | 10.50 lb          |
| PE12MA_                                      | DWPE12MA_                                | 12mm | 9mm   | 100'   | 1.50mm            | 63.5mm         | 100 psi (6,9 Bar)           | 2.50 lb           |
| PE12MB_*                                     | DWPE12MB_*                               |      |       | 250'   |                   |                |                             | 6.50 lb           |
| PE12MC_                                      | DWPE12MC_                                |      |       | 500'   |                   |                |                             | 13.00 lb          |

Note: \* Indicates Non-Stock Packaged Length

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

**Note:** Note: Until the product transition is complete, order DWPE part numbers if NSF-61® Certification is required. ATP will ship the appropriate product.



# Tubing & Hose



## PTFE Tubing

Mecury™ PTFE Tubing is a great choice for high-heat and/or advanced chemical resistance applications.

- Does Not Support Combustion
- Excellent Dielectric Properties
- Chemically Inert
- Widest Temperature Range of ATP's Offering



### PTFE 18 A NA

| Material |      | Size OD x ID | Package Lengths |      | Color Code |         |
|----------|------|--------------|-----------------|------|------------|---------|
| PTFE     | PTFE |              | A               | 100' | NA         | Natural |

### Fractional & Metric Sizes

| Specifications          |                                   |
|-------------------------|-----------------------------------|
| Temperature Range       | -454°F to 500°F                   |
| Vacuum Rating           | 28" HG                            |
| Tolerance (1/8")        | +/- .004"                         |
| Tolerance (1/4 to 3/8") | +/- .005"                         |
| Hardness                | Shore 55D                         |
| Safety Factor           | 4:1                               |
| Material                | PTFE<br>(Polytetrafluoroethylene) |
| Pressure Range          | See Charts                        |
| Media                   | Gases & Liquids                   |
| Tariff Code             | 3917.32.0000                      |

| Certifications/Compliance |  |
|---------------------------|--|
| USP Class VI              |  |
| UL 94 VO                  |  |
| ASTM – D3295              |  |
| FDA Compliant             |  |

| Fitting Compatibility                      |  |
|--------------------------------------------|--|
| Technifit™ Push to Connect (Page 52 - 173) |  |
| Compression                                |  |
| Hose-Barb (Page 251)                       |  |

| Part Number   | OD            | ID             | Length | Wall Thickness | Bend Radius | Working Pressure at 75°F | Package Weight |
|---------------|---------------|----------------|--------|----------------|-------------|--------------------------|----------------|
| PTFE18ANA     | 0.125" (1/8") | 0.063"         | 100'   | 0.031"         | 0.39"       | 381 psi                  | 1.14 lb        |
| PTFE14-18ANA  | 0.250" (1/4") | 0.125" (1/8")  | 100'   | 0.063"         | 1.18"       | 372 psi                  | 2.29 lb        |
| PTFE14-532ANA |               | 0.156" (5/32") |        | 0.047"         | 1.97"       | 275 psi                  | 2.02 lb        |
| PTFE14-316ANA |               | 0.188" (3/16") |        | 0.031"         | 2.56"       | 174 psi                  | 1.75 lb        |
| PTFE38ANA     | 0.375" (3/8") | 0.250" (1/4")  | 100'   | 0.063"         | 4.33"       | 240 psi                  | 5.84 lb        |
| PTFE438-38ANA | 0.438"        | 0.375" (3/8")  | 100'   | 0.032"         | 4.50"       | 95 psi                   | 6.0 lb         |
| PTFE12ANA     | 0.500" (1/2") | 0.375" (3/8")  | 100'   | 0.063"         | 6.50"       | 150 psi                  | 6.5 lb         |
| PTFE04MANA    | 4mm           | 2.5mm          | 100'   | 0.75mm         | 25mm        | 292 psi (20,1 Bar)       | 1.51 lb        |
| PTFE06MANA    | 6mm           | 4mm            | 100'   | 1.00mm         | 40mm        | 275 psi (18,9 Bar)       | 2.29 lb        |
| PTFE08MANA    | 8mm           | 6mm            | 100'   | 1.00mm         | 60mm        | 180 psi (12,4 Bar)       | 3.20 lb        |
| PTFE10MANA    | 10mm          | 8mm            | 100'   | 1.00mm         | 75mm        | 133 psi (9,1 Bar)        | 4.13 lb        |
| PTFE12MANA    | 12mm          | 10mm           | 100'   | 1.00mm         | 100mm       | 120 psi (8,2 Bar)        | 6.00 lb        |

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

## FEP Tubing



Venus™ FEP tubing is a more flexible, durable alternative to PTFE. Venus™ features low permeability with UV resistance. All Venus™ tubing is semi-clear in color.

- Economical Alternative to PTFE
- Easily Cleaned
- Chemically Inert
- UV-Resistant
- Low Permeability



### FEP 18 A

| Material |     | Size OD x ID |              | Package Lengths |      |
|----------|-----|--------------|--------------|-----------------|------|
| FEP      | FEP | 18           | 1/8" x .063" | A               | 100' |
|          |     | 14-18        | 1/4" x 1/8"  |                 |      |
|          |     | 14-532       | 1/4" x 5/32" |                 |      |
|          |     | 14-316       | 1/4" x 3/16" |                 |      |
|          |     | 38           | 3/8" x 1/4"  |                 |      |
|          |     | 12           | 1/2" x 3/8"  |                 |      |
|          |     | 04M          | 4x2.5mm      |                 |      |
|          |     | 06M          | 6x4mm        |                 |      |
|          |     | 08M          | 8x6mm        |                 |      |
|          |     | 10M          | 10x8mm       |                 |      |
|          |     | 12M          | 12x10mm      |                 |      |

| Specifications          |                                      |
|-------------------------|--------------------------------------|
| Temperature Range       | -400°F to 400°F                      |
| Vacuum Rating           | 28" HG                               |
| Tolerance (1/8")        | +/- .004"                            |
| Tolerance (1/4 to 3/8") | +/- .005"                            |
| Hardness                | Shore 55D                            |
| Safety Factor           | 3:1                                  |
| Material                | FEP (Fluorinated Ethylene Propylene) |
| Pressure Range          | See Charts                           |
| Media                   | Gases & Liquids                      |
| Tariff Code             | 3917.32.0000                         |

| Certifications/Compliance |  |
|---------------------------|--|
| USP Class VI              |  |
| UL 94 VO                  |  |
| ASTM – D3295              |  |
| FDA Compliant             |  |

| Fitting Compatibility                      |  |
|--------------------------------------------|--|
| Technifit™ Push to Connect (Page 52 - 173) |  |
| Compression                                |  |
| Hose-Barb (Page 251)                       |  |

### Fractional Sizes

| Part Number  | OD            | ID             | Length | Wall Thickness | Bend Radius | Working Pressure at 75°F | Package Weight |
|--------------|---------------|----------------|--------|----------------|-------------|--------------------------|----------------|
| FEP18ANA     | 0.125 (1/8")  | 0.063 (1/16")  | 100'   | 0.031          | 0.39        | 381 psi                  | 1.14 lb        |
| FEP14-18ANA  | 0.250" (1/4") | 0.125" (1/8")  | 100'   | 0.063"         | 1.18"       | 400 psi                  | 1.14 lb        |
| FEP14-532ANA |               | 0.156" (5/32") |        | 0.047"         | 1.97"       | 300 psi                  | 2.29 lb        |
| FEP14-316ANA |               | 0.188" (3/16)  |        | 0.031"         | 2.56"       | 174 psi                  | 1.75 lb        |
| FEP38ANA     | 0.375" (3/8") | 0.250" (1/4")  | 100'   | 0.063"         | 4.33"       | 240 psi                  | 5.84 lb        |
| FEP12ANA     | 0.500" (1/2") | 0.375" (3/8")  | 100'   | 0.063"         | 6.50"       | 180 psi                  | 6.50lb         |

### Metric Sizes

| Part Number | OD   | ID    | Length | Wall Thickness | Bend Radius | Working Pressure at 75°F | Package Weight |
|-------------|------|-------|--------|----------------|-------------|--------------------------|----------------|
| FEP04MANA   | 4mm  | 2.5mm | 100'   | 0.75mm         | 25mm        | 292 psi (20.1 Bar)       | 1.51 lb        |
| FEP06MANA   | 6mm  | 4mm   | 100'   | 1.00mm         | 40mm        | 175 psi (12.0 Bar)       | 2.29 lb        |
| FEP08MANA   | 8mm  | 6mm   | 100'   | 1.00mm         | 60mm        | 180 psi (12.4 Bar)       | 3.20 lb        |
| FEP10MANA   | 10mm | 8mm   | 100'   | 1.00mm         | 75mm        | 133 psi (9.1 Bar)        | 4.13 lb        |
| FEP12MANA   | 12mm | 10mm  | 100'   | 1.00mm         | 100mm       | 120 psi (8.7 Bar)        | 6.00 lb        |

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

# Tubing & Hose

## 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

| 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 52 - 173) |  |
| Compression                                |  |
| Hose-Barb (Page 251)                       |  |

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

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

### 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        |                 |           |            |            |



# Tubing & Hose



## 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          |

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



# Tubing & Hose

## 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 52 - 173) |
| Compression                                |
| Hose-Barb (Page 251)                       |

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

## 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      |
|          |                          | MS14             | 1/4"        | B               | 250' | G          | Green      |
| 2MS      | Bonded Weld Spatter      | 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        |                 |      |            |            |

| Material Availability by Color Code                                                                            |    |    |    |    |    |   |  |
|----------------------------------------------------------------------------------------------------------------|----|----|----|----|----|---|--|
| Model                                                                                                          | BK | G  | LB | R  | W  | Y |  |
| MS04M/532                                                                                                      | LQ | X  | LQ | LQ | X  | X |  |
| MS14                                                                                                           | LQ | X  | LQ | LQ | LQ | X |  |
| MS08M/516                                                                                                      | LQ | LQ | LQ | X  | X  | X |  |
| MS38                                                                                                           | LQ | X  | LQ | LQ | X  | X |  |
| MS12                                                                                                           | LQ | LQ | LQ | X  | LQ | X |  |
| MS06M                                                                                                          | LQ | X  | LQ | X  | LQ | X |  |
| MS10M                                                                                                          | LQ | LQ | LQ | X  | X  | X |  |
| MS12M                                                                                                          | LQ | LQ | X  | X  | X  | X |  |
| MS16M                                                                                                          | X  | X  | LQ | X  | LQ | X |  |
| LQ = Limited Quantities 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 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          |

**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 Pressure<br>at 75°F | Number<br>Tubes | Package<br>Weight |
|----------------------------|------|-------|--------|-------------------|----------------|-----------------------------|-----------------|-------------------|
| MS04M/532A_                | 4mm  | 2.4mm | 100'   | 0.80mm            | 127mm          | 200 psi<br>(13,7 Bar)       | 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           |
| MS06MA_                    | 6mm  | 4mm   | 100'   | 1.00mm            | 16mm           | 150 psi<br>(10,3 Bar)       | 1               | 1.50 lb           |
| MS06MB_                    |      |       | 250'   |                   |                |                             |                 | 3.75 lb           |
| 2MS06MA_                   |      |       | 100'   |                   |                |                             | 2<br>(Bonded)   | 3.00 lb           |
| 2MS06MB_                   |      |       | 250'   |                   |                |                             |                 | 7.50 lb           |
| MS08M/516A_                | 8mm  | 4.7mm | 100'   | 1.60mm            | 19mm           | 175 psi<br>(12 Bar)         | 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          |
| MS10MA_                    | 10mm | 6.5mm | 100'   | 1.75mm            | 25mm           | 150 psi<br>(10,3 Bar)       | 1               | 3.50 lb           |
| MS10MB_                    |      |       | 250'   |                   |                |                             |                 | 8.75 lb           |
| 2MS10MA_                   |      |       | 100'   |                   |                |                             | 2<br>(Bonded)   | 7.00 lb           |
| 2MS10MB_                   |      |       | 250'   |                   |                |                             |                 | 17.75 lb          |
| MS12MA_                    | 12mm | 8mm   | 100'   | 2.00mm            | 30mm           | 150 psi<br>(10,3 Bar)       | 1               | 5.10 lb           |
| MS12MB_                    |      |       | 250'   |                   |                |                             |                 | 12.75 lb          |
| 2MS12MA_                   |      |       | 100'   |                   |                |                             | 2<br>(Bonded)   | 10.20 lb          |
| 2MS12MB_                   |      |       | 250'   |                   |                |                             |                 | 25.50 lb          |
| MS16MA_                    | 16mm | 11mm  | 100'   | 2.50mm            | 55mm           | 110 psi<br>(7,5 Bar)        | 1               | 9.00 lb           |
| MS16MB_                    |      |       | 250'   |                   |                |                             |                 | 22.50 lb          |
| 2MS16MA_                   |      |       | 100'   |                   |                |                             | 2<br>(Bonded)   | 18.00 lb          |
| 2MS16MB_                   |      |       | 250'   |                   |                |                             |                 | 45.00 lb          |

**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 food and beverage applications.

- Certified for Direct Contact with Potable Water, Food & Beverage
- Lightweight and Flexible
- Phthalate-Free

## PVC 18-14 A NA

| 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 251)   |  |

| Material |             |
|----------|-------------|
| PVC      | NSF 61® PVC |

| Inside Diameter x Outside Diameter |                 |
|------------------------------------|-----------------|
| PVC18-14                           | 1/8" x 1/4"     |
| PVC316-14                          | 3/16" x 1/4"    |
| PVC316-516                         | 3/16" x 5/16"   |
| PVC316-38                          | 3/16" x 3/8"    |
| 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"     |

| Package Lengths |      |
|-----------------|------|
| A               | 100' |
| 2A              | 50'  |

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

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

# 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        |
| 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



## 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 with food and beverage applications.

- Certified for Direct Contact with Potable Water, Food & Beverage
- Lightweight and Flexible
- Phthalate-Free
- Flexible

### PVCBH 14 - 438 A NA

| Material |                        | Inside Diameter x Outside Diameter |                | Package Lengths |      | Color Code |       |
|----------|------------------------|------------------------------------|----------------|-----------------|------|------------|-------|
| PVCBH    | NSF 61® Reinforced PVC | PVCBH316-375                       | 3/16" x 3/8"   | A               | 100' | NA         | Clear |
|          |                        | PVCBH14-438                        | 1/4" x .438"   | A2              | 200' |            |       |
|          |                        | PVCBH516-531                       | 5/16" x .531"  | A3              | 300' |            |       |
|          |                        | 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"    |                 |      |            |       |

| 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            |

| 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 251)   |



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



# Tubing & Hose



## Fractional Sizes

| Part Number       | ID                | OD               | Length | Wall Thickness | Working Pressure at 75°F | Package Weight |
|-------------------|-------------------|------------------|--------|----------------|--------------------------|----------------|
| PVCBH316-375ANA   | 0.187"<br>(3/16") | 0.375"<br>(3/8") | 100'   | 0.094"         | 250 psi                  | 4.41 lb        |
| PVCBH316-375A3NA  |                   |                  | 300'   |                |                          | 13.23 lb       |
| PVCBH14-438ANA    | 0.250"<br>(1/4")  | 0.438"           | 100'   | 0.094"         | 250 psi                  | 5.84 lb        |
| PVCBH14-438A3NA   |                   |                  | 300'   |                |                          | 17.52 lb       |
| PVCBH516-531ANA   | 0.313"<br>(5/16") | 0.531"           | 100'   | 0.109"         | 250 psi                  | 7.39 lb        |
| PVCBH516-531A3NA  |                   |                  | 300'   |                |                          | 22.17 lb       |
| PVCBH38-594ANA    | 0.375"<br>(3/8")  | 0.594"           | 100'   | 0.109"         | 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"         | 200 psi                  | 13.33 lb       |
| PVCBH12-34A3NA    |                   |                  | 300'   |                |                          | 39.99 lb       |
| PVCBH58-891ANA    | 0.625"<br>(5/8")  | 0.891"           | 100'   | 0.133"         | 200 psi                  | 15.93 lb       |
| PVCBH58-891A3NA   |                   |                  | 300'   |                |                          | 47.79 lb       |
| PVCBH34-103ANA    | 0.750"<br>(3/4")  | 1.03"            | 100'   | 0.140"         | 150 psi                  | 20.72 lb       |
| PVCBH34-103A3NA   |                   |                  | 300'   |                |                          | 62.16 lb       |
| PVCBH1-1.3ANA     | 1.00"             | 1.30"            | 100'   | 0.150"         | 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"         | 100 psi                  | 45.50 lb       |
| PVCBH64-1.938ANA  | 1.50"<br>(1 1/2") | 1.93"            | 100'   | 0.215"         | 100 psi                  | 63.49 lb       |
| PVCBH2-2.492ANA** | 2.00"             | 2.49"            | 50'    | 0.245"         | 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



## Reinforced Polyurethane Air Hose

**ARMOR-AIR**



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

- Excellent Flexibility
- 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'  |            |            | 3              | 3/8" Male NPT Swivel    |
|          |               | 12                                 | 1/2" x 3/4"  | 100             | 100' |            |            | 4              | 1/2" Male NPT Swivel    |
|          |               |                                    |              | 250             | 250' |            |            | (Blank)        | No Fittings             |
|          |               |                                    |              | 500             | 500' |            |            | Q              | Premium Series (Auto)   |
|          |               |                                    |              |                 |      |            |            | E              | Economy Series (Manual) |
|          |               |                                    |              |                 |      |            |            | DF             | Safety-Slide™           |

| 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                 |

| Fitting Compatibility                              |  |
|----------------------------------------------------|--|
| H-Style Compression Replacement Fitting (Page 220) |  |

### Fractional Sizes (NPT and Bulk)

| Part Number  | ID            | OD             | Length | Bend Radius | Fittings             | Package Weight |
|--------------|---------------|----------------|--------|-------------|----------------------|----------------|
| PHB14-25CB2  | 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        |
| PBH14ACB     |               |                | 100'   |             | No Fittings          | 3.42 lb        |
| PBH14BCB     |               |                | 250'   |             |                      | 6.84 lb        |
| PBH14CCB     |               |                | 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        |
| PHB38-100CB2 |               |                | 100'   |             |                      | 5.63 lb        |
| PBH38-25CB3  |               |                | 25'    |             | 3/8" Male NPT Swivel | 1.41 lb        |
| PBH38-50CB3  |               |                | 50'    |             |                      | 2.81 lb        |
| PHB38-100CB3 |               |                | 100'   |             |                      | 5.63 lb        |
| PBH38ACB     |               |                | 100'   |             | No Fittings          | 5.88 lb        |
| PBH38BCB     |               |                | 250'   |             |                      | 11.75 lb       |
| PBH38CCB     |               |                | 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        |
| PBH12ACB     |               |                | 100'   |             | No Fittings          | 7.72 lb        |
| PBH12BCB     |               |                | 250'   |             |                      | 5.44 lb        |
| PBH12CCB     |               |                | 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)   | 226          |
| E                         | Economy Series (Manual) | 235          |
| DF                        | Safety-Slide™           | 238          |

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



Premium



Economy



Safety-Slide™

## Soft Polyurethane 60A Reinforced Air Hose



ATP's Soft-PU Hose features a 60A Durometer Reinforced Construction provides amazing flexibility and increased operator comfort.

- Ergonomic Solution for Assembly Environments
- Extreme Flexibility
- Supplied with Reusable Fittings
- Nickel-Plated Fittings Resist Tarnishing and Corrosion
- Bend Restrictors Prevent Kinking
- Available with Fittings or in Bulk

### SH 6.5 - 25 LG 2

| Specifications           |                              |
|--------------------------|------------------------------|
| Temperature Range        | 23°F to 140°F                |
| Max. Working Pressure    | 120 psi                      |
| Hardness                 | Shore 60A                    |
| 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                 |

| Material |         | Inside Diameter |       | Package Lengths |      | Color Code |             | Fitting Option |                      |
|----------|---------|-----------------|-------|-----------------|------|------------|-------------|----------------|----------------------|
| SH       | Soft-PU | 6.5             | 1/4"  | 25              | 25'  | LG         | Light Green | 2              | 1/4" Male NPT Swivel |
|          |         | 8               | 5/16" | 50              | 50'  | NB         | Navy Blue   | 3              | 3/8" Male NPT Swivel |
|          |         | 11              | 7/16" | 100             | 100' | OR         | Orange      | (Blank)        | No Fittings          |
|          |         | 1/2             | 1/2"  | A               | 25m  | GY         | Gray        |                |                      |
|          |         |                 |       | B               | 50m  |            |             |                |                      |
|          |         |                 |       | C               | 100m |            |             |                |                      |

| Fitting Compatibility                              |
|----------------------------------------------------|
| SH-Style Compression Replacement Fitting(page 221) |

### Fractional Sizes

| Part Number<br>(Add Color) | I.D.<br>(Nominal) | Length | Bend<br>Radius | Fittings                | Available<br>Colors                                                                                                                                                                                                                                               | Package<br>Weight |
|----------------------------|-------------------|--------|----------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| SH6.5-25_2                 | 1/4"              | 25'    | 1.57"          | 1/4" Male<br>NPT Swivel |                                                                                         | 1.05 lb           |
| SH6.5-50_2                 |                   | 50'    |                |                         |                                                                                                                                                                                                                                                                   | 2.09 lb           |
| SH6.5-100_2                |                   | 100'   |                |                         |                                                                                                                                                                                                                                                                   | 4.19 lb           |
| SH6.5A_                    |                   | 25m    |                | No Fittings             |                                                                                                                                                                                                                                                                   | 1.41 lb           |
| SH6.5B_                    |                   | 50m    |                |                         |                                                                                                                                                                                                                                                                   | 2.81 lb           |
| SH6.5C_                    |                   | 100m   |                |                         |                                                                                                                                                                                                                                                                   | 5.63 lb           |
| SH8-25_2                   | 5/16"             | 25'    | 2.00"          | 1/4" Male<br>NPT Rigid  |    | 2.36 lb           |
| SH8-50_2                   |                   | 50'    |                |                         |                                                                                                                                                                                                                                                                   | 4.72 lb           |
| SH8-100_2                  |                   | 100'   |                |                         |                                                                                                                                                                                                                                                                   | 9.44 lb           |
| SH8A_                      |                   | 25m    |                | No Fittings             |                                                                                                                                                                                                                                                                   | 3.42 lb           |
| SH8B_                      |                   | 50m    |                |                         |                                                                                                                                                                                                                                                                   | 6.84 lb           |
| SH8C_                      |                   | 100m   |                |                         |                                                                                                                                                                                                                                                                   | 13.69 lb          |
| SH11-25-3                  | 7/16"             | 25'    | 2.56"          | 3/8" Male<br>NPT Rigid  |    | 5.88 lb           |
| SH11-50-3                  |                   | 50'    |                |                         |                                                                                                                                                                                                                                                                   | 11.75 lb          |
| SH11-100-3                 |                   | 100'   |                |                         |                                                                                                                                                                                                                                                                   | 23.50 lb          |
| SH11A_                     |                   | 25m    |                | No Fittings             |                                                                                                                                                                                                                                                                   | 7.72 lb           |
| SH11B_                     |                   | 50m    |                |                         |                                                                                                                                                                                                                                                                   | 15.44 lb          |
| SH11C_                     |                   | 100m   |                |                         |                                                                                                                                                                                                                                                                   | 30.88 lb          |

# Tubing & Hose



## 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 in Assemblies or 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 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 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 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'    | 2.64"       | 1/2" Male NPT Rigid | 1.13 lb        |
| 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       |

#### 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 221)

## 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)   | 226          |
| E                         | Economy Series (Manual) | 235          |
| DF                        | Safety-Slide™           | 238          |

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



Premium



Economy



Safety-Slide™

# Bonded Tubing & Spirals



# Bonded Tubing



## General Bonded Tubing Information

Advanced Technology Products manufactures Technibond® bonded tubing from Surethane™ 98A Polyurethane. All Technibond® tubing can be separated in three easy steps.

---

### Step 1:

Using a scissor or tubing cutter, make a small cut on a bonded section of tubing. Make a note of how far back this initial cut is.



---

### Step 2:

Pull bonded tubing sections apart enough to allow desired connections to be made.



---

### Step 3:

Trim initial split section from bonded tubing section.



# 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

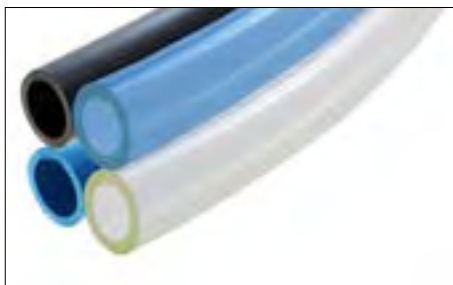
| Number of Tubes |        |
|-----------------|--------|
| 2               | 2 Bore |
| 3               | 3 Bore |
| 4               | 4 Bore |

| Model |               |
|-------|---------------|
| MP    | Bonded 98A PU |

| Tube OD |       |
|---------|-------|
| 532     | 5/32" |
| 14      | 1/4"  |
| 38      | 3/8"  |
| 12      | 1/2"  |
| 04M     | 4mm   |
| 06M     | 6mm   |
| 08M     | 8mm   |
| 10M     | 10mm  |
| 12M     | 12mm  |

| Length (Fractional) |          |
|---------------------|----------|
| A                   | 25 ft    |
| B                   | 50 ft    |
| C                   | 100 ft   |
| D                   | 250 ft   |
| E                   | 500 ft   |
| F                   | 1,000 ft |
| Length (Metric)     |          |
| 50                  | 50 ft    |
| A                   | 10m      |
| B                   | 20m      |
| C                   | 50m      |
| D                   | 100m     |
| E                   | 200m     |
| F                   | 300m     |

| Color (2 Bore Only) |                  |
|---------------------|------------------|
| 01                  | Black/Clear Blue |
| 02                  | Light Blue/Clear |



| 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 52 - 173) |
| Compression                                |
| Hose-Barb (Page 251)                       |



# Bonded Tubing



## Technibond® 2 Bore Fractional Sizes

| Model        | OD                | ID                | Length | Wall Thickness | Bend Radius | Working Pressure @ 75°F | Colors                  | Stock | Package Weight |
|--------------|-------------------|-------------------|--------|----------------|-------------|-------------------------|-------------------------|-------|----------------|
| 2MP-532-A-01 | 0.156"<br>(5/32") | 0.093"<br>(3/32") | 25'    | 0.031"         | 0.200"      | 240 psi                 | Black,<br>Clear<br>Blue | ×     | 0.34 lb        |
| 2MP-532-B-01 |                   |                   | 50'    |                |             |                         |                         | LQ    | 0.70 lb        |
| 2MP-532-C-01 |                   |                   | 100'   |                |             |                         |                         | LQ    | 1.40 lb        |
| 2MP-532-D-01 |                   |                   | 250'   |                |             |                         |                         | ×     | 3.50 lb        |
| 2MP-532-E-01 |                   |                   | 500'   |                |             |                         |                         | ×     | 7.00 lb        |
| 2MP-532-F-01 |                   |                   | 1,000' |                |             |                         |                         | ×     | 14.00 lb       |
| 2MP-532-A-02 |                   |                   | 25'    |                |             |                         | Light<br>Blue,<br>Clear | LQ    | 0.34 lb        |
| 2MP-532-B-02 |                   |                   | 50'    |                |             |                         |                         | ×     | 0.70 lb        |
| 2MP-532-C-02 |                   |                   | 100'   |                |             |                         |                         | LQ    | 1.40 lb        |
| 2MP-532-D-02 |                   |                   | 250'   |                |             |                         |                         | ×     | 3.50 lb        |
| 2MP-532-E-02 |                   |                   | 500'   |                |             |                         |                         | ×     | 7.00 lb        |
| 2MP-532-F-02 |                   |                   | 1,000' |                |             |                         |                         | ×     | 14.00 lb       |
| 2MP-14-A-01  | 0.250"<br>(1/4")  | 0.156"<br>(5/32)  | 25'    | 0.047"         | 0.476"      | 180 psi                 | Black,<br>Clear<br>Blue | ×     | 0.75 lb        |
| 2MP-14-B-01  |                   |                   | 50'    |                |             |                         |                         | ✓     | 1.55 lb        |
| 2MP-14-C-01  |                   |                   | 100'   |                |             |                         |                         | ✓     | 3.10 lb        |
| 2MP-14-D-01  |                   |                   | 250'   |                |             |                         |                         | LQ    | 7.50 lb        |
| 2MP-14-E-01  |                   |                   | 500'   |                |             |                         |                         | LQ    | N/A            |
| 2MP-14-F-01  |                   |                   | 1,000' |                |             |                         |                         | LQ    | N/A            |
| 2MP-14-A-02  |                   |                   | 25'    |                |             |                         | Light<br>Blue,<br>Clear | ×     | 0.75 lb        |
| 2MP-14-B-02  |                   |                   | 50'    |                |             |                         |                         | ×     | 1.55 lb        |
| 2MP-14-C-02  |                   |                   | 100'   |                |             |                         |                         | LQ    | 3.10 lb        |
| 2MP-14-D-02  |                   |                   | 250'   |                |             |                         |                         | ×     | 7.50 lb        |
| 2MP-14-E-02  |                   |                   | 500'   |                |             |                         |                         | ×     | N/A            |
| 2MP-14-F-02  |                   |                   | 1,000' |                |             |                         |                         | ×     | N/A            |
| 2MP-38-A-01  | 0.375"<br>(3/8")  | 0.250"<br>(1/4")  | 25'    | 0.063"         | 1.000"      | 150 psi                 | Black,<br>Clear<br>Blue | ×     | 1.70 lb        |
| 2MP-38-B-01  |                   |                   | 50'    |                |             |                         |                         | LQ    | 3.40 lb        |
| 2MP-38-C-01  |                   |                   | 100'   |                |             |                         |                         | LQ    | 6.80 lb        |
| 2MP-38-D-01  |                   |                   | 250'   |                |             |                         |                         | LQ    | 17.00 lb       |
| 2MP-38-A-02  |                   |                   | 25'    |                |             |                         | Light<br>Blue,<br>Clear | LQ    | 1.70 lb        |
| 2MP-38-B-02  |                   |                   | 50'    |                |             |                         |                         | ×     | 3.40 lb        |
| 2MP-38-C-02  |                   |                   | 100'   |                |             |                         |                         | ×     | 6.80 lb        |
| 2MP-38-D-02  |                   |                   | 250'   |                |             |                         |                         | ×     | 17.00 lb       |
| 2MP-12-A-01  | 0.500"<br>(1/2")  | 0.328"<br>(21/64) | 25'    | 0.086"         | 1.102"      | 150 psi                 | Black,<br>Clear<br>Blue | ×     | 2.55 lb        |
| 2MP-12-B-01  |                   |                   | 50'    |                |             |                         |                         | LQ    | 5.10 lb        |
| 2MP-12-C-01  |                   |                   | 100'   |                |             |                         |                         | ×     | 10.20 lb       |
| 2MP-12-A-02  |                   |                   | 25'    |                |             |                         | Light<br>Blue,<br>Clear | ×     | 2.55 lb        |
| 2MP-12-B-02  |                   |                   | 50'    |                |             |                         |                         | ×     | 5.10 lb        |
| 2MP-12-C-02  |                   |                   | 100'   |                |             |                         |                         | ×     | 10.20 lb       |

✓: Stocked Assembly, LQ Limited Quantities Available, ×: Non-Stock (Contact ATP)



# Bonded Tubing



## Technibond® 2 Bore Metric Sizes

| Model         | OD  | ID    | Length | Wall Thickness | Bend Radius | Working Pressure @ 75°F | Colors            | Stock | Package Weight |
|---------------|-----|-------|--------|----------------|-------------|-------------------------|-------------------|-------|----------------|
| 2MP-04M-50-01 | 4mm | 2.4mm | 50'    | 0.78mm         | 6.35mm      | 200 psi (13,7 Bar)      | Black, Clear Blue | ✓     | 0.70 lb        |
| 2MP-04M-A-01  |     |       | 10m    |                |             |                         |                   | ✗     | 0.46 lb        |
| 2MP-04M-B-01  |     |       | 20m    |                |             |                         |                   | LQ    | 0.92 lb        |
| 2MP-04M-C-01  |     |       | 50m    |                |             |                         |                   | ✗     | 2.30 lb        |
| 2MP-04M-D-01  |     |       | 100m   |                |             |                         |                   | LQ    | 4.60 lb        |
| 2MP-04M-E-01  |     |       | 200m   |                |             |                         |                   | ✗     | 9.20 lb        |
| 2MP-04M-F-01  |     |       | 300m   |                |             |                         |                   | ✗     | 13.80 lb       |
| 2MP-04M-50-02 |     |       | 50'    |                |             |                         | Light Blue, Clear | ✗     | 0.70 lb        |
| 2MP-04M-A-02  |     |       | 10m    |                |             |                         |                   | ✗     | 0.46 lb        |
| 2MP-04M-B-02  |     |       | 20m    |                |             |                         |                   | ✗     | 0.92 lb        |
| 2MP-04M-C-02  |     |       | 50m    |                |             |                         |                   | ✗     | 2.30 lb        |
| 2MP-04M-D-02  |     |       | 100m   |                |             |                         |                   | ✗     | 4.60 lb        |
| 2MP-04M-E-02  |     |       | 200m   |                |             |                         |                   | ✗     | 9.20 lb        |
| 2MP-04M-F-02  |     |       | 300m   |                |             |                         |                   | ✗     | 13.80 lb       |
| 2MP-06M-50-01 | 6mm | 4mm   | 50'    | 1.00mm         | 12.00mm     | 180 psi (12,4 Bar)      | Black, Clear Blue | ✓     | 1.30 lb        |
| 2MP-06M-A-01  |     |       | 10m    |                |             |                         |                   | ✗     | 0.85 lb        |
| 2MP-06M-B-01  |     |       | 20m    |                |             |                         |                   | LQ    | 1.71 lb        |
| 2MP-06M-C-01  |     |       | 50m    |                |             |                         |                   | LQ    | 4.28 lb        |
| 2MP-06M-D-01  |     |       | 100m   |                |             |                         |                   | LQ    | 8.56 lb        |
| 2MP-06M-E-01  |     |       | 200m   |                |             |                         |                   | LQ    | 17.12 lb       |
| 2MP-06M-F-01  |     |       | 300m   |                |             |                         |                   | ✗     | 25.68 lb       |
| 2MP-06M-50-02 |     |       | 50'    |                |             |                         | Light Blue, Clear | ✗     | 1.30 lb        |
| 2MP-06M-A-02  |     |       | 10m    |                |             |                         |                   | ✗     | 0.85 lb        |
| 2MP-06M-B-02  |     |       | 20m    |                |             |                         |                   | ✗     | 1.71 lb        |
| 2MP-06M-C-02  |     |       | 50m    |                |             |                         |                   | ✗     | 4.28 lb        |
| 2MP-06M-D-02  |     |       | 100m   |                |             |                         |                   | LQ    | 8.56 lb        |
| 2MP-06M-E-02  |     |       | 200m   |                |             |                         |                   | ✗     | 17.12 lb       |
| 2MP-06M-F-02  |     |       | 300m   |                |             |                         |                   | ✗     | 25.68 lb       |

✓: Stocked Assembly, LQ Limited Quantities Available, ✗: Non-Stock (Contact ATP)

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



# Bonded Tubing



## Technibond® 2 Bore Metric Sizes (continued)

| Model         | OD   | ID    | Length | Wall Thickness | Bend Radius | Working Pressure @ 75°F | Colors             | Stock | Package Weight |
|---------------|------|-------|--------|----------------|-------------|-------------------------|--------------------|-------|----------------|
| 2MP-08M-50-01 | 8mm  | 4.7mm | 50'    | 1.60mm         | 15mm        | 175 psi (12 Bar)        | Black, Clear, Blue | ✓     | 2.60 lb        |
| 2MP-08M-A-01  |      |       | 10m    |                |             |                         |                    | ×     | 1.71 lb        |
| 2MP-08M-B-01  |      |       | 20m    |                |             |                         |                    | ×     | 3.41 lb        |
| 2MP-08M-C-01  |      |       | 50m    |                |             |                         |                    | ×     | 8.53 lb        |
| 2MP-08M-D-01  |      |       | 100m   |                |             |                         |                    | ×     | 17.06 lb       |
| 2MP-08M-E-01  |      |       | 200m   |                |             |                         |                    | ×     | 34.12 lb       |
| 2MP-08M-F-01  |      |       | 300m   |                |             |                         |                    | ×     | 51.18 lb       |
| 2MP-08M-50-02 |      |       | 50'    |                |             |                         | Light Blue, Clear  | ×     | 2.60 lb        |
| 2MP-08M-A-02  |      |       | 10m    |                |             |                         |                    | ×     | 1.71 lb        |
| 2MP-08M-B-02  |      |       | 20m    |                |             |                         |                    | ×     | 3.41 lb        |
| 2MP-08M-C-02  |      |       | 50m    |                |             |                         |                    | ×     | 8.53 lb        |
| 2MP-08M-D-02  |      |       | 100m   |                |             |                         |                    | LQ    | 17.06 lb       |
| 2MP-08M-E-02  |      |       | 200m   |                |             |                         |                    | ×     | 34.12 lb       |
| 2MP-08M-F-02  |      |       | 300m   |                |             |                         |                    | ×     | 51.18 lb       |
| 2MP-10M-50-01 | 10mm | 6.5mm | 50'    | 1.75mm         | 25mm        | 150 psi (10,3 Bar)      | Black, Clear, Blue | LQ    | 3.90 lb        |
| 2MP-10M-A-01  |      |       | 10m    |                |             |                         |                    | ×     | 2.56 lb        |
| 2MP-10M-B-01  |      |       | 20m    |                |             |                         |                    | ×     | 5.12 lb        |
| 2MP-10M-C-01  |      |       | 50m    |                |             |                         |                    | ×     | 12.80 lb       |
| 2MP-10M-D-01  |      |       | 100m   |                |             |                         |                    | ×     | 25.60 lb       |
| 2MP-10M-50-02 |      |       | 50'    |                |             |                         | Light Blue, Clear  | ×     | 3.90 lb        |
| 2MP-10M-A-02  |      |       | 10m    |                |             |                         |                    | ×     | 2.56 lb        |
| 2MP-10M-B-02  |      |       | 20m    |                |             |                         |                    | ×     | 5.12 lb        |
| 2MP-10M-C-02  |      |       | 50m    |                |             |                         |                    | ×     | 12.80 lb       |
| 2MP-10M-D-02  |      |       | 100m   |                |             |                         |                    | ×     | 25.60 lb       |
| 2MP-12M-50-01 | 12mm | 8mm   | 50'    | 2.00mm         | 28mm        | 150 psi (10,3 Bar)      | Black, Clear, Blue | LQ    | 5.30 lb        |
| 2MP-12M-A-01  |      |       | 10m    |                |             |                         |                    | ×     | 3.48 lb        |
| 2MP-12M-B-01  |      |       | 20m    |                |             |                         |                    | ×     | 6.96 lb        |
| 2MP-12M-C-01  |      |       | 50m    |                |             |                         |                    | ×     | 17.40 lb       |
| 2MP-12M-D-01  |      |       | 100m   |                |             |                         |                    | ×     | N/A            |
| 2MP-12M-50-02 |      |       | 50'    |                |             |                         | Light Blue, Clear  | ×     | 5.30 lb        |
| 2MP-12M-A-02  |      |       | 10m    |                |             |                         |                    | ×     | 3.48 lb        |
| 2MP-12M-B-02  |      |       | 20m    |                |             |                         |                    | ×     | 6.96 lb        |
| 2MP-12M-C-02  |      |       | 50m    |                |             |                         |                    | ×     | 17.40 lb       |
| 2MP-12M-D-02  |      |       | 100m   |                |             |                         |                    | ×     | N/A            |

✓: Stocked Assembly, LQ Limited Quantities Available, ×: Non-Stock (Contact ATP)

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



# Bonded Tubing



## Technibond® 3 Bore Fractional & Metric Sizes

| Model      | OD                | ID                 | Length | Wall Thickness | Bend Radius | Working Pressure @ 75°F | Colors                              | Stock | Package Weight |
|------------|-------------------|--------------------|--------|----------------|-------------|-------------------------|-------------------------------------|-------|----------------|
| 3MP-532-A  | 0.156"<br>(5/32") | 0.093"<br>(3/32")  | 25'    | 0.031"         | 0.20"       | 240 psi                 | Black,<br>Clear Blue,<br>Light Blue | ×     | 0.53 lb        |
| 3MP-532-B  |                   |                    | 50'    |                |             |                         |                                     | ×     | 0.95 lb        |
| 3MP-532-C  |                   |                    | 100'   |                |             |                         |                                     | ×     | 2.10 lb        |
| 3MP-532-D  |                   |                    | 250'   |                |             |                         |                                     | ×     | 5.25 lb        |
| 3MP-532-E  |                   |                    | 500'   |                |             |                         |                                     | ×     | 10.50 lb       |
| 3MP-14-A   | 0.250"<br>(1/4")  | 0.156"<br>(5/32")  | 25'    | 0.047"         | 0.47"       | 180 psi                 | Black,<br>Clear Blue,<br>Light Blue | ×     | 1.13 lb        |
| 3MP-14-B   |                   |                    | 50'    |                |             |                         |                                     | ×     | 2.24 lb        |
| 3MP-14-C   |                   |                    | 100'   |                |             |                         |                                     | ×     | 4.50 lb        |
| 3MP-14-D   |                   |                    | 250'   |                |             |                         |                                     | ×     | 11.25 lb       |
| 3MP-14-E   |                   |                    | 500'   |                |             |                         |                                     | ×     | 22.50 lb       |
| 3MP-38-A   | 0.375"<br>(3/8")  | 0.250"<br>(1/4")   | 25'    | 0.063"         | 1.00"       | 150 psi                 | Black,<br>Clear Blue,<br>Light Blue | ×     | 2.55 lb        |
| 3MP-38-B   |                   |                    | 50'    |                |             |                         |                                     | ×     | 6.72 lb        |
| 3MP-38-C   |                   |                    | 100'   |                |             |                         |                                     | ×     | 10.20 lb       |
| 3MP-12-A   | 0.500"<br>(1/2")  | 0.328"<br>(21/64") | 25'    | 0.086"         | 1.10"       | 150 psi                 | Black,<br>Clear Blue,<br>Light Blue | ×     | 3.83 lb        |
| 3MP-12-B   |                   |                    | 50'    |                |             |                         |                                     | ×     | 8.03 lb        |
| 3MP-12-C   |                   |                    | 100'   |                |             |                         |                                     | ×     | 15.30 lb       |
| 3MP-04M-50 | 4mm               | 2.4mm              | 50'    | 0.78mm         | 6.35mm      | 200 psi<br>(13,7 Bar)   | Black,<br>Clear Blue,<br>Light Blue | ×     | 1.05 lb        |
| 3MP-04M-A  |                   |                    | 10m    |                |             |                         |                                     | ×     | 0.69 lb        |
| 3MP-04M-B  |                   |                    | 20m    |                |             |                         |                                     | ×     | 1.38 lb        |
| 3MP-04M-C  |                   |                    | 50m    |                |             |                         |                                     | ×     | 3.45 lb        |
| 3MP-04M-D  |                   |                    | 100m   |                |             |                         |                                     | ×     | 6.90 lb        |
| 3MP-04M-E  |                   |                    | 200m   |                |             |                         |                                     | ×     | 13.80 lb       |
| 3MP-06M-50 | 6mm               | 4mm                | 50'    | 1.00mm         | 12.00mm     | 180 psi<br>(12,4 Bar)   | Black,<br>Clear Blue,<br>Light Blue | ×     | 1.95 lb        |
| 3MP-06M-A  |                   |                    | 10m    |                |             |                         |                                     | ×     | 1.28 lb        |
| 3MP-06M-B  |                   |                    | 20m    |                |             |                         |                                     | ×     | 2.56 lb        |
| 3MP-06M-C  |                   |                    | 50m    |                |             |                         |                                     | ×     | 6.40 lb        |
| 3MP-06M-D  |                   |                    | 100m   |                |             |                         |                                     | ×     | 2.80 lb        |
| 2MP-06M-E  |                   |                    | 200m   |                |             |                         |                                     | ×     | 25.60 lb       |
| 3MP-08M-50 | 8mm               | 4.7mm              | 50'    | 1.60mm         | 15.00mm     | 175 psi<br>(12 Bar)     | Black,<br>Clear Blue,<br>Light Blue | ×     | 3.90 lb        |
| 3MP-08M-A  |                   |                    | 10m    |                |             |                         |                                     | ×     | 2.56 lb        |
| 3MP-08M-B  |                   |                    | 20m    |                |             |                         |                                     | ×     | 5.12 lb        |
| 3MP-08M-C  |                   |                    | 50m    |                |             |                         |                                     | ×     | 12.80 lb       |
| 3MP-08M-D  |                   |                    | 100m   |                |             |                         |                                     | ×     | 25.60 lb       |
| 3MP-08M-E  |                   |                    | 200m   |                |             |                         |                                     | ×     | 51.20 lb       |
| 3MP-10M-50 | 10mm              | 6.5mm              | 50'    | 1.75mm         | 25.00mm     | 150 psi<br>(10,3 Bar)   | Black,<br>Clear Blue,<br>Light Blue | ×     | 5.85 lb        |
| 3MP-10M-A  |                   |                    | 10m    |                |             |                         |                                     | ×     | 3.84 lb        |
| 3MP-10M-B  |                   |                    | 20m    |                |             |                         |                                     | ×     | 7.68 lb        |
| 3MP-12M-50 | 12mm              | 8mm                | 50'    | 2.00mm         | 28.00mm     | 150 psi<br>(10,3 Bar)   | Black,<br>Clear Blue,<br>Light Blue | ×     | 7.95 lb        |
| 3MP-12M-A  |                   |                    | 10m    |                |             |                         |                                     | ×     | 5.22 lb        |
| 3MP-12M-B  |                   |                    | 20m    |                |             |                         |                                     | ×     | 10.44 lb       |

✓: Stocked Assembly, LQ Limited Quantities Available, ×: Non-Stock (Contact ATP)



# Bonded Tubing



## Technibond® 4 Bore Fractional Sizes & Metric Sizes

| Model      | OD                | ID                 | Length | Wall Thickness | Bend Radius | Working Pressure @ 75°F | Colors                               | Stock | Package Weight |
|------------|-------------------|--------------------|--------|----------------|-------------|-------------------------|--------------------------------------|-------|----------------|
| 4MP-532-A  | 0.156"<br>(5/32") | 0.093"<br>(3/32")  | 25'    | 0.031"         | 0.25"       | 200 psi                 | Black, Clear Blue, Light Blue, Clear | ×     | 0.70 lb        |
| 4MP-532-B  |                   |                    | 50'    |                |             |                         |                                      | ×     | 1.40 lb        |
| 4MP-532-C  |                   |                    | 100'   |                |             |                         |                                      | ×     | 2.80 lb        |
| 4MP-532-D  |                   |                    | 250'   |                |             |                         |                                      | ×     | 7.00 lb        |
| 4MP-532-E  |                   |                    | 500'   |                |             |                         |                                      | ×     | 14.00 lb       |
| 4MP-14-A   | 0.250"<br>(1/4")  | 0.156"<br>(5/32")  | 25'    | 0.047"         | 0.47"       | 180 psi                 | Black, Clear Blue, Light Blue, Clear | ×     | 1.50 lb        |
| 4MP-14-B   |                   |                    | 50'    |                |             |                         |                                      | ×     | 2.93 lb        |
| 4MP-14-C   |                   |                    | 100'   |                |             |                         |                                      | ×     | 6.00 lb        |
| 4MP-38-A   | 0.375"<br>(3/8")  | 0.250"<br>(1/4")   | 25'    | 0.063"         | 1.00"       | 150 psi                 | Black, Clear Blue, Light Blue, Clear | ×     | 3.40 lb        |
| 4MP-38-B   |                   |                    | 50'    |                |             |                         |                                      | ×     | 6.56 lb        |
| 4MP-38-C   |                   |                    | 100'   |                |             |                         |                                      | ×     | 13.60 lb       |
| 4MP-12-A   | 0.500"<br>(1/2")  | 0.328"<br>(21/64") | 25'    | 0.086"         | 1.10"       | 150 psi                 | Black, Clear Blue, Light Blue, Clear | ×     | 5.10 lb        |
| 4MP-12-B   |                   |                    | 50'    |                |             |                         |                                      | ×     | 10.20 lb       |
| 4MP-04M-50 | 4mm               | 2.4mm              | 50'    | 0.78mm         | 6.35mm      | 200 psi<br>(13,7 Bar)   | Black, Clear Blue, Light Blue, Clear | ×     | 1.40 lb        |
| 4MP-04M-A  |                   |                    | 10m    |                |             |                         |                                      | ×     | 0.92 lb        |
| 4MP-04M-B  |                   |                    | 20m    |                |             |                         |                                      | ×     | 1.84 lb        |
| 4MP-04M-C  |                   |                    | 50m    |                |             |                         |                                      | ×     | 4.60 lb        |
| 4MP-04M-D  |                   |                    | 100m   |                |             |                         |                                      | ×     | 9.20 lb        |
| 4MP-04M-E  |                   |                    | 200m   |                |             |                         |                                      | ×     | 18.40 lb       |
| 4MP-06M-50 | 6mm               | 4mm                | 50'    | 1.00mm         | 12.00mm     | 180 psi<br>(12,4 Bar)   | Black, Clear Blue, Light Blue, Clear | ×     | 2.60 lb        |
| 4MP-06M-A  |                   |                    | 10m    |                |             |                         |                                      | ×     | 1.71 lb        |
| 4MP-06M-B  |                   |                    | 20m    |                |             |                         |                                      | ×     | 3.42 lb        |
| 4MP-06M-C  |                   |                    | 50m    |                |             |                         |                                      | ×     | 8.55 lb        |
| 4MP-08M-50 | 8mm               | 5mm                | 50'    | 1.60mm         | 15.00mm     | 175 psi<br>(12 Bar)     | Black, Clear Blue, Light Blue, Clear | ×     | 5.20 lb        |
| 4MP-08M-A  |                   |                    | 10m    |                |             |                         |                                      | ×     | 3.41 lb        |
| 4MP-08M-B  |                   |                    | 20m    |                |             |                         |                                      | ×     | 6.82 lb        |
| 4MP-08M-C  |                   |                    | 50m    |                |             |                         |                                      | ×     | 17.05 lb       |
| 4MP-10M-50 | 10mm              | 6.5mm              | 50'    | 1.75mm         | 25.00mm     | 150 psi<br>(10,3 Bar)   | Black, Clear Blue, Light Blue, Clear | ×     | 7.80 lb        |
| 4MP-10M-A  |                   |                    | 10m    |                |             |                         |                                      | ×     | 5.12 lb        |
| 4MP-10M-B  |                   |                    | 20m    |                |             |                         |                                      | ×     | 10.24 lb       |
| 4MP-12M-50 | 12mm              | 8mm                | 50'    | 2.00mm         | 28.00mm     | 150 psi<br>(10,3 Bar)   | Black, Clear Blue, Light Blue, Clear | ×     | 10.60 lb       |
| 4MP-12M-A  |                   |                    | 10m    |                |             |                         |                                      | ×     | 6.96 lb        |
| 4MP-12M-B  |                   |                    | 20m    |                |             |                         |                                      | ×     | 13.92 lb       |

✓: Stocked Assembly, LQ Limited Quantities Available, ×: Non-Stock (Contact ATP)

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



# Bonded Spirals

**TECHNIBOND®**  
with Surethane™



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



**3 Bore**



**4 Bore**

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



## 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 MPS - 532 - 05 - 01**

| Number of Tubes |        |
|-----------------|--------|
| 2               | 2 Bore |
| 3               | 3 Bore |
| 4               | 4 Bore |

| Model |                      |
|-------|----------------------|
| MPS   | Bonded 98A PU Spiral |

| Tube OD |       |
|---------|-------|
| 532     | 5/32" |
| 14      | 1/4"  |
| 38      | 3/8"  |
| 12      | 1/2"  |
| 04M     | 4mm   |
| 06M     | 6mm   |
| 08M     | 8mm   |
| 10M     | 10mm  |
| 12M     | 12mm  |

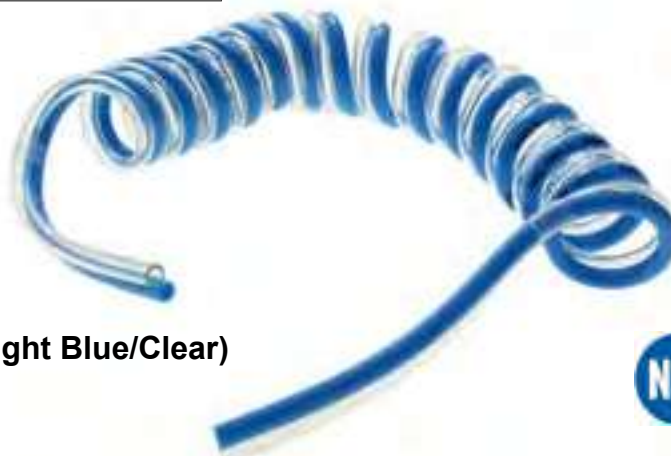
| Number of Turns |    |
|-----------------|----|
| 05              | 5  |
| 10              | 10 |
| 15              | 15 |
| 20              | 20 |
| 30              | 30 |
| 40              | 40 |

| Color (2 Bore Only) |                  |
|---------------------|------------------|
| 01                  | Black/Clear Blue |
| 02                  | Light Blue/Clear |

| 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 52 - 173) |
| Compression                                |
| Hose-Barb (Page 251)                       |



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



# Bonded Spirals



## Surethane™ Technibond® 2 Bore Spiral, Fractional Sizes

| Model          | OD                | ID                | Total Turns | Working Length | Compressed Length | Tail Length | Working Pressure @ 75°F | Spiral OD | Colors             | Stock | Package Weight |
|----------------|-------------------|-------------------|-------------|----------------|-------------------|-------------|-------------------------|-----------|--------------------|-------|----------------|
| 2MPS-532-05-01 | 0.156"<br>(5/32") | 0.093"<br>(3/32") | 5           | 1.20'          | 9.50"             | 4" & 4"     | 240 psi                 | 0.875"    | Black & Clear Blue | LQ    | 0.03 lb        |
| 2MPS-532-10-01 |                   |                   | 10          | 2.00'          | 11.12"            |             |                         |           |                    | LQ    | 0.04 lb        |
| 2MPS-532-15-01 |                   |                   | 15          | 2.70'          | 12.62"            |             |                         |           |                    | ×     | 0.05 lb        |
| 2MPS-532-20-01 |                   |                   | 20          | 3.50'          | 14.25"            |             |                         |           |                    | LQ    | 0.65 lb        |
| 2MPS-532-30-01 |                   |                   | 30          | 5.40'          | 17.50"            |             |                         |           |                    | LQ    | 0.79 lb        |
| 2MPS-532-40-01 |                   |                   | 40          | 6.50'          | 20.62"            |             |                         |           |                    | LQ    | 0.10 lb        |
| 2MPS-532-05-02 | 0.156"<br>(5/32") | 0.093"<br>(3/32") | 5           | 1.20'          | 9.50"             | 4" & 4"     | 240 psi                 | 0.875"    | Light Blue & Clear | ×     | 0.03 lb        |
| 2MPS-532-10-02 |                   |                   | 10          | 2.00'          | 11.12"            |             |                         |           |                    | ✓     | 0.04 lb        |
| 2MPS-532-15-02 |                   |                   | 15          | 2.70'          | 12.62"            |             |                         |           |                    | ×     | 0.05 lb        |
| 2MPS-532-20-02 |                   |                   | 20          | 3.50'          | 14.25"            |             |                         |           |                    | ✓     | 0.65 lb        |
| 2MPS-532-30-02 |                   |                   | 30          | 5.40'          | 17.50"            |             |                         |           |                    | LQ    | 0.79 lb        |
| 2MPS-532-40-02 |                   |                   | 40          | 6.50'          | 20.62"            |             |                         |           |                    | LQ    | 0.10 lb        |
| 2MPS-14-05-01  | 0.250"<br>(1/4")  | 0.156"<br>(5/32") | 5           | 1.70'          | 10.50"            | 4" & 4"     | 180 psi                 | 1.500"    | Black & Clear Blue | ✓     | 0.07 lb        |
| 2MPS-14-10-01  |                   |                   | 10          | 2.90'          | 13.00"            |             |                         |           |                    | ✓     | 0.12 lb        |
| 2MPS-14-15-01  |                   |                   | 15          | 4.00'          | 15.50"            |             |                         |           |                    | LQ    | 0.17 lb        |
| 2MPS-14-20-01  |                   |                   | 20          | 5.30'          | 18.00"            |             |                         |           |                    | LQ    | 0.23 lb        |
| 2MPS-14-30-01  |                   |                   | 30          | 7.60'          | 23.00"            |             |                         |           |                    | LQ    | 0.32 lb        |
| 2MPS-14-40-01  |                   |                   | 40          | 10.00'         | 28.00"            |             |                         |           |                    | ✓     | 0.43 lb        |
| 2MPS-14-05-02  | 0.250"<br>(1/4")  | 0.156"<br>(5/32") | 5           | 1.70'          | 10.50"            | 4" & 4"     | 180 psi                 | 1.500"    | Light Blue & Clear | ×     | 0.07 lb        |
| 2MPS-14-10-02  |                   |                   | 10          | 2.90'          | 13.00"            |             |                         |           |                    | ×     | 0.12 lb        |
| 2MPS-14-15-02  |                   |                   | 15          | 4.00'          | 15.50"            |             |                         |           |                    | ×     | 0.17 lb        |
| 2MPS-14-20-02  |                   |                   | 20          | 5.30'          | 18.00"            |             |                         |           |                    | LQ    | 0.23 lb        |
| 2MPS-14-30-02  |                   |                   | 30          | 7.60'          | 23.00"            |             |                         |           |                    | ×     | 0.32 lb        |
| 2MPS-14-40-02  |                   |                   | 40          | 10.00'         | 28.00"            |             |                         |           |                    | LQ    | 0.43 lb        |
| 2MPS-38-05-01  | 0.375"<br>(3/8")  | 0.250"<br>(1/4")  | 5           | 2.00'          | 11.75"            | 4" & 4"     | 150 psi                 | 2.000"    | Black & Clear Blue | LQ    | 0.17 lb        |
| 2MPS-38-10-01  |                   |                   | 10          | 3.60'          | 15.50"            |             |                         |           |                    | LQ    | 0.31 lb        |
| 2MPS-38-15-01  |                   |                   | 15          | 5.20'          | 19.25"            |             |                         |           |                    | LQ    | 0.45 lb        |
| 2MPS-38-20-01  |                   |                   | 20          | 6.70'          | 23.00"            |             |                         |           |                    | ×     | 0.57 lb        |
| 2MPS-38-30-01  |                   |                   | 30          | 9.80'          | 30.50"            |             |                         |           |                    | LQ    | 0.83 lb        |
| 2MPS-38-40-01  |                   |                   | 40          | 12.90'         | 38.00"            |             |                         |           |                    | LQ    | 1.10 lb        |
| 2MPS-38-05-02  | 0.375"<br>(3/8")  | 0.250"<br>(1/4")  | 5           | 2.00'          | 11.75"            | 4" & 4"     | 150 psi                 | 2.000"    | Light Blue & Clear | ×     | 0.17 lb        |
| 2MPS-38-10-02  |                   |                   | 10          | 3.60'          | 15.50"            |             |                         |           |                    | ×     | 0.31 lb        |
| 2MPS-38-15-02  |                   |                   | 15          | 5.20'          | 19.25"            |             |                         |           |                    | ×     | 0.45 lb        |
| 2MPS-38-20-02  |                   |                   | 20          | 6.70'          | 23.00"            |             |                         |           |                    | LQ    | 0.57 lb        |
| 2MPS-38-30-02  |                   |                   | 30          | 9.80'          | 30.50"            |             |                         |           |                    | ✓     | 0.83 lb        |
| 2MPS-38-40-02  |                   |                   | 40          | 12.90'         | 38.00"            |             |                         |           |                    | LQ    | 1.10 lb        |

✓: Stocked Assembly, LQ Limited Quantities Available, ×: Non-Stock (Contact ATP)

Note: See Back Cover or Website for Chemical Compatibility



# Bonded Spirals



## Surethane™ Technibond® 2 Bore Spiral - Fractional Sizes (continued)

| Model                                                                            | OD               | ID                 | Total Turns | Working Length | Compressed Length | Tail Length | Working Pressure @ 75°F | Spiral OD | Colors             | Stock | Package Weight |
|----------------------------------------------------------------------------------|------------------|--------------------|-------------|----------------|-------------------|-------------|-------------------------|-----------|--------------------|-------|----------------|
| 2MPS-12-05-01                                                                    | 0.500"<br>(1/2") | 0.328"<br>(21/64") | 5           | 2.60'          | 13.00"            | 4" & 4"     | 150 psi                 | 2.625"    | Black & Clear Blue | LQ    | 0.44 lb        |
| 2MPS-12-10- 01                                                                   |                  |                    | 10          | 4.70'          | 18.00"            |             |                         |           |                    | ×     | 0.79 lb        |
| 2MPS-12-15-01                                                                    |                  |                    | 15          | 6.70'          | 23.00"            |             |                         |           |                    | ×     | 1.12 lb        |
| 2MPS-12-20-01                                                                    |                  |                    | 20          | 8.77'          | 28.00"            |             |                         |           |                    | LQ    | 1.46 lb        |
| 2MPS-12-30-01                                                                    |                  |                    | 30          | 12.90'         | 38.00"            |             |                         |           |                    | ×     | 2.16 lb        |
| 2MPS-12-40-01                                                                    |                  |                    | 40          | 17.00'         | 48.00"            |             |                         |           |                    | ✓     | 2.83 lb        |
| 2MPS-12-05-02                                                                    | 0.500"<br>(1/2") | 0.328"<br>(21/64") | 5           | 2.60'          | 13.00"            | 4" & 4"     | 150 psi                 | 2.625"    | Light Blue & Clear | ×     | 0.44 lb        |
| 2MPS-12-10-02                                                                    |                  |                    | 10          | 4.70'          | 18.00"            |             |                         |           |                    | ×     | 0.79 lb        |
| 2MPS-12-15-02                                                                    |                  |                    | 15          | 6.70'          | 23.00"            |             |                         |           |                    | ×     | 1.12 lb        |
| 2MPS-12-20-02                                                                    |                  |                    | 20          | 8.77'          | 28.00"            |             |                         |           |                    | ×     | 1.46 lb        |
| 2MPS-12-30-02                                                                    |                  |                    | 30          | 12.90'         | 38.00"            |             |                         |           |                    | ×     | 2.16 lb        |
| 2MPS-12-40-02                                                                    |                  |                    | 40          | 17.00'         | 48.00"            |             |                         |           |                    | ×     | 2.83 lb        |
| ✓: Stocked Assembly, LQ Limited Quantities Available, ×: Non-Stock (Contact ATP) |                  |                    |             |                |                   |             |                         |           |                    |       |                |

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



# Bonded Spirals



## Technibond® 2 Bore Spiral, Metric Sizes

| Model          | OD  | ID    | Total Turns | Working Length | Compressed Length | Tail Length   | Working Pressure @ 75°F | Spiral OD | Colors             | Stock | Package Weight |
|----------------|-----|-------|-------------|----------------|-------------------|---------------|-------------------------|-----------|--------------------|-------|----------------|
| 2MPS-04M-05-01 | 4mm | 2.4mm | 5           | 37cm           | 24cm              | 100mm & 100mm | 200 psi (13,7 Bar)      | 24mm      | Black & Clear Blue | LQ    | 0.02 lb        |
| 2MPS-04M-10-01 |     |       | 10          | 60cm           | 28cm              |               |                         |           |                    | LQ    | 0.03 lb        |
| 2MPS-04M-15-01 |     |       | 15          | 82cm           | 32cm              |               |                         |           |                    | ✓     | 0.04 lb        |
| 2MPS-04M-20-01 |     |       | 20          | 105cm          | 36cm              |               |                         |           |                    | ✓     | 0.05 lb        |
| 2MPS-04M-30-01 |     |       | 30          | 151cm          | 44cm              |               |                         |           |                    | LQ    | 0.07 lb        |
| 2MPS-04M-40-01 |     |       | 40          | 197cm          | 52cm              |               |                         |           |                    | ✓     | 0.12 lb        |
| 2MPS-04M-05-02 | 4mm | 2.4mm | 5           | 37cm           | 24cm              | 100mm & 100mm | 200 psi (13,7 Bar)      | 24mm      | Light Blue & Clear | ×     | 0.02 lb        |
| 2MPS-04M-10-02 |     |       | 10          | 60cm           | 28cm              |               |                         |           |                    | ×     | 0.03 lb        |
| 2MPS-04M-15-02 |     |       | 15          | 82cm           | 32cm              |               |                         |           |                    | ×     | 0.04 lb        |
| 2MPS-04M-20-02 |     |       | 20          | 105cm          | 36cm              |               |                         |           |                    | ×     | 0.05 lb        |
| 2MPS-04M-30-02 |     |       | 30          | 151cm          | 44cm              |               |                         |           |                    | ×     | 0.07 lb        |
| 2MPS-04M-40-02 |     |       | 40          | 197cm          | 52cm              |               |                         |           |                    | ×     | 0.12 lb        |
| 2MPS-06M-05-01 | 6mm | 4mm   | 5           | 51cm           | 26cm              | 100mm & 100mm | 180 psi (12,4 Bar)      | 37mm      | Black & Clear Blue | LQ    | 0.07 lb        |
| 2MPS-06M-10-01 |     |       | 10          | 86cm           | 32cm              |               |                         |           |                    | LQ    | 0.10 lb        |
| 2MPS-06M-15-01 |     |       | 15          | 123cm          | 38cm              |               |                         |           |                    | LQ    | 0.17 lb        |
| 2MPS-06M-20-01 |     |       | 20          | 160cm          | 44cm              |               |                         |           |                    | ×     | 0.20 lb        |
| 2MPS-06M-30-01 |     |       | 30          | 230cm          | 56cm              |               |                         |           |                    | ✓     | 0.32 lb        |
| 2MPS-06M-40-01 |     |       | 40          | 302cm          | 68cm              |               |                         |           |                    | LQ    | 0.37 lb        |
| 2MPS-06M-05-02 | 6mm | 4mm   | 5           | 51cm           | 26cm              | 100mm & 100mm | 180 psi (12,4 Bar)      | 37mm      | Light Blue & Clear | ×     | 0.07 lb        |
| 2MPS-06M-10-02 |     |       | 10          | 86cm           | 32cm              |               |                         |           |                    | ×     | 0.10 lb        |
| 2MPS-06M-15-02 |     |       | 15          | 123cm          | 38cm              |               |                         |           |                    | ×     | 0.17 lb        |
| 2MPS-06M-20-02 |     |       | 20          | 160cm          | 44cm              |               |                         |           |                    | ✓     | 0.20 lb        |
| 2MPS-06M-30-02 |     |       | 30          | 230cm          | 56cm              |               |                         |           |                    | LQ    | 0.32 lb        |
| 2MPS-06M-40-02 |     |       | 40          | 302cm          | 68cm              |               |                         |           |                    | ✓     | 0.37 lb        |
| 2MPS-08M-05-01 | 8mm | 4.7mm | 5           | 53cm           | 28cm              | 100mm & 100mm | 175 psi (12 Bar)        | 41mm      | Black & Clear Blue | LQ    | 0.13 lb        |
| 2MPS-08M-10-01 |     |       | 10          | 91cm           | 36cm              |               |                         |           |                    | ×     | 0.20 lb        |
| 2MPS-08M-15-01 |     |       | 15          | 130cm          | 44cm              |               |                         |           |                    | LQ    | 0.29 lb        |
| 2MPS-08M-20-01 |     |       | 20          | 168cm          | 52cm              |               |                         |           |                    | LQ    | 0.38 lb        |
| 2MPS-08M-30-01 |     |       | 30          | 243cm          | 68cm              |               |                         |           |                    | ×     | 0.54 lb        |
| 2MPS-08M-40-01 |     |       | 40          | 320cm          | 84cm              |               |                         |           |                    | ×     | 0.71 lb        |
| 2MPS-08M-05-02 | 8mm | 4.7mm | 5           | 53cm           | 28cm              | 100mm & 100mm | 175 psi (12 Bar)        | 41mm      | Light Blue & Clear | ×     | 0.13 lb        |
| 2MPS-08M-10-02 |     |       | 10          | 91cm           | 36cm              |               |                         |           |                    | ×     | 0.20 lb        |
| 2MPS-08M-15-02 |     |       | 15          | 130cm          | 44cm              |               |                         |           |                    | ×     | 0.29 lb        |
| 2MPS-08M-20-02 |     |       | 20          | 168cm          | 52cm              |               |                         |           |                    | LQ    | 0.38 lb        |
| 2MPS-08M-30-02 |     |       | 30          | 243cm          | 68cm              |               |                         |           |                    | ×     | 0.54 lb        |
| 2MPS-08M-40-02 |     |       | 40          | 320cm          | 84cm              |               |                         |           |                    | LQ    | 0.71 lb        |

✓: Stocked Assembly, LQ Limited Quantities Available, ×: Non-Stock (Contact ATP)

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



# Bonded Spirals



**Technibond® 2 Bore Spiral, Metric Sizes (continued)**

| Model          | OD   | ID    | Total Turns | Working Length | Compressed Length | Tail Length   | Working Pressure @ 75°F | Spiral OD | Colors             | Stock | Package Weight |
|----------------|------|-------|-------------|----------------|-------------------|---------------|-------------------------|-----------|--------------------|-------|----------------|
| 2MPS-10M-05-01 | 10mm | 6.5mm | 5           | 62cm           | 30cm              | 100mm & 100mm | 150 psi (10,3 Bar)      | 52mm      | Black & Clear Blue | ×     | 0.23 lb        |
| 2MPS-10M-10-01 |      |       | 10          | 110cm          | 40cm              |               |                         |           |                    | ×     | 0.35 lb        |
| 2MPS-10M-15-01 |      |       | 15          | 160cm          | 50cm              |               |                         |           |                    | ×     | 0.48 lb        |
| 2MPS-10M-20-01 |      |       | 20          | 205cm          | 60cm              |               |                         |           |                    | LQ    | 0.64 lb        |
| 2MPS-10M-30-01 |      |       | 30          | 301cm          | 80cm              |               |                         |           |                    | ×     | 0.95 lb        |
| 2MPS-10M-40-01 |      |       | 40          | 396cm          | 100cm             |               |                         |           |                    | ✓     | 1.20 lb        |
| 2MPS-10M-05-02 | 10mm | 6.5mm | 5           | 62cm           | 30cm              | 100mm & 100mm | 150 psi (10,3 Bar)      | 52mm      | Light Blue & Clear | ×     | 0.23 lb        |
| 2MPS-10M-10-02 |      |       | 10          | 110cm          | 40cm              |               |                         |           |                    | ×     | 0.35 lb        |
| 2MPS-10M-15-02 |      |       | 15          | 160cm          | 50cm              |               |                         |           |                    | ×     | 0.48 lb        |
| 2MPS-10M-20-02 |      |       | 20          | 205cm          | 60cm              |               |                         |           |                    | ✓     | 0.64 lb        |
| 2MPS-10M-30-02 |      |       | 30          | 301cm          | 80cm              |               |                         |           |                    | ×     | 0.95 lb        |
| 2MPS-10M-40-02 |      |       | 40          | 396cm          | 100cm             |               |                         |           |                    | ✓     | 1.20 lb        |
| 2MPS-12M-05-01 | 12mm | 8mm   | 5           | 78cm           | 32cm              | 100mm & 100mm | 150 psi (10,3 Bar)      | 66mm      | Black & Clear Blue | LQ    | 0.38 lb        |
| 2MPS-12M-10-01 |      |       | 10          | 138cm          | 44cm              |               |                         |           |                    | ×     | 0.62 lb        |
| 2MPS-12M-15-01 |      |       | 15          | 200cm          | 56cm              |               |                         |           |                    | ×     | 0.92 lb        |
| 2MPS-12M-20-01 |      |       | 20          | 262cm          | 68cm              |               |                         |           |                    | ×     | 1.15 lb        |
| 2MPS-12M-30-01 |      |       | 30          | 387cm          | 92cm              |               |                         |           |                    | ×     | 1.79 lb        |
| 2MPS-12M-40-01 |      |       | 40          | 512cm          | 116cm             |               |                         |           |                    | ×     | 2.24 lb        |
| 2MPS-12M-05-02 | 12mm | 8mm   | 5           | 78cm           | 32cm              | 100mm & 100mm | 150 psi (10,3 Bar)      | 66mm      | Light Blue & Clear | ×     | 0.38 lb        |
| 2MPS-12M-10-02 |      |       | 10          | 138cm          | 44cm              |               |                         |           |                    | ×     | 0.62 lb        |
| 2MPS-12M-15-02 |      |       | 15          | 200cm          | 56cm              |               |                         |           |                    | ×     | 0.92 lb        |
| 2MPS-12M-20-02 |      |       | 20          | 262cm          | 68cm              |               |                         |           |                    | ×     | 1.15 lb        |
| 2MPS-12M-30-02 |      |       | 30          | 387cm          | 92cm              |               |                         |           |                    | ×     | 1.79 lb        |
| 2MPS-12M-40-02 |      |       | 40          | 512cm          | 116cm             |               |                         |           |                    | ×     | 2.24 lb        |

✓: Stocked Assembly, LQ Limited Quantities Available, ×: Non-Stock (Contact ATP)

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



# Bonded Spirals



## Technibond® 3 Bore Spiral, Fractional Sizes

| Model                      | OD                | ID                 | Total Turns | Working Length | Compressed Length | Tail Length | Working Pressure @ 75°F | Spiral OD | Colors                         | Stock | Package Weight |
|----------------------------|-------------------|--------------------|-------------|----------------|-------------------|-------------|-------------------------|-----------|--------------------------------|-------|----------------|
| 3MPS-532-05                | 0.156"<br>(5/32") | 0.093"<br>(3/32")  | 5           | 1.50'          | 10.37"            | 4" & 4"     | 240 psi                 | 0.875"    | Black, Clear Blue & Light Blue | ×     | 0.04 lb        |
| 3MPS-532-10                |                   |                    | 10          | 2.50'          | 12.75"            |             |                         |           |                                | ×     | 0.06 lb        |
| 3MPS-532-15                |                   |                    | 15          | 3.50'          | 15.00"            |             |                         |           |                                | ×     | 0.08 lb        |
| 3MPS-532-20                |                   |                    | 20          | 4.40'          | 17.37"            |             |                         |           |                                | ×     | 0.10 lb        |
| 3MPS-532-30                |                   |                    | 30          | 6.40'          | 22.25"            |             |                         |           |                                | ×     | 0.14 lb        |
| 3MPS-532-40                |                   |                    | 40          | 8.30'          | 27.00"            |             |                         |           |                                | ×     | 0.23 lb        |
| 3MPS-14-05                 | 0.250"<br>(1/4")  | 0.156"<br>(5/32")  | 5           | 2.00'          | 11.75"            | 4" & 4"     | 180 psi                 | 1.500"    | Black, Clear Blue & Light Blue | ×     | 0.13 lb        |
| 3MPS-14-10                 |                   |                    | 10          | 3.40'          | 15.50"            |             |                         |           |                                | ×     | 0.22 lb        |
| 3MPS-14-15                 |                   |                    | 15          | 4.80'          | 19.25"            |             |                         |           |                                | ×     | 0.30 lb        |
| 3MPS-14-20                 |                   |                    | 20          | 6.30'          | 23.00"            |             |                         |           |                                | ×     | 0.40 lb        |
| 3MPS-14-30                 |                   |                    | 30          | 9.10'          | 30.50"            |             |                         |           |                                | ×     | 0.58 lb        |
| 3MPS-14-40                 |                   |                    | 40          | 11.95'         | 38.00"            |             |                         |           |                                | ×     | 0.76 lb        |
| 3MPS-38-05                 | 0.375"<br>(3/8")  | 0.250"<br>(1/4")   | 5           | 2.40'          | 13.62"            | 4" & 4"     | 150 psi                 | 2.000"    | Black, Clear Blue & Light Blue | ×     | 0.31 lb        |
| 3MPS-38-10                 |                   |                    | 10          | 4.40'          | 19.25"            |             |                         |           |                                | ×     | 0.57 lb        |
| 3MPS-38-15                 |                   |                    | 15          | 6.30'          | 24.87"            |             |                         |           |                                | ×     | 0.81 lb        |
| 3MPS-38-20                 |                   |                    | 20          | 8.30'          | 30.50"            |             |                         |           |                                | ×     | 1.06 lb        |
| 3MPS-38-30                 |                   |                    | 30          | 12.20'         | 41.75"            |             |                         |           |                                | ×     | 1.56 lb        |
| 3MPS-38-40                 |                   |                    | 40          | 16.00'         | 53.00"            |             |                         |           |                                | ×     | 2.05 lb        |
| 3MPS-12-05                 | 0.500"<br>(1/2")  | 0.328"<br>(21/64") | 5           | 3.20'          | 15.50"            | 4" & 4"     | 150 psi                 | 2.625"    | Black, Clear Blue & Light Blue | ×     | 0.81 lb        |
| 3MPS-12-10                 |                   |                    | 10          | 6.00'          | 23.00"            |             |                         |           |                                | ×     | 1.52 lb        |
| 3MPS-12-15                 |                   |                    | 15          | 8.70'          | 30.50"            |             |                         |           |                                | ×     | 2.20 lb        |
| 3MPS-12-20                 |                   |                    | 20          | 11.40'         | 38.00"            |             |                         |           |                                | ×     | 2.87 lb        |
| 3MPS-12-30                 |                   |                    | 30          | 16.80'         | 53.00"            |             |                         |           |                                | ×     | 4.23 lb        |
| 3MPS-12-40                 |                   |                    | 40          | 22.30'         | 68.00"            |             |                         |           |                                | ×     | 5.62 lb        |
| ×: Non-Stock (Contact ATP) |                   |                    |             |                |                   |             |                         |           |                                |       |                |

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



# Bonded Spirals



## Technibond® 3 Bore Spiral, Metric Sizes

| Model                                                                            | OD   | ID    | Total Turns | Working Length | Compressed Length | Tail Length   | Working Pressure @ 75°F | Spiral OD | Colors                         | Stock | Package Weight |
|----------------------------------------------------------------------------------|------|-------|-------------|----------------|-------------------|---------------|-------------------------|-----------|--------------------------------|-------|----------------|
| 3MPS-04M-05                                                                      | 4mm  | 2.4mm | 5           | 45cm           | 26cm              | 100mm & 100mm | 200 psi (13,7 Bar)      | 24mm      | Black, Clear Blue & Light Blue | ✓     | 0.04lb         |
| 3MPS-04M-10                                                                      |      |       | 10          | 75cm           | 32cm              |               |                         |           |                                | ✓     | 0.08 lb        |
| 3MPS-04M-15                                                                      |      |       | 15          | 105cm          | 38cm              |               |                         |           |                                | ✗     | 0.08 lb        |
| 3MPS-04M-20                                                                      |      |       | 20          | 135cm          | 44cm              |               |                         |           |                                | ✗     | 0.12 lb        |
| 3MPS-04M-30                                                                      |      |       | 30          | 194cm          | 56cm              |               |                         |           |                                | ✗     | 0.15 lb        |
| 3MPS-04M-40                                                                      |      |       | 40          | 254cm          | 68cm              |               |                         |           |                                | ✓     | 0.19 lb        |
| 3MPS-06M-05                                                                      | 6mm  | 4mm   | 5           | 58cm           | 29cm              | 100mm & 100mm | 180 psi (12,4 Bar)      | 37mm      | Black, Clear Blue & Light Blue | ✗     | 0.12 lb        |
| 3MPS-06M-10                                                                      |      |       | 10          | 93cm           | 38cm              |               |                         |           |                                | ✗     | 0.18 lb        |
| 3MPS-06M-15                                                                      |      |       | 15          | 145cm          | 47cm              |               |                         |           |                                | ✗     | 0.30 lb        |
| 3MPS-06M-20                                                                      |      |       | 20          | 190cm          | 56cm              |               |                         |           |                                | ✗     | 0.34 lb        |
| 3MPS-06M-30                                                                      |      |       | 30          | 274cm          | 74cm              |               |                         |           |                                | ✗     | 0.56 lb        |
| 3MPS-06M-40                                                                      |      |       | 40          | 360cm          | 92cm              |               |                         |           |                                | ✓     | 0.63 lb        |
| 3MPS-08M-05                                                                      | 8mm  | 4.7mm | 5           | 60cm           | 32cm              | 100mm & 100mm | 175 psi (12 Bar)        | 41mm      | Black, Clear Blue & Light Blue | ✓     | 0.22 lb        |
| 3MPS-08M-10                                                                      |      |       | 10          | 105cm          | 44cm              |               |                         |           |                                | ✗     | 0.39 lb        |
| 3MPS-08M-15                                                                      |      |       | 15          | 152cm          | 56cm              |               |                         |           |                                | ✗     | 0.50 lb        |
| 3MPS-08M-20                                                                      |      |       | 20          | 198cm          | 6cm               |               |                         |           |                                | ✗     | 0.69 lb        |
| 3MPS-08M-30                                                                      |      |       | 30          | 288cm          | 92cm              |               |                         |           |                                | ✗     | 0.96 lb        |
| 3MPS-08M-40                                                                      |      |       | 40          | 378cm          | 116cm             |               |                         |           |                                | ✗     | 1.11 lb        |
| 3MPS-10M-05                                                                      | 10mm | 6.5mm | 5           | 75cm           | 35cm              | 100mm & 100mm | 150 psi (10,3 Bar)      | 52mm      | Black, Clear Blue & Light Blue | ✗     | 0.39 lb        |
| 3MPS-10M-10                                                                      |      |       | 10          | 135cm          | 50cm              |               |                         |           |                                | ✗     | 0.67 lb        |
| 3MPS-10M-15                                                                      |      |       | 15          | 195cm          | 65cm              |               |                         |           |                                | ✗     | 0.92 lb        |
| 3MPS-10M-20                                                                      |      |       | 20          | 258cm          | 80cm              |               |                         |           |                                | ✗     | 1.25 lb        |
| 3MPS-10M-30                                                                      |      |       | 30          | 376cm          | 110cm             |               |                         |           |                                | ✗     | 1.79 lb        |
| 3MPS-10M-40                                                                      |      |       | 40          | 497cm          | 140cm             |               |                         |           |                                | ✓     | 2.42 lb        |
| 3MPS-12M-05                                                                      | 12mm | 8mm   | 5           | 97cm           | 38cm              | 100mm & 100mm | 150 psi (10,3 Bar)      | 66mm      | Black, Clear Blue & Light Blue | ✗     | 0.56 lb        |
| 3MPS-12M-10                                                                      |      |       | 10          | 180cm          | 56cm              |               |                         |           |                                | ✗     | 0.98 lb        |
| 3MPS-12M-15                                                                      |      |       | 15          | 265cm          | 74cm              |               |                         |           |                                | ✗     | 1.84 lb        |
| 3MPS-12M-20                                                                      |      |       | 20          | 345cm          | 92cm              |               |                         |           |                                | ✗     | 1.86 lb        |
| 3MPS-12M-30                                                                      |      |       | 30          | 507cm          | 128cm             |               |                         |           |                                | ✗     | 3.50 lb        |
| 3MPS-12M-40                                                                      |      |       | 40          | 673cm          | 164cm             |               |                         |           |                                | ✗     | 4.65 lb        |
| ✓: Stocked Assembly, LQ Limited Quantities Available, ✗: Non-Stock (Contact ATP) |      |       |             |                |                   |               |                         |           |                                |       |                |

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



# Bonded Spirals



## Technibond® 4 Bore Spiral, Fractional Sizes

| Model       | OD                | ID                 | Total Turns | Working Length | Compressed Length | Tail Length | Working Pressure @ 75°F | Spiral OD | Colors                                | Stock | Package Weight |
|-------------|-------------------|--------------------|-------------|----------------|-------------------|-------------|-------------------------|-----------|---------------------------------------|-------|----------------|
| 4MPS-532-05 | 0.156"<br>(5/32") | 0.093"<br>(3/32")  | 5           | 1.80'          | 9.50"             | 4" & 4"     | 240 psi                 | 1.500"    | Black, Clear Blue, Light Blue & Clear | ×     | 0.05 lb        |
| 4MPS-532-10 |                   |                    | 10          | 3.00'          | 11.12"            |             |                         |           |                                       | ×     | 0.09 lb        |
| 4MPS-532-15 |                   |                    | 15          | 4.00'          | 12.62"            |             |                         |           |                                       | ×     | 0.12 lb        |
| 4MPS-532-20 |                   |                    | 20          | 5.00'          | 14.25"            |             |                         |           |                                       | ×     | 0.15 lb        |
| 4MPS-532-30 |                   |                    | 30          | 6.50'          | 17.50"            |             |                         |           |                                       | ×     | 0.19 lb        |
| 4MPS-532-40 |                   |                    | 40          | 8.30'          | 20.62"            |             |                         |           |                                       | ×     | 0.25 lb        |
| 4MPS-14-05  | 0.250"<br>(1/4")  | 0.156"<br>(5/32")  | 5           | 2.50'          | 10.50"            | 4" & 4"     | 180 psi                 | 2.250"    | Black, Clear Blue, Light Blue & Clear | ×     | 0.21 lb        |
| 4MPS-14-10  |                   |                    | 10          | 3.50'          | 13.00"            |             |                         |           |                                       | ×     | 0.30 lb        |
| 4MPS-14-15  |                   |                    | 15          | 5.00'          | 15.50"            |             |                         |           |                                       | ×     | 0.43 lb        |
| 4MPS-14-20  |                   |                    | 20          | 6.50'          | 18.00"            |             |                         |           |                                       | ×     | 0.56 lb        |
| 4MPS-14-30  |                   |                    | 30          | 9.10'          | 23.00"            |             |                         |           |                                       | ×     | 0.78 lb        |
| 4MPS-14-40  |                   |                    | 40          | 11.95'         | 28.00"            |             |                         |           |                                       | ×     | 1.02 lb        |
| 4MPS-38-05  | 0.375"<br>(3/8")  | 0.250"<br>(1/4")   | 5           | 2.50'          | 11.75"            | 4" & 4"     | 150 psi                 | 3.250"    | Black, Clear Blue, Light Blue & Clear | ×     | 0.42 lb        |
| 4MPS-38-10  |                   |                    | 10          | 4.50'          | 15.50"            |             |                         |           |                                       | ×     | 0.77 lb        |
| 4MPS-38-15  |                   |                    | 15          | 6.50'          | 19.25"            |             |                         |           |                                       | ×     | 1.11 lb        |
| 4MPS-38-20  |                   |                    | 20          | 8.50'          | 23.00"            |             |                         |           |                                       | ✓     | 1.45 lb        |
| 4MPS-38-30  |                   |                    | 30          | 12.20'         | 30.50"            |             |                         |           |                                       | ×     | 2.08 lb        |
| 4MPS-38-40  |                   |                    | 40          | 16.00'         | 38.00"            |             |                         |           |                                       | ×     | 2.73 lb        |
| 4MPS-12-05  | 0.500"<br>(1/2")  | 0.328"<br>(21/64") | 5           | 3.40'          | 13.00"            | 4" & 4"     | 150 psi                 | 4.375"    | Black, Clear Blue, Light Blue & Clear | ×     | 1.15 lb        |
| 4MPS-12-10  |                   |                    | 10          | 6.20'          | 18.00"            |             |                         |           |                                       | ✓     | 2.07 lb        |
| 4MPS-12-15  |                   |                    | 15          | 9.00'          | 23.00"            |             |                         |           |                                       | ×     | 3.03 lb        |
| 4MPS-12-20  |                   |                    | 20          | 11.50'         | 28.30"            |             |                         |           |                                       | ×     | 3.89 lb        |
| 4MPS-12-30  |                   |                    | 30          | 16.80'         | 38.00"            |             |                         |           |                                       | ×     | 5.64 lb        |
| 4MPS-12-40  |                   |                    | 40          | 22.30'         | 48.00"            |             |                         |           |                                       | ×     | 7.49 lb        |

✓: Stocked Assembly, LQ Limited Quantities Available, ×: Non-Stock (Contact ATP)

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



# Bonded Spirals



## Technibond® 4 Bore Spiral, Metric Sizes

| Model       | OD   | ID    | Total Turns | Working Length | Compressed Length | Tail Length   | Working Pressure @ 75°F | Spiral OD | Colors                                | Stock | Package Weight |
|-------------|------|-------|-------------|----------------|-------------------|---------------|-------------------------|-----------|---------------------------------------|-------|----------------|
| 4MPS-04M-05 | 4mm  | 2.4mm | 5           | 45cm           | 24cm              | 100mm & 100mm | 200 psi (13,7 Bar)      | 24mm      | Black, Clear Blue, Light Blue & Clear | ×     | 0.07 lb        |
| 4MPS-04M-10 |      |       | 10          | 75cm           | 28cm              |               |                         |           |                                       | ×     | 0.10 lb        |
| 4MPS-04M-15 |      |       | 15          | 105cm          | 32cm              |               |                         |           |                                       | ×     | 0.14 lb        |
| 4MPS-04M-20 |      |       | 20          | 135cm          | 36cm              |               |                         |           |                                       | ×     | 0.19 lb        |
| 4MPS-04M-30 |      |       | 30          | 194cm          | 44cm              |               |                         |           |                                       | ×     | 0.25 lb        |
| 4MPS-04M-40 |      |       | 40          | 254cm          | 52cm              |               |                         |           |                                       | ×     | 0.32 lb        |
| 4MPS-06M-05 | 6mm  | 4mm   | 5           | 58cm           | 26cm              | 100mm & 100mm | 180 psi (12,4 Bar)      | 37mm      | Black, Clear Blue, Light Blue & Clear | ×     | 0.21 lb        |
| 4MPS-06M-10 |      |       | 10          | 103cm          | 32cm              |               |                         |           |                                       | ×     | 0.33 lb        |
| 4MPS-06M-15 |      |       | 15          | 145cm          | 38cm              |               |                         |           |                                       | ×     | 0.42 lb        |
| 4MPS-06M-20 |      |       | 20          | 190cm          | 44cm              |               |                         |           |                                       | ×     | 0.57 lb        |
| 4MPS-06M-30 |      |       | 30          | 274cm          | 56cm              |               |                         |           |                                       | ×     | 0.68 lb        |
| 4MPS-06M-40 |      |       | 40          | 360cm          | 38cm              |               |                         |           |                                       | ×     | 0.91 lb        |
| 4MPS-08M-05 | 8mm  | 4.7mm | 5           | 60cm           | 28cm              | 100mm & 100mm | 175 psi (12 Bar)        | 41mm      | Black, Clear Blue, Light Blue & Clear | ×     | 0.32 lb        |
| 4MPS-08M-10 |      |       | 10          | 105cm          | 36cm              |               |                         |           |                                       | ×     | 0.58 lb        |
| 4MPS-08M-15 |      |       | 15          | 152cm          | 44cm              |               |                         |           |                                       | ×     | 0.74 lb        |
| 4MPS-08M-20 |      |       | 20          | 198cm          | 52cm              |               |                         |           |                                       | ×     | 1.03 lb        |
| 4MPS-08M-30 |      |       | 30          | 288cm          | 68cm              |               |                         |           |                                       | ×     | 1.40 lb        |
| 4MPS-08M-40 |      |       | 40          | 378cm          | 84cm              |               |                         |           |                                       | ×     | 1.91 lb        |
| 4MPS-10M-05 | 10mm | 6.5mm | 5           | 75cm           | 30cm              | 100mm & 100mm | 150 psi (10,3 Bar)      | 52mm      | Black, Clear Blue, Light Blue & Clear | ×     | 0.58 lb        |
| 4MPS-10M-10 |      |       | 10          | 135cm          | 40cm              |               |                         |           |                                       | ×     | 1.01 lb        |
| 4MPS-10M-15 |      |       | 15          | 195cm          | 50cm              |               |                         |           |                                       | ×     | 1.51 lb        |
| 4MPS-10M-20 |      |       | 20          | 258cm          | 60cm              |               |                         |           |                                       | ✓     | 1.86 lb        |
| 4MPS-10M-30 |      |       | 30          | 376cm          | 80cm              |               |                         |           |                                       | ×     | 3.25 lb        |
| 4MPS-10M-40 |      |       | 40          | 497cm          | 100cm             |               |                         |           |                                       | ×     | 3.38 lb        |
| 4MPS-12M-05 | 12mm | 8mm   | 5           | 97cm           | 32cm              | 100mm & 100mm | 150 psi (10,3 Bar)      | 66mm      | Black, Clear Blue, Light Blue & Clear | ×     | 1.10 lb        |
| 4MPS-12M-10 |      |       | 10          | 180cm          | 44cm              |               |                         |           |                                       | ×     | 1.68 lb        |
| 4MPS-12M-15 |      |       | 15          | 265cm          | 56cm              |               |                         |           |                                       | ×     | 2.65 lb        |
| 4MPS-12M-20 |      |       | 20          | 345cm          | 68cm              |               |                         |           |                                       | ×     | 3.42 lb        |
| 4MPS-12M-30 |      |       | 30          | 507cm          | 92cm              |               |                         |           |                                       | ×     | 5.25 lb        |
| 4MPS-12M-40 |      |       | 40          | 673cm          | 116cm             |               |                         |           |                                       | ×     | 6.99 lb        |

✓: Stocked Assembly, LQ Limited Quantities Available, ×: Non-Stock (Contact ATP)

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



# Bonded Tubing & 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"/> <input type="checkbox"/> <input type="checkbox"/><br>Ribbon Pyramid Stacked |                                                                                                                                                                                                                                                                                                                                      |                          | <b>Total Units Required (Fill Out)</b><br>Units <input type="checkbox"/> Total #<br>Feet <input type="checkbox"/><br>Meters <input type="checkbox"/> |                                                                                                                                                                                                             |                          |                          |                          |                          |
| Tubing Information (Fill Out)                                                                                                                                                                                  |                          |                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                      |                          |                                                                                                                                                      |                                                                                                                                                                                                             |                          |                          |                          |                          |
| 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="checkbox"/> |                          |                                                                                                                                                      | <b>Fittings (Check or Specify)</b><br>No <input type="checkbox"/> Yes <input type="checkbox"/><br><b>Pneumatic Couplings (Check or Specify)</b><br>No <input type="checkbox"/> Yes <input type="checkbox"/> |                          |                          |                          |                          |



# Bonded Spirals



## Required Information for Custom Bonding

### Straight Tubing

1. Number of Tubes
2. OD of Each Tube
3. Grouping Configuration
4. Colors
5. Total Quantity

### Spirals

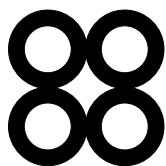
1. Number of Tubes
2. OD of Each Tube
3. Grouping Configuration
4. Colors
5. Working Length (Including Tails)
6. Length of Each Tail
7. Total Quantity



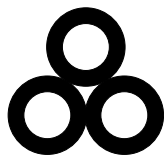
### Standard Grouping Configurations



Ribbon

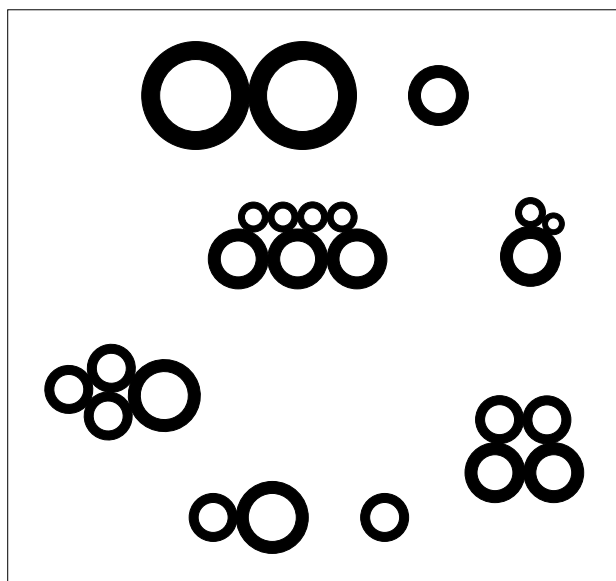


Stacked



Pyramid

### Special Grouping Examples



**TECHNIFIT™**



# **Push-to-Connect Fittings**



# Technifit™ Push-to-Connect Fittings

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

**TECHNIFIT™**



### 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/<br>Inert Gases |

**Page 54**

**TECHNIFIT™**



### Nickel-Plated Brass Series

**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/<br>Inert Gases |

**Page 149**

**TECHNIFIT™**



### 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/<br>Inert Gases |

**Page 166**

# Technifit™ Push-to-Connect Fittings

## Resin Series



The Resin-Series of Technifit™ Push-to-Connect Fittings features a broad offering of configurations and sizes.

### PC - 1/4 - 01 C

| 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 |

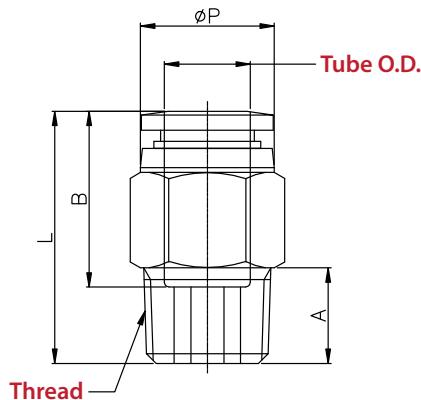
| Model | Tubing Size |                 | Thread |               | Configuration |           |
|-------|-------------|-----------------|--------|---------------|---------------|-----------|
|       | 5/32        | 5/32" (0.1562") | N0     | 1/16" NPT     | (Blank)       | Full Size |
|       | 3/16        | 3/16" (0.1875") | N1     | 1/8" NPT      | C             | Compact   |
|       | 1/4         | 1/4" (0.2500")  | N2     | 1/4" NPT      |               |           |
|       | 5/16        | 5/16" (0.3125") | N3     | 3/8" NPT      |               |           |
|       | 3/8         | 3/8" (0.3750")  | N4     | 1/2" NPT      |               |           |
|       | 1/2         | 1/2" (0.5000")  | 01     | 1/8" BSPT (R) |               |           |
|       | 04          | 4mm             | 02     | 1/4" BSPT (R) |               |           |
|       | 06          | 6mm             | 03     | 3/8" BSPT (R) |               |           |
|       | 08          | 8mm             | 04     | 1/2" BSPT (R) |               |           |
|       | 10          | 10mm            | G01    | 1/8" BSPP (G) |               |           |
|       | 12          | 12mm            | G02    | 1/4" BSPP (G) |               |           |
|       | 14          | 14mm            | G03    | 3/8" BSPP (G) |               |           |
|       | 16          | 16mm            | G04    | 1/2" BSPP (G) |               |           |
|       |             |                 | M3     | M3 x 0.5      |               |           |
|       |             |                 | M5     | M5 x 0.8      |               |           |
|       |             |                 | M6     | M6 x 1.0      |               |           |
|       |             |                 | M12    | M12 x 1.5     |               |           |
|       |             |                 | M16    | M16 x 1.5     |               |           |
|       |             |                 | M22    | M22 x 1.5     |               |           |
|       |             |                 | U      | 10-32 Male    |               |           |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Straight Fittings

### Hex Male Straight – PC

Hex Male Straight Fittings feature a hex outer shape, allowing for simplified installation. These fittings are composed of nickel-plated brass with an acetal plastic release ring.

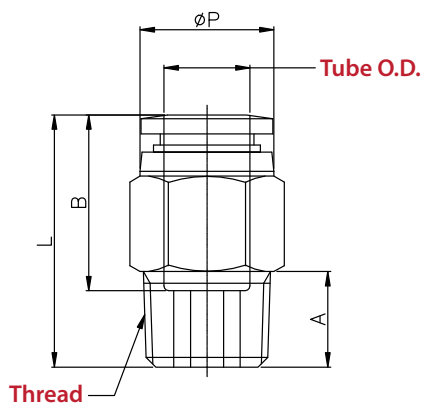


Fractional Tube Sizes

| Model     | Tube OD | Thread             | Package Qty. | Stock | Hex    | Length         | Weight         |
|-----------|---------|--------------------|--------------|-------|--------|----------------|----------------|
| PC5/32-U  | 5/32"   | 10-32 Male         | 10           | Yes   | 7/16"  | 0.88" (22.5mm) | 0.20oz (5.80g) |
| PC5/32-N1 |         | 1/8" Male NPT      |              |       | 7/16"  | 0.76" (19.5mm) | 0.27oz (7.80g) |
| PC5/32-N2 |         | 1/4" Male NPT      |              |       | 9/16"  | 0.86" (22.0mm) | 0.52oz (14.8g) |
| PC5/32-N3 |         | 3/8" Male NPT      |              |       | 11/16" | 0.90" (23.0mm) | 0.87oz (24.8g) |
| PC3/16-U  | 3/16"   | 10-32 Male         | 10           | Yes   | 7/16"  | 0.89" (22.8mm) | 0.27oz (7.80g) |
| PC3/16-N1 |         | 1/8" Male NPT      |              |       | 7/16"  | 0.91" (23.3mm) | 0.52oz (14.8g) |
| PC3/16-N2 |         | 1/4" Male NPT      |              |       | 9/16"  | 0.91" (23.3mm) | 0.87oz (24.8g) |
| PC3/16-N3 |         | 3/8" Male NPT      |              |       | 11/16" | 0.95" (24.3mm) | 0.87oz (24.8g) |
| PC1/4-U   | 1/4"    | 10-32 Male         | 10           | Yes   | 1/2"   | 0.94" (24.0mm) | 0.31oz (8.80g) |
| PC1/4-N1  |         | 1/8" Male NPT      |              |       | 1/2"   | 0.94" (24.0mm) | 0.31oz (8.80g) |
| PC1/4-N2  |         | 1/4" Male NPT      |              |       | 9/16"  | 0.92" (23.4mm) | 0.45oz (12.8g) |
| PC1/4-N3  |         | 3/8" Male NPT      |              |       | 11/16" | 0.96" (24.4mm) | 0.83oz (23.8g) |
| PC1/4-N4  |         | 1/2" Male NPT      |              |       | 7/8"   | 1.07" (27.4mm) | 1.76oz (49.8g) |
| PC1/4-01  |         | 1/8" Male BSPT (R) |              |       | 13mm   | 0.92" (23.5mm) | 0.31oz (8.80g) |
| PC1/4-02  |         | 1/4" Male BSPT (R) |              |       | 14mm   | 0.90" (22.9mm) | 0.45oz (12.8g) |
| PC1/4-03  |         | 3/8" Male BSPT (R) |              | No    | 17mm   | 0.94" (23.9mm) | 0.83oz (23.8g) |
| PC5/16-N1 | 5/16"   | 1/8" Male NPT      | 10           | Yes   | 9/16"  | 1.12" (28.7mm) | 0.44oz (12.7g) |
| PC5/16-N2 |         | 1/4" Male NPT      |              |       | 9/16"  | 1.04" (26.5mm) | 0.51oz (14.7g) |
| PC5/16-N3 |         | 3/8" Male NPT      |              |       | 11/16" | 0.96" (24.5mm) | 0.76oz (21.7g) |
| PC5/16-N4 |         | 1/2" Male NPT      |              |       | 7/8"   | 1.08" (27.5mm) | 2.10oz (59.7g) |
| PC5/16-01 |         | 1/8" Male BSPT (R) |              | No    | 14mm   | 1.12" (28.5mm) | 0.51oz (14.7g) |
| PC5/16-02 |         | 1/4" Male BSPT (R) |              | Yes   | 14mm   | 1.04" (26.5mm) | 0.65oz (18.7g) |
| PC5/16-03 |         | 3/8" Male BSPT (R) |              | No    | 17mm   | 0.94" (24.0mm) | 0.76oz (21.7g) |
| PC3/8-N1  | 3/8"    | 1/8" Male NPT      | 10           | Yes   | 11/16" | 1.18" (30.0mm) | 0.75oz (21.4g) |
| PC3/8-N2  |         | 1/4" Male NPT      |              |       | 11/16" | 1.22" (31.0mm) | 0.89oz (25.4g) |
| PC3/8-N3  |         | 3/8" Male NPT      |              |       | 11/16" | 1.09" (27.7mm) | 0.71oz (20.4g) |
| PC3/8-N4  |         | 1/2" Male NPT      |              |       | 7/8"   | 1.11" (28.2mm) | 1.77oz (50.4g) |
| PC3/8-01  |         | 1/8" Male BSPT (R) |              | No    | 17mm   | 1.16" (29.7mm) | 0.75oz (21.4g) |
| PC3/8-02  |         | 1/4" Male BSPT (R) |              | Yes   | 17mm   | 1.20" (30.5mm) | 0.89oz (25.4g) |
| PC3/8-03  |         | 3/8" Male BSPT (R) |              | No    | 17mm   | 1.07" (27.3mm) | 0.71oz (20.4g) |
| PC3/8-04  |         | 1/2" Male BSPT (R) |              | No    | 21mm   | 1.07" (27.2mm) | 1.77oz (50.4g) |
| PC1/2-N1  | 1/2"    | 1/8" Male NPT      | 10           | Yes   | 7/8"   | 1.31" (33.4mm) | 1.13oz (32.1g) |
| PC1/2-N2  |         | 1/4" Male NPT      |              |       | 7/8"   | 1.40" (35.4mm) | 1.23oz (35.1g) |
| PC1/2-N3  |         | 3/8" Male NPT      |              |       | 7/8"   | 1.25" (31.9mm) | 1.27oz (36.1g) |
| PC1/2-N4  |         | 1/2" Male NPT      |              |       | 7/8"   | 1.23" (31.4mm) | 1.62oz (46.1g) |
| PC1/2-02  |         | 1/4" Male BSPT (R) |              | No    | 21mm   | 1.37" (34.9mm) | 1.23oz (35.1g) |
| PC1/2-03  |         | 3/8" Male BSPT (R) |              |       | 21mm   | 1.23" (31.4mm) | 1.27oz (36.1g) |
| PC1/2-04  |         | 1/2" Male BSPT (R) |              |       | 21mm   | 1.21" (30.9mm) | 1.62oz (46.1g) |

# Technifit™ Push-to-Connect Fittings

## Hex Male Straight – PC (continued)

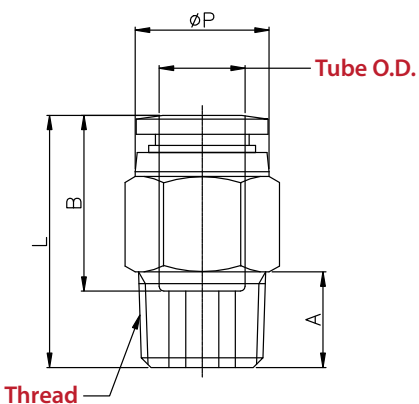


### Metric Tube Sizes

| Model    | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PC04-M5  | 4mm     | M5 x 0.8           | 10           | Yes   | 10mm | 0.82" (20.9mm) | 0.25oz (7.00g) |
| PC04-M6  |         | M6 x 1.0           |              |       |      | 0.82" (20.9mm) | 0.28oz (8.00g) |
| PC04-01  |         | 1/8" Male BSPT (R) |              |       |      | 0.86" (22.0mm) | 0.31oz (9.00g) |
| PC04-02  |         | 1/4" Male BSPT (R) |              |       | 14mm | 0.82" (21.0mm) | 0.56oz (16.0g) |
| PC04-03  |         | 3/8" Male BSPT (R) |              |       | 17mm | 0.86" (22.0mm) | 0.98oz (28.0g) |
| PC06-01  | 6mm     | 1/8" Male BSPT (R) | 10           | Yes   | 12mm | 0.92" (23.4mm) | 0.35oz (10.0g) |
| PC06-02  |         | 1/4" Male BSPT (R) |              |       | 14mm | 0.86" (21.9mm) | 0.49oz (14.0g) |
| PC06-03  |         | 3/8" Male BSPT (R) |              |       | 17mm | 0.90" (22.9mm) | 0.88oz (25.0g) |
| PC06-04  |         | 1/2" Male BSPT (R) |              |       | 19mm | 1.14" (29.2mm) | 1.87oz (53.0g) |
| PC06-G01 |         | 1/8" Male BSPP (G) |              |       | 13mm | 0.78" (20.0mm) | 0.35oz (9.90g) |
| PC06-G02 |         | 1/4" Male BSPP (G) |              |       | 15mm | 0.84" (21.5mm) | 0.60oz (17.0g) |
| PC06-G03 |         | 3/8" Male BSPP (G) |              |       | 17mm | 0.84" (21.5mm) | 0.81oz (22.9g) |
| PC06-M5  |         | M5 x 0.8           |              |       | 12mm | 0.90" (23.1mm) | 0.35oz (10.0g) |
| PC06-M6  |         | M6 x 1.0           |              |       | 12mm | 0.90" (23.0mm) | 0.35oz (10.0g) |
| PC06-M12 |         | M12 x 1.5          |              | No    | N/A  | N/A            | N/A            |
| PC06-M16 |         | M16 x 1.5          |              |       | N/A  | N/A            | N/A            |
| PC08-01  | 8mm     | 1/8" Male BSPT (R) | 10           | Yes   | 14mm | 1.11" (28.4mm) | 0.53oz (15.0g) |
| PC08-02  |         | 1/4" Male BSPT (R) |              |       |      | 1.03" (26.4mm) | 0.56oz (16.0g) |
| PC08-03  |         | 3/8" Male BSPT (R) |              |       | 17mm | 0.94" (23.9mm) | 0.84oz (24.0g) |
| PC08-04  |         | 1/2" Male BSPT (R) |              |       | 19mm | 1.15" (29.4mm) | 1.72oz (49.0g) |
| PC08-G01 |         | 1/8" Male BSPP (G) |              |       | 13mm | 0.83" (21.2mm) | 0.59oz (17.0g) |
| PC08-G02 |         | 1/4" Male BSPP (G) |              |       | 15mm | 0.91" (23.2mm) | 0.55oz (15.8g) |
| PC08-G03 |         | 3/8" Male BSPP (G) |              |       | 17mm | 0.87" (22.2mm) | 0.84oz (24.0g) |
| PC08-G04 |         | 1/2" Male BSPP (G) |              |       | 21mm | 0.94" (23.9mm) | 1.19oz (37.9g) |
| PC08-M12 |         | M12 x 1.5          |              | No    | N/A  | N/A            | N/A            |
| PC08-M16 |         | M16 x 1.5          |              |       | N/A  | N/A            | N/A            |
| PC08-M22 |         | M22 x 1.5          |              |       | N/A  | N/A            | N/A            |
| PC10-01  | 10mm    | 1/8" Male BSPT (R) | 10           | Yes   | 17mm | 1.17" (29.9mm) | 0.52oz (15.0g) |
| PC10-02  |         | 1/4" Male BSPT (R) |              |       | 17mm | 1.23" (31.4mm) | 0.56oz (16.0g) |
| PC10-03  |         | 3/8" Male BSPT (R) |              |       | 17mm | 1.08" (27.5mm) | 0.85oz (24.0g) |
| PC10-04  |         | 1/2" Male BSPT (R) |              |       | 19mm | 1.17" (29.9mm) | 1.72oz (49.0g) |
| PC10-G01 |         | 1/8" Male BSPP (G) |              |       | 17mm | 1.13" (28.9mm) | 0.80oz (22.9g) |
| PC10-G02 |         | 1/4" Male BSPP (G) |              |       | 17mm | 1.13" (28.9mm) | 0.80oz (22.9g) |
| PC10-G03 |         | 3/8" Male BSPP (G) |              |       | 17mm | 1.00" (25.4mm) | 0.71oz (20.1g) |
| PC10-G04 |         | 1/2" Male BSPP (G) |              |       | 21mm | 1.01" (25.9mm) | 1.38oz (39.1g) |
| PC10-M12 |         | M1 x 1.5           |              | No    | N/A  | N/A            | N/A            |
| PC10-M14 |         | M14 x 1.5          |              |       | N/A  | N/A            | N/A            |
| PC10-M16 |         | M16 x 1.5          |              |       | N/A  | N/A            | N/A            |
| PC10-M22 |         | M22 x 1.5          |              |       | N/A  | N/A            | N/A            |

# Technifit™ Push-to-Connect Fittings

## Hex Male Straight – PC (continued)



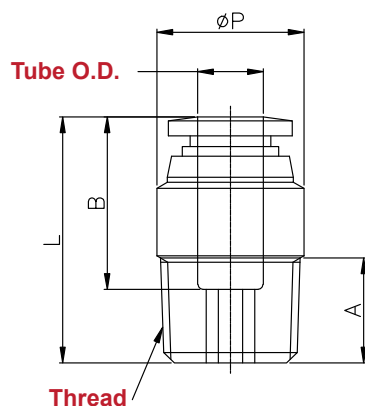
Metric Tube Sizes

| Model    | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PC12-01  | 12mm    | 1/8" Male BSPT (R) | 10           | Yes   | 19mm | 1.30" (33.2mm) | 0.74oz (21.0g) |
| PC12-02  |         | 1/4" Male BSPT (R) |              |       |      | 1.32" (33.7mm) | 0.88oz (24.0g) |
| PC12-03  |         | 3/8" Male BSPT (R) |              |       |      | 1.20" (30.7mm) | 0.88oz (24.0g) |
| PC12-04  |         | 1/2" Male BSPT (R) |              |       |      | 1.18" (30.2mm) | 1.58oz (45.0g) |
| PC12-G02 |         | 1/4" Male BSPP (G) |              |       |      | 1.24" (31.7mm) | 1.02oz (28.9g) |
| PC12-G03 |         | 3/8" Male BSPP (G) |              |       |      | 1.07" (27.2mm) | 0.81oz (22.9g) |
| PC12-G04 |         | 1/2" Male BSPP (G) |              |       | 21mm | 1.11" (28.2mm) | 1.32oz (37.4g) |
| PC12-M12 |         | M12 x 1.5          |              | No    | N/A  | N/A            | N/A            |
| PC12-M14 |         | M14 x 1.5          |              |       |      |                |                |
| PC12-M16 |         | M16 x 1.5          |              |       |      |                |                |
| PC12-M22 |         | M22 x 1.5          |              |       |      |                |                |
| PC14-03  | 14mm    | 3/8" Male BSPT (R) | 5            | Yes   | 22mm | 1.44" (36.6mm) | 1.48oz (42.0g) |
| PC14-04  |         | 1/2" Male BSPT (R) |              |       |      | 1.33" (34.0mm) | 1.73oz (49.0g) |
| PC14-G03 |         | 3/8" Male BSPP (G) |              | No    | 24mm | 1.31" (33.5mm) | 1.69oz (47.9g) |
| PC14-G04 |         | 1/2" Male BSPP (G) |              |       |      | 1.29" (32.8mm) | 2.01oz (56.9g) |
| PC16-03  | 16mm    | 3/8" Male BSPT (R) | 5            | Yes   | 24mm | 1.47" (37.5mm) | 1.79oz (51.0g) |
| PC16-04  |         | 1/2" Male BSPT (R) |              |       |      | 1.59" (40.5mm) | 2.29oz (65.0g) |
| PC16-G03 |         | 3/8" Male BSPP (G) |              |       |      | 1.37" (35.0mm) | 1.93oz (54.9g) |
| PC16-G04 |         | 1/2" Male BSPP (G) |              |       |      | 1.39" (35.5mm) | 2.19oz (62.0g) |

# Technifit™ Push-to-Connect Fittings

## Round Male Straight – POC

Round Male Straight Fittings provide a small, compact package with an internal hex. These fittings are composed of nickel-plated brass with an acetal plastic release ring.

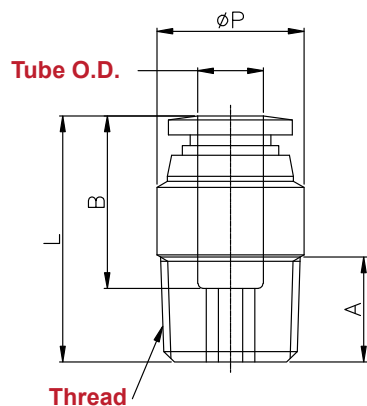


Fractional Tube Sizes

| Model      | Tube OD | Thread             | Package Qty. | Stock | Internal Hex   | Length         | Weight                           |
|------------|---------|--------------------|--------------|-------|----------------|----------------|----------------------------------|
| POC5/32-U  | 5/32"   | 10-32 Male         | 10           | Yes   | 3/32"          | 0.84" (21.4mm) | 0.20oz (5.80g)                   |
| POC5/32-N1 |         | 1/8" Male NPT      |              |       | 1/8"           | 0.82" (21.0mm) | 0.23oz (6.80g)                   |
| POC5/32-N2 |         | 1/4" Male NPT      |              |       |                | 0.86" (22.0mm) | 0.48oz (13.8g)                   |
| POC3/16-U  | 3/16"   | 10-32 Male         | 10           | No    | 3/32"          | 0.89" (22.8mm) | 0.20oz (5.80g)                   |
| POC3/16-N1 |         | 1/8" Male NPT      |              | Yes   | 1/8"           |                | 0.23oz (6.80g)                   |
| POC3/16-N2 |         | 1/4" Male NPT      |              | No    |                | 0.93" (23.8mm) | 0.48oz (13.8g)                   |
| POC1/4-U   | 1/4"    | 10-32 Male         | 10           | Yes   | 3/32"          | 0.95" (24.2mm) | 0.31oz (8.80g)                   |
| POC1/4-N1  |         | 1/8" Male NPT      |              |       | 3/16"          | 0.93" (23.7mm) | 0.34oz (9.80g)                   |
| POC1/4-N2  |         | 1/4" Male NPT      |              |       |                | 5mm            | 0.94" (23.9mm)<br>0.94" (23.9mm) |
| POC1/4-01  |         | 1/8" Male BSPT (R) |              | No    | 0.35oz (9.80g) |                |                                  |
| POC1/4-02  |         | 1/4" Male BSPT (R) |              |       | 0.45oz (12.8g) |                |                                  |
| POC5/16-N1 | 5/16"   | 1/8" Male NPT      | 10           | Yes   | 3/16"          | 1.12" (28.7mm) | 0.51oz (14.7g)                   |
| POC5/16-N2 |         | 1/4" Male NPT      |              |       | 1/4"           | 1.04" (26.5mm) | 0.62oz (17.7g)                   |
| POC5/16-N3 |         | 3/8" Male NPT      |              | No    |                | 0.98" (25.0mm) | 0.80oz (22.7g)                   |
| POC5/16-01 |         | 1/8" Male BSPT (R) |              | 6mm   | 1.10" (28.0mm) | 0.51oz (14.7g) |                                  |
| POC5/16-02 |         | 1/4" Male BSPT (R) |              |       | Yes            | 1.02" (26.0mm) | 0.62oz (17.7g)                   |
| POC3/8-N1  | 3/8"    | 1/8" Male NPT      | 10           | No    | 3/16"          | 1.16" (29.7mm) | 0.82oz (23.4g)                   |
| POC3/8-N2  |         | 1/4" Male NPT      |              | Yes   | 1/4"           | 1.11" (28.2mm) | 0.89oz (25.4g)                   |
| POC3/8-N3  |         | 3/8" Male NPT      |              |       | 5/16"          |                | 1.21oz (34.4g)                   |
| POC3/8-N4  |         | 1/2" Male NPT      |              | No    |                | 6mm            | 1.14" (29.2mm)                   |
| POC3/8-01  |         | 1/8" Male BSPT (R) |              |       | 1.07" (27.2mm) |                | 0.89oz (25.4g)                   |
| POC3/8-02  |         | 1/4" Male BSPT (R) |              |       | 1.03" (26.2mm) |                | 1.24oz (35.4g)                   |
| POC1/2-N2  | 1/2"    | 1/4" Male NPT      | 10           | No    | 1/4"           | 1.39" (35.4mm) | 1.09oz (31.1g)                   |
| POC1/2-N3  |         | 3/8" Male NPT      |              | Yes   | 3/8"           | 1.29" (33.0mm) | 1.20oz (34.1g)                   |
| POC1/2-N4  |         | 1/2" Male NPT      |              | No    |                |                | 1.52oz (43.1g)                   |

# Technifit™ Push-to-Connect Fittings

## Round Male Straight – PC (continued)



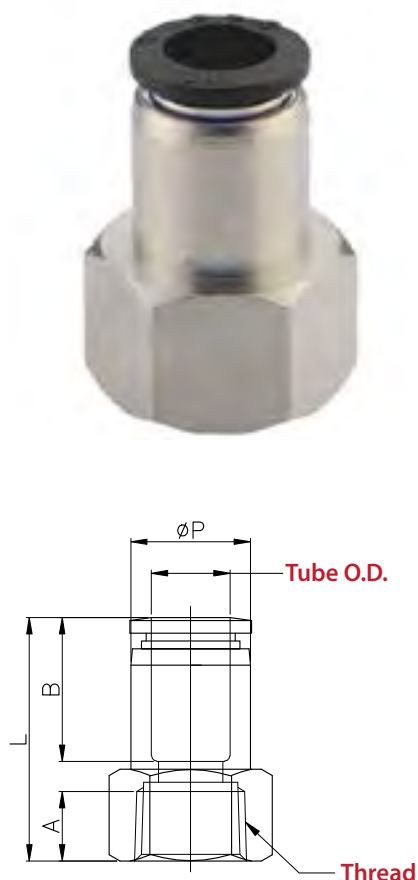
Metric Tube Sizes

| Model    | Tube OD | Thread             | Package Qty. | Stock | Internal Hex | Length         | Weight         |                |
|----------|---------|--------------------|--------------|-------|--------------|----------------|----------------|----------------|
| POC04-01 | 4mm     | 1/8" Male BSPT (R) | 10           | Yes   | 3mm          | 0.81" (20.8mm) | 0.28oz (8.00g) |                |
| POC04-02 |         | 1/4" Male BSPT (R) |              |       |              |                | 0.53oz (15.0g) |                |
| POC04-03 |         | 3/8" Male BSPT (R) |              |       |              |                | 0.85oz (24.0g) |                |
| POC04-M5 |         | M5 x 0.8           |              | No    | 2mm          | 0.82" (20.9mm) | 0.25oz (6.00g) |                |
| POC04-M6 |         | M6 x 1.0           |              |       | 3mm          | 0.83" (21.3mm) | 0.25oz (6.00g) |                |
| POC06-01 | 6mm     | 1/8" Male BSPT (R) | 10           | Yes   | 4mm          | 0.89" (22.7mm) | 0.32oz (9.00g) |                |
| POC06-02 |         | 1/4" Male BSPT (R) |              |       |              | 0.92" (23.4mm) | 0.53oz (15.0g) |                |
| POC06-03 |         | 3/8" Male BSPT (R) |              | No    | 2mm          | 0.90" (23.1mm) | 0.90oz (25.0g) |                |
| POC06-M5 |         | M5 x 0.8           |              | Yes   |              |                | 0.28oz (8.00g) |                |
| POC06-M6 |         | M6 x 1.0           |              |       |              |                | 3mm            | 0.92" (23.5mm) |
| POC08-01 | 8mm     | 1/8" Male BSPT (R) | 10           | Yes   | 5mm          | 1.09" (27.9mm) | 0.49oz (14.0g) |                |
| POC08-02 |         | 1/4" Male BSPT (R) |              |       | 6mm          | 1.01" (25.9mm) | 0.49oz (14.0g) |                |
| POC08-03 |         | 3/8" Male BSPT (R) |              | No    |              | 1.07" (27.3mm) | 0.90oz (25.0g) |                |
| POC08-04 |         | 1/2" Male BSPT (R) |              |       |              |                | 1.69oz (46.0g) |                |
| POC10-01 | 10mm    | 1/8" Male BSPT (R) | 10           | Yes   | 5mm          | 1.17" (29.9mm) | 0.67oz (19.0g) |                |
| POC10-02 |         | 1/4" Male BSPT (R) |              |       | 6mm          | 1.09" (27.8mm) | 0.67oz (17.0g) |                |
| POC10-03 |         | 3/8" Male BSPT (R) |              |       | 8mm          |                | 0.79oz (22.0g) |                |
| POC10-04 |         | 1/2" Male BSPT (R) |              |       |              |                | 1.41oz (40.0g) |                |
| POC12-01 | 12mm    | 1/8" Male BSPT (R) | 10           | No    | 5mm          | 1.26" (32.2mm) | 0.85oz (24.0g) |                |
| POC12-02 |         | 1/4" Male BSPT (R) |              | Yes   | 6mm          | 1.33" (33.8mm) | 0.92oz (26.0g) |                |
| POC12-03 |         | 3/8" Male BSPT (R) |              |       | 8mm          | 1.24" (31.7mm) | 0.92oz (26.0g) |                |
| POC12-04 |         | 1/2" Male BSPT (R) |              |       |              | 1.18" (30.2mm) | 1.41oz (40.0g) |                |

# Technifit™ Push-to-Connect Fittings

## Hex Female Straight - PCF

Equipped with a hex body, these female threaded fittings are constructed of nickel-plated brass.

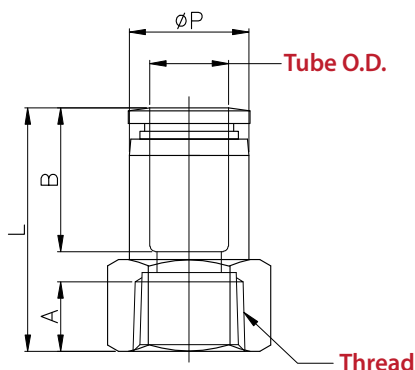


Fractional Tube Sizes

| Model      | Tube OD | Thread               | Package Qty. | Stock | Hex    | Length         | Weight         |
|------------|---------|----------------------|--------------|-------|--------|----------------|----------------|
| PCF5/32-N1 | 5/32"   | 1/8" Female NPT      | 10           | Yes   | 9/16"  | 1.06" (27.1mm) | 0.55oz (15.8g) |
| PCF5/32-N2 |         | 1/4" Female NPT      |              |       | 11/16" | 1.16" (29.6mm) | 0.70oz (19.8g) |
| PCF3/16-N1 | 3/16"   | 1/8" Female NPT      | 10           | Yes   | 9/16"  | 1.11" (28.3mm) | 0.56oz (15.8g) |
| PCF3/16-N2 |         | 1/4" Female NPT      |              |       | 11/16" | 1.19" (30.3mm) | 0.70oz (19.8g) |
| PCF1/4-N1  | 1/4"    | 1/8" Female NPT      | 10           | Yes   | 9/16"  | 1.13" (28.8mm) | 0.66oz (18.8g) |
| PCF1/4-N2  |         | 1/4" Female NPT      |              |       | 11/16" | 1.21" (30.8mm) | 0.83oz (23.8g) |
| PCF1/4-N3  |         | 3/8" Female NPT      |              |       | 7/8"   | 1.29" (32.8mm) | 1.40oz (39.8g) |
| PCF1/4-01  |         | 1/8" Female BSPT (R) |              | No    | 14mm   | 1.13" (28.8mm) | 0.66oz (18.8g) |
| PCF1/4-02  |         | 1/4" Female BSPT (R) |              |       | 17mm   | 1.21" (30.8mm) | 0.83oz (23.8g) |
| PCF5/16-N1 | 5/16"   | 1/8" Female NPT      | 10           | Yes   | 9/16"  | 1.16" (29.5mm) | 0.65oz (18.7g) |
| PCF5/16-N2 |         | 1/4" Female NPT      |              |       | 11/16" | 1.25" (32.0mm) | 0.90oz (25.7g) |
| PCF5/16-N3 |         | 3/8" Female NPT      |              | No    | 7/8"   | 1.27" (32.5mm) | 1.36oz (38.7g) |
| PCF5/16-N4 |         | 1/2" Female NPT      |              |       | 15/16" | 1.35" (34.5mm) | 1.61oz (45.7g) |
| PCF5/16-01 |         | 1/8" Female BSPT (R) |              |       | 17mm   | 1.16" (29.5mm) | 0.66oz (18.7g) |
| PCF5/16-02 |         | 1/4" Female BSPT (R) |              |       |        | 1.24" (31.5mm) | 0.90oz (25.7g) |
| PCF3/8-N1  | 3/8"    | 1/8" Female NPT      | 10           | Yes   | 11/16" | 1.30" (33.1mm) | 1.03oz (29.4g) |
| PCF3/8-N2  |         | 1/4" Female NPT      |              |       |        |                | 1.30" (33.1mm) |
| PCF3/8-N3  |         | 3/8" Female NPT      |              |       | 7/8"   | 1.34" (34.1mm) | 1.36oz (38.7g) |
| PCF3/8-N4  |         | 1/2" Female NPT      |              | No    | 15/16" | 1.44" (36.7mm) | 1.61oz (45.7g) |
| PCF3/8-02  |         | 1/4" Female BSPT (R) |              |       | 17mm   | 1.30" (33.1mm) | 0.93oz (26.4g) |
| PCF3/8-03  |         | 3/8" Female BSPT (R) |              |       | 22mm   | 1.34" (34.1mm) | 1.39oz (39.4g) |
| PCF1/2-N2  | 1/2"    | 1/4" Female NPT      | 5            | Yes   | 11/8"  | 1.47" (37.5mm) | 1.87oz (53.1g) |
| PCF1/2-N3  |         | 3/8" Female NPT      |              |       | 7/8"   |                | 1.47" (37.5mm) |
| PCF1/2-N4  |         | 1/2" Female NPT      |              |       | 15/16" | 1.55" (39.4mm) | 1.84oz (52.2g) |

# Technifit™ Push-to-Connect Fittings

## Hex Female Straight – PCF (continued)



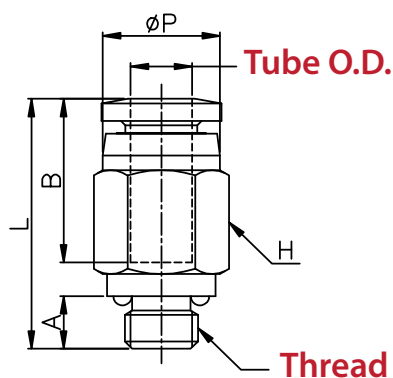
### Metric Tube Sizes

| Model     | Tube OD | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|----------------------|--------------|-------|------|----------------|----------------|
| PCF04-01  | 4mm     | 1/8" Female BSPT (R) | 10           | Yes   | 14mm | 1.06" (27.1mm) | 0.59oz (17.0g) |
| PCF04-02  |         | 1/4" Female BSPT (R) |              |       | 17mm | 1.18" (30.2mm) | 0.77oz (22.0g) |
| PCF04-03  |         | 3/8" Female BSPT (R) |              | No    | 22mm | 1.22" (31.2mm) | 1.34oz (38.0g) |
| PCF04-G01 |         | 1/8" Female BSPP (G) |              |       | 14mm | 1.06" (27.1mm) | 0.57oz (16.0g) |
| PCF04-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 1.14" (29.1mm) | 0.71oz (20.0g) |
| PCF04-G03 |         | 3/8" Female BSPP (G) |              |       | 22mm | 1.18" (30.1mm) | 1.23oz (35.0g) |
| PCF04-M5  |         | M5 x 0.8             |              | Yes   | 12mm | 1.02" (26.0mm) | 0.56oz (16.0g) |
| PCF06-01  | 6mm     | 1/8" Female BSPT (R) | 10           | Yes   | 14mm | 1.11" (28.2mm) | 0.63oz (18.0g) |
| PCF06-02  |         | 1/4" Female BSPT (R) |              |       | 17mm | 1.18" (30.2mm) | 0.84oz (24.0g) |
| PCF06-03  |         | 3/8" Female BSPT (R) |              |       | 22mm | 1.22" (31.2mm) | 1.34oz (38.0g) |
| PCF06-04  |         | 1/2" Female BSPT (R) |              | No    | 24mm | 1.30" (33.2mm) | 1.44oz (41.0g) |
| PCF06-G01 |         | 1/8" Female BSPP (G) |              |       | 14mm | 1.11" (28.2mm) | 0.59oz (17.0g) |
| PCF06-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 1.18" (30.2mm) | 0.81oz (23.0g) |
| PCF06-G03 |         | 3/8" Female BSPP (G) |              |       | 22mm | 1.22" (31.2mm) | 1.26oz (36.0g) |
| PCF06-M5  |         | M5 x 0.8             |              |       | 12mm | 1.05" (26.7mm) | 0.70oz (20.0g) |
| PCF08-01  | 8mm     | 1/8" Female BSPT (R) | 10           | Yes   | 14mm | 1.15" (29.4mm) | 0.67oz (19.0g) |
| PCF08-02  |         | 1/4" Female BSPT (R) |              |       | 17mm | 1.23" (31.4mm) | 0.84oz (24.0g) |
| PCF08-03  |         | 3/8" Female BSPT (R) |              |       | 22mm | 1.27" (32.4mm) | 1.37oz (39.0g) |
| PCF08-04  |         | 1/2" Female BSPT (R) |              |       | 24mm | 1.35" (34.4mm) | 1.44oz (41.0g) |
| PCF08-G01 |         | 1/8" Female BSPP (G) |              | No    | 14mm | 1.15" (29.4mm) | 0.67oz (19.0g) |
| PCF08-G02 |         | 1/4" Female BSPP (G) |              | Yes   | 17mm | 1.23" (31.4mm) | 0.84oz (24.0g) |
| PCF08-G03 |         | 3/8" Female BSPP (G) |              | No    | 22mm | 1.27" (32.4mm) | 1.34oz (38.0g) |
| PCF08-G04 |         | 1/2" Female BSPP (G) |              |       | 24mm | 1.35" (34.4mm) | 1.30oz (37.0g) |
| PCF10-01  | 10mm    | 1/8" Female BSPT (R) | 10           | Yes   | 17mm | 1.28" (32.6mm) | 1.09oz (31.0g) |
| PCF10-02  |         | 1/4" Female BSPT (R) |              |       | 17mm | 1.28" (32.6mm) | 0.92oz (26.0g) |
| PCF10-03  |         | 3/8" Female BSPT (R) |              |       | 22mm | 1.33" (33.6mm) | 1.45oz (41.0g) |
| PCF10-04  |         | 1/2" Female BSPT (R) |              |       | 24mm | 1.40" (35.6mm) | 1.52oz (43.0g) |
| PCF10-G01 |         | 1/8" Female BSPP (G) |              | No    | 17mm | 1.28" (32.6mm) | 1.09oz (31.0g) |
| PCF10-G02 |         | 1/4" Female BSPP (G) |              | Yes   | 17mm | 1.28" (32.6mm) | 0.88oz (25.0g) |
| PCF10-G03 |         | 3/8" Female BSPP (G) |              | No    | 22mm | 1.32" (33.6mm) | 1.37oz (39.0g) |
| PCF10-G04 |         | 1/2" Female BSPP (G) |              |       | 24mm | 1.41" (35.6mm) | 1.48oz (42.0g) |
| PCF12-02  | 12mm    | 1/4" Female BSPT (R) | 10           | Yes   | 22mm | 1.46" (37.1mm) | 1.90oz (54.0g) |
| PCF12-03  |         | 3/8" Female BSPT (R) |              |       | 22mm | 1.46" (37.1mm) | 1.62oz (46.0g) |
| PCF12-04  |         | 1/2" Female BSPT (R) | 5            |       | 24mm | 1.53" (39.1mm) | 1.76oz (50.0g) |
| PCF12-G02 |         | 1/4" Female BSPP (G) | 10           | No    | 22mm | 1.46" (37.1mm) | 1.83oz (52.0g) |
| PCF12-G03 |         | 3/8" Female BSPP (G) |              |       | 22mm | 1.46" (37.1mm) | 1.58oz (45.0g) |
| PCF12-G04 |         | 1/2" Female BSPP (G) |              |       | 24mm | 1.53" (39.1mm) | 1.69oz (48.0g) |

# Technifit™ Push-to-Connect Fittings

## Compact Hex Male Straight PC-C

Featuring a compact size, these fittings are in a straight male hex configuration.



### Fractional Tube Sizes

| Model      | Tube OD | Thread             | Package Qty. | Stock | Hex            | Length         | Weight         |
|------------|---------|--------------------|--------------|-------|----------------|----------------|----------------|
| PC1/8-UC   | 1/8"    | 10-32 Male         | 10           | Yes   | 5/16"          | 0.64" (16.4mm) | 0.07oz (2.00g) |
| PC1/8-NOC  |         | 1/16" Male NPT     |              | No    |                | 0.70" (18.0mm) | 0.14oz (4.00g) |
| PC1/8-N1C  |         | 1/8" Male NPT      |              | Yes   | 7/816"         | 0.68" (17.5mm) | 0.21oz (6.00g) |
| PC1/8-N2C  |         | 1/4" Male NPT      |              |       | 9/16"          | 0.84" (21.5mm) | 0.53oz (15.0g) |
| PC1/8-M3C  |         | M3 x 0.5           |              | No    | 7mm            | 0.63" (16.1mm) | 0.04oz (1.00g) |
| PC1/8-M5C  |         | M5 x 0.8           |              |       | 8mm            | 0.64" (16.3mm) | 0.11oz (3.00g) |
| PC1/8-M6C  |         | M6 x 1.0           |              |       |                | 0.65" (16.7mm) |                |
| PC1/8-01C  |         | 1/8" Male BSPT (R) |              |       | 10mm           | 0.66" (16.9mm) | 0.14oz (4.00g) |
| PC5/32-UC  | 5/32"   | 10-32 Male         | 10           | Yes   | 5/16"          | 0.66" (16.9mm) | 0.11oz (3.00g) |
| PC5/32-N0C |         | 1/16" Male NPT     |              | No    |                | 0.74" (18.9mm) | 0.18oz (5.00g) |
| PC5/32-N1C |         | 1/8" Male NPT      |              | Yes   | 7/16"          | 0.70" (17.9mm) | 0.32oz (9.00g) |
| PC5/32-01C |         | 1/8" Male BSPT (R) |              | No    | 10mm           | 0.65" (16.7mm) | 0.21oz (6.00g) |
| PC5/32-M3C |         | M3 x 0.5           |              |       | 8mm            | 0.66" (16.8mm) | 0.11oz (3.00g) |
| PC5/32-M5C |         | M5 x 0.8           |              |       |                | 0.67" (17.7mm) |                |
| PC5/32-M6C |         | M6 x 1.0           |              |       |                |                |                |
| PC1/4-UC   | 1/4"    | 10-32 Male         | 10           | Yes   | 7/16"          | 0.74" (18.9mm) | 0.35oz (10.0g) |
| PC1/4-N0C  |         | 1/16" Male NPT     |              |       |                | 0.86" (22.0mm) | 0.53oz (15.0g) |
| PC1/4-N1C  |         | 1/8" Male NPT      |              |       |                | 0.76" (19.5mm) | 0.64oz (18.0g) |
| PC1/4-01C  |         | 1/8" Male BSPT (R) |              | No    | 0.75" (19.3mm) |                |                |
| PC1/4-M5C  |         | M5 x 0.8           |              | Yes   | 11mm           | 0.74" (18.9mm) | 0.35oz (10.0g) |
| PC1/4-M6C  |         | M6 x 1.0           |              | No    |                | 0.76" (19.4mm) | 0.53oz (15.0g) |

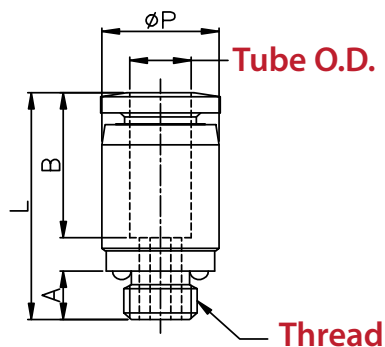
### Metric Tube Sizes

| Model     | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PC04-01C  | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 0.66" (16.9mm) | 0.21oz (6.00g) |
| PC04-G01C |         | 1/8" Male BSPP (G) |              |       | 12mm | 0.68" (17.4mm) | 0.28oz (8.00g) |
| PC04-M3C  |         | M3 x 0.5           |              | Yes   | 8mm  | 0.63" (16.1mm) | 0.14oz (4.00g) |
| PC04-M5C  |         | M5 x 0.8           |              |       |      | 0.64" (16.3mm) |                |
| PC04-M6C  |         | M6 x 1.0           |              | No    |      | 0.65" (16.7mm) |                |
| PC06-01C  | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 0.74" (18.9mm) | 0.24oz (7.00g) |
| PC06-G01C |         | 1/8" Male BSPP (G) |              |       | 12mm | 0.70" (17.9mm) | 0.32oz (9.00g) |
| PC06-M5C  |         | M5 x 0.8           |              | Yes   | 10mm | 0.73" (18.6mm) | 0.17oz (5.00g) |
| PC06-M6C  |         | M6 x 1.0           |              | No    |      | 0.74" (18.9mm) | 0.21oz (6.00g) |

# Technifit™ Push-to-Connect Fittings

## Compact Round Male Straight POC-C

Featuring a compact size, these fittings are in a straight male round configuration, providing the smallest package. Includes an internal hex for installation.



### Fractional Tube Sizes

| Model       | Tube OD            | Thread             | Package Qty. | Stock          | Hex            | Length         | Weight         |
|-------------|--------------------|--------------------|--------------|----------------|----------------|----------------|----------------|
| POC1/8-UC   | 1/8"               | 10-32 Male         | 10           | No             | 3/32"          | 0.64" (16.4mm) | 0.07oz (2.00g) |
| POC1/8-N0C  |                    | 1/16" Male NPT     |              |                |                | 0.70" (18.0mm) | 0.18oz (5.00g) |
| POC1/8-N1C  |                    | 1/8" Male NPT      |              | 0.64" (16.3mm) |                | 0.21oz (6.00g) |                |
| POC1/8-01C  |                    | 1/8" Male BSPT (R) |              | 0.61" (15.7mm) |                |                |                |
| POC1/8-M3C  |                    | M3 x 0.5           |              | 1.5mm          | 0.63" (16.1mm) | 0.14oz (4.00g) |                |
| POC1/8-M5C  |                    | M5 x 0.8           |              | 2mm            | 0.64" (16.3mm) |                |                |
| POC1/8-M6C  |                    | M6 x 1.0           |              |                | 0.65" (16.7mm) |                |                |
| POC5/32-UC  | 5/32"              | 10-32 Male         | 10           | Yes            | 3/32"          | 0.66" (17.0mm) | 0.11oz (3.00g) |
| POC5/32-N0C |                    | 1/16" Male NPT     |              | No             |                | 0.74" (18.9mm) | 0.14oz (16.0g) |
| POC5/32-N1C |                    | 1/8" Male NPT      |              | Yes            |                | 0.63" (16.2mm) | 0.32oz (18.0g) |
| POC5/32-01C |                    | 1/8" Male BSPT (R) |              | No             | 3mm            | 0.61" (15.7mm) | 0.21oz (6.00g) |
| POC5/32-M3C |                    | M3 x 0.5           |              |                | 1.5mm          | 0.66" (16.9mm) | 0.11oz (3.00g) |
| POC5/32-M5C |                    | M5 x 0.8           |              |                | 2.5mm          | 0.14oz (4.00g) |                |
| POC5/32-M6C |                    | M6 x 1.0           |              |                | 3mm            |                | 0.67" (17.2mm) |
| POC1/4-UC   |                    | 1/4"               |              | 10-32 Male     | 10             | No             | 3/32"          |
| POC1/4-N0C  | 1/16" Male NPT     |                    | 5/32"        | 0.86" (22.0mm) |                |                | 0.56oz (16.0g) |
| POC1/4-N1C  | 1/8" Male NPT      |                    |              | 0.76" (19.5mm) |                |                | 0.64oz (18.0g) |
| POC1/4-01C  | 1/8" Male BSPT (R) |                    | 4mm          | 0.75" (19.3mm) |                |                |                |
| POC1/4-M5C  | M5 x 0.8           |                    | 2.5mm        | 0.74" (18.9mm) |                |                | 0.56oz (16.0g) |
| POC1/4-M6C  | M6 x 1.0           |                    |              |                |                |                |                |

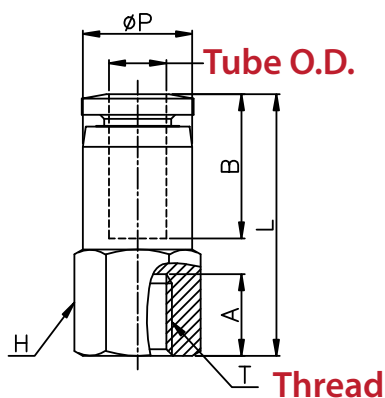
### Metric Tube Sizes

| Model     | Tube OD | Thread             | Package Qty. | Stock | Hex   | Length         | Weight         |
|-----------|---------|--------------------|--------------|-------|-------|----------------|----------------|
| POC04-01C | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 3mm   | 0.61" (15.7mm) | 0.18oz (5.00g) |
| POC04-M3C |         | 1/8" Male BSPP (G) |              | Yes   | 1.5mm | 0.66" (16.8mm) | 0.11oz (2.00g) |
| POC04-M5C |         | M3 x 0.5           |              | No    | 2.5mm | 0.66" (16.9mm) | 0.14oz (2.00g) |
| POC04-M6C |         | M5 x 0.8           |              |       | 3mm   | 0.67" (17.2mm) | 0.14oz (4.00g) |
| POC06-01C | 6mm     | M6 x 1.0           | 10           | No    | 4mm   | 0.74" (18.9mm) | 0.21oz (6.00g) |
| POC06-M5C |         | 1/8" Male BSPT (R) |              |       | 2.5mm | 0.73" (18.6mm) | 0.18oz (5.00g) |
| POC06-M6C |         | 1/8" Male BSPP (G) |              |       | 3mm   | 0.73" (18.6mm) | 0.18oz (5.00g) |

# Technifit™ Push-to-Connect Fittings

## Compact Hex Female Straight – PCF-C

Featuring a compact size, these fittings are in a straight female hex configuration.



### Fractional Tube Sizes

| Model       | Tube OD              | Thread               | Package Qty.   | Stock          | Hex    | Length         | Weight         |
|-------------|----------------------|----------------------|----------------|----------------|--------|----------------|----------------|
| PCF1/8-UC   | 1/8"                 | 10-32 Female         | 10             | Yes            | 5/16"  | 0.74" (18.8mm) | 0.07oz (2.00g) |
| PCF1/8-N0C  |                      | 1/16" Female NPT     |                | No             | 13/32" | 0.80" (20.5mm) | 0.10oz (3.00g) |
| PCF1/8-N1C  |                      | 1/8" Female NPT      |                | Yes            | 7/16"  | 0.88" (22.5mm) |                |
| PCF1/8-N2C  |                      | 1/4" Female NPT      |                |                | 11/16" | 0.99" (25.3mm) | 0.24oz (7.00g) |
| PCF1/8-01C  |                      | 1/8" Female BSPT (R) |                | No             | 8mm    | 0.63" (16.2mm) | 0.14oz (4.00g) |
| PCF1/8-M3C  |                      | M3 x 0.5             |                |                |        | 0.73" (18.7mm) | 0.17oz (5.00g) |
| PCF1/8-M5C  |                      | M5 x 0.8             |                |                |        | 0.88" (22.4mm) | 0.10oz (3.00g) |
| PCF1/8-M6C  |                      | M6 x 1.0             |                |                |        |                |                |
| PCF5/32-UC  | 5/32"                | 10-32 Female         | 10             | Yes            | 5/16"  | 0.75" (19.2mm) | 0.17oz (5.00g) |
| PCF5/32-N0C |                      | 1/16" Female NPT     |                | No             | 13/32" | 0.83" (21.2mm) | 0.21oz (6.00g) |
| PCF5/32-N1C |                      | 1/8" Female NPT      |                | Yes            | 7/16"  | 0.89" (22.7mm) |                |
| PCF5/32-01C |                      | 1/8" Female BSPT (R) |                | No             | 8mm    | 12mm           | 0.24oz (7.00g) |
| PCF5/32-M3C |                      | M3 x 0.5             |                |                |        | 0.69" (17.7mm) | 0.14oz (4.00g) |
| PCF5/32-M5C |                      | M5 x 0.8             |                |                |        | 0.75" (19.2mm) |                |
| PCF5/32-M6C |                      | M6 x 1.0             |                |                |        |                | 0.17oz (5.00g) |
| PCF1/4-UC   |                      | 1/4"                 |                | 10-32 Female   | 10     | Yes            | 7/16"          |
| PCF1/4-N0C  | 1/16" Female NPT     |                      | 0.88" (22.5mm) | 0.24oz (7.00g) |        |                |                |
| PCF1/4-N1C  | 1/8" Female NPT      |                      | 0.93" (23.8mm) | 0.28oz (8.00g) |        |                |                |
| PCF1/4-01C  | 1/8" Female BSPT (R) |                      |                |                |        |                |                |
| PCF1/4-M5C  | M5 x 0.8             |                      | No             | 10mm           |        | 0.88" (22.5mm) | 0.21oz (6.00g) |
| PCF1/4-M6C  | M6 x 1.0             |                      |                |                |        | 0.80" (20.5mm) | 0.24oz (7.00g) |

### Metric Tube Sizes

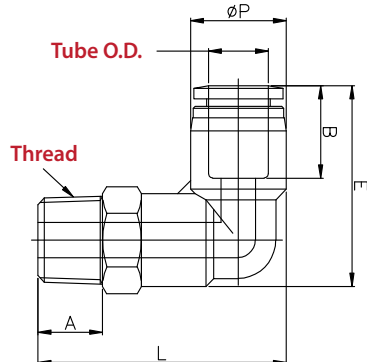
| Model     | Tube OD | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|----------------------|--------------|-------|------|----------------|----------------|
| PCF04-01C | 4mm     | 1/8" Female BSPT (R) | 10           | No    | 12mm | 0.89" (22.7mm) | 0.17oz (5.00g) |
| PCF04-M3C |         | M3 x 0.5             |              |       | 8mm  | 0.75" (19.2mm) | 0.10oz (3.00g) |
| PCF04-M5C |         | M5 x 0.8             |              |       |      |                | 0.14oz (4.00g) |
| PCF04-M6C |         | M6 x 1.0             |              |       |      |                |                |
| PCF06-01C | 6mm     | 1/8" Female BSPT (R) | 10           | No    | 12mm | 0.93" (23.7mm) | 0.21oz (6.00g) |
| PCF06-M5C |         | M5 x 0.8             |              |       | 10mm | 0.77" (19.7mm) | 0.17oz (5.00g) |
| PCF06-M6C |         | M6 x 1.0             |              |       |      |                |                |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Elbow Fittings

### Swivel Male Elbow – PL

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.

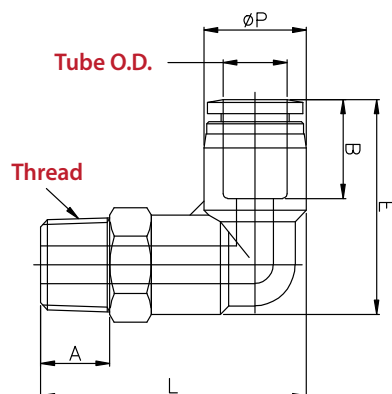


Fractional Tube Sizes

| Model     | Tube OD | Thread             | Package Qty. | Stock | Hex            | Length         | Weight         |
|-----------|---------|--------------------|--------------|-------|----------------|----------------|----------------|
| PL5/32-U  | 5/32"   | 10-32 Male         | 10           | Yes   | 7/16"          | 0.84" (21.4mm) | 0.27oz (7.80g) |
| PL5/32-N1 |         | 1/8" Male NPT      |              |       |                | 0.98" (25.0mm) | 0.34oz (9.80g) |
| PL5/32-N2 |         | 1/4" Male NPT      |              |       | 1.10" (28.0mm) | 0.59oz (16.8g) |                |
| PL3/16-U  | 3/16"   | 10-32 Male         | 10           | Yes   | 7/16"          | 0.84" (21.4mm) | 0.27oz (7.70g) |
| PL3/16-N1 |         | 1/8" Male NPT      |              |       |                | 0.98" (25.0mm) | 0.51oz (14.7g) |
| PL3/16-N2 |         | 1/4" Male NPT      |              |       | 1.10" (28.0mm) | 0.69oz (19.7g) |                |
| PL3/16-N3 |         | 3/8" Male NPT      |              | No    | 11/16"         | 1.14" (29.0mm) | 1.15oz (32.7g) |
| PL1/4-U   | 1/4"    | 10-32 Male         | 10           | Yes   | 1/2"           | 1.01" (25.9mm) | 0.42oz (11.7g) |
| PL1/4-N1  |         | 1/8" Male NPT      |              |       |                | 1.09" (27.8mm) | 0.51oz (14.7g) |
| PL1/4-N2  |         | 1/4" Male NPT      |              |       | 9/16"          | 1.20" (30.5mm) | 0.69oz (19.7g) |
| PL1/4-N3  |         | 3/8" Male NPT      |              |       | 11/16"         | 1.24" (31.5mm) | 1.16oz (32.7g) |
| PL1/4-01  |         | 1/8" Male BSPT (R) |              | 12mm  | 1.06" (27.0mm) | 0.51oz (14.7g) |                |
| PL1/4-02  |         | 1/4" Male BSPT (R) |              | No    | 14mm           | 1.18" (30.0mm) | 0.69oz (19.7g) |
| PL1/4-03  |         | 3/8" Male BSPT (R) |              |       | 17mm           | 1.22" (31.0mm) | 1.15oz (32.7g) |
| PL5/16-N1 | 5/16"   | 1/8" Male NPT      | 10           | Yes   | 9/16"          | 1.16" (29.5mm) | 0.63oz (17.7g) |
| PL5/16-N2 |         | 1/4" Male NPT      |              |       |                | 1.24" (31.5mm) | 0.80oz (22.7g) |
| PL5/16-N3 |         | 3/8" Male NPT      |              |       | 11/16"         | 1.25" (32.5mm) | 1.25oz (35.7g) |
| PL5/16-N4 |         | 1/2" Male NPT      |              |       |                | 7/8"           | 1.98oz (55.7g) |
| PL5/16-01 |         | 1/8" Male BSPT (R) |              | No    | 14mm           | 1.10" (28.0mm) | 0.62oz (17.7g) |
| PL5/16-02 |         | 1/4" Male BSPT (R) |              | Yes   |                | 1.22" (31.0mm) | 0.80oz (22.7g) |
| PL5/16-03 |         | 3/8" Male BSPT (R) |              | No    | 17mm           | 1.25" (32.0mm) | 1.25oz (35.7g) |
| PL3/8-N1  | 3/8"    | 1/8" Male NPT      | 10           | Yes   | 11/16"         | 1.18" (30.0mm) | 0.85oz (24.2g) |
| PL3/8-N2  |         | 1/4" Male NPT      |              |       |                | 1.25" (32.0mm) | 0.99oz (28.2g) |
| PL3/8-N3  |         | 3/8" Male NPT      |              |       |                | 1.29" (33.0mm) | 1.17oz (33.2g) |
| PL3/8-N4  |         | 1/2" Male NPT      |              |       | 7/8"           | 1.41" (36.0mm) | 1.87oz (53.2g) |
| PL3/8-01  |         | 1/8" Male BSPT (R) |              | No    | 17mm           | 0.95" (24.2mm) | 0.85oz (24.2g) |
| PL3/8-02  |         | 1/4" Male BSPT (R) |              | Yes   |                | 1.11" (28.2mm) | 0.99oz (28.2g) |
| PL3/8-03  |         | 3/8" Male BSPT (R) |              | No    |                | 1.30" (33.2mm) | 1.17oz (33.2g) |
| PL3/8-04  |         | 1/2" Male BSPT (R) |              |       | 21mm           | 2.08" (53.2mm) | 1.88oz (53.2g) |
| PL1/2-N2  | 1/2"    | 1/4" Male NPT      | 10           | Yes   | 3/4"           | 1.39" (35.5mm) | 1.26oz (36.0g) |
| PL1/2-N3  |         | 3/8" Male NPT      |              |       |                | 1.42" (36.5mm) | 1.58oz (45.0g) |
| PL1/2-N4  |         | 1/2" Male NPT      |              |       | 7/8"           | 1.55" (39.5mm) | 2.22oz (63.0g) |
| PL1/2-02  |         | 1/4" Male BSPT (R) |              |       |                | 1.41" (36.0mm) | 1.27oz (36.0g) |
| PL1/2-03  |         | 3/8" Male BSPT (R) |              |       | 19mm           | 1.77" (45.0mm) | 1.59oz (45.0g) |
| PL1/2-04  |         | 1/2" Male BSPT (R) |              |       |                | 21mm           | 2.48" (63.0mm) |

# Technifit™ Push-to-Connect Fittings

## Swivel Male Elbow – PL (continued)

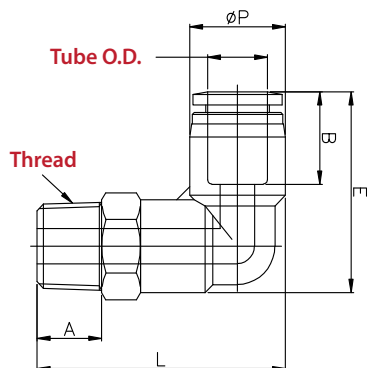


### Metric Tube Sizes

| Model    | Tube OD            | Thread             | Package Qty.       | Stock          | Hex                | Length         | Weight         |                |                |
|----------|--------------------|--------------------|--------------------|----------------|--------------------|----------------|----------------|----------------|----------------|
| PL04-01  | 4mm                | 1/8" Male BSPT (R) | 10                 | Yes            | 10mm               | 0.96" (24.5mm) | 0.35oz (10.0g) |                |                |
| PL04-02  |                    | 1/4" Male BSPT (R) |                    |                | 14mm               | 1.04" (26.5mm) | 0.52oz (15.0g) |                |                |
| PL04-03  |                    | 3/8" Male BSPT (R) |                    |                | 17mm               | 1.08" (27.5mm) | 0.91oz (26.0g) |                |                |
| PL04-G01 |                    | 1/2" Male BSPT (R) |                    |                | 14mm               | 0.84" (21.5mm) | 0.45oz (13.0g) |                |                |
| PL04-G02 |                    | 1/4" Male BSPP (G) |                    |                | 17mm               | 0.92" (23.5mm) | 0.59oz (17.0g) |                |                |
| PL04-G03 |                    | 3/8" Male BSPP (G) |                    |                | 20mm               | 0.90" (23.0mm) | 0.77oz (22.0g) |                |                |
| PL04-M5  |                    | M5 x 0.8           |                    |                | 10mm               | 0.80" (20.5mm) | 0.21oz (6.00g) |                |                |
| PL04-M6  |                    | M6 x 1.0           |                    |                |                    | 0.81" (20.6mm) | 0.28oz (8.00g) |                |                |
| PL06-01  |                    | 6mm                |                    |                | 1/8" Male BSPT (R) | 10             | Yes            | 12mm           | 1.04" (26.5mm) |
| PL06-02  | 1/4" Male BSPT (R) |                    | 14mm               | 1.16" (29.5mm) | 0.67oz (19.0g)     |                |                |                |                |
| PL06-03  | 3/8" Male BSPT (R) |                    | 17mm               | 1.20" (30.5mm) | 0.95oz (27.0g)     |                |                |                |                |
| PL06-04  | 1/2" Male BSPT (R) |                    | 21mm               | 1.31" (33.5mm) | 1.37oz (39.0g)     |                |                |                |                |
| PL06-G01 | 1/8" Male BSPP (G) |                    | 14mm               | 0.92" (23.5mm) | 0.52oz (15.0g)     |                |                |                |                |
| PL06-G02 | 1/4" Male BSPP (G) |                    | 17mm               | 1.00" (25.5mm) | 0.63oz (18.0g)     |                |                |                |                |
| PL06-G03 | 3/8" Male BSPP (G) |                    | 20mm               | 0.98" (25.0mm) | 0.88oz (25.0g)     |                |                |                |                |
| PL06-M5  | M5 x 0.8           |                    | 12mm               | 0.88" (22.6mm) | 0.24oz (7.00g)     |                |                |                |                |
| PL06-M6  | M6 x 1.0           |                    | 12mm               |                | 0.42oz (12.0g)     |                |                |                |                |
| PL06-M12 | M12 x 1.5          |                    | No                 | N/A            | N/A                |                | N/A            |                |                |
| PL06-M16 | M16 x 1.5          |                    |                    |                |                    |                |                |                |                |
| PL08-01  | 8mm                |                    | 1/8" Male BSPT (R) | 10             | Yes                |                | 14mm           | 1.10" (28.0mm) | 0.63oz (18.0g) |
| PL08-02  |                    |                    | 1/4" Male BSPT (R) |                |                    |                |                | 1.22" (31.0mm) | 0.77oz (22.0g) |
| PL08-03  |                    | 3/8" Male BSPT (R) | 17mm               |                |                    | 1.25" (32.0mm) | 0.95oz (27.0g) |                |                |
| PL08-04  |                    | 1/2" Male BSPT (R) | 21mm               |                |                    | 1.37" (35.0mm) | 1.51oz (43.0g) |                |                |
| PL08-G01 |                    | 1/8" Male BSPP (G) | 14mm               |                |                    | 0.98" (25.0mm) | 0.56oz (16.0g) |                |                |
| PL08-G02 |                    | 1/4" Male BSPP (G) | 17mm               |                |                    | 1.06" (27.0mm) | 0.74oz (21.0g) |                |                |
| PL08-G03 |                    | 3/8" Male BSPP (G) | 20mm               |                |                    | 1.04" (26.5mm) | 0.88oz (25.0g) |                |                |
| PL08-G04 |                    | 1/2" Male BSPP (G) | 24mm               |                |                    | 1.10" (28.0mm) | 1.30oz (37.0g) |                |                |
| PL08-M12 |                    | M12 x 1.5          | No                 |                | N/A                | N/A            | N/A            |                |                |
| PL08-M16 |                    | M16 x 1.5          |                    |                |                    |                |                |                |                |
| PL08-M22 |                    | M22 x 1.5          |                    |                |                    |                |                |                |                |
| PL10-01  |                    | 10mm               | 1/8" Male BSPT (R) |                | 10                 | Yes            | 17mm           | 1.12" (28.5mm) | 0.91oz (26.0g) |
| PL10-02  |                    |                    | 1/4" Male BSPT (R) |                |                    |                |                | 1.24" (31.5mm) | 0.98oz (28.0g) |
| PL10-03  | 3/8" Male BSPT (R) |                    | 1.27" (32.5mm)     | 1.05oz (30.0g) |                    |                |                |                |                |
| PL10-04  | 1/2" Male BSPT (R) |                    | 5                  | 21mm           |                    |                | 1.39" (35.5mm) | 1.41oz (40.0g) |                |
| PL10-G01 | 1/8" Male BSPP (G) |                    | 10                 | 17mm           |                    |                | 1.00" (25.5mm) | 0.81oz (23.0g) |                |
| PL10-G02 | 1/4" Male BSPP (G) |                    |                    |                |                    |                | 1.08" (27.5mm) | 0.84oz (24.0g) |                |
| PL10-G03 | 3/8" Male BSPP (G) |                    |                    | 20mm           |                    |                | 1.06" (27.0mm) | 0.98oz (28.0g) |                |
| PL10-G04 | 1/2" Male BSPP (G) |                    | 5                  | 24mm           |                    |                | 1.12" (28.5mm) | 1.48oz (42.0g) |                |
| PL10-M12 | M12 x 1.5          |                    | 10                 | No             |                    |                | N/A            | N/A            | N/A            |
| PL10-M16 | M16 x 1.5          |                    |                    |                |                    |                |                |                |                |
| PL10-M22 | M22 x 1.5          |                    |                    |                |                    | 5              |                |                |                |

# Technifit™ Push-to-Connect Fittings

## Swivel Male Elbow – PL (continued)



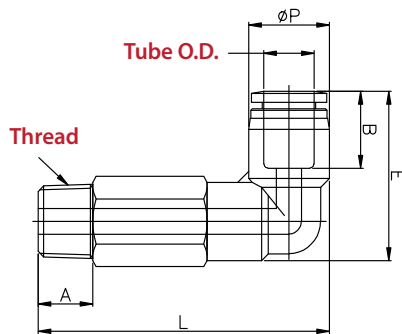
### Metric Tube Sizes

| Model    | Tube OD   | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------|-----------|--------------------|--------------|-------|------|----------------|----------------|
| PL12-01  | 12mm      | 1/8" Male BSPT (R) | 5            | Yes   | 19mm | 1.27" (32.4mm) | 1.48oz (42.0g) |
| PL12-02  |           | 1/4" Male BSPT (R) |              |       |      | 1.35" (34.4mm) | 1.41oz (40.0g) |
| PL12-03  |           | 3/8" Male BSPT (R) |              |       |      | 1.39" (35.4mm) | 1.51oz (43.0g) |
| PL12-04  |           | 1/2" Male BSPT (R) |              |       | 21mm | 1.51" (38.4mm) | 1.83oz (52.0g) |
| PL12-G02 |           | 1/4" Male BSPP (G) |              |       | 19mm | 1.19" (30.4mm) | 1.26oz (36.0g) |
| PL12-G03 |           | 3/8" Male BSPP (G) |              |       | 20mm | 1.17" (29.9mm) | 1.34oz (38.0g) |
| PL12-G04 |           | 1/2" Male BSPP (G) |              |       | 24mm | 1.23" (31.4mm) | 1.58oz (45.0g) |
| PL12-M12 |           | M12 x 1.5          |              |       | No   | N/A            | N/A            |
| PL12-M14 |           | M14 x 1.5          |              |       |      |                |                |
| PL12-M16 |           | M16 x 1.5          |              |       |      |                |                |
| PL12-M22 | M22 x 1.5 |                    |              |       |      |                |                |
| PL14-03  | 14mm      | 3/8" Male BSPT (R) | 5            | Yes   | 22mm | 1.49" (38.0mm) | 1.76oz (50.0g) |
| PL14-04  |           | 1/2" Male BSPT (R) |              |       |      | 1.61" (41.0mm) | 2.11oz (60.0g) |
| PL14-G03 |           | 3/8" Male BSPP (G) |              |       |      | 1.33" (34.0mm) | 1.59oz (45.0g) |
| PL14-G04 |           | 1/2" Male BSPP (G) |              | No    | 24mm | 1.39" (35.5mm) | 1.76oz (50.0g) |
| PL16-03  | 16mm      | 3/8" Male BSPT (R) | 5            | Yes   | 24mm | 1.68" (42.8mm) | 2.43oz (69.0g) |
| PL16-04  |           | 1/2" Male BSPT (R) |              |       |      | 1.80" (45.8mm) | 2.71oz (77.0g) |
| PL16-G03 |           | 3/8" Male BSPP (G) |              |       |      | 1.54" (39.3mm) | 2.32oz (66.0g) |
| PL16-G04 |           | 1/2" Male BSPP (G) |              |       |      | 1.60" (40.8mm) | 2.46oz (70.0g) |

# Technifit™ Push-to-Connect Fittings

## Extended Swivel Male Elbow – PLL

Extended Swivel Male Elbows are configured in a 90° extended body with an external hex for tightening. The extended body allows the fitting to reach above shorter elbows in areas of limited access.



Fractional Tube Sizes

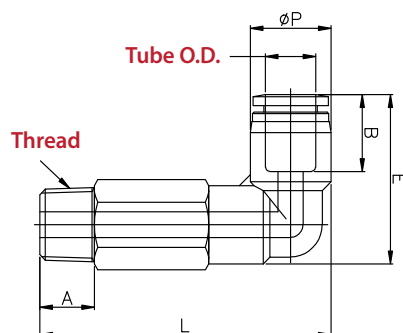
| Model      | Tube OD | Thread             | Package Qty. | Stock  | Hex            | Length         | Weight         |
|------------|---------|--------------------|--------------|--------|----------------|----------------|----------------|
| PLL5/32-U  | 5/32"   | 10-32 Male         | 10           | Yes    | 7/16"          | 1.27" (32.5mm) | 0.55oz (15.8g) |
| PLL5/32-N1 |         | 1/8" Male NPT      |              |        | 1.41" (36.0mm) | 0.62oz (17.8g) |                |
| PLL5/32-N2 |         | 1/4" Male NPT      |              |        | 9/16"          | 1.47" (37.5mm) | 1.12oz (31.8g) |
| PLL3/16-U  | 3/16"   | 10-32 Male         | 10           | Yes    | 7/16"          | 1.33" (33.8mm) | 0.55oz (15.7g) |
| PLL3/16-N1 |         | 1/8" Male NPT      |              | No     | 1.41" (36.0mm) | 0.62oz (17.7g) |                |
| PLL3/16-N2 |         | 1/4" Male NPT      |              |        | 9/16"          | 1.47" (37.5mm) | 1.11oz (31.7g) |
| PLL3/16-N3 |         | 3/8" Male NPT      |              |        | 11/16"         | 1.53" (39.0mm) | 1.41oz (39.7g) |
| PLL1/4-U   | 1/4"    | 10-32 Male         | 10           | Yes    | 1/2"           | 1.47" (37.5mm) | 0.99oz (27.7g) |
| PLL1/4-N1  |         | 1/8" Male NPT      |              |        | 1.61" (41.0mm) | 1.02oz (28.7g) |                |
| PLL1/4-N2  |         | 1/4" Male NPT      |              |        | 9/16"          | 1.73" (44.0mm) | 1.22oz (34.7g) |
| PLL1/4-N3  |         | 3/8" Male NPT      |              | 11/16" | 1.77" (45.0mm) | 1.75oz (49.7g) |                |
| PLL1/4-01  |         | 1/8" Male BSPT (R) |              | No     | 12mm           | 1.59" (40.5mm) | 1.01oz (28.7g) |
| PLL1/4-02  |         | 1/4" Male BSPT (R) |              |        | 14mm           | 1.67" (42.5mm) | 1.22oz (34.7g) |
| PLL5/16-N1 | 5/16"   | 1/8" Male NPT      | 10           | Yes    | 9/16"          | 1.75" (44.5mm) | 1.27oz (35.7g) |
| PLL5/16-N2 |         | 1/4" Male NPT      | No           |        | 1.83" (46.5mm) | 1.40oz (39.7g) |                |
| PLL5/16-N3 |         | 3/8" Male NPT      |              | 5      | 11/16"         | 1.98" (50.5mm) | 2.10oz (59.7g) |
| PLL5/16-01 |         | 1/8" Male BSPT (R) |              | 10     | 14mm           | 1.73" (44.0mm) | 1.26oz (35.7g) |
| PLL5/16-02 |         | 1/4" Male BSPT (R) |              |        | 1.81" (46.0mm) | 1.40oz (39.7g) |                |
| PLL3/8-N2  | 3/8"    | 1/4" Male NPT      | 5            | Yes    | 11/16"         | 1.96" (50.0mm) | 2.26oz (64.2g) |
| PLL3/8-N3  |         | 3/8" Male NPT      |              |        | 2.00" (51.0mm) | 2.44oz (69.2g) |                |
| PLL3/8-N4  |         | 1/2" Male NPT      |              |        | 7/8"           | 2.12" (54.0mm) | 3.49oz (99.2g) |
| PLL3/8-01  |         | 1/8" Male BSPT (R) |              | No     | 17mm           | 1.95" (49.7mm) | 2.26oz (64.2g) |
| PLL3/8-02  |         | 1/4" Male BSPT (R) |              |        |                | 1.99" (50.7mm) | 2.44oz (69.2g) |
| PLL1/2-N2  | 1/2"    | 1/4" Male NPT      | 5            | Yes    | 3/4"           | 2.26" (57.5mm) | 3.13oz (89.0g) |
| PLL1/2-N3  |         | 3/8" Male NPT      |              |        | 2.30" (58.5mm) | 4.19oz (119g)  |                |
| PLL1/2-N4  |         | 1/2" Male NPT      |              |        | 7/8"           | 2.42" (61.5mm) | 5.64oz (159g)  |

# Technifit™ Push-to-Connect Fittings

## Extended Swivel Male Elbow – PLL (continued)

### Metric Tube Sizes

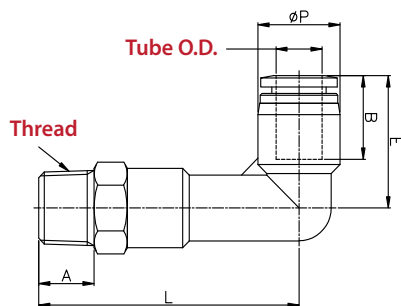
| Model     | Tube OD            | Thread             | Package Qty.       | Stock          | Hex            | Length         | Weight         |                |
|-----------|--------------------|--------------------|--------------------|----------------|----------------|----------------|----------------|----------------|
| PLL04-01  | 4mm                | 1/8" Male BSPT (R) | 10                 | Yes            | 10mm           | 1.39" (35.5mm) | 0.56oz (16.0g) |                |
| PLL04-02  |                    | 1/4" Male BSPT (R) |                    |                | 14mm           | 1.47" (37.5mm) | 0.98oz (28.0g) |                |
| PLL04-03  |                    | 3/8" Male BSPT (R) |                    | No             | 17mm           | 1.51" (38.5mm) | 1.37oz (39.0g) |                |
| PLL04-G01 |                    | 1/8" Male BSPP (G) |                    |                | 14mm           | 1.31" (33.5mm) | 0.95oz (27.0g) |                |
| PLL04-G02 |                    | 1/4" Male BSPP (G) |                    |                | 17mm           | 1.39" (35.5mm) | 1.41oz (40.0g) |                |
| PLL04-G03 |                    | 3/8" Male BSPP (G) |                    |                | 20mm           | 1.45" (37.0mm) | 1.83oz (52.0g) |                |
| PLL04-M5  |                    | M5 x 0.8           |                    |                | 10mm           | 1.29" (33.0mm) | 0.63oz (18.0g) |                |
| PLL04-M6  |                    | M6 x 1.0           |                    |                |                | 1.30" (33.2mm) | 0.63oz (16.0g) |                |
| PLL06-01  | 6mm                | 1/8" Male BSPT (R) | 10                 | Yes            | 12mm           | 1.57" (40.0mm) | 0.88oz (25.0g) |                |
| PLL06-02  |                    | 1/4" Male BSPT (R) |                    |                | 14mm           | 1.65" (42.0mm) | 1.16oz (33.0g) |                |
| PLL06-03  |                    | 3/8" Male BSPT (R) |                    |                | 17mm           | 1.69" (43.0mm) | 1.69oz (48.0g) |                |
| PLL06-04  |                    | 1/2" Male BSPT (R) | 5                  | No             | 21mm           | 1.81" (46.0mm) | 3.39oz (96.0g) |                |
| PLL06-G01 |                    | 1/8" Male BSPP (G) |                    |                | 10             | 14mm           | 1.47" (37.5mm) | 1.06oz (30.0g) |
| PLL06-G02 |                    | 1/4" Male BSPP (G) |                    |                |                | 17mm           | 1.55" (39.5mm) | 1.55oz (44.0g) |
| PLL06-G03 |                    | 3/8" Male BSPP (G) |                    |                |                | 20mm           | 1.53" (39.0mm) | 1.98oz (56.0g) |
| PLL06-M5  |                    | M5 x 0.8           | Yes                | 12mm           | 1.47" (37.5mm) | 0.88oz (25.0g) |                |                |
| PLL06-M6  |                    | M6 x 1.0           |                    |                | No             | 1.47" (37.7mm) | 0.88oz (25.0g) |                |
| PLL08-01  |                    | 8mm                | 1/8" Male BSPT (R) | 10             | Yes            | 14mm           | 1.73" (44.0mm) | 1.30oz (37.0g) |
| PLL08-02  | 1/4" Male BSPT (R) |                    | 1.81" (46.0mm)     |                |                |                | 1.30oz (37.0g) |                |
| PLL08-03  | 3/8" Male BSPT (R) |                    | 17mm               |                |                | 1.85" (47.0mm) | 2.12oz (60.0g) |                |
| PLL08-04  | 1/2" Male BSPT (R) |                    | 5                  | 22mm           |                | 1.96" (50.0mm) | 3.17oz (90.0g) |                |
| PLL08-G01 | 1/8" Male BSPP (G) |                    |                    | No             |                | 14mm           | 1.61" (41.0mm) | 2.08oz (59.0g) |
| PLL08-G02 | 1/4" Male BSPP (G) |                    | 17mm               |                | 1.63" (43.0mm) | 2.29oz (65.0g) |                |                |
| PLL08-G03 | 3/8" Male BSPP (G) |                    | 5                  |                | 20mm           | 1.67" (42.5mm) | 2.57oz (73.0g) |                |
| PLL08-G04 | 1/2" Male BSPP (G) |                    |                    |                | 24mm           | 1.73" (44.0mm) | 3.59oz (102g)  |                |
| PLL10-01  | 10mm               |                    | 1/8" Male BSPT (R) |                | 5              | Yes            | 17mm           | 1.87" (47.7mm) |
| PLL10-02  |                    |                    | 1/4" Male BSPT (R) | 1.95" (49.7mm) |                |                |                | 2.29oz (65.0g) |
| PLL10-03  |                    | 3/8" Male BSPT (R) | 1.99" (50.7mm)     | 2.01oz (57.0g) |                |                |                |                |
| PLL10-04  |                    | 1/2" Male BSPT (R) | 22mm               | 2.08" (53.0mm) |                |                | 3.53oz (100g)  |                |
| PLL10-G01 |                    | 1/8" Male BSPP (G) | No                 | 17mm           |                | 1.75" (44.5mm) | 2.08oz (59.0g) |                |
| PLL10-G02 |                    | 1/4" Male BSPP (G) |                    |                |                | 1.83" (46.5mm) | 2.29oz (65.0g) |                |
| PLL10-G03 |                    | 3/8" Male BSPP (G) |                    | 20mm           |                | 1.81" (46.0mm) | 2.58oz (73.0g) |                |
| PLL10-G04 |                    | 1/2" Male BSPP (G) |                    | 24mm           |                | 1.87" (47.5mm) | 3.60oz (102g)  |                |
| PLL12-01  | 12mm               | 1/8" Male BSPT (R) | 5                  | No             | 19mm           | 2.12" (53.9mm) | 3.21oz (91.0g) |                |
| PLL12-02  |                    | 1/4" Male BSPT (R) |                    | Yes            |                | 2.20" (55.9mm) | 3.17oz (90.0g) |                |
| PLL12-03  |                    | 3/8" Male BSPT (R) |                    |                |                | 2.24" (56.9mm) | 2.96oz (84.0g) |                |
| PLL12-04  |                    | 1/2" Male BSPT (R) |                    | 22mm           | 2.35" (59.9mm) | 4.09oz (116g)  |                |                |
| PLL12-G02 |                    | 1/4" Male BSPP (G) |                    | No             | 19mm           | 2.06" (52.4mm) | 2.93oz (83.0g) |                |
| PLL12-G03 |                    | 3/8" Male BSPP (G) |                    |                | 20mm           | 2.04" (51.9mm) | 2.96oz (84.0g) |                |
| PLL12-G04 |                    | 1/2" Male BSPP (G) |                    |                | 24mm           | 2.10" (53.4mm) | 4.16oz (118g)  |                |
| PLL16-03  | 16mm               | 3/8" Male BSPT (R) | 5                  | No             | 24mm           | 2.70" (68.8mm) | 5.11oz (145g)  |                |
| PLL16-04  |                    | 1/2" Male BSPT (R) |                    |                |                | 2.82" (71.8mm) |                |                |
| PLL16-G03 |                    | 3/8" Male BSPP (G) |                    |                |                | 2.57" (65.3mm) |                |                |
| PLL16-G04 |                    | 1/2" Male BSPP (G) |                    |                |                | 2.62" (66.8mm) |                |                |



# Technifit™ Push-to-Connect Fittings

## Long Swivel Male Elbow – PLLP

Long Swivel Male Elbows are configured in a 90° extra-long body with an external hex for installation. The long body allows the fitting to reach above shorter elbows in areas of limited access.



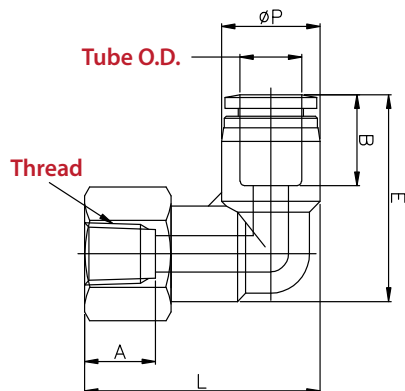
### Metric Tube Sizes

| Model      | Tube OD            | Thread             | Package Qty.   | Stock          | Hex                | Length         | Weight         |
|------------|--------------------|--------------------|----------------|----------------|--------------------|----------------|----------------|
| PLLP04-01  | 4mm                | 1/8" Male BSPT (R) | 10             | No             | 10mm               | 1.43" (36.5mm) | 0.35oz (9.90g) |
| PLLP04-02  |                    | 1/4" Male BSPT (R) |                |                | 14mm               | 1.51" (38.5mm) | 0.53oz (14.9g) |
| PLLP04-03  |                    | 3/8" Male BSPT (R) |                |                | 17mm               | 1.55" (39.5mm) | 0.84oz (23.7g) |
| PLLP04-G01 |                    | 1/8" Male BSPP (G) |                |                | 14mm               | 1.39" (35.5mm) | 0.46oz (12.9g) |
| PLLP04-G02 |                    | 1/4" Male BSPP (G) |                |                | 17mm               | 1.39" (35.5mm) | 0.60oz (16.9g) |
| PLLP04-G03 |                    | 3/8" Male BSPP (G) |                |                | 20mm               | 1.37" (35.0mm) | 0.70oz (19.7g) |
| PLLP04-M5  |                    | M5 x 0.8           |                |                | 10mm               | 1.27" (32.5mm) | 0.19oz (5.60g) |
| PLLP04-M6  |                    | M6 x 1.0           |                |                |                    | 1.27" (32.6mm) | 0.28oz (8.00g) |
| PLLP06-01  | 6mm                | 1/8" Male BSPT (R) | 10             | No             | 12mm               | 1.59" (40.5mm) | 0.49oz (13.8g) |
| PLLP06-02  |                    | 1/4" Male BSPT (R) |                |                | 14mm               | 1.71" (43.5mm) | 0.67oz (18.9g) |
| PLLP06-03  |                    | 3/8" Male BSPT (R) |                |                | 17mm               | 1.75" (44.5mm) | 0.92oz (26.1g) |
| PLLP06-04  |                    | 1/2" Male BSPT (R) |                |                | 21mm               | 1.87" (47.5mm) | 1.42oz (40.3g) |
| PLLP06-G01 |                    | 1/8" Male BSPP (G) |                |                | 14mm               | 1.47" (37.5mm) | 0.56oz (15.8g) |
| PLLP06-G02 |                    | 1/4" Male BSPP (G) |                |                | 17mm               | 1.55" (39.5mm) | 0.63oz (17.9g) |
| PLLP06-G03 |                    | 3/8" Male BSPP (G) |                |                | 20mm               | 1.53" (39.0mm) | 0.85oz (24.1g) |
| PLLP06-M5  |                    | M5 x 0.8           |                |                | 12mm               | 1.43" (36.5mm) | 0.27oz (7.70g) |
| PLLP06-M6  |                    | M6 x 1.0           |                |                |                    | 1.44" (36.6mm) | 0.42oz (11.8g) |
| PLLP08-01  |                    | 8mm                |                |                | 1/8" Male BSPT (R) | 10             | No             |
| PLLP08-02  | 1/4" Male BSPT (R) |                    | 1.85" (47.0mm) | 0.74oz (20.9g) |                    |                |                |
| PLLP08-03  | 3/8" Male BSPT (R) |                    | 5              | 17mm           | 1.88" (48.0mm)     | 0.98oz (27.7g) |                |
| PLLP08-04  | 1/2" Male BSPT (R) |                    |                | 21mm           | 2.00" (51.0mm)     | 1.51oz (42.7g) |                |
| PLLP08-G01 | 1/8" Male BSPP (G) |                    | 10             | 14mm           | 1.61" (41.0mm)     | 0.56oz (16.0g) |                |
| PLLP08-G02 | 1/4" Male BSPP (G) |                    |                | 17mm           | 1.69" (43.0mm)     | 0.70oz (19.9g) |                |
| PLLP08-G03 | 3/8" Male BSPP (G) |                    | 5              | 20mm           | 1.67" (42.5mm)     | 0.91oz (25.7g) |                |
| PLLP08-G04 | 1/2" Male BSPP (G) |                    |                | 24mm           | 1.73" (44.0mm)     | 1.30oz (36.7g) |                |
| PLLP10-01  | 10mm               | 1/8" Male BSPT (R) | 5              | No             | 17mm               | 1.87" (47.5mm) | 0.98oz (27.7g) |
| PLLP10-02  |                    | 1/4" Male BSPT (R) |                |                |                    | 1.98" (50.5mm) | 1.04oz (29.6g) |
| PLLP10-03  |                    | 3/8" Male BSPT (R) |                |                | 17mm               | 2.02" (51.5mm) | 1.12oz (31.7g) |
| PLLP10-04  |                    | 1/2" Male BSPT (R) |                |                | 22mm               | 2.14" (54.5mm) | 1.78oz (50.5g) |
| PLLP10-G01 |                    | 1/8" Male BSPP (G) |                |                | 17mm               | 1.75" (44.5mm) | 0.87oz (24.7g) |
| PLLP10-G02 |                    | 1/4" Male BSPP (G) |                |                |                    | 1.83" (46.5mm) | 0.91oz (25.6g) |
| PLLP10-G03 |                    | 3/8" Male BSPP (G) |                |                | 20mm               | 1.81" (46.0mm) | 1.05oz (29.7g) |
| PLLP10-G04 |                    | 1/2" Male BSPP (G) |                |                | 24mm               | 1.87" (47.5mm) | 1.57oz (44.5g) |
| PLLP12-01  | 12mm               | 1/8" Male BSPT (R) | 5              | No             | 19mm               | 2.14" (54.4mm) | 1.49oz (42.1g) |
| PLLP12-02  |                    | 1/4" Male BSPT (R) |                |                |                    | 2.22" (56.4mm) | 1.35oz (38.3g) |
| PLLP12-03  |                    | 3/8" Male BSPT (R) |                |                | 19mm               | 2.25" (57.4mm) | 1.48oz (42.0g) |
| PLLP12-04  |                    | 1/2" Male BSPT (R) |                |                | 21mm               | 23.7" (60.4mm) | 1.84oz (51.4g) |
| PLLP12-G02 |                    | 1/4" Male BSPP (G) |                |                | 19mm               | 2.06" (52.4mm) | 1.21oz (34.3g) |
| PLLP12-G03 |                    | 3/8" Male BSPP (G) |                |                | 20mm               | 2.04" (51.9mm) | 1.31oz (37.0g) |
| PLLP12-G04 |                    | 1/2" Male BSPP (G) |                |                | 24mm               | 2.10" (53.4mm) | 1.57oz (44.4g) |

# Technifit™ Push-to-Connect Fittings

## Swivel Female Elbow – PLF

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.

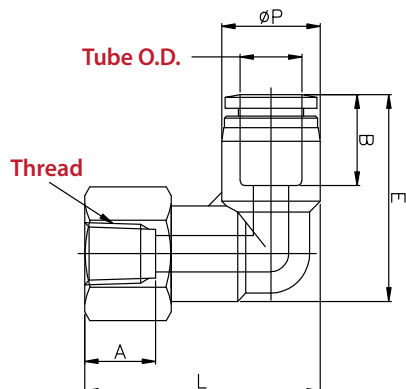


Fractional Tube Sizes

| Model      | Tube OD | Thread          | Package Qty. | Stock | Hex    | Length         | Weight         |
|------------|---------|-----------------|--------------|-------|--------|----------------|----------------|
| PLF5/32-U  | 5/32"   | 10-32 Female    | 10           | Yes   | 7/16"  | 0.84" (21.5mm) | 0.28oz (7.80g) |
| PLF5/32-N1 |         | 1/8" Female NPT |              |       | 9/16"  | 0.88" (22.5mm) | 0.56oz (15.8g) |
| PLF5/32-N2 |         | 1/4" Female NPT |              |       | 11/16" | 0.96" (24.5mm) | 0.69oz (19.8g) |
| PLF3/16-U  | 3/16"   | 10-32 Female    | 10           | No    | 7/16"  | 0.84" (21.5mm) | 0.28oz (7.70g) |
| PLF3/16-N1 |         | 1/8" Female NPT |              |       | 9/16"  | 0.88" (22.5mm) | 0.55oz (15.7g) |
| PLF3/16-N2 |         | 1/4" Female NPT |              |       | 11/16" | 0.96" (24.5mm) | 0.70oz (19.7g) |
| PLF1/4-U   | 1/4"    | 10-32 Female    | 10           | No    | 1/2"   | 0.82" (21.0mm) | 0.42oz (11.7g) |
| PLF1/4-N1  |         | 1/8" Female NPT |              | Yes   | 9/16"  | 0.98" (25.0mm) | 0.74oz (20.7g) |
| PLF1/4-N2  |         | 1/4" Female NPT |              |       | 11/16" | 1.08" (27.5mm) | 0.81oz (22.7g) |
| PLF1/4-N3  |         | 3/8" Female NPT |              |       | 7/8"   | 1.10" (28.0mm) | 0.88oz (24.7g) |
| PLF5/16-N1 | 5/16"   | 1/8" Female NPT | 10           | No    | 9/16"  | 1.02" (26.0mm) | 0.66oz (18.7g) |
| PLF5/16-N2 |         | 1/4" Female NPT | 5            |       | 11/16" | 0.98" (28.0mm) | 0.92oz (25.7g) |
| PLF5/16-N3 |         | 3/8" Female NPT |              |       | 7/8"   | 1.14" (29.0mm) | 1.02oz (28.7g) |
| PLF3/8-N2  | 3/8"    | 1/4" Female NPT | 5            | Yes   | 11/16" | 1.12" (28.5mm) | 1.31oz (32.2g) |
| PLF3/8-N3  |         | 3/8" Female NPT |              |       | 7/8"   | 1.16" (29.5mm) | 1.27oz (36.2g) |
| PLF3/8-N4  |         | 1/2" Female NPT |              |       | 15/16" | 1.24" (31.5mm) | 1.43oz (40.8g) |
| PLF1/2-N3  | 1/2"    | 3/8" Female NPT | 5            | Yes   | 7/8"   | 1.29" (33.0mm) | 2.05oz (57.0g) |
| PLF1/2-N4  |         | 1/2" Female NPT |              |       | 15/16" | 1.37" (35.0mm) | 2.64oz (75.0g) |

# Technifit™ Push-to-Connect Fittings

## Swivel Female Elbow – PLF (continued)



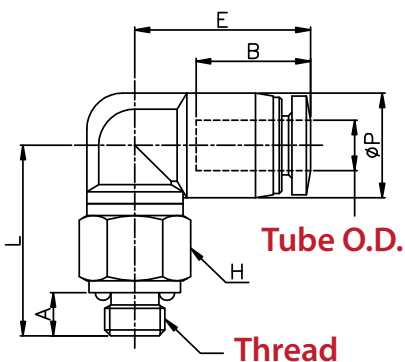
### Metric Tube Sizes

| Model     | Tube OD | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|----------------------|--------------|-------|------|----------------|----------------|
| PLF04-01  | 4mm     | 1/8" Female BSPT (R) | 10           | Yes   | 14mm | 0.88" (22.5mm) | 0.53oz (15.0g) |
| PLF04-02  |         | 1/4" Female BSPT (R) |              |       | 17mm | 0.96" (24.5mm) | 0.70oz (20.0g) |
| PLF04-G01 |         | 1/8" Female BSPP (G) |              | No    | 14mm | 0.88" (22.5mm) | 0.53oz (15.0g) |
| PLF04-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 0.96" (24.5mm) | 0.74oz (21.0g) |
| PLF04-M5  |         | M5 x 0.8             |              | Yes   | 10mm | 0.84" (21.5mm) | 0.35oz (10.0g) |
| PLF04-M6  |         | M6 x 1.0             |              | No    |      |                |                |
| PLF06-01  | 6mm     | 1/8" Female BSPT (R) | 10           | Yes   | 14mm | 0.96" (24.5mm) | 0.59oz (17.0g) |
| PLF06-02  |         | 1/4" Female BSPT (R) |              |       | 17mm | 1.04" (26.5mm) | 0.81oz (23.0g) |
| PLF06-03  |         | 3/8" Female BSPT (R) |              |       | 22mm | 1.08" (27.5mm) | 1.26oz (36.0g) |
| PLF06-04  |         | 1/2" Female BSPT (R) |              | No    | 24mm | 1.16" (29.5mm) | 1.30oz (37.0g) |
| PLF06-G01 |         | 1/8" Female BSPP (G) |              |       | 17mm | 0.96" (24.5mm) | 0.64oz (18.0g) |
| PLF06-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 1.04" (26.5mm) | 0.81oz (23.0g) |
| PLF06-G03 |         | 3/8" Female BSPP (G) |              |       | 22mm | 1.08" (27.5mm) | 1.26oz (36.0g) |
| PLF06-M5  |         | M5 x 0.8             |              | Yes   | 12mm | 0.96" (23.5mm) | 0.56oz (16.0g) |
| PLF06-M6  |         | M6 x 1.0             |              |       | 12mm | 0.92" (23.5mm) |                |
| PLF08-01  | 8mm     | 1/8" Female BSPT (R) | 10           | Yes   | 14mm | 1.02" (26.0mm) | 0.67oz (19.0g) |
| PLF08-02  |         | 1/4" Female BSPT (R) |              |       | 17mm | 1.10" (28.0mm) | 0.92oz (26.0g) |
| PLF08-03  |         | 3/8" Female BSPT (R) |              |       | 22mm | 1.14" (29.0mm) | 1.34oz (38.0g) |
| PLF08-04  |         | 1/2" Female BSPT (R) | 5            |       | 24mm | 1.22" (31.0mm) | 1.34oz (38.0g) |
| PLF08-G01 |         | 1/8" Female BSPP (G) | 10           | No    | 14mm | 1.02" (26.0mm) | 0.70oz (20.0g) |
| PLF08-G02 |         | 1/4" Female BSPP (G) |              | Yes   | 17mm | 1.10" (28.0mm) | 0.91oz (26.0g) |
| PLF08-G03 |         | 3/8" Female BSPP (G) |              | No    | 22mm | 1.14" (29.0mm) | 1.34oz (38.0g) |
| PLF08-G04 |         | 1/2" Female BSPP (G) |              |       | 24mm | 1.22" (31.0mm) | 1.45oz (41.0g) |
| PLF10-01  | 10mm    | 1/8" Female BSPT (R) | 5            | Yes   | 17mm | 1.12" (28.5mm) | 1.02oz (29.0g) |
| PLF10-02  |         | 1/4" Female BSPT (R) |              |       | 17mm |                | 1.02oz (29.0g) |
| PLF10-03  |         | 3/8" Female BSPT (R) |              |       | 22mm | 1.16" (29.5mm) | 1.48oz (42.0g) |
| PLF10-04  |         | 1/2" Female BSPT (R) |              |       | 24mm | 1.24" (31.5mm) | 1.55oz (44.0g) |
| PLF10-G01 |         | 1/8" Female BSPP (G) |              | No    | 17mm | 1.12" (28.5mm) | 1.19oz (34.0g) |
| PLF10-G02 |         | 1/4" Female BSPP (G) |              | Yes   | 17mm |                | 1.13oz (32.0g) |
| PLF10-G03 |         | 3/8" Female BSPP (G) |              |       | 22mm | 1.16" (29.5mm) | 1.55oz (44.0g) |
| PLF10-G04 |         | 1/2" Female BSPP (G) |              | No    | 24mm | 1.24" (31.5mm) | 1.59oz (45.0g) |
| PLF12-02  | 12mm    | 1/4" Female BSPT (R) | 5            | Yes   | 19mm | 1.23" (31.4mm) | 1.41oz (40.0g) |
| PLF12-03  |         | 3/8" Female BSPT (R) |              |       | 22mm | 1.27" (32.4mm) | 1.69oz (48.0g) |
| PLF12-04  |         | 1/2" Female BSPT (R) |              |       | 24mm | 1.34" (34.4mm) | 1.72oz (49.0g) |
| PLF12-G02 |         | 1/4" Female BSPP (G) |              | No    | 19mm | 1.23" (31.4mm) | 1.41oz (40.0g) |
| PLF12-G03 |         | 3/8" Female BSPP (G) |              |       | 22mm | 1.27" (32.4mm) | 1.72oz (49.0g) |
| PLF12-G04 |         | 1/2" Female BSPP (G) |              |       | 24mm | 1.35" (34.4mm) | 1.79oz (51.0g) |

# Technifit™ Push-to-Connect Fittings

## Compact Swivel Male Elbow – PL-C

Compact Swivel Male Elbows are in a 90° configuration with a small size.



### Fractional Tube Sizes

| Model      | Tube OD            | Thread             | Package Qty. | Stock          | Hex   | Length         | Weight         |
|------------|--------------------|--------------------|--------------|----------------|-------|----------------|----------------|
| PL1/8-UC   | 1/8"               | 10-32 Male         | 10           | Yes            | 5/16" | 0.60" (15.3mm) | 0.07oz (2.00g) |
| PL1/8-N0C  |                    | 1/16" Male NPT     |              | No             |       | 0.62" (15.8mm) | 0.11oz (3.00g) |
| PL1/8-N1C  |                    | 1/8" Male NPT      |              | Yes            | 7/16" |                | 0.18oz (5.00g) |
| PL1/8-N2C  |                    | 1/4" Male NPT      |              |                | 9/16" | 0.72" (18.3mm) | 0.28oz (8.00g) |
| PL1/8-01C  |                    | 1/8" Male BSPT (R) |              | No             | 10mm  | 0.62" (15.8mm) | 0.32oz (9.00g) |
| PL1/8-M3C  |                    | M3 x 0.5           |              |                | 8mm   | 0.57" (14.7mm) | 0.07oz (2.00g) |
| PL1/8-M5C  |                    | M5 x 0.8           |              |                |       | 0.60" (15.3mm) | 0.11oz (3.00g) |
| PL1/8-M6C  |                    | M6 x 1.0           |              |                |       | 0.62" (15.8mm) |                |
| PL5/32-UC  | 5/32"              | 10-32 Male         | 10           | Yes            | 5/16" | 0.62" (15.9mm) | 0.18oz (5.00g) |
| PL5/32-N0C |                    | 1/16" Male NPT     |              | No             |       | 0.64" (16.4mm) |                |
| PL5/32-N1C |                    | 1/8" Male NPT      |              | Yes            | 7/16" |                | 0.21oz (6.00g) |
| PL5/32-01C |                    | 1/8" Male BSPT (R) |              | No             | 10mm  | 0.35oz (10.0g) |                |
| PL5/32-M3C |                    | M3 x 0.5           |              |                | 8mm   | 0.60" (15.3mm) | 0.11oz (3.00g) |
| PL5/32-M5C |                    | M5 x 0.8           |              | Yes            |       | 0.62" (15.9mm) |                |
| PL5/32-M6C |                    | M6 x 1.0           |              | No             |       | 0.64" (16.4mm) | 0.14oz (4.00g) |
| PL1/4-UC   |                    | 1/4"               |              | 10-32 Male     | 10    | Yes            | 5/16"          |
| PL1/4-N0C  | 1/16" Male NPT     |                    | No           | 0.69" (17.7mm) |       | 0.42oz (12.0g) |                |
| PL1/4-N1C  | 1/8" Male NPT      |                    | Yes          |                |       | 7/16"          | 0.56oz (16.0g) |
| PL1/4-01C  | 1/8" Male BSPT (R) |                    | No           |                |       | 10mm           |                |
| PL1/4-M5C  | M5 x 0.8           |                    |              | 8mm            |       | 0.35oz (10.0g) |                |
| PL1/4-M6C  | M6 x 1.0           |                    |              |                |       | 0.67" (17.2mm) | 0.42oz (12.0g) |

### Metric Tube Sizes

| Model    | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PL04-01C | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 0.64" (16.4mm) | 0.25oz (7.00g) |
| PL04-G01 |         | 1/8" Male BSPP (G) |              |       | 14mm | 0.56" (14.4mm) | 0.25oz (7.00g) |
| PL04-M3C |         | M3 x 0.5           |              | Yes   | 8mm  | 0.60" (15.3mm) | 0.14oz (4.00g) |
| PL04-M5C |         | M5 x 0.8           |              |       |      | 0.62" (15.9mm) |                |
| PL04-M6C |         | M6 x 1.0           |              | No    |      | 0.64" (16.4mm) | 0.25oz (7.00g) |
| PL06-01C | 6mm     | 1/8" Male BSPT (R) | 10           | Yes   | 10mm | 0.68" (17.4mm) | 0.25oz (7.00g) |
| PL06-G01 |         | 1/8" Male BSPP (G) |              | No    | 14mm | 0.60" (15.4mm) | 0.21oz (6.00g) |
| PL06-M5C |         | M5 x 0.8           |              | Yes   | 8mm  | 0.66" (16.9mm) | 0.14oz (4.00g) |
| PL06-M6C |         | M6 x 1.0           |              | No    |      | 0.68" (17.4mm) | 0.18oz (5.00g) |

# Technifit™ Push-to-Connect Fittings

## Swivel Male Hex 45 Elbow - PL45

Swivel Male Hex 45 Elbows are configured with a push-to-connect port with a male thread 45 degrees apart. The swivel body enables flexibility during both installation and operation.

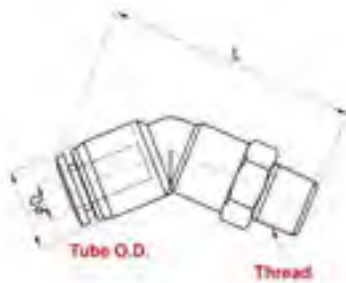


Fractional Tube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex            | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|----------------|----------------|----------------|
| PL45 5/32-U  | 5/32"   | 10-32 Male         | 10           | No    | 1/16"          | 1.38" (35.3mm) | 0.27oz (7.70g) |
| PL45 5/32-N1 |         | 1/8" Male NPT      |              |       | 7/16"          | 1.53" (38.9mm) | 0.34oz (9.70g) |
| PL45 5/32-N2 |         | 1/4" Male NPT      |              |       | 9/16"          | 1.64" (41.9mm) | 0.58oz (16.7g) |
| PL45 1/4-U   | 1/4"    | 10-32 Male         | 10           | No    | 1/2"           | 1.62" (41.3mm) | 0.40oz (11.6g) |
| PL45 1/4-N1  |         | 1/8" Male NPT      |              |       |                | 1.70" (43.2mm) | 0.51oz (14.6g) |
| PL45 1/4-N2  |         | 1/4" Male NPT      |              |       | 9/16"          | 1.80" (45.9mm) | 0.69oz (19.6g) |
| PL45 1/4-N3  |         | 3/8" Male NPT      | 5            |       | 11/16"         | 1.84" (46.9mm) | 1.14oz (32.6g) |
| PL45 1/4-01  |         | 1/8" Male BSPT (R) | 10           |       | 12mm           | 1.66" (42.4mm) | 0.51oz (14.6g) |
| PL45 1/4-02  |         | 1/4" Male BSPT (R) |              |       | 14mm           | 1.78" (45.4mm) | 0.69oz (19.6g) |
| PL45 1/4-03  |         | 3/8" Male BSPT (R) |              |       | 17mm           | 1.82" (46.4mm) | 1.14oz (32.6g) |
| PL45 5/16-N1 | 5/16"   | 1/8" Male NPT      | 10           | No    | 9/16"          | 1.88" (48.0mm) | 0.61oz (17.5g) |
| PL45 5/16-N2 |         | 1/4" Male NPT      | 5            |       |                | 1.96" (50.0mm) | 0.79oz (22.5g) |
| PL45 5/16-N3 |         | 3/8" Male NPT      |              |       | 11/16"         | 2.00" (51.0mm) | 1.25oz (35.5g) |
| PL45 5/16-N4 |         | 1/2" Male NPT      | 7/8"         |       | 2.12" (54.0mm) | 1.95oz (55.5g) |                |
| PL45 5/16-01 |         | 1/8" Male BSPT (R) | 10           |       | 14mm           | 1.79" (46.5mm) | 0.61oz (17.5g) |
| PL45 5/16-02 |         | 1/4" Male BSPT (R) | 5            |       |                | 1.94" (49.5mm) | 0.79oz (22.5g) |
| PL45 5/16-03 |         | 3/8" Male BSPT (R) |              |       | 17mm           | 1.98" (50.5mm) | 1.25oz (35.5g) |
| PL45 3/8-N1  | 3/8"    | 1/8" Male NPT      | 5            | No    | 11/16"         | 1.94" (49.3mm) | 0.83oz (23.8g) |
| PL45 3/8-N2  |         | 1/4" Male NPT      |              |       |                | 2.01" (51.3mm) | 0.98oz (27.8g) |
| PL45 3/8-N3  |         | 3/8" Male NPT      |              |       |                | 2.05" (52.3mm) | 1.15oz (32.8g) |
| PL45 3/8-N4  |         | 1/2" Male NPT      | 3            |       | 7/8"           | 2.17" (55.3mm) | 1.86oz (52.8g) |
| PL45 3/8-01  |         | 1/8" Male BSPT (R) | 5            |       | 17mm           | 1.88" (47.8mm) | 0.83oz (23.8g) |
| PL45 3/8-02  |         | 1/4" Male BSPT (R) |              |       |                | 2.00" (50.8mm) | 0.98oz (27.8g) |
| PL45 3/8-03  |         | 3/8" Male BSPT (R) |              |       |                | 2.03" (51.8mm) | 1.15oz (32.8g) |
| PL45 3/8-04  |         | 1/2" Male BSPT (R) | 3            |       | 21mm           | 2.15" (54.8mm) | 1.86oz (52.8g) |
| PL45 1/2-N2  | 1/2"    | 1/4" Male NPT      | 3            | No    | 3/4"           | 2.26" (57.6mm) | 1.26oz (36.0g) |
| PL45 1/2-N3  |         | 3/8" Male NPT      |              |       |                | 2.30" (58.6mm) | 1.58oz (45.0g) |
| PL45 1/2-N4  |         | 1/2" Male NPT      |              |       | 7/8"           | 2.42" (61.6mm) | 2.22oz (63.0g) |
| PL45 1/2-02  |         | 1/4" Male BSPT (R) |              |       | 19mm           | 2.24" (57.1mm) | 1.26oz (36.0g) |
| PL45 1/2-03  |         | 3/8" Male BSPT (R) |              |       |                | 2.28" (58.1mm) | 1.58oz (45.0g) |
| PL45 1/2-04  |         | 1/2" Male BSPT (R) |              |       | 21mm           | 2.40" (61.1mm) | 2.22oz (63.0g) |

# Technifit™ Push-to-Connect Fittings

## Swivel Male Hex 45 Elbow - PL45 (continued)



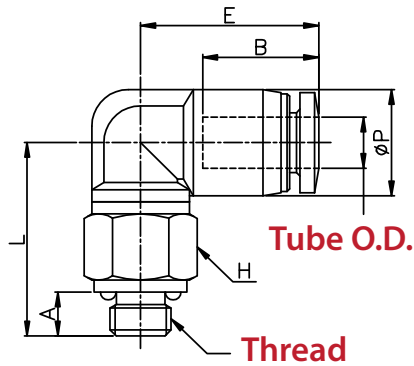
### Metric Tube Sizes

| Model      | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PL45 04-01 | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 1.51" (38.4mm) | 0.43oz (9.90g) |
| PL45 04-02 |         | 1/4" Male BSPT (R) |              |       | 14mm | 1.59" (40.4mm) | 0.52oz (14.9g) |
| PL45 04-03 |         | 3/8" Male BSPT (R) | 5            |       | 17mm | 1.62" (41.4mm) | 0.91oz (25.9g) |
| PL45 04-M5 |         | M5 x 0.8           | 10           |       | 10mm | 1.35" (34.4mm) | 0.20oz (5.90g) |
| PL45 04-M6 |         | M6 x 1.0           |              |       |      | 1.35" (34.5mm) | 0.27oz (7.90g) |
| PL45 06-01 | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 12mm | 1.62" (41.3mm) | 0.45oz (13.0g) |
| PL45 06-02 |         | 1/4" Male BSPT (R) |              |       | 14mm | 1.74" (44.3mm) | 0.67oz (19.0g) |
| PL45 06-03 |         | 3/8" Male BSPT (R) | 5            |       | 17mm | 1.78" (45.3mm) | 0.95oz (27.0g) |
| PL45 06-04 |         | 1/2" Male BSPT (R) |              |       | 21mm | 1.90" (48.3mm) | 1.37oz (39.0g) |
| PL45 06-M5 |         | M5 x 0.8           | 10           |       | 12mm | 1.46" (37.3mm) | 0.24oz (7.00g) |
| PL45 06-M6 |         | M6 x 1.0           |              |       |      | 1.47" (37.4mm) | 0.42oz (12.0g) |
| PL45 08-01 | 8mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 1.83" (46.5mm) | 0.62oz (17.8g) |
| PL45 08-02 |         | 1/4" Male BSPT (R) |              |       |      | 1.94" (49.5mm) | 0.76oz (21.8g) |
| PL45 08-03 |         | 3/8" Male BSPT (R) |              |       | 17mm | 1.98" (50.5mm) | 0.94oz (26.8g) |
| PL45 08-04 |         | 1/2" Male BSPT (R) |              |       | 21mm | 2.09" (53.5mm) | 1.50oz (42.8g) |
| PL45 10-01 | 10mm    | 1/8" Male BSPT (R) | 5            | No    | 17mm | 1.89" (48.2mm) | 0.90oz (25.6g) |
| PL45 10-02 |         | 1/4" Male BSPT (R) |              |       |      | 2.01" (51.2mm) | 0.97oz (27.6g) |
| PL45 10-03 |         | 3/8" Male BSPT (R) |              |       |      | 2.05" (52.2mm) | 1.04oz (29.6g) |
| PL45 10-04 |         | 1/2" Male BSPT (R) | 3            |       | 21mm | 2.17" (55.2mm) | 1.67oz (47.6g) |
| PL45 12-01 | 12mm    | 1/8" Male BSPT (R) | 3            | No    | 19mm | 2.17" (55.3mm) | 1.49oz (42.3g) |
| PL45 12-02 |         | 1/4" Male BSPT (R) |              |       |      | 2.25" (57.3mm) | 1.42oz (40.3g) |
| PL45 12-03 |         | 3/8" Male BSPT (R) |              |       |      | 2.29" (58.3mm) | 1.52oz (43.3g) |
| PL45 12-04 |         | 1/2" Male BSPT (R) |              |       | 21mm | 2.41" (61.3mm) | 1.84oz (52.3g) |

# Technifit™ Push-to-Connect Fittings

## Compact Extended Swivel Male Elbow – PLL-C

Compact Extended Swivel Male Elbows are in a 90° configuration with a small size. The extended length allows for clearance above other fittings.



### Fractional Tube Sizes

| Model       | Tube OD | Thread             | Package Qty. | Stock | Hex   | Length         | Weight         |
|-------------|---------|--------------------|--------------|-------|-------|----------------|----------------|
| PLL1/8-UC   | 1/8"    | 10-32 Male         | 10           | Yes   | 5/16" | 0.94" (23.9mm) | 0.28oz (8.00g) |
| PLL1/8-N0C  |         | 1/16" Male NPT     |              | No    | 5/16" | 0.96" (24.4mm) | 0.32oz (9.00g) |
| PLL1/8-N1C  |         | 1/8" Male NPT      |              |       | 7/16" |                | 0.39oz (11.0g) |
| PLL1/8-01C  |         | 1/8" Male BSPT (R) |              |       | 10mm  | 1.13" (28.8mm) | 0.42oz (12.0g) |
| PLL1/8-M3C  |         | M3 x 0.5           |              |       | 8mm   | 0.85" (21.8mm) | 0.11oz (3.00g) |
| PLL1/8-M5C  |         | M5 x 0.8           |              |       |       | 0.94" (23.9mm) | 0.28oz (8.00g) |
| PLL1/8-M6C  |         | M6 x 1.0           |              |       |       | 0.96" (24.4mm) |                |
| PLL5/32-UC  | 5/32"   | 10-32 Male         | 10           | No    | 5/16" | 1.00" (25.5mm) | 0.28oz (8.00g) |
| PLL5/32-N0C |         | 1/16" Male NPT     |              |       | 5/16" | 1.15" (29.4mm) | 0.32oz (9.00g) |
| PLL5/32-N1C |         | 1/8" Male NPT      |              |       | 7/16" | 1.15" (29.4mm) | 0.46oz (13.0g) |
| PLL5/32-01C |         | 1/8" Male BSPT (R) |              |       | 10mm  | 1.15" (29.4mm) | 0.46oz (13.0g) |
| PLL5/32-M3C |         | M3 x 0.5           |              |       | 8mm   | 1.02" (26.0mm) | 0.25oz (7.00g) |
| PLL5/32-M5C |         | M5 x 0.8           |              |       |       | 1.00" (25.5mm) | 0.28oz (8.00g) |
| PLL5/32-M6C |         | M6 x 1.0           |              |       |       | 0.98" (24.9mm) |                |
| PLL1/4-UC   | 1/4"    | 10-32 Male         | 10           | No    | 5/16" | 1.12" (28.7mm) | 0.32oz (9.00g) |
| PLL1/4-N0C  |         | 1/16" Male NPT     |              |       | 5/16" |                | 0.39oz (11.0g) |
| PLL1/4-N1C  |         | 1/8" Male NPT      |              |       | 7/16" | 1.28" (32.7mm) | 0.49oz (14.0g) |
| PLL1/4-01C  |         | 1/8" Male BSPT (R) |              |       | 10mm  |                | 0.64oz (18.0g) |
| PLL1/4-M3C  |         | M3 x 0.5           |              |       | 8mm   |                | 0.39oz (11.0g) |
| PLL1/4-M5C  |         | M5 x 0.8           |              |       |       | 1.12" (28.7mm) | 0.49oz (14.0g) |
| PLL1/4-M6C  |         | M6 x 1.0           |              |       |       |                |                |

### Metric Tube Sizes

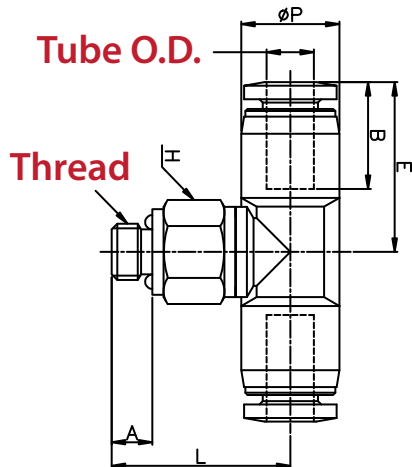
| Model     | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PLL04-01C | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 1.15" (29.4mm) | 0.46oz (13.0g) |
| PLL04-M3C |         | M3 x 0.5           |              |       | 8mm  | 0.98" (24.9mm) | 0.28oz (8.00g) |
| PLL04-M5C |         | M5 x 0.8           |              |       |      | 1.00" (25.5mm) |                |
| PLL04-M6C |         | M6 x 1.0           |              |       |      | 1.02" (26.0mm) |                |
| PLL06-01C | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 1.27" (32.4mm) | 0.49oz (14.0g) |
| PLL06-M5C |         | M5 x 0.8           |              |       | 8mm  | 1.11" (28.4mm) | 0.32oz (9.00g) |
| PLL06-M6C |         | M6 x 1.0           |              |       |      | 1.13" (28.9mm) |                |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Threaded Tee Fittings

### Swivel Male Branch Tee – PT

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.

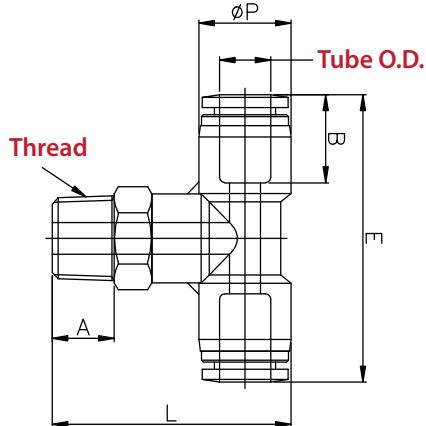


Fractional Tube Sizes

| Model     | Tube OD            | Thread             | Package Qty.   | Stock | Hex    | Length         | Weight         |
|-----------|--------------------|--------------------|----------------|-------|--------|----------------|----------------|
| PT5/32-U  | 5/32"              | 10-32 Male         | 10             | Yes   | 7/16"  | 0.84" (21.4mm) | 0.33oz (9.60g) |
| PT5/32-N1 |                    | 1/8" Male NPT      |                |       |        | 0.98" (25.0mm) | 0.41oz (11.6g) |
| PT5/32-N2 |                    | 1/4" Male NPT      |                |       | 9/16"  | 1.10" (28.0mm) | 0.56oz (15.6g) |
| PT3/16-U  | 3/16"              | 10-32 Male         | 10             | Yes   | 7/16"  | 0.96" (24.4mm) | 0.33oz (9.40g) |
| PT3/16-N1 |                    | 1/8" Male NPT      |                |       |        | 0.98" (25.0mm) | 0.40oz (11.4g) |
| PT3/16-N2 |                    | 1/4" Male NPT      |                |       | 9/16"  | 1.10" (28.0mm) | 0.54oz (15.4g) |
| PT3/16-N3 |                    | 3/8" Male NPT      |                | No    | 11/16" | 1.14" (29.0mm) | 0.68oz (19.4g) |
| PT1/4-U   | 1/4"               | 10-32 Male         | 10             | Yes   | 1/2"   | 1.01" (25.9mm) | 0.50oz (14.4g) |
| PT1/4-N1  |                    | 1/8" Male NPT      |                |       |        | 1.09" (27.8mm) | 0.57oz (16.4g) |
| PT1/4-N2  |                    | 1/4" Male NPT      |                |       | 9/16"  | 1.20" (30.5mm) | 0.79oz (22.4g) |
| PT1/4-N3  |                    | 3/8" Male NPT      |                |       | 11/16" | 1.24" (31.5mm) | 1.50oz (42.4g) |
| PT1/4-01  |                    | 1/8" Male BSPT (R) |                | No    | 12mm   | 1.06" (27.0mm) | 0.57oz (16.4g) |
| PT1/4-02  |                    | 1/4" Male BSPT (R) |                |       | 14mm   | 1.18" (30.0mm) | 0.79oz (22.4g) |
| PT1/4-03  |                    | 3/8" Male BSPT (R) |                |       | 17mm   | 1.22" (31.0mm) | 1.50oz (42.4g) |
| PT5/16-N1 |                    | 1/8" Male NPT      |                |       | 10     | Yes            | 9/16"          |
| PT5/16-N2 | 1/4" Male NPT      | 1.24" (31.5mm)     | 0.93oz (26.4g) |       |        |                |                |
| PT5/16-N3 | 5/16"              | 3/8" Male NPT      | 5              | No    | 11/16" | 1.27" (32.5mm) | 1.07oz (30.4g) |
| PT5/16-N4 |                    | 1/2" Male NPT      |                |       | 7/8"   | 1.39" (35.5mm) | 1.77oz (50.4g) |
| PT5/16-01 |                    | 1/8" Male BSPT (R) | 10             |       | 14mm   | 1.10" (28.0mm) | 0.79oz (22.4g) |
| PT5/16-02 |                    | 1/4" Male BSPT (R) |                |       |        | 1.22" (31.0mm) | 0.93oz (26.4g) |
| PT5/16-03 |                    | 3/8" Male BSPT (R) |                | 17mm  |        | 1.25" (32.0mm) | 1.07oz (30.4g) |
| PT3/8-N1  |                    | 3/8"               | 1/8" Male NPT  | 5     | Yes    | 11/16"         | 1.18" (30.0mm) |
| PT3/8-N2  | 1/4" Male NPT      |                    | 0.93oz (26.4g) |       |        |                |                |
| PT3/8-N3  | 3/8" Male NPT      |                    | 7/8"           |       |        | 1.29" (33.0mm) | 1.07oz (30.4g) |
| PT3/8-N4  | 1/2" Male NPT      |                    |                |       |        | 1.41" (36.0mm) | 1.77oz (50.4g) |
| PT3/8-01  | 1/8" Male BSPT (R) |                    | 10             | No    | 17mm   | 1.12" (28.5mm) | 1.21oz (34.4g) |
| PT3/8-02  | 1/4" Male BSPT (R) |                    |                |       |        | 1.24" (31.5mm) | 1.36oz (38.4g) |
| PT3/8-03  | 3/8" Male BSPT (R) |                    |                |       | 21mm   | 1.27" (32.5mm) | 1.53oz (43.4g) |
| PT3/8-04  | 1/2" Male BSPT (R) |                    |                |       |        | 1.39" (35.5mm) | 2.06oz (58.4g) |
| PT1/2-N2  | 1/2"               | 1/4" Male NPT      | 5              | Yes   | 3/4"   | 1.39" (35.5mm) | 1.58oz (45.0g) |
| PT1/2-N3  |                    | 3/8" Male NPT      |                |       |        | 1.43" (36.5mm) | 1.98oz (54.0g) |
| PT1/2-N4  |                    | 1/2" Male NPT      |                |       | 7/8"   | 1.55" (39.5mm) | 2.61oz (74.0g) |
| PT1/2-02  |                    | 1/4" Male BSPT (R) | 10             | No    | 19mm   | 1.37" (35.0mm) | 1.59oz (45.0g) |
| PT1/2-03  |                    | 3/8" Male BSPT (R) |                |       |        | 1.41" (36.0mm) | 1.91oz (54.0g) |
| PT1/2-04  |                    | 1/2" Male BSPT (R) |                |       | Yes    | 21mm           | 1.53" (39.0mm) |

# Technifit™ Push-to-Connect Fittings

## Swivel Male Branch Tee – PT (continued)

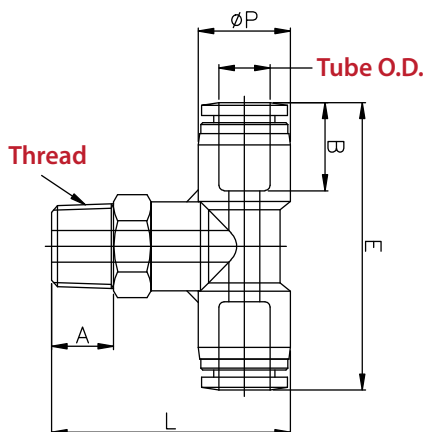


### Metric Tube Sizes

| Model    | Tube OD              | Thread               | Package Qty.       | Stock | Hex  | Length         | Weight         |
|----------|----------------------|----------------------|--------------------|-------|------|----------------|----------------|
| PT04-01  | 4mm                  | 1/8" Male BSPT (R)   | 10                 | Yes   | 10mm | 0.96" (24.5mm) | 0.39oz (11.0g) |
| PT04-02  |                      | 1/4" Male BSPT (R)   |                    |       | 14mm | 1.04" (26.5mm) | 0.59oz (17.0g) |
| PT04-03  |                      | 3/8" Male BSPT (R)   |                    |       | 17mm | 1.08" (27.5mm) | 0.91oz (26.0g) |
| PT04-G01 |                      | 1/8" Female BSPP (G) |                    | No    | 14mm | 0.96" (21.5mm) | 0.39oz (11.0g) |
| PT04-G02 |                      | 1/4" Female BSPP (G) |                    |       | 17mm | 0.92" (23.5mm) | 0.56oz (16.0g) |
| PT04-G03 |                      | 3/8" Female BSPP (G) |                    |       | 20mm | 0.90" (23.0mm) | 0.81oz (23.0g) |
| PT04-M5  |                      | M5 x 0.8             |                    | Yes   | 10mm | 0.80" (20.5mm) | 0.35oz (10.0g) |
| PT04-M6  |                      | M6 x 1.0             |                    | No    |      | 0.81" (20.6mm) |                |
| PT06-01  | 6mm                  | 1/8" Male BSPT (R)   | 10                 | Yes   | 12mm | 1.04" (26.5mm) | 0.60oz (17.0g) |
| PT06-02  |                      | 1/4" Male BSPT (R)   |                    |       | 14mm | 1.16" (29.5mm) | 0.74oz (21.0g) |
| PT06-03  |                      | 3/8" Male BSPT (R)   |                    |       | 17mm | 1.20" (30.5mm) | 1.02oz (29.0g) |
| PT06-04  |                      | 1/2" Male BSPT (R)   | 5                  | No    | 21mm | 1.31" (33.5mm) | 1.97oz (56.0g) |
| PT06-G01 |                      | 1/8" Female BSPP (G) | 10                 | Yes   | 14mm | 0.92" (23.5mm) | 0.59oz (17.0g) |
| PT06-G02 |                      | 1/4" Female BSPP (G) |                    |       | 17mm | 1.00" (25.5mm) | 0.81oz (23.0g) |
| PT06-G03 |                      | 3/8" Female BSPP (G) |                    | No    | 20mm | 0.98" (25.0mm) | 0.91oz (26.0g) |
| PT06-M5  |                      | M5 x 0.8             |                    | Yes   | 12mm | 0.88" (22.6mm) | 0.53oz (15.0g) |
| PT06-M6  |                      | M6 x 1.0             |                    |       |      |                |                |
| PT06-M12 |                      | M12 x 1.5            | 10                 | No    | N/A  | N/A            | N/A            |
| PT06-M16 |                      | M16 x 1.5            |                    |       |      |                |                |
| PT08-01  |                      | 8mm                  | 1/8" Male BSPT (R) | 10    | Yes  | 14mm           | 1.10" (28.0mm) |
| PT08-02  | 1/4" Male BSPT (R)   |                      | 1.22" (31.0mm)     |       |      |                | 0.84oz (24.0g) |
| PT08-03  | 3/8" Male BSPT (R)   |                      | 17mm               |       |      | 1.25" (32.0mm) | 1.09oz (31.0g) |
| PT08-04  | 1/2" Male BSPT (R)   |                      | 5                  | 21mm  |      | 1.37" (35.0mm) | 1.90oz (54.0g) |
| PT08-G01 | 1/8" Female BSPP (G) |                      | 10                 | 14mm  |      | 0.98" (25.0mm) | 0.81oz (23.0g) |
| PT08-G02 | 1/4" Female BSPP (G) |                      |                    | 17mm  |      | 1.06" (27.0mm) | 0.95oz (27.0g) |
| PT08-G03 | 3/8" Female BSPP (G) |                      |                    | 20mm  |      | 1.04" (26.5mm) | 1.09oz (31.0g) |
| PT08-G04 | 1/2" Female BSPP (G) |                      | 5                  | No    | 24mm | 1.10" (28.0mm) | 1.79oz (51.0g) |
| PT08-M12 | M12 x 1.5            |                      | 10                 |       | N/A  | N/A            | N/A            |
| PT08-M16 | M16 x 1.5            |                      |                    |       |      |                |                |
| PT08-M22 | M22 x 1.5            |                      |                    |       |      |                |                |
| PT10-01  | 10mm                 |                      | 1/8" Male BSPT (R) | 5     | Yes  | 17mm           | 1.22" (28.5mm) |
| PT10-02  |                      | 1/4" Male BSPT (R)   | 1.24" (31.5mm)     |       |      |                | 1.23oz (35.0g) |
| PT10-03  |                      | 3/8" Male BSPT (R)   | 1.27" (32.5mm)     |       |      |                | 1.26oz (36.0g) |
| PT10-04  |                      | 1/2" Male BSPT (R)   | 21mm               |       |      | 1.39" (35.5mm) | 2.12oz (60.0g) |
| PT10-G01 |                      | 1/8" Female BSPP (G) | 17mm               |       |      | 1.00" (25.5mm) | 1.27oz (36.0g) |
| PT10-G02 |                      | 1/4" Female BSPP (G) |                    |       |      | 1.08" (27.5mm) | 1.41oz (40.0g) |
| PT10-G03 |                      | 3/8" Female BSPP (G) |                    |       | 20mm | 1.06" (27.0mm) | 1.45oz (41.0g) |
| PT10-G04 |                      | 1/2" Female BSPP (G) | No                 |       | 24mm | 1.12" (28.5mm) | 2.12oz (60.0g) |
| PT10-M12 |                      | M12 x 1.5            |                    |       | N/A  | N/A            | N/A            |
| PT10-M16 |                      | M16 x 1.5            |                    |       |      |                |                |
| PT10-M22 |                      | M22 x 1.5            |                    |       |      |                |                |

# Technifit™ Push-to-Connect Fittings

## Swivel Male Branch Tee – PT (continued)



### Metric Tube Sizes

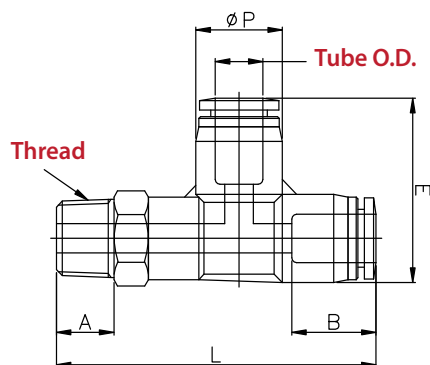
| Model    | Tube OD | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------|---------|----------------------|--------------|-------|------|----------------|----------------|
| PT12-01  | 12mm    | 1/8" Male BSPT (R)   | 5            | Yes   | 19mm | 1.27" (32.4mm) | 1.76oz (50.0g) |
| PT12-02  |         | 1/4" Male BSPT (R)   |              |       |      | 1.35" (34.4mm) | 1.66oz (47.0g) |
| PT12-03  |         | 3/8" Male BSPT (R)   |              |       |      | 1.39" (35.4mm) | 1.76oz (50.0g) |
| PT12-04  |         | 1/2" Male BSPT (R)   |              |       | 21mm | 1.51" (38.4mm) | 2.11oz (60.0g) |
| PT12-G02 |         | 1/4" Female BSPP (G) |              | No    | 19mm | 1.19" (30.4mm) | 1.66oz (47.0g) |
| PT12-G03 |         | 3/8" Female BSPP (G) |              | Yes   | 20mm | 1.17" (29.9mm) | 1.98oz (56.0g) |
| PT12-G04 |         | 1/2" Female BSPP (G) |              | No    | 24mm | 1.23" (31.4mm) | 2.68oz (76.0g) |
| PT12-M12 |         | M12 x 1.5            |              |       | N/A  | N/A            | N/A            |
| PT12-M14 |         | M14 x 1.5            |              |       |      |                |                |
| PT12-M16 |         | M16 x 1.5            |              |       |      |                |                |
| PT12-M22 |         | M22 x 1.5            |              |       |      |                |                |
| PT16-03  | 16mm    | 3/8" Male BSPT (R)   | 3            | Yes   | 24mm | 1.68" (42.8mm) | 3.03oz (86.0g) |
| PT16-04  |         | 1/2" Male BSPT (R)   |              |       |      | 1.80" (45.8mm) | 3.31oz (94.0g) |
| PT16-G03 |         | 3/8" Female BSPP (G) |              |       |      | 1.60" (40.8mm) | 2.72oz (77.0g) |
| PT16-G04 |         | 1/2" Female BSPP (G) |              |       |      | 1.64" (41.8mm) | 3.42oz (97.0g) |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Threaded Tee Fittings

### Swivel Male Run Tee – PST

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.



Fractional Tube Sizes

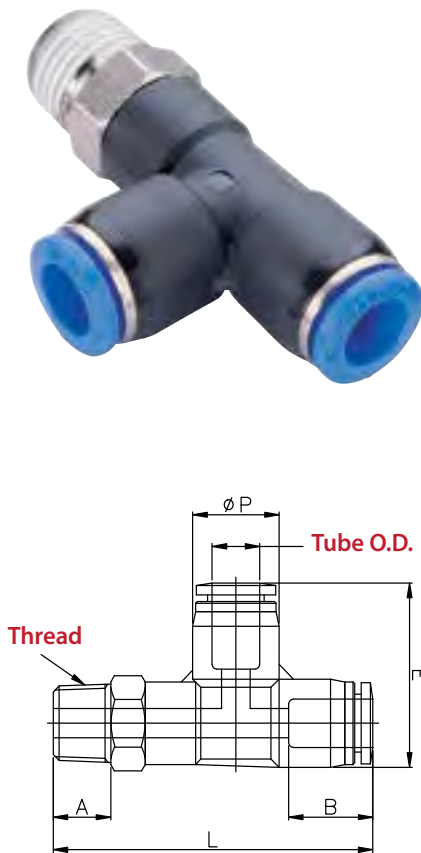
| Model      | Tube OD            | Thread             | Package Qty.   | Stock          | Hex            | Length         | Weight         |
|------------|--------------------|--------------------|----------------|----------------|----------------|----------------|----------------|
| PST5/32-U  | 5/32"              | 10-32 Male         | 10             | Yes            | 7/16"          | 1.64" (41.9mm) | 0.33oz (9.60g) |
| PST5/32-N1 |                    | 1/8" Male NPT      |                |                |                | 1.79" (45.5mm) | 0.40oz (11.6g) |
| PST5/32-N2 |                    | 1/4" Male NPT      |                |                | 9/16"          | 1.90" (48.5mm) | 0.55oz (15.6g) |
| PST3/16-U  | 3/16"              | 10-32 Male         | 10             | No             | 7/16"          | 1.63" (41.5mm) | 0.33oz (9.40g) |
| PST3/16-N1 |                    | 1/8" Male NPT      |                | Yes            |                | 1.77" (45.1mm) | 0.40oz (11.4g) |
| PST3/16-N2 |                    | 1/4" Male NPT      |                |                | 9/16"          | 1.89" (48.1mm) | 0.54oz (15.4g) |
| PST3/16-N3 |                    | 3/8" Male NPT      |                | No             | 11/16"         | 1.93" (49.1mm) | 0.68oz (19.4g) |
| PST1/4-U   | 1/4"               | 10-32 Male         | 10             | No             | 1/2"           | 1.86" (47.4mm) | 0.50oz (14.4g) |
| PST1/4-N1  |                    | 1/8" Male NPT      |                | Yes            |                | 1.94" (49.3mm) | 0.57oz (16.4g) |
| PST1/4-N2  |                    | 1/4" Male NPT      |                |                | 9/16"          | 2.04" (52.0mm) | 0.79oz (22.4g) |
| PST1/4-N3  |                    | 3/8" Male NPT      |                |                | 11/16"         | 2.08" (53.0mm) | 1.49oz (42.4g) |
| PST1/4-01  |                    | 1/8" Male BSPT (R) |                | No             | 12mm           | 1.90" (48.5mm) | 0.57oz (16.4g) |
| PST1/4-02  |                    | 1/4" Male BSPT (R) |                |                | 14mm           | 2.02" (51.5mm) | 0.79oz (22.4g) |
| PST1/4-03  |                    | 3/8" Male BSPT (R) |                |                | 17mm           | 2.06" (52.5mm) | 1.49oz (42.4g) |
| PST5/16-N1 |                    | 5/16"              |                | 1/8" Male NPT  | 10             | Yes            | 9/16"          |
| PST5/16-N2 | 1/4" Male NPT      |                    | No             | 2.19" (55.7mm) |                | 0.93oz (26.4g) |                |
| PST5/16-N3 | 3/8" Male NPT      |                    | No             | 11/16"         |                | 2.23" (56.7mm) | 1.07oz (30.4g) |
| PST5/16-N4 | 1/2" Male NPT      |                    |                | 7/8"           |                | 2.35" (59.8mm) | 1.77oz (50.4g) |
| PST5/16-01 | 1/8" Male BSPT (R) |                    |                | 14mm           |                | 2.05" (52.2mm) | 0.79oz (22.4g) |
| PST5/16-02 | 1/4" Male BSPT (R) |                    |                |                |                | 2.18" (55.5mm) | 0.93oz (26.4g) |
| PST5/16-03 | 3/8" Male BSPT (R) |                    |                |                |                | 17mm           | 2.21" (56.2mm) |
| PST3/8-N1  | 3/8"               |                    | 1/8" Male NPT  | 5              |                | Yes            | 11/16"         |
| PST3/8-N2  |                    | 1/4" Male NPT      | 2.33" (59.3mm) |                | 1.35oz (38.4g) |                |                |
| PST3/8-N3  |                    | 3/8" Male NPT      | 2.37" (60.3mm) |                | 1.53oz (43.4g) |                |                |
| PST3/8-N4  |                    | 1/2" Male NPT      | No             |                | 7/8"           | 2.49" (63.3mm) | 2.05oz (58.4g) |
| PST3/8-02  |                    | 1/4" Male BSPT (R) |                |                | 17mm           | 2.31" (58.8mm) | 1.35oz (38.4g) |
| PST3/8-03  |                    | 3/8" Male BSPT (R) |                |                |                | 2.35" (59.8mm) | 1.53oz (43.4g) |
| PST3/8-04  |                    | 1/2" Male BSPT (R) |                |                |                | 21mm           | 2.47" (62.8mm) |
| PST1/2-N2  | 1/2"               | 1/4" Male NPT      | 5              | Yes            | 3/4"           | 2.59" (65.8mm) | 1.58oz (45.0g) |
| PST1/2-N3  |                    | 3/8" Male NPT      |                |                |                | 2.62" (66.8mm) | 1.90oz (54.0g) |
| PST1/2-N4  |                    | 1/2" Male NPT      |                |                | 7/8"           | 2.74" (69.8mm) | 2.61oz (74.0g) |
| PST1/2-02  |                    | 1/4" Male BSPT (R) |                | No             | 19mm           | 2.57" (65.3mm) | 1.58oz (45.0g) |
| PST1/2-03  |                    | 3/8" Male BSPT (R) |                |                |                | 2.61" (66.3mm) | 1.90oz (54.0g) |
| PST1/2-04  |                    | 1/2" Male BSPT (R) |                |                | 21mm           | 2.72" (69.3mm) | 2.61oz (74.0g) |

# Technifit™ Push-to-Connect Fittings

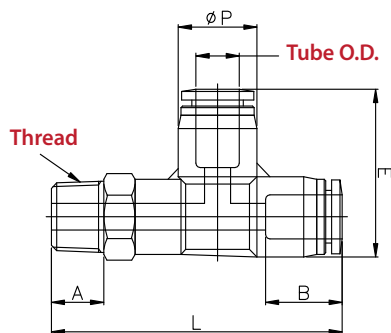
## Swivel Male Run Tee – PST (continued)

### Metric Tube Sizes

| Model     | Tube OD | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|----------------------|--------------|-------|------|----------------|----------------|
| PST04-01  | 4mm     | 1/8" Male BSPT (R)   | 10           | Yes   | 10mm | 1.77" (45.0mm) | 0.42oz (12.0g) |
| PST04-02  |         | 1/4" Male BSPT (R)   |              |       | 14mm | 1.85" (47.0mm) | 0.63oz (18.0g) |
| PST04-03  |         | 3/8" Male BSPT (R)   |              |       | 17mm | 1.88" (48.0mm) | 0.95oz (27.0g) |
| PST04-G01 |         | 1/8" Female BSPP (G) |              | No    | 14mm | 1.65" (42.0mm) | 0.49oz (14.0g) |
| PST04-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 1.73" (44.0mm) | 0.63oz (18.0g) |
| PST04-G03 |         | 3/8" Female BSPP (G) |              |       | 20mm | 1.71" (43.5mm) | 0.84oz (24.0g) |
| PST04-M5  |         | M5 x 0.8             |              | Yes   | 10mm | 1.61" (41.0mm) | 0.35oz (10.0g) |
| PST04-M6  |         | M6 x 1.0             |              | No    |      |                |                |
| PST06-01  | 6mm     | 1/8" Male BSPT (R)   | 10           | Yes   | 12mm | 1.90" (48.4mm) | 0.67oz (19.0g) |
| PST06-02  |         | 1/4" Male BSPT (R)   |              |       | 14mm | 2.02" (51.4mm) | 0.81oz (23.0g) |
| PST06-03  |         | 3/8" Male BSPT (R)   |              |       | 17mm | 2.06" (52.4mm) | 1.09oz (31.0g) |
| PST06-04  |         | 1/2" Male BSPT (R)   | 5            | No    | 21mm | 2.18" (55.4mm) | 1.97oz (56.0g) |
| PST06-G01 |         | 1/8" Female BSPP (G) | 10           | Yes   | 14mm | 1.78" (45.4mm) | 0.63oz (18.0g) |
| PST06-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 1.86" (47.4mm) | 0.81oz (23.0g) |
| PST06-G03 |         | 3/8" Female BSPP (G) |              | No    | 20mm | 1.84" (46.9mm) | 0.95oz (27.0g) |
| PST06-M5  |         | M5 x 0.8             |              | Yes   | 12mm | 1.74" (44.4mm) | 0.53oz (15.0g) |
| PST06-M6  |         | M6 x 1.0             |              |       |      | 1.75" (44.5mm) | 0.53oz (15.0g) |
| PST06-M12 |         | M12 x 1.5            |              | No    | N/A  | N/A            | N/A            |
| PST06-M16 |         | M16 x 1.5            |              |       |      |                |                |
| PST08-01  | 8mm     | 1/8" Male BSPT (R)   | 10           | Yes   | 14mm | 2.05" (52.1mm) | 0.59oz (17.0g) |
| PST08-02  |         | 1/4" Male BSPT (R)   |              |       |      | 2.16" (55.1mm) | 0.88oz (25.0g) |
| PST08-03  |         | 3/8" Male BSPT (R)   |              |       | 17mm | 2.20" (56.1mm) | 1.05oz (30.0g) |
| PST08-04  |         | 1/2" Male BSPT (R)   | 5            |       | 21mm | 2.32" (59.1mm) | 1.90oz (54.0g) |
| PST08-G01 |         | 1/8" Female BSPP (G) | 10           |       | 14mm | 1.93" (49.1mm) | 0.70oz (20.0g) |
| PST08-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 2.01" (51.1mm) | 0.91oz (26.0g) |
| PST08-G03 |         | 3/8" Female BSPP (G) |              |       | 20mm | 1.99" (50.6mm) | 0.98oz (28.0g) |
| PST08-G04 |         | 1/2" Female BSPP (G) | 5            |       | 24mm | 2.05" (52.1mm) | 1.51oz (43.0g) |
| PST08-M12 |         | M12 x 1.5            | 10           | No    | N/A  | N/A            | N/A            |
| PST08-M16 |         | M16 x 1.5            |              |       |      |                |                |
| PST08-M22 |         | M22 x 1.5            |              |       |      |                |                |
| PST10-01  | 10mm    | 1/8" Male BSPT (R)   | 5            | Yes   | 17mm | 2.19" (55.8mm) | 1.19oz (34.0g) |
| PST10-02  |         | 1/4" Male BSPT (R)   |              |       |      | 2.31" (58.8mm) | 1.26oz (36.0g) |
| PST10-03  |         | 3/8" Male BSPT (R)   |              |       |      | 2.35" (59.8mm) | 1.34oz (38.0g) |
| PST10-04  |         | 1/2" Male BSPT (R)   |              |       | 21mm | 2.47" (62.8mm) | 2.11oz (60.0g) |
| PST10-G01 |         | 1/8" Female BSPP (G) |              |       | 17mm | 2.07" (52.8mm) | 1.09oz (31.0g) |
| PST10-G02 |         | 1/4" Female BSPP (G) |              |       |      | 2.15" (54.8mm) | 1.12oz (32.0g) |
| PST10-G03 |         | 3/8" Female BSPP (G) |              |       |      | 20mm           | 2.13" (54.3mm) |
| PST10-G04 |         | 1/2" Female BSPP (G) |              |       | 24mm | 2.19" (55.8mm) | 1.83oz (52.0g) |
| PST10-M12 |         | M12 x 1.5            | 10           | No    | N/A  | N/A            | N/A            |
| PST10-M16 |         | M16 x 1.5            |              |       |      |                |                |
| PST10-M22 |         | M22 x 1.5            |              |       |      |                |                |



# Technifit™ Push-to-Connect Fittings



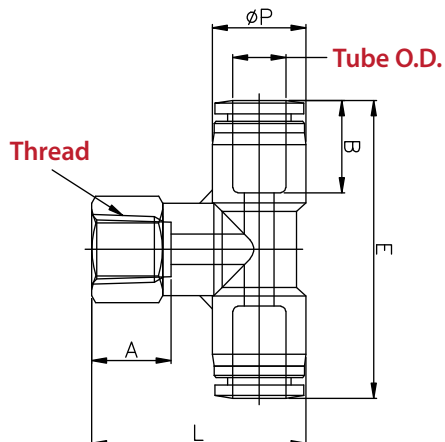
## Swivel Male Run Tee – PST (continued)

### Metric Tube Sizes

| Model     | Tube OD | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|----------------------|--------------|-------|------|----------------|----------------|
| PST12-01  | 12mm    | 1/8" Male BSPT (R)   | 5            | No    | 19mm | 2.48" (63.1mm) | 1.79oz (51.0g) |
| PST12-02  |         | 1/4" Male BSPT (R)   |              | Yes   |      | 2.56" (65.1mm) | 1.76oz (50.0g) |
| PST12-03  |         | 3/8" Male BSPT (R)   |              |       |      | 2.60" (66.1mm) | 1.83oz (52.0g) |
| PST12-04  |         | 1/2" Male BSPT (R)   |              | No    | 21mm | 2.72" (69.1mm) | 2.32oz (66.0g) |
| PST12-G02 |         | 1/4" Female BSPP (G) |              |       | 19mm | 2.40" (61.1mm) | 1.58oz (45.0g) |
| PST12-G03 |         | 3/8" Female BSPP (G) |              |       | 20mm | 2.38" (60.6mm) |                |
| PST12-G04 |         | 1/2" Female BSPP (G) |              |       | 24mm | 2.44" (62.1mm) | 2.01oz (57.0g) |
| PST12-M12 |         | M12 x 1.5            |              | N/A   | N/A  | N/A            |                |
| PST12-M14 |         | M14 x 1.5            |              |       |      |                |                |
| PST12-M16 |         | M16 x 1.5            |              |       |      |                |                |
| PST12-M22 |         | M22 x 1.5            |              |       |      |                |                |

## Swivel Female Branch Tee – PTF

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



### Fractional Tube Sizes

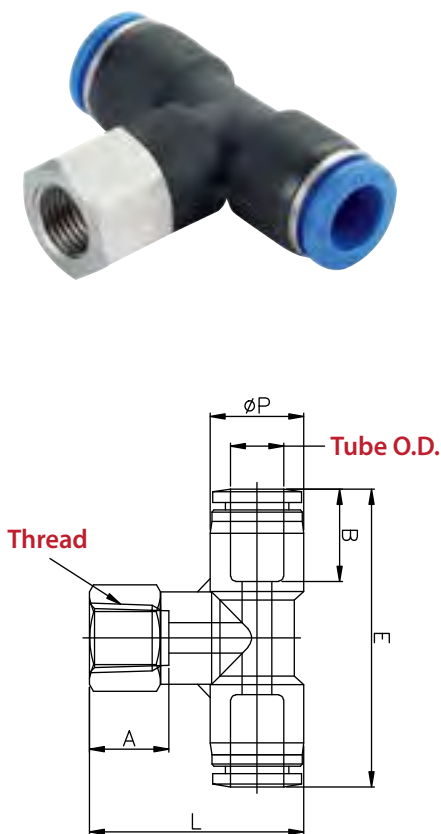
| Model      | Tube OD | Thread          | Package Qty. | Stock | Hex    | Length         | Weight         |
|------------|---------|-----------------|--------------|-------|--------|----------------|----------------|
| PTF5/32-U  | 5/32"   | 10-32 Female    | 10           | Yes   | 13/32" | 0.84" (21.5mm) | 0.41oz (11.6g) |
| PTF5/32-N1 |         | 1/8" Female NPT |              |       | 9/16"  |                | 0.44oz (12.6g) |
| PTF5/32-N2 |         | 1/4" Female NPT |              |       | 11/16" | 0.88" (22.5mm) | 0.69oz (19.6g) |
| PTF3/16-U  | 3/16"   | 10-32 Female    | 10           | No    | 7/16"  | 0.84" (21.5mm) | 0.40oz (11.4g) |
| PTF3/16-N1 |         | 1/8" Female NPT |              |       | 9/16"  | 0.88" (22.5mm) | 0.43oz (12.4g) |
| PTF3/16-N2 |         | 1/4" Female NPT |              |       | 11/16" | 0.96" (24.5mm) | 0.68oz (19.4g) |
| PTF1/4-U   | 1/4"    | 10-32 Female    | 10           | Yes   | 1/2"   | 0.82" (21.0mm) | 0.68oz (19.4g) |
| PTF1/4-N1  |         | 1/8" Female NPT |              |       | 9/16"  | 0.98" (25.0mm) | 1.21oz (34.4g) |
| PTF1/4-N2  |         | 1/4" Female NPT |              |       | 11/16" | 1.08" (27.5mm) | 1.31oz (37.4g) |
| PTF1/4-N3  |         | 3/8" Female NPT |              | No    | 7/8"   | 1.10" (28.0mm) | 1.38oz (39.4g) |
| PTF5/16-N1 | 5/16"   | 1/8" Female NPT | 10           | Yes   | 9/16"  | 1.02" (26.0mm) | 1.38oz (39.4g) |
| PTF5/16-N2 |         | 1/4" Female NPT | 5            | No    | 11/16" | 1.10" (28.0mm) | 1.49oz (42.4g) |
| PTF5/16-N3 |         | 3/8" Female NPT |              |       | 7/8"   | 1.14" (29.0mm) | 1.60oz (45.4g) |
| PTF3/8-N2  | 3/8"    | 1/4" Female NPT | 5            | Yes   | 11/16" | 1.12" (28.5mm) | 2.41oz (68.4g) |
| PTF3/8-N3  |         | 3/8" Female NPT |              |       | 7/8"   | 1.16" (29.5mm) | 2.69oz (76.4g) |
| PTF3/8-N4  |         | 1/2" Female NPT |              | No    | 15/16" | 1.24" (31.5mm) | 2.09oz (59.4g) |
| PTF1/2-N3  | 1/2"    | 3/8" Female NPT | 5            | Yes   | 7/8"   | 1.29" (33.0mm) | 3.45oz (98.0g) |
| PTF1/2-N4  |         | 1/2" Female NPT |              |       | 15/16" | 1.37" (35.0mm) | 4.37oz (124g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Female Branch Tee – PTF (continued)

### Metric Tube Sizes

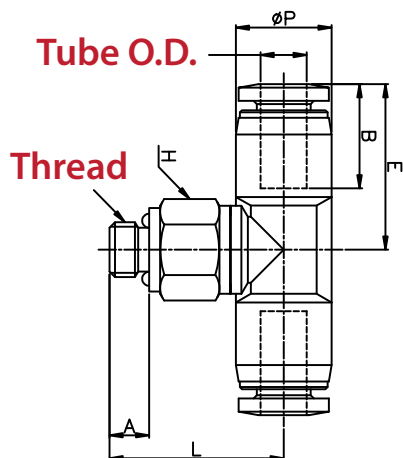
| Model     | Tube OD | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|----------------------|--------------|-------|------|----------------|----------------|
| PTF04-01  | 4mm     | 1/8" Female BSPT (R) | 10           | Yes   | 14mm | 0.84" (21.5mm) | 0.42oz (12.0g) |
| PTF04-02  |         | 1/4" Female BSPT (R) |              |       | 17mm | 0.84" (21.5mm) | 0.42oz (12.0g) |
| PTF04-G01 |         | 1/8" Female BSPP (G) |              | No    | 14mm | 0.88" (22.5mm) | 0.56oz (16.0g) |
| PTF04-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 0.96" (24.5mm) | 0.77oz (22.0g) |
| PTF04-M5  |         | M5 x 0.8             |              |       | 10mm | 0.88" (22.5mm) | 0.35oz (10.0g) |
| PTF04-M6  |         | M6 x 1.0             |              |       | 10mm | 0.96" (24.5mm) | 0.77oz (22.0g) |
| PTF06-01  | 6mm     | 1/8" Female BSPT (R) | 10           | Yes   | 14mm | 0.96" (24.5mm) | 0.70oz (20.0g) |
| PTF06-02  |         | 1/4" Female BSPT (R) |              |       | 17mm | 1.04" (26.5mm) | 0.91oz (26.0g) |
| PTF06-03  |         | 3/8" Female BSPT (R) | 5            | No    | 22mm | 1.08" (27.5mm) | 1.44oz (41.0g) |
| PTF06-G01 |         | 1/8" Female BSPP (G) | 10           |       | 14mm | 0.96" (24.5mm) | 0.70oz (20.0g) |
| PTF06-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 1.04" (26.5mm) | 0.84oz (24.0g) |
| PTF06-G03 |         | 3/8" Female BSPP (G) | 5            |       | 22mm | 1.08" (27.5mm) | 1.37oz (39.0g) |
| PTF06-M5  |         | M5 x 0.8             | 10           |       | 12mm | 0.84" (21.5mm) | 0.67oz (19.0g) |
| PTF06-M6  |         | M6 x 1.0             |              |       | 12mm | 0.84" (21.5mm) | 0.63oz (18.0g) |
| PTF08-01  | 8mm     | 1/8" Female BSPT (R) | 10           | No    | 14mm | 1.02" (26.0mm) | 0.81oz (23.0g) |
| PTF08-02  |         | 1/4" Female BSPT (R) |              |       | 17mm | 1.10" (28.0mm) | 1.09oz (31.0g) |
| PTF08-03  |         | 3/8" Female BSPT (R) | 5            |       | 22mm | 1.14" (29.0mm) | 1.55oz (44.0g) |
| PTF08-04  |         | 1/2" Female BSPT (R) |              |       | 24mm | 1.22" (31.0mm) | 1.48oz (42.0g) |
| PTF08-G01 |         | 1/8" Female BSPP (G) | 10           |       | 14mm | 1.02" (26.0mm) | 0.81oz (23.0g) |
| PTF08-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 1.10" (28.0mm) | 0.98oz (28.0g) |
| PTF08-G03 |         | 3/8" Female BSPP (G) | 5            |       | 22mm | 1.14" (29.0mm) | 1.51oz (43.0g) |
| PTF08-G04 |         | 1/2" Female BSPP (G) |              |       | 24mm | 1.22" (31.0mm) | 1.55oz (44.0g) |
| PTF10-01  | 10mm    | 1/8" Female BSPT (R) | 5            | No    | 17mm | 1.12" (28.5mm) | 1.48oz (42.0g) |
| PTF10-02  |         | 1/4" Female BSPT (R) |              |       | 17mm | 1.12" (28.5mm) | 1.30oz (37.0g) |
| PTF10-03  |         | 3/8" Female BSPT (R) |              |       | 22mm | 1.16" (29.5mm) | 1.79oz (51.0g) |
| PTF10-04  |         | 1/2" Female BSPT (R) |              | Yes   | 24mm | 1.24" (31.5mm) | 1.83oz (52.0g) |
| PTF10-G01 |         | 1/8" Female BSPP (G) |              |       | No   | 17mm           | 1.12" (28.5mm) |
| PTF10-G02 |         | 1/4" Female BSPP (G) |              | 17mm  |      | 1.12" (28.5mm) | 1.23oz (35.0g) |
| PTF10-G03 |         | 3/8" Female BSPP (G) |              | 22mm  |      | 1.16" (29.5mm) | 1.58oz (45.0g) |
| PTF10-G04 |         | 1/2" Female BSPP (G) |              | 24mm  |      | 1.24" (31.5mm) | 1.62oz (46.0g) |
| PTF12-02  | 12mm    | 1/4" Female BSPT (R) | 5            | No    | 19mm | 1.23" (31.4mm) | 1.83oz (52.0g) |
| PTF12-03  |         | 3/8" Female BSPT (R) |              | Yes   | 22mm | 1.27" (32.4mm) | 2.04oz (58.0g) |
| PTF12-04  |         | 1/2" Female BSPT (R) |              | No    | 24mm | 1.35" (34.4mm) | 2.15oz (61.0g) |
| PTF12-G02 |         | 1/4" Female BSPP (G) |              |       | 19mm | 1.23" (31.4mm) | 1.76oz (50.0g) |
| PTF12-G03 |         | 3/8" Female BSPP (G) |              |       | 22mm | 1.27" (32.4mm) | 2.04oz (58.0g) |
| PTF12-G04 |         | 1/2" Female BSPP (G) |              |       | 24mm | 1.35" (34.4mm) | 2.04oz (58.0g) |



# Technifit™ Push-to-Connect Fittings

## Compact Swivel Male Branch Tee – PT-C

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



### Fractional Tube Sizes

| Model      | Tube OD | Thread             | Package Qty. | Stock | Hex   | Length         | Weight         |
|------------|---------|--------------------|--------------|-------|-------|----------------|----------------|
| PT1/8-UC   | 1/8"    | 10-32 Male         | 10           | Yes   | 5/16" | 0.60" (15.3mm) | 0.07oz (2.00g) |
| PT1/8-N0C  |         | 1/16" Male NPT     |              | No    |       |                | 0.10oz (3.00g) |
| PT1/8-N1C  |         | 1/8" Male NPT      |              | Yes   | 7/16" | 0.62" (15.8mm) | 0.17oz (5.00g) |
| PT1/8-01C  |         | 1/8" Male BSPT (R) |              | No    | 10mm  |                | 0.21oz (6.00g) |
| PT1/8-M3C  |         | M3 x 0.5           |              |       | 8mm   | 0.57" (14.7mm) | 0.07oz (2.00g) |
| PT1/8-M5C  |         | M5 x 0.8           |              |       |       | 0.60" (15.3mm) | 0.10oz (3.00g) |
| PT1/8-M6C  |         | M6 x 1.0           |              |       |       | 0.62" (15.8mm) | 0.14oz (4.00g) |
| PT5/32-UC  | 5/32"   | 10-32 Male         | 10           | No    | 5/16" | 0.63" (15.9mm) | 0.17oz (5.00g) |
| PT5/32-N0C |         | 1/16" Male NPT     |              |       |       |                |                |
| PT5/32-N1C |         | 1/8" Male NPT      |              |       | 7/16" | 0.64" (16.4mm) | 0.21oz (6.00g) |
| PT5/32-01C |         | 1/8" Male BSPT (R) |              |       | 10mm  |                | 0.24oz (7.00g) |
| PT5/32-M3C |         | M3 x 0.5           |              | No    | 8mm   | 0.60" (15.3mm) | 0.14oz (4.00g) |
| PT5/32-M5C |         | M5 x 0.8           |              |       |       | 0.63" (15.9mm) |                |
| PT5/32-M6C |         | M6 x 1.0           |              |       |       | 0.64" (16.4mm) | 0.17oz (5.00g) |
| PT1/4-UC   | 1/4"    | 10-32 Male         | 10           | No    | 5/16" | 0.67" (17.2mm) | 0.35oz (10.0g) |
| PT1/4-N0C  |         | 1/16" Male NPT     |              | Yes   | 7/16" | 0.69" (17.7mm) | 0.42oz (12.0g) |
| PT1/4-N1C  |         | 1/8" Male NPT      |              |       |       |                | 0.56oz (16.0g) |
| PT1/4-01C  |         | 1/8" Male BSPT (R) |              | No    | 10mm  |                |                |
| PT1/4-M5C  |         | M5 x 0.8           |              |       | 8mm   | 0.67" (17.2mm) | 0.42oz (12.0g) |
| PT1/4-M6C  |         | M6 x 1.0           |              |       |       | 0.69" (17.7mm) | 0.35oz (10.0g) |

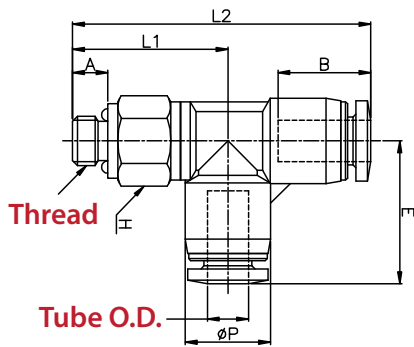
### Metric Tube Sizes

| Model    | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PT04-01C | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 0.64" (16.4mm) | 0.24oz (7.00g) |
| PT04-M3C |         | M3 x 0.5           |              |       | 8mm  | 0.60" (15.3mm) | 0.17oz (5.00g) |
| PT04-M5C |         | M5 x 0.8           |              |       |      | 0.62" (15.9mm) |                |
| PT04-M6C |         | M6 x 1.0           |              | Yes   |      | 0.64" (16.4mm) | 0.21oz (6.00g) |
| PT06-01C | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 0.68" (17.4mm) | 0.31oz (9.00g) |
| PT06-M5C |         | M5 x 0.8           |              |       | 8mm  | 0.66" (16.9mm) | 0.24oz (7.00g) |
| PT06-M6C |         | M6 x 1.0           |              |       |      | 0.68" (17.4mm) |                |

# Technifit™ Push-to-Connect Fittings

## Compact Swivel Male Run Tee – PST-C

Compact Swivel Male Run Tees provide two push-to-connect ports 90° apart, along with a single male threaded fitting in a small package. The male fitting swivels, and provides a hex for installation.



### Fractional Tube Sizes

| Model       | Tube OD | Thread             | Package Qty. | Stock | Hex        | Length         | Weight         |
|-------------|---------|--------------------|--------------|-------|------------|----------------|----------------|
| PST1/8-UC   | 1/8"    | 10-32 Male         | 10           | Yes   | 5/16"      | 1.13" (28.9mm) | 0.07oz (2.00g) |
| PST1/8-N0C  |         | 1/16" Male NPT     |              |       |            | 0.10oz (3.00g) |                |
| PST1/8-N1C  |         | 1/8" Male NPT      |              | No    | 7/16"      | 1.15" (29.4mm) | 0.17oz (5.00g) |
| PST1/8-01C  |         | 1/8" Male BSPT (R) |              |       | 10mm       | 0.21oz (6.00g) |                |
| PST1/8-M3C  |         | M3 x 0.5           |              |       | 8mm<br>8mm | 1.14" (28.3mm) | 0.07oz (2.00g) |
| PST1/8-M5C  |         | M5 x 0.8           |              |       |            | 1.13" (28.9mm) | 0.10oz (3.00g) |
| PST1/8-M6C  |         | M6 x 1.0           |              |       |            | 1.15" (29.4mm) | 0.14oz (4.00g) |
| PST5/32-UC  | 5/32"   | 10-32 Male         | 10           | No    | 5/16"      | 1.19" (30.4mm) | 0.17oz (5.00g) |
| PST5/32-N0C |         | 1/16" Male NPT     |              |       |            |                |                |
| PST5/32-N1C |         | 1/8" Male NPT      |              |       | 7/16"      | 1.21" (30.9mm) | 0.21oz (6.00g) |
| PST5/32-01C |         | 1/8" Male BSPT (R) |              |       | 10mm       |                | 0.24oz (7.00g) |
| PST5/32-M3C |         | M3 x 0.5           |              |       | 8mm        | 1.17" (29.8mm) | 0.14oz (4.00g) |
| PST5/32-M5C |         | M5 x 0.8           |              |       |            | 1.19" (30.4mm) | 0.17oz (4.00g) |
| PST5/32-M6C |         | M6 x 1.0           |              |       |            | 1.21" (30.9mm) |                |
| PST1/4-UC   | 1/4"    | 10-32 Male         | 10           | No    | 5/16"      | 1.37" (34.8mm) | 0.35oz (10.0g) |
| PST1/4-N0C  |         | 1/16" Male NPT     |              |       |            |                | 0.42oz (12.0g) |
| PST1/4-N1C  |         | 1/8" Male NPT      |              |       | 7/16"      | 1.38" (35.3mm) | 0.56oz (16.0g) |
| PST1/4-01C  |         | 1/8" Male BSPT (R) |              |       | 10mm       | 1.38" (35.3mm) |                |
| PST1/4-M5C  |         | M5 x 0.8           |              |       | 8mm        | 1.37" (34.8mm) | 0.35oz (10.0g) |
| PST1/4-M6C  |         | M6 x 1.0           |              |       |            | 1.39" (35.3mm) | 0.42oz (12.0g) |

### Metric Tube Sizes

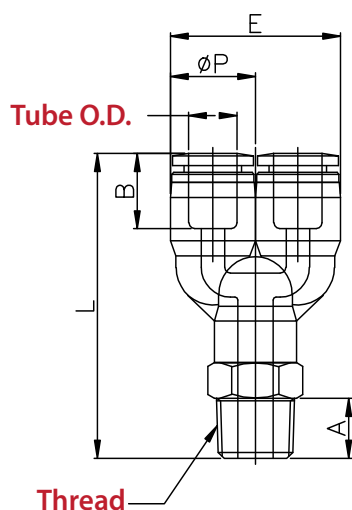
| Model     | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PST04-01C | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 1.21" (30.9mm) | 0.31oz (9.00g) |
| PST04-M3C |         | M3 x 0.5           |              | Yes   |      | 1.17" (29.8mm) | 0.17oz (5.00g) |
| PST04-M5C |         | M5 x 0.8           |              | No    | 8mm  | 1.19" (30.4mm) | 0.21oz (6.00g) |
| PST04-M6C |         | M6 x 1.0           |              |       |      | 1.21" (30.9mm) | 0.21oz (6.00g) |
| PST06-01C | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 1.33" (33.9mm) | 0.35oz (10.0g) |
| PST06-M5C |         | M5 x 0.8           |              |       | 8mm  | 1.31" (33.4mm) | 0.24oz (7.00g) |
| PST06-M6C |         | M6 x 1.0           |              |       |      | 1.33" (33.9mm) | 0.24oz (7.00g) |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Threaded Y Fittings

### Swivel Male “Y” – PWT

Swivel Male “Y” fittings provide two push-to-connect ports parallel to each other, opposing a single male thread. The male thread swivels and features a hex shape for installation.

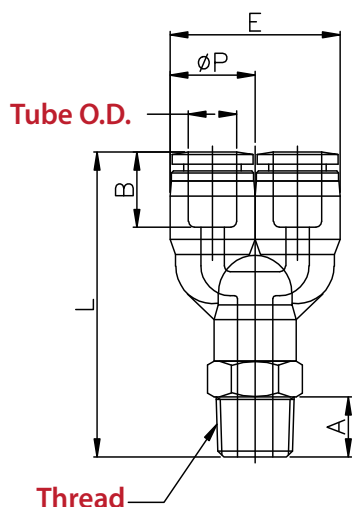


Fractional Tube Sizes

| Model      | Tube OD            | Thread             | Package Qty. | Stock          | Hex            | Length         | Weight         |
|------------|--------------------|--------------------|--------------|----------------|----------------|----------------|----------------|
| PWT5/32-U  | 5/32"              | 10-32 male         | 10           | Yes            | 7/16"          | 1.58" (40.3mm) | 0.37oz (10.6g) |
| PWT5/32-N1 |                    | 1/8" Male NPT      |              |                |                | 1.72" (43.9mm) | 0.40oz (11.6g) |
| PWT5/32-N2 |                    | 1/4" Male NPT      |              |                |                | 1.84" (46.9mm) | 0.62oz (17.6g) |
| PWT3/16-U  | 3/16"              | 10-32 male         | 10           | No             | 7/16"          | 1.64" (41.8mm) | 0.36oz (10.4g) |
| PWT3/16-N1 |                    | 1/8" Male NPT      |              |                |                | 1.78" (45.4mm) | 0.40oz (11.4g) |
| PWT3/16-N2 |                    | 1/4" Male NPT      |              |                | 9/16"          | 1.90" (48.4mm) | 0.61oz (17.4g) |
| PWT3/16-N3 |                    | 3/8" Male NPT      |              |                | 11/16"         | 1.94" (49.4mm) | 0.68oz (19.4g) |
| PWT1/4-U   | 1/4"               | 10-32 Male         | 10           | No             | 1/2"           | 1.80" (45.8mm) | 0.54oz (15.4g) |
| PWT1/4-N1  |                    | 1/8" Male NPT      |              | Yes            |                | 1.87" (47.7mm) | 0.64oz (18.4g) |
| PWT1/4-N2  |                    | 1/4" Male NPT      |              | 9/16"          | 1.98" (50.4mm) | 0.68oz (19.4g) |                |
| PWT1/4-N3  |                    | 3/8" Male NPT      |              | 11/16"         | 2.02" (51.4mm) | 1.10oz (31.4g) |                |
| PWT1/4-O1  |                    | 1/8" Male BSPT (R) |              | 12mm           | 1.84" (46.9mm) | 0.64oz (18.4g) |                |
| PWT1/4-O2  |                    | 1/4" Male BSPT (R) |              | No             | 14mm           | 1.96" (49.9mm) | 0.68oz (19.4g) |
| PWT1/4-O3  |                    | 3/8" Male BSPT (R) |              |                | 17mm           | 2.00" (50.9mm) | 1.10oz (31.4g) |
| PWT5/16-N1 |                    | 5/16"              |              | 1/8" Male NPT  | 10             | No             | 9/16"          |
| PWT5/16-N2 | 1/4" Male NPT      |                    | 11/16"       | 1.99" (50.7mm) |                |                | 1.00oz (28.4g) |
| PWT5/16-N3 | 3/8" Male NPT      |                    |              | 2.04" (52.0mm) |                |                | 1.03oz (29.4g) |
| PWT5/16-N4 | 1/2" Male NPT      |                    | 5            | 7/8"           | 2.16" (55.0mm) |                | 1.74oz (49.4g) |
| PWT5/16-O1 | 1/8" Male BSPT (R) |                    | 10           | 14mm           | 1.87" (47.5mm) |                | 0.68oz (19.4g) |
| PWT5/16-O2 | 1/4" Male BSPT (R) |                    |              |                | 1.98" (50.5mm) |                | 1.00oz (28.4g) |
| PWT5/16-O3 | 3/8" Male BSPT (R) |                    |              |                | 17mm           |                |                |
| PWT3/8-N1  | 3/8"               | 1/8" Male NPT      | 5            | Yes            | 11/16"         | 2.07" (52.7mm) | 1.00oz (28.4g) |
| PWT3/8-N2  |                    | 1/4" Male NPT      |              |                |                | 2.15" (54.7mm) | 1.28oz (36.4g) |
| PWT3/8-N3  |                    | 3/8" Male NPT      |              |                |                | 2.19" (55.7mm) | 1.35oz (38.4g) |
| PWT3/8-N4  |                    | 1/2" Male NPT      |              | No             | 7/8"           | 2.31" (58.7mm) | 2.05oz (58.4g) |
| PWT3/8-O2  |                    | 1/4" Male BSPT (R) |              |                | 17mm           | 2.13" (54.2mm) | 1.28oz (36.4g) |
| PWT3/8-O3  |                    | 3/8" Male BSPT (R) |              |                |                | 2.17" (55.2mm) | 1.35oz (38.4g) |
| PWT3/8-O4  |                    | 1/2" Male BSPT (R) |              |                | 21mm           | 2.29" (58.2mm) | 2.06oz (58.4g) |
| PWT1/2-N2  | 1/2"               | 1/4" Male NPT      | 5            | No             | 3/4"           | 2.54" (64.6mm) | 2.04oz (58.0g) |
| PWT1/2-N3  |                    | 3/8" Male NPT      |              | Yes            |                | 2.58" (65.6mm) | 2.39oz (68.0g) |
| PWT1/2-N4  |                    | 1/2" Male NPT      |              | 7/8"           | 2.70" (68.6mm) | 2.75oz (78.0g) |                |
| PWT1/2-O2  |                    | 1/4" Male BSPT (R) |              | No             | 19mm           | 2.52" (64.1mm) | 2.04oz (58.0g) |
| PWT1/2-O3  |                    | 3/8" Male BSPT (R) |              |                |                | 2.56" (65.1mm) | 2.39oz (68.0g) |
| PWT1/2-O4  |                    | 1/2" Male BSPT (R) |              |                | 21mm           | 2.68" (68.1mm) | 2.75oz (78.0g) |

# Technifit™ Push-to-Connect Fittings

## Swivel Male “Y” – PWT (continued)



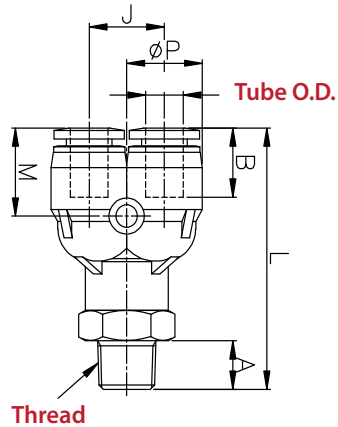
### Metric Tube Sizes

| Model     | Tube OD | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|----------------------|--------------|-------|------|----------------|----------------|
| PWT04-01  | 4mm     | 1/8" Male BSPT (R)   | 5            | Yes   | 10mm | 1.70" (43.4mm) | 0.42oz (12.0g) |
| PWT04-02  |         | 1/4" Male BSPT (R)   |              |       | 14mm | 1.78" (45.4mm) | 0.63oz (18.0g) |
| PWT04-03  |         | 3/8" Male BSPT (R)   |              |       | 17mm | 1.82" (46.4mm) | 0.95oz (27.0g) |
| PWT04-G01 |         | 1/8" Female BSPP (G) |              | No    | 14mm | 1.59" (40.4mm) | 0.49oz (14.0g) |
| PWT04-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 1.66" (42.4mm) | 0.63oz (18.0g) |
| PWT04-G03 |         | 3/8" Female BSPP (G) |              |       | 20mm | 1.64" (41.9mm) | 0.81oz (23.0g) |
| PWT04-M5  |         | M5 x 0.8             |              | Yes   | 10mm | 1.55" (39.4mm) | 0.38oz (11.0g) |
| PWT04-M6  |         | M6 x 1.0             |              | No    |      | 1.55" (39.5mm) |                |
| PWT06-01  | 6mm     | 1/8" Male BSPT (R)   | 10           | Yes   | 12mm | 1.74" (44.4mm) | 0.59oz (17.0g) |
| PWT06-02  |         | 1/4" Male BSPT (R)   |              |       | 14mm | 1.86" (47.4mm) | 0.77oz (22.0g) |
| PWT06-03  |         | 3/8" Male BSPT (R)   |              | No    | 17mm | 1.90" (48.4mm) | 1.12oz (32.0g) |
| PWT06-04  |         | 1/2" Male BSPT (R)   | 5            |       | 21mm | 2.02" (51.4mm) | 1.90oz (54.0g) |
| PWT06-G01 |         | 1/8" Female BSPP (G) | 10           | Yes   | 14mm | 1.62" (41.4mm) | 0.67oz (19.0g) |
| PWT06-G02 |         | 1/4" Female BSPP (G) |              | No    | 17mm | 1.70" (43.4mm) | 0.74oz (21.0g) |
| PWT06-G03 |         | 3/8" Female BSPP (G) |              |       | 20mm | 1.68" (42.9mm) | 0.91oz (26.0g) |
| PWT06-G04 |         | 1/2" Female BSPP (G) | 5            |       | 24mm | 1.74" (44.4mm) | 1.41oz (40.0g) |
| PWT06-M5  |         | M5 x 0.8             | 10           | Yes   | 12mm | 1.59" (40.5mm) | 0.56oz (16.0g) |
| PWT06-M6  |         | M6 x 1.0             |              |       |      |                |                |
| PWT08-01  | 8mm     | 1/8" Male BSPT (R)   | 10           | Yes   | 14mm | 1.86" (47.4mm) | 0.77oz (22.0g) |
| PWT08-02  |         | 1/4" Male BSPT (R)   |              |       |      | 1.98" (50.4mm) | 0.84oz (24.0g) |
| PWT08-03  |         | 3/8" Male BSPT (R)   |              |       | 17mm | 2.02" (51.4mm) | 1.34oz (38.0g) |
| PWT08-04  |         | 1/2" Male BSPT (R)   | 5            |       | 21mm | 2.14" (54.4mm) | 1.76oz (50.0g) |
| PWT08-G01 |         | 1/8" Female BSPP (G) | 10           | No    | 14mm | 1.74" (44.4mm) | 0.70oz (20.0g) |
| PWT08-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 1.82" (46.4mm) | 0.88oz (25.0g) |
| PWT08-G03 |         | 3/8" Female BSPP (G) |              |       | 20mm | 1.80" (45.9mm) | 1.09oz (31.0g) |
| PWT08-G04 |         | 1/2" Female BSPP (G) |              |       | 5    | 24mm           | 1.86" (47.4mm) |
| PWT10-01  | 10mm    | 1/8" Male BSPT (R)   | 5            | Yes   | 17mm | 2.01" (51.3mm) | 1.23oz (35.0g) |
| PWT10-02  |         | 1/4" Male BSPT (R)   |              |       |      | 2.13" (54.3mm) | 1.30oz (37.0g) |
| PWT10-03  |         | 3/8" Male BSPT (R)   |              |       |      | 2.17" (55.3mm) | 1.41oz (40.0g) |
| PWT10-04  |         | 1/2" Male BSPT (R)   |              |       | 21mm | 2.29" (58.3mm) | 2.22oz (63.0g) |
| PWT10-G01 |         | 1/8" Female BSPP (G) |              | No    | 17mm | 1.90" (48.3mm) | 1.16oz (33.0g) |
| PWT10-G02 |         | 1/4" Female BSPP (G) |              |       |      | 1.98" (50.3mm) | 1.12oz (32.0g) |
| PWT10-G03 |         | 3/8" Female BSPP (G) |              |       |      | 20mm           | 1.96" (49.8mm) |
| PWT10-G04 |         | 1/2" Female BSPP (G) |              |       | 24mm | 2.01" (51.3mm) | 1.58oz (45.0g) |
| PWT12-01  | 12mm    | 1/8" Male BSPT (R)   | 5            | No    | 19mm | 2.25" (57.2mm) | 1.90oz (54.0g) |
| PWT12-02  |         | 1/4" Male BSPT (R)   |              | Yes   |      | 2.30" (59.2mm) | 1.83oz (52.0g) |
| PWT12-03  |         | 3/8" Male BSPT (R)   |              |       |      | 2.37" (60.2mm) | 1.86oz (53.0g) |
| PWT12-04  |         | 1/2" Male BSPT (R)   |              | No    | 21mm | 2.48" (63.2mm) | 2.32oz (66.0g) |
| PWT12-G02 |         | 1/4" Female BSPP (G) |              |       | 19mm | 2.17" (55.2mm) | 1.65oz (47.0g) |
| PWT12-G03 |         | 3/8" Female BSPP (G) |              |       | 20mm | 2.15" (54.7mm) | 1.65oz (47.0g) |
| PWT12-G04 |         | 1/2" Female BSPP (G) |              |       | 24mm | 2.21" (56.2mm) | 2.32oz (66.0g) |

# Technifit™ Push-to-Connect Fittings

## Swivel Double Male “Y” – PXT

Swivel Double Male “Y” fittings provide four push-to-connect ports parallel to each other, opposing a single male thread. The male thread swivels and features a hex shape for installation.



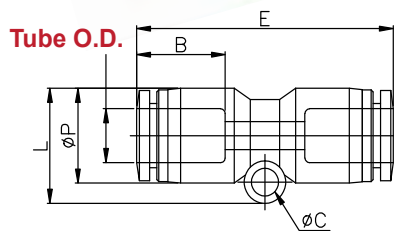
Metric Tube Sizes

| Model     | Tube OD | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|----------------------|--------------|-------|------|----------------|----------------|
| PXT04-01  | 4mm     | 1/8" Male BSPT (R)   | 10           | No    | 10mm | 1.64" (41.7mm) | 0.67oz (19.0g) |
| PXT04-02  |         | 1/4" Male BSPT (R)   |              |       | 14mm | 1.75" (44.7mm) | 0.81oz (23.0g) |
| PXT04-G01 |         | 1/8" Female BSPP (G) |              |       | 14mm | 1.52" (38.7mm) | 0.67oz (19.0g) |
| PXT04-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 1.60" (40.7mm) | 0.81oz (23.0g) |
| PXT06-01  | 6mm     | 1/8" Male BSPT (R)   | 5            | No    | 12mm | 1.69" (43.0mm) | 0.84oz (24.0g) |
| PXT06-02  |         | 1/4" Male BSPT (R)   |              |       | 14mm | 1.81" (46.0mm) | 1.05oz (30.0g) |
| PXT06-G01 |         | 1/8" Female BSPP (G) |              |       | 14mm | 1.60" (40.0mm) | 0.84oz (24.0g) |
| PXT06-G02 |         | 1/4" Female BSPP (G) |              |       | 17mm | 1.65" (42.0mm) | 1.05oz (30.0g) |

## Resin-Series: Union Fittings

### Union Straight – PUC

Union Straight Fittings provide two opposing push-to-connect ports.



Fractional Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PUC5/32 | 5/32"     | 5/32"     | 10           | Yes   | 1.33" (34.0mm) | 0.12oz (3.60g) |
| PUC3/16 | 3/16"     | 3/16"     | 10           | Yes   | 1.40" (35.6mm) | 0.11oz (3.40g) |
| PUC1/4  | 1/4"      | 1/4"      | 10           | Yes   | 1.44" (36.8mm) | 0.22oz (6.40g) |
| PUC5/16 | 5/16"     | 5/16"     | 10           | Yes   | 1.54" (39.3mm) | 0.29oz (8.40g) |
| PUC3/8  | 3/8"      | 3/8"      | 10           | Yes   | 1.67" (42.6mm) | 0.47oz (13.4g) |
| PUC1/2  | 1/2"      | 1/2"      | 5            | Yes   | 1.92" (48.9mm) | 0.67oz (19.0g) |

Metric Tube Sizes

| Model | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------|-----------|-----------|--------------|-------|----------------|----------------|
| PUC04 | 4mm       | 4mm       | 10           | Yes   | 1.33" (33.9mm) | 0.14oz (4.00g) |
| PUC06 | 6mm       | 6mm       | 10           | Yes   | 1.43" (36.4mm) | 0.24oz (7.00g) |
| PUC08 | 8mm       | 8mm       | 10           | Yes   | 1.54" (39.2mm) | 0.31oz (9.00g) |
| PUC10 | 10mm      | 10mm      | 10           | Yes   | 1.71" (43.5mm) | 0.45oz (13.0g) |
| PUC12 | 12mm      | 12mm      | 5            | Yes   | 1.90" (48.3mm) | 0.70oz (20.0g) |
| PUC14 | 14mm      | 14mm      | 5            | Yes   | 1.96" (50.0mm) | 0.74oz (21.0g) |
| PUC16 | 16mm      | 16mm      | 5            | Yes   | 2.03" (51.6mm) | 1.02oz (29.0g) |

# Technifit™ Push-to-Connect Fittings

## Union Straight Reducer– PG

Union Straight Reducer Fittings provide two opposing push-to-connect ports of differing sizes.

### Fractional Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| PG3/16-5/32 | 3/16"     | 5/32"     | 10           | Yes   | 1.37" (34.8mm) | 0.19oz (5.50g) |
| PG1/4-5/32  | 1/4"      | 5/32"     | 10           | Yes   | 1.39" (35.4mm) | 0.19oz (5.40g) |
| PG1/4-3/16  |           | 3/16"     |              |       | 1.42" (36.2mm) |                |
| PG5/16-5/32 | 5/16"     | 5/32"     | 10           | No    | 1.50" (38.1mm) | 0.19oz (5.50g) |
| PG5/16-1/4  |           | 1/4"      |              | Yes   |                | 0.26oz (7.40g) |
| PG3/8-1/4   | 3/8"      | 1/4"      | 10           | Yes   | 1.56" (39.7mm) | 0.27oz (7.90g) |
| PG3/8-5/16  |           | 5/16"     |              |       | 1.61" (41.0mm) | 0.38oz (10.9g) |
| PG1/2-3/8   | 1/2"      | 3/8"      | 5            | Yes   | 1.78" (45.3mm) | 0.57oz (16.2g) |

### Metric Tube Sizes

| Model  | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------|-----------|-----------|--------------|-------|----------------|----------------|
| PG0604 | 6mm       | 4mm       | 10           | Yes   | 1.37" (35.0mm) | 0.21oz (6.00g) |
| PG0804 | 8mm       | 4mm       | 10           | Yes   | 1.50" (38.1mm) | 0.24oz (7.00g) |
| PG0806 |           | 6mm       |              |       | 1.48" (37.6mm) | 0.28oz (8.00g) |
| PG1006 | 10mm      | 6mm       | 10           | Yes   | 1.57" (39.9mm) | 0.23oz (9.00g) |
| PG1008 |           | 8mm       |              |       |                | 0.35oz (10.0g) |
| PG1208 | 12mm      | 8mm       | 10           | Yes   | 1.79" (45.5mm) | 0.45oz (13.0g) |
| PG1210 |           | 10mm      |              |       | 1.72" (43.9mm) | 0.49oz (14.0g) |
| PG1412 | 14mm      | 12mm      | 5            | No    | 1.96" (49.4mm) | 0.74oz (21.0g) |
| PG1612 | 16mm      | 12mm      | 5            | Yes   | 1.96" (49.4mm) | 0.88oz (25.0g) |



## Union Elbow – PUL

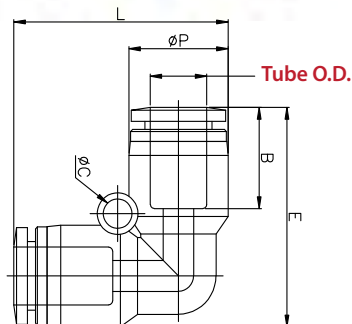
Union Elbow Fittings provide two push-to-connect ports at a 90° angle.

### Fractional Tube Sizes

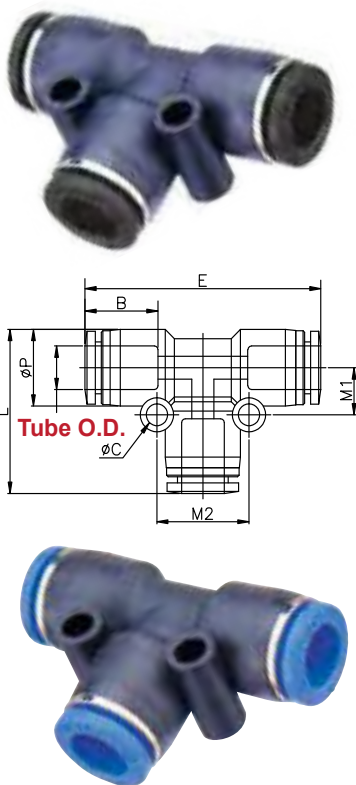
| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PUL5/32 | 5/32"     | 5/32"     | 10           | Yes   | 0.84" (24.0mm) | 0.16oz (4.60g) |
| PUL3/16 | 3/16"     | 3/16"     | 10           | Yes   | 0.89" (25.5mm) | 0.15oz (4.40g) |
| PUL1/4  | 1/4"      | 1/4"      | 10           | Yes   | 0.98" (27.8mm) | 0.26oz (7.40g) |
| PUL5/16 | 5/16"     | 5/16"     | 10           | Yes   | 1.09" (31.1mm) | 0.33oz (9.40g) |
| PUL3/8  | 3/8"      | 3/8"      | 10           | Yes   | 1.21" (34.5mm) | 0.50oz (14.4g) |
| PUL1/2  | 1/2"      | 1/2"      | 5            | Yes   | 1.43" (40.8mm) | 0.77oz (22.0g) |

### Metric Tube Sizes

| Model | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------|-----------|-----------|--------------|-------|----------------|----------------|
| PUL04 | 4mm       | 4mm       | 10           | Yes   | 0.94" (24.0mm) | 0.17oz (5.00g) |
| PUL06 | 6mm       | 6mm       | 10           | Yes   | 1.08" (27.5mm) | 0.21oz (6.00g) |
| PUL08 | 8mm       | 8mm       | 10           | Yes   | 1.22" (31.0mm) | 0.31oz (9.00g) |
| PUL10 | 10mm      | 10mm      | 10           | Yes   | 1.34" (34.1mm) | 0.45oz (13.0g) |
| PUL12 | 12mm      | 12mm      | 5            | Yes   | 1.57" (40.1mm) | 0.77oz (22.0g) |
| PUL14 | 14mm      | 14mm      | 5            | Yes   | 1.70" (43.4mm) | 0.84oz (24.0g) |
| PUL16 | 16mm      | 16mm      | 5            | Yes   | 1.85" (47.0mm) | 1.26oz (36.0g) |



# Technifit™ Push-to-Connect Fittings



## Union Tee – PUT

Union Tee Fittings provide three push-to-connect ports.

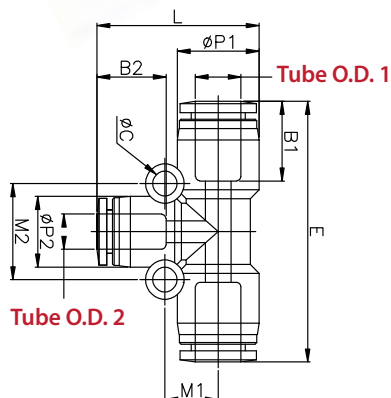
### Fractional Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PUT5/32 | 5/32"     | 5/32"     | 10           | Yes   | 1.41" (36.0mm) | 0.24oz (7.00g) |
| PUT3/16 | 3/16"     | 3/16"     | 10           | Yes   | 1.55" (39.6mm) | 0.21oz (6.10g) |
| PUT1/4  | 1/4"      | 1/4"      | 10           | Yes   | 1.67" (42.6mm) | 0.35oz (10.1g) |
| PUT5/16 | 5/16"     | 5/16"     | 10           | Yes   | 1.86" (47.4mm) | 0.45oz (13.0g) |
| PUT3/8  | 3/8"      | 3/8"      | 5            | Yes   | 2.03" (51.6mm) | 0.69oz (19.6g) |
| PUT1/2  | 1/2"      | 1/2"      | 5            | Yes   | 2.38" (60.6mm) | 1.09oz (31.0g) |

### Metric Tube Sizes

| Model | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------|-----------|-----------|--------------|-------|----------------|----------------|
| PUT04 | 4mm       | 4mm       | 10           | Yes   | 0.83" (21.2mm) | 0.17oz (5.00g) |
| PUT06 | 6mm       | 6mm       | 10           | Yes   | 0.98" (25.0mm) | 0.21oz (6.00g) |
| PUT08 | 8mm       | 8mm       | 10           | Yes   | 1.85" (47.2mm) | 0.31oz (9.00g) |
| PUT10 | 10mm      | 10mm      | 5            | Yes   | 2.00" (50.8mm) | 0.45oz (13.0g) |
| PUT12 | 12mm      | 12mm      | 5            | Yes   | 2.35" (59.8mm) | 0.77oz (22.0g) |
| PUT14 | 14mm      | 14mm      | 5            | Yes   | 2.51" (63.8mm) | 0.84oz (24.0g) |
| PUT16 | 16mm      | 16mm      | 3            | Yes   | 2.70" (68.8mm) | 1.26oz (36.0g) |

# Technifit™ Push-to-Connect Fittings



## Union Reducer Tee – PGT

Union Reducer Tees provide same-size opposing push-to-connect ports, with a single reduced size port located 90° apart.

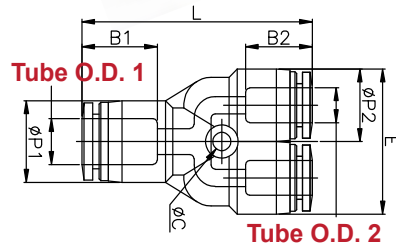
### Fractional Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| PGT5/32-1/4 | 5/32"     | 1/4"      | 5            | No    | 1.44" (36.6mm) | 0.23oz (6.80g) |
| PGT1/4-5/32 | 1/4"      | 5/32"     | 10           | Yes   | 1.59" (40.6mm) | 0.28oz (8.20g) |
| PGT1/4-5/16 |           | 5/16"     | 5            | No    | 0.88" (22.6mm) | 0.35oz (10.1g) |
| PGT5/16-1/4 | 5/16"     | 1/4"      | 10           | No    | 1.78" (45.4mm) | 0.39oz (11.1g) |
| PGT5/16-3/8 |           | 3/8"      | 5            |       | 1.79" (45.6mm) | 0.46oz (13.3g) |
| PGT3/8-1/4  | 3/8"      | 1/4"      | 10           | Yes   | 1.91" (48.6mm) | 0.60oz (17.1g) |
| PGT3/8-5/16 |           | 5/16"     |              | No    | 1.94" (49.4mm) | 0.63oz (18.1g) |
| PGT3/8-1/2  |           | 1/2"      | 5            | No    | 1.97" (50.2mm) | 0.72oz (20.6g) |
| PGT1/2-3/8  | 1/2"      | 3/8"      | 5            | Yes   | 2.30" (58.6mm) | 0.98oz (25.2g) |

### Metric Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PGT0406 | 4mm       | 6mm       | 5            | Yes   | 1.48" (37.6mm) | 0.23oz (6.70g) |
| PGT0604 | 6mm       | 4mm       | 5            | Yes   | 1.63" (41.6mm) | 0.31oz (9.00g) |
| PGT0608 |           | 8mm       |              | No    | 1.70" (43.2mm) | 0.33oz (9.50g) |
| PGT0804 | 8mm       | 4mm       | 10           | No    | 1.70" (43.2mm) | 0.38oz (11.0g) |
| PGT0806 |           | 6mm       |              | Yes   | 1.77" (45.2mm) | 0.42oz (12.0g) |
| PGT0810 |           | 10mm      |              | No    | 1.79" (45.6mm) | 0.46oz (13.3g) |
| PGT1006 | 10mm      | 6mm       | 10           | Yes   | 1.91" (48.6mm) | 0.56oz (16.0g) |
| PGT1008 |           | 8mm       |              |       | 1.95" (49.6mm) |                |
| PGT1012 |           | 12mm      | 5            |       | 1.99" (50.6mm) | 0.70oz (20.1g) |
| PGT1208 | 12mm      | 8mm       | 5            | Yes   | 2.21" (56.2mm) | 0.81oz (23.0g) |
| PGT1210 |           | 10mm      |              |       |                | 0.77oz (25.0g) |
| PGT1610 | 16mm      | 10mm      | 3            | Yes   | 2.42" (61.6mm) | 1.44oz (41.0g) |
| PGT1612 |           | 12mm      |              |       | 2.54" (64.6mm) | 1.58oz (45.0g) |

# Technifit™ Push-to-Connect Fittings



## Union “Y” – PY

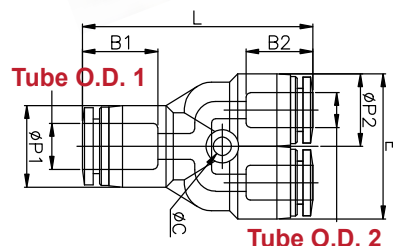
Union “Y” fittings provide two side by side push-to-connect ports, with an opposing push to connect port.

### Fractional Tube Sizes

| Model  | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------|-----------|-----------|--------------|-------|----------------|----------------|
| PY5/32 | 5/32"     | 5/32"     | 10           | Yes   | 1.41" (36.0mm) | 0.26oz (7.40g) |
| PY3/16 | 3/16"     | 3/16"     | 10           | No    | 1.46" (37.2mm) | 0.25oz (7.10g) |
| PY1/4  | 1/4"      | 1/4"      | 10           | Yes   | 1.56" (39.8mm) | 0.32oz (9.10g) |
| PY5/16 | 5/16"     | 5/16"     | 10           | Yes   | 1.70" (43.3mm) | 0.46oz (13.1g) |
| PY3/8  | 3/8"      | 3/8"      | 5            | Yes   | 1.85" (47.1mm) | 0.67oz (19.6g) |
| PY1/2  | 1/2"      | 1/2"      | 5            | Yes   | 2.14" (54.5mm) | 1.02oz (29.0g) |

### Metric Tube Sizes

| Model | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------|-----------|-----------|--------------|-------|----------------|----------------|
| PY04  | 4mm       | 4mm       | 10           | Yes   | 1.41" (35.9mm) | 0.24oz (7.00g) |
| PY06  | 6mm       | 6mm       | 10           | Yes   | 1.54" (39.2mm) | 0.35oz (10.0g) |
| PY08  | 8mm       | 8mm       | 10           | Yes   | 1.70" (43.2mm) | 0.49oz (14.0g) |
| PY10  | 10mm      | 10mm      | 5            | Yes   | 1.85" (47.2mm) | 0.70oz (20.0g) |
| PY12  | 12mm      | 12mm      | 5            | Yes   | 2.12" (54.1mm) | 1.09oz (31.0g) |
| PY14  | 14mm      | 14mm      | 5            | No    | 2.43" (61.9mm) | 1.61oz (45.9g) |



## Union Reducer “Y” – PW

Union Reducer “Y” fittings provide two side by side push-to-connect ports, with an opposing larger push to connect port.

### Fractional Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| PW3/16-5/32 | 3/16"     | 5/32"     | 10           | No    | 1.44" (36.8mm) | 0.29oz (8.30g) |
| PW1/4-5/32  | 1/4"      | 5/32"     | 10           | Yes   | 1.49" (37.9mm) | 0.29oz (8.30g) |
| PW1/4-3/16  |           | 3/16"     |              | No    | 1.52" (38.7mm) | 0.28oz (8.10g) |
| PW5/16-5/32 | 5/16"     | 5/32"     | 10           | No    | 1.54" (39.2mm) | 0.32oz (9.30g) |
| PW5/16-1/4  |           | 1/4"      |              |       | 1.65" (42.1mm) | 0.42oz (12.1g) |
| PW3/8-1/4   | 3/8"      | 1/4"      | 10           | Yes   | 1.70" (43.2mm) | 0.51oz (14.6g) |
| PW3/8-5/16  |           | 5/16"     |              | No    | 1.75" (44.5mm) | 0.58oz (16.6g) |
| PW1/2-5/16  | 1/2"      | 5/16"     | 5            | No    | 1.87" (47.6mm) | 0.64oz (18.4g) |
| PW1/2-3/8   |           | 3/8"      |              | Yes   | 2.00" (50.8mm) | 0.92oz (26.2g) |

### Metric Tube Sizes

| Model  | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------|-----------|-----------|--------------|-------|----------------|----------------|
| PW0604 | 6mm       | 4mm       | 10           | Yes   | 1.48" (37.6mm) | 0.24oz (7.00g) |
| PW0804 | 8mm       | 4mm       | 10           | No    | 1.53" (39.1mm) | 0.31oz (9.00g) |
| PW0806 |           | 6mm       |              | Yes   | 1.64" (41.7mm) | 0.38oz (11.0g) |
| PW1006 | 10mm      | 6mm       | 10           | No    | 1.69" (43.0mm) | 0.45oz (13.0g) |
| PW1008 |           | 8mm       |              | Yes   | 1.75" (44.5mm) | 0.52oz (15.0g) |
| PW1208 | 12mm      | 8mm       | 5            | No    | 1.86" (47.4mm) | 0.70oz (20.0g) |
| PW1210 |           | 10mm      |              | Yes   | 1.99" (50.7mm) | 0.84oz (24.0g) |
| PW1612 | 16mm      | 12mm      | 5            | No    | 2.24" (57.0mm) | 1.18oz (33.6g) |

# Technifit™ Push-to-Connect Fittings

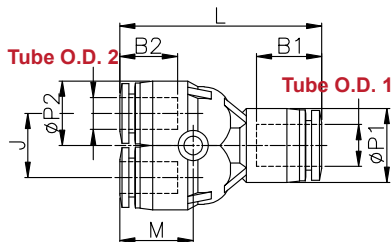


## Union Reducer Double “Y” – PXG

Union Reducer “Y” fittings provide two side by side push-to-connect ports, with an opposing larger push to connect port.

**Metric Tube Sizes**

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PXG0604 | 6mm       | 4mm       | 10           | Yes   | 1.40" (35.7mm) | 0.45oz (13.0g) |
| PXG0806 | 8mm       | 6mm       | 5            | Yes   | 1.57" (39.9mm) | 0.63oz (18.0g) |

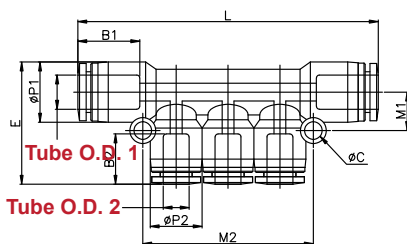


## Union Reducer Triple Branch – PKG

Union Reducer Triple Branch Fittings are a great way to branch three smaller tubes off of a main line. Equipped with an inlet and outlet along with three smaller push-to-connect ports, these fittings can replace three tee's.

**Fractional Tube Sizes**

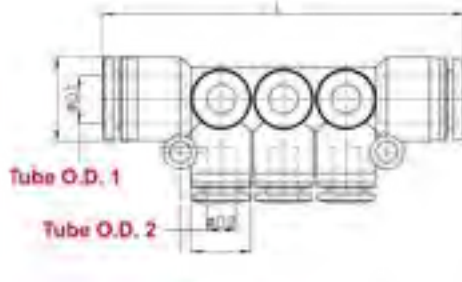
| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|
| PKG3/16-5/32 | 3/16"     | 5/32"     | 5            | No    | 2.33" (60.4mm) | 0.85oz (24.1g) |
| PKG1/4-5/32  | 1/4"      | 5/32"     |              | Yes   | 2.42" (61.6mm) | 0.85oz (24.1g) |
| PKG5/16-5/32 | 5/16"     | 5/32"     | 5            | No    | 2.57" (65.6mm) | 1.73oz (49.1g) |
| PKG5/16-3/16 |           | 3/16"     |              |       | 2.67" (67.9mm) | 1.72oz (48.8g) |
| PKG5/16-1/4  |           | 1/4"      |              |       | 2.83" (71.9mm) |                |
| PKG3/8-1/4   | 3/8"      | 1/4"      | 5            | Yes   | 2.91" (74.2mm) | 1.88oz (53.3g) |
| PKG3/8-5/16  |           | 5/16"     |              | No    | 3.29" (83.6mm) |                |



**Metric Tube Sizes**

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PKG0604 | 6mm       | 4mm       | 5            | Yes   | 2.48" (63.1mm) | 0.49oz (14.0g) |
| PKG0804 | 8mm       | 4mm       | 5            | No    | 2.57" (65.5mm) | 0.56oz (16.0g) |
| PKG0806 |           | 6mm       |              | Yes   | 2.81" (71.5mm) | 0.67oz (19.0g) |
| PKG1006 | 10mm      | 6mm       | 5            | No    | 3.08" (78.4mm) | 0.88oz (25.0g) |
| PKG1008 |           | 8mm       |              | Yes   | 3.29" (83.7mm) | 1.02oz (29.0g) |

# Technifit™ Push-to-Connect Fittings

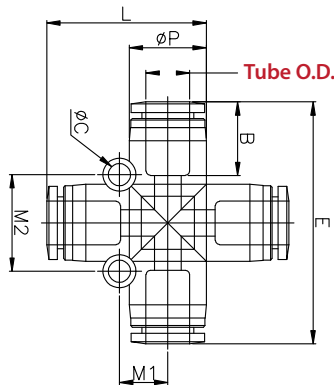


## Union Six Port Branch – PMG

Union Six Port Branch Fittings are a great way to branch six smaller tubes off of a main line. Equipped with an inlet and outlet along with six smaller push-to-connect ports, these fittings can replace six tees.

### Metric Tube Sizes

| Model   | Tube OD | Thread | Package Qty. | Stock | Length         | Weight         |
|---------|---------|--------|--------------|-------|----------------|----------------|
| PMG0804 | 8mm     | 4mm    | 5            | No    | 2.61" (66.4mm) | 0.66oz (18.9g) |
| PMG1006 | 10mm    | 6mm    | 3            | No    | 2.95" (75.1mm) | 0.99oz (28.2g) |
| PMG1008 |         | 8mm    |              |       | 3.20" (81.4mm) | 1.23oz (35.0g) |
| PMG1208 | 12mm    | 8mm    | 2            | No    | 3.44" (87.4mm) | 1.43oz (40.7g) |



## Union Cross – PZA

Union Cross Fittings provide four opposing push-to-connect ports.

### Fractional Tube Sizes

| Model   | Tube OD | Package Qty. | Stock | Length         | Weight         |
|---------|---------|--------------|-------|----------------|----------------|
| PZA5/32 | 5/32"   | 10           | Yes   | 1.40" (35.6mm) | 0.31oz (9.00g) |
| PZA3/16 | 3/16"   | 10           | No    | 1.55" (39.6mm) | 0.27oz (7.80g) |
| PZA1/4  | 1/4"    | 10           | Yes   | 1.67" (42.6mm) | 0.38oz (10.8g) |
| PZA5/16 | 5/16"   | 5            | Yes   | 1.76" (44.8mm) | 0.63oz (18.0g) |
| PZA3/8  | 3/8"    | 5            | Yes   | 1.90" (48.4mm) | 0.94oz (26.8g) |
| PZA1/2  | 1/2"    | 5            | Yes   | 2.38" (60.5mm) | 1.30oz (37.0g) |

### Metric Tube Sizes

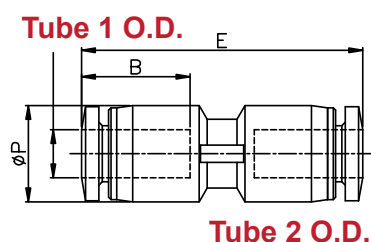
| Model | Tube OD | Package Qty. | Stock | Length         | Weight         |
|-------|---------|--------------|-------|----------------|----------------|
| PZA04 | 4mm     | 10           | Yes   | 1.39" (35.5mm) | 0.31oz (9.00g) |
| PZA06 | 6mm     | 10           | Yes   | 1.62" (41.4mm) | 0.42oz (12.0g) |
| PZA08 | 8mm     | 5            | Yes   | 1.75" (44.7mm) | 0.63oz (18.0g) |
| PZA10 | 10mm    | 5            | Yes   | 1.90" (48.5mm) | 0.84oz (24.0g) |
| PZA12 | 12mm    | 5            | Yes   | 2.17" (55.3mm) | 1.41oz (40.0g) |



# Technifit™ Push-to-Connect Fittings

## Compact Union Straight – PUC-C

Compact Union Straight Fittings provide two opposing push-to-connect ports in a small package



### Fractional Tube Sizes

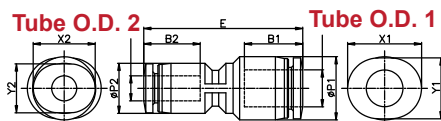
| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|----------|-----------|-----------|--------------|-------|----------------|----------------|
| PUC1/8C  | 1/8"      | 1/8"      | 10           | Yes   | 0.92" (23.6mm) | 0.03oz (1.00g) |
| PUC5/32C | 5/32"     | 5/32"     | 10           | Yes   | 0.96" (24.5mm) | 0.07oz (2.00g) |
| PUC1/4C  | 1/4"      | 1/4"      | 10           | Yes   | 1.12" (28.6mm) | 0.10oz (3.00g) |

### Metric Tube Sizes

| Model  | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------|-----------|-----------|--------------|-------|----------------|----------------|
| PUC04C | 4mm       | 4mm       | 10           | No    | 0.96" (24.5mm) | 0.10oz (3.00g) |
| PUC06C | 6mm       | 6mm       | 10           | Yes   | 1.04" (26.6mm) | 0.10oz (3.00g) |

## Compact Union Reducer – PG-C

Compact Union Straight Reducer Fittings provide two opposing push-to-connect ports of differing sizes in a small package.



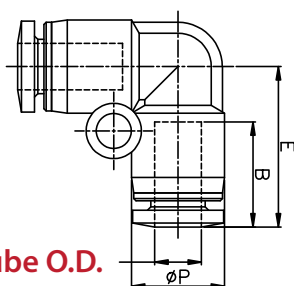
### Fractional Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| PG5/32-1/8C | 5/32"     | 1/8"      | 10           | Yes   | 0.94" (24.1mm) | 0.07oz (2.00g) |
| PG1/4-1/8C  | 1/4"      | 1/8"      | 10           | Yes   | 1.05" (26.8mm) | 0.10oz (3.00g) |
| PG1/4-5/32C |           | 5/32"     |              | No    | 1.10" (28.1mm) |                |

### Metric Tube Sizes

| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|----------|-----------|-----------|--------------|-------|----------------|----------------|
| PG04-03C | 4mm       | 3mm       | 10           | No    | 0.94" (24.1mm) | 0.10oz (3.00g) |
| PG06-03C | 6mm       | 3mm       | 10           | Yes   | 1.02" (26.1mm) | 0.10oz (3.00g) |
| PG06-04C |           | 4mm       |              | No    | 1.04" (26.6mm) |                |

# Technifit™ Push-to-Connect Fittings



Tube O.D.

## Compact Union Elbow – PUL-C

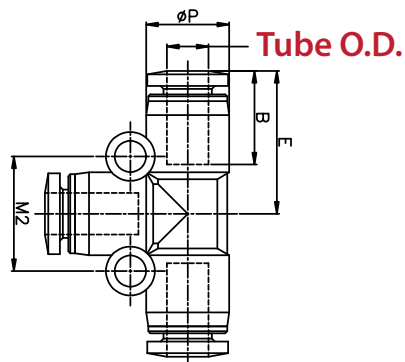
Compact Union Elbow Fittings provide two push-to-connect ports at a 90° angle in a small package.

### Fractional Tube Sizes

| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|----------|-----------|-----------|--------------|-------|----------------|----------------|
| PUL1/8C  | 1/8"      | 1/8"      | 10           | Yes   | 0.53" (13.5mm) | 0.07oz (2.00g) |
| PUL5/32C | 5/32"     | 5/32"     | 10           | No    | 0.57" (14.5mm) | 0.10oz (3.00g) |
| PUL1/4C  | 1/4"      | 1/4"      | 10           | Yes   | 0.69" (17.6mm) | 0.17oz (5.00g) |

### Metric Tube Sizes

| Model  | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------|-----------|-----------|--------------|-------|----------------|----------------|
| PUL04C | 4mm       | 4mm       | 10           | No    | 0.57" (14.5mm) | 0.10oz (3.00g) |
| PUL06C | 6mm       | 6mm       | 10           | No    | 0.64" (16.5mm) | 0.10oz (3.00g) |



Tube O.D.

## Compact Union Tee – PUT-C

Compact Union Tee Fittings provide three push-to-connect ports in a small package.

### Fractional Tube Sizes

| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|----------|-----------|-----------|--------------|-------|----------------|----------------|
| PUT1/8C  | 1/8"      | 1/8"      | 10           | Yes   | 0.53" (13.5mm) | 0.10oz (3.00g) |
| PUT5/32C | 5/32"     | 5/32"     | 10           | Yes   | 0.57" (14.5mm) | 0.14oz (4.00g) |
| PUT1/4C  | 1/4"      | 1/4"      | 10           | No    | 0.69" (17.6mm) | 0.21oz (6.00g) |

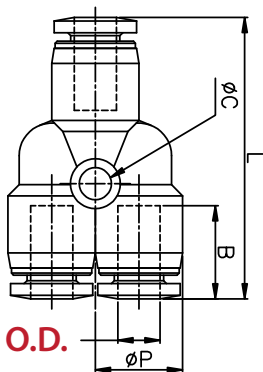
### Metric Tube Sizes

| Model  | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------|-----------|-----------|--------------|-------|----------------|----------------|
| PUT04C | 4mm       | 4mm       | 10           | No    | 0.57" (14.5mm) | 0.10oz (3.00g) |
| PUT06C | 6mm       | 6mm       | 10           | No    | 0.64" (16.5mm) | 0.21oz (4.00g) |

# Technifit™ Push-to-Connect Fittings

## Compact Union “Y” – PY-C

Compact Union “Y” fittings provide two side by side push-to-connect ports, with an opposing push to connect port.



Tube O.D.

### Fractional Tube Sizes

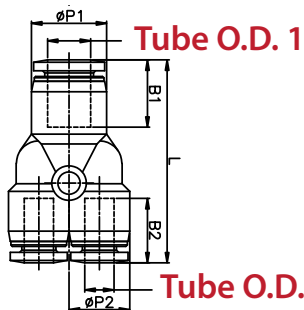
| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PY1/8C  | 1/8"      | 1/8"      | 10           | Yes   | 1.05" (26.8mm) | 0.14oz (4.00g) |
| PY5/32C | 5/32"     | 5/32"     | 10           | Yes   | 1.10" (28.0mm) | 0.11oz (3.00g) |
| PY1/4C  | 1/4"      | 1/4"      | 10           | Yes   | 1.28" (32.6mm) | 0.17oz (5.00g) |

### Metric Tube Sizes

| Model | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------|-----------|-----------|--------------|-------|----------------|----------------|
| PY04C | 4mm       | 4mm       | 10           | No    | 1.10" (28.0mm) | 0.17oz (5.00g) |
| PY06C | 6mm       | 6mm       | 10           | No    | 1.20" (30.6mm) | 0.21oz (6.00g) |

## Compact Reducer Union “Y” – PW-C

Compact Union Reducer “Y” fittings provide two side by side push-to-connect ports, with an opposing larger push to connect port in a small package.



Tube O.D. 1

Tube O.D. 2

### Fractional Tube Sizes

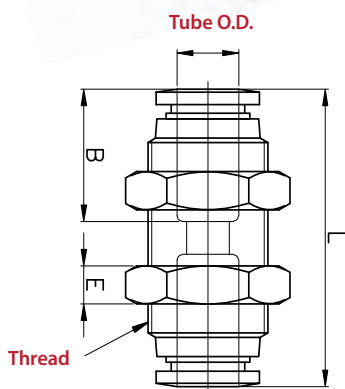
| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| PW5/32-1/8C | 5/32"     | 1/8"      | 10           | Yes   | 1.08" (27.5mm) | 0.14oz (4.00g) |
| PW1/4-1/8C  | 1/4"      | 1/8"      | 10           | Yes   | 1.15" (29.3mm) | 0.17oz (5.00g) |
| PW1/4-5/32C |           | 5/32"     |              |       | 1.17" (29.8mm) | 0.17oz (5.00g) |

### Metric Tube Sizes

| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|----------|-----------|-----------|--------------|-------|----------------|----------------|
| PW04-03C | 4mm       | 3mm       | 10           | Yes   | 1.08" (27.5mm) | 0.11oz (3.00g) |
| PW06-03C | 6mm       | 3mm       | 10           | Yes   | 1.12" (28.6mm) | 0.14oz (4.00g) |
| PW06-04C |           | 4mm       |              | No    | 1.14" (29.1mm) | 0.17oz (5.00g) |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Bulkhead Fittings



### Bulkhead Union – PMM

Bulkhead Union Fittings allow for passage through a partition or panel by connecting two tubes together.

#### Fractional Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|------|----------------|----------------|----------------|
| PMM5/32 | 5/32"     | 5/32"     | 10           | No    | 14mm | 0.40" (10.2mm) | 1.40" (35.6mm) | 0.69oz (19.6g) |
| PMM3/16 | 3/16"     | 3/16"     | 10           | No    | 17mm | 0.47" (12.0mm) | 1.45" (37.0mm) | 0.69oz (19.6g) |
| PMM1/4  | 1/4"      | 1/4"      | 10           | No    | 17mm | 0.47" (12.0mm) | 1.53" (39.0mm) | 1.04oz (29.6g) |
| PMM5/16 | 5/16"     | 5/16"     | 5            | No    | 19mm | 0.55" (14.0mm) | 1.66" (42.3mm) | 1.28oz (36.4g) |
| PMM3/8  | 3/8"      | 3/8"      | 5            | No    | 24mm | 0.68" (17.5mm) | 1.70" (43.2mm) | 2.10oz (59.8g) |
| PMM1/2  | 1/2"      | 1/2"      | 5            | No    | 26mm | 0.76" (19.5mm) | 1.94" (49.5mm) | 2.93oz (83.2g) |

#### Metric Tube Sizes

| Model | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         |
|-------|-----------|-----------|--------------|-------|------|----------------|----------------|----------------|
| PMM04 | 4mm       | 4mm       | 10           | No    | 14mm | 0.40" (10.2mm) | 1.39" (35.5mm) | 0.70oz (20.0g) |
| PMM06 | 6mm       | 6mm       | 10           | No    | 17mm | 0.47" (12.0mm) | 1.56" (39.8mm) | 1.02oz (29.0g) |
| PMM08 | 8mm       | 8mm       | 5            | No    | 19mm | 0.55" (14.0mm) | 1.66" (42.2mm) | 1.37oz (39.0g) |
| PMM10 | 10mm      | 10mm      | 5            | No    | 24mm | 0.68" (17.5mm) | 1.77" (45.1mm) | 2.32oz (66.0g) |
| PMM12 | 12mm      | 12mm      | 5            | No    | 26mm | 0.76" (19.5mm) | 1.97" (50.2mm) | 2.92oz (83.0g) |
| PMM16 | 16mm      | 16mm      | 3            | No    | 32mm | 0.94" (24.0mm) | 2.09" (53.1mm) | 4.76oz (135g)  |

# Technifit™ Push-to-Connect Fittings

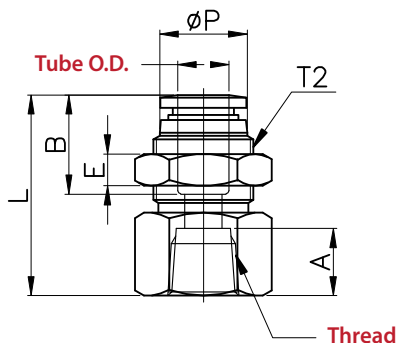
## Bulkhead Female Union – PMF

Bulkhead Female Union Fittings allow for passage through a partition or panel. Each fitting contains a female thread opposed to a push-to-connect port.



### Fractional Tube Sizes

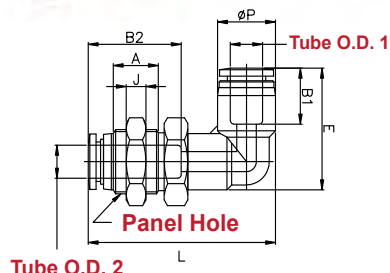
| Model      | Tube OD | Thread          | Package Qty. | Stock | Hex    | Panel Hole     | Length         | Weight         |
|------------|---------|-----------------|--------------|-------|--------|----------------|----------------|----------------|
| PMF5/32-N1 | 5/32"   | 1/8" Female NPT | 10           | Yes   | 9/16"  | 0.41" (10.5mm) | 1.06" (27.1mm) | 0.69oz (19.8g) |
| PMF3/16-N1 | 3/16"   | 1/8" Female NPT | 10           | No    | 11/16" | 0.41" (10.5mm) | 1.19" (30.3mm) | 0.69oz (19.8g) |
| PMF3/16-N2 |         | 1/4" Female NPT |              |       |        |                |                | 0.87oz (24.8g) |
| PMF1/4-N1  | 1/4"    | 1/8" Female NPT | 10           | Yes   | 11/16" | 0.49" (12.5mm) | 1.22" (31.0mm) | 1.19oz (33.8g) |
| PMF1/4-N2  |         | 1/4" Female NPT |              |       |        |                |                | 0.98oz (27.8g) |
| PMF5/16-N1 | 5/16"   | 1/8" Female NPT | 5            | No    | 3/4"   | 0.59" (15.0mm) | 1.24" (31.5mm) | 1.54oz (43.7g) |
| PMF5/16-N2 |         | 1/4" Female NPT | 5            | No    | 3/4"   |                | 1.36oz (38.7g) |                |
| PMF5/16-N3 |         | 3/8" Female NPT | 10           | Yes   | 7/8"   |                | 1.27" (32.5mm) | 1.61oz (45.7g) |
| PMF3/8-N2  | 3/8"    | 1/4" Female NPT | 5            | Yes   | 15/16" | 0.74" (19.0mm) | 1.40" (35.6mm) | 2.51oz (71.4g) |
| PMF3/8-N3  |         | 3/8" Female NPT |              |       |        |                | 2.27oz (64.4g) |                |
| PMF1/2-N2  | 1/2"    | 1/4" Female NPT | 5            | Yes   | 15/16" | 0.82" (21.0mm) | 1.57" (39.9mm) | 2.75oz (78.1g) |
| PMF1/2-N3  |         | 3/8" Female NPT |              |       |        |                | 3.10oz (88.1g) |                |
| PMF1/2-N4  |         | 1/2" Female NPT |              |       |        |                | 2.40oz (68.1g) |                |



### Metric Tube Sizes

| Model    | Tube OD | Thread               | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         |
|----------|---------|----------------------|--------------|-------|------|----------------|----------------|----------------|
| PMF04-01 | 4mm     | 1/8" Female BSPT (R) | 10           | Yes   | 14mm | 0.41" (10.5mm) | 1.06" (27.1mm) | 0.70oz (20.0g) |
| PMF04-02 |         | 1/4" Female BSPT (R) |              |       | 17mm |                | 1.14" (29.1mm) | 0.88oz (25.0g) |
| PMF04-03 |         | 3/8" Female BSPT (R) |              |       | 22mm |                | 1.18" (30.1mm) | 1.34oz (38.0g) |
| PMF06-01 | 6mm     | 1/8" Female BSPT (R) | 10           | Yes   | 17mm | 0.49" (12.5mm) | 1.18" (30.2mm) | 1.19oz (34.0g) |
| PMF06-02 |         | 1/4" Female BSPT (R) |              |       | 22mm |                | 0.98oz (28.0g) |                |
| PMF06-03 |         | 3/8" Female BSPT (R) |              |       | 22mm |                | 1.22" (31.2mm) | 1.51oz (43.0g) |
| PMF08-01 | 8mm     | 1/8" Female BSPT (R) | 10           | Yes   | 19mm | 0.59" (15.0mm) | 1.23" (31.4mm) | 1.58oz (45.0g) |
| PMF08-02 |         | 1/4" Female BSPT (R) |              |       | 22mm |                | 1.41oz (40.0g) |                |
| PMF08-03 |         | 3/8" Female BSPT (R) |              |       | 24mm |                | 1.62oz (46.0g) |                |
| PMF08-04 |         | 1/2" Female BSPT (R) | 5            |       | 24mm |                | 1.35" (34.4mm) | 1.76oz (50.0g) |
| PMF10-01 | 10mm    | 1/8" Female BSPT (R) | 10           | Yes   | 24mm | 0.74" (19.0mm) | 1.32" (33.6mm) | 2.71oz (77.0g) |
| PMF10-02 |         | 1/4" Female BSPT (R) |              |       |      |                | 2.50oz (71.0g) |                |
| PMF10-03 |         | 3/8" Female BSPT (R) |              |       |      |                | 2.32oz (66.0g) |                |
| PMF10-04 |         | 1/2" Female BSPT (R) | 5            |       |      |                | 1.40" (35.6mm) | 2.04oz (58.0g) |
| PMF12-02 | 12mm    | 1/8" Female BSPT (R) | 5            | Yes   | 24mm | 0.82" (21.0mm) | 1.50" (38.3mm) | 2.99oz (85.0g) |
| PMF12-03 |         | 3/8" Female BSPT (R) |              |       |      |                | 2.68oz (76.0g) |                |
| PMF12-04 |         | 1/2" Female BSPT (R) |              |       |      |                | 1.58" (40.3mm) | 2.46oz (70.0g) |

# Technifit™ Push-to-Connect Fittings



## Bulkhead Union Elbow – PLM

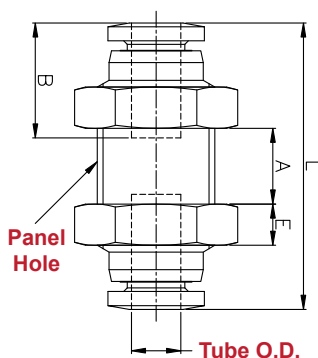
Bulkhead Union Elbows allow for passage through a partition or panel. These fittings are configured with two push-to-connect ports set 90° apart.

### Fractional Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex  | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|------|----------------|----------------|
| PLM5/32 | 5/32"     | 5/32"     | 10           | No    | 14mm | 1.48" (37.7mm) | 0.44oz (12.6g) |
| PLM3/16 | 3/16"     | 3/16"     | 10           | No    | 17mm | 1.57" (40.0mm) | 0.47oz (13.5g) |
| PLM1/4  | 1/4"      | 1/4"      | 10           | No    | 17mm | 1.78" (45.4mm) | 0.54oz (15.5g) |
| PLM5/16 | 5/16"     | 5/16"     | 10           | No    | 19mm | 1.88" (47.9mm) | 0.71oz (20.4g) |
| PLM3/8  | 3/8"      | 3/8"      | 5            | No    | 24mm | 2.00" (50.9mm) | 1.00oz (28.6g) |
| PLM1/2  | 1/2"      | 1/2"      | 5            | No    | 26mm | 2.33" (59.4mm) | 1.66oz (47.1g) |

### Metric Tube Sizes

| Model | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex  | Length         | Weight         |
|-------|-----------|-----------|--------------|-------|------|----------------|----------------|
| PLM04 | 4mm       | 4mm       | 10           | Yes   | 14mm | 1.48" (37.7mm) | 0.67oz (19.0g) |
| PLM06 | 6mm       | 6mm       | 10           | Yes   | 17mm | 1.74" (44.4mm) | 1.09oz (31.0g) |
| PLM08 | 8mm       | 8mm       | 10           | Yes   | 19mm | 1.88" (47.8mm) | 1.37oz (39.0g) |
| PLM10 | 10mm      | 10mm      | 10           | Yes   | 24mm | 1.99" (50.6mm) | 2.01oz (57.0g) |
| PLM12 | 12mm      | 12mm      | 10           | Yes   | 26mm | 2.29" (58.3mm) | 2.79oz (79.0g) |



## Compact Bulkhead Union – PMM-C

Compact Bulkhead Union Fittings allow for passage through a partition or panel by connecting two tubes together in a small package.

### Metric Tube Sizes

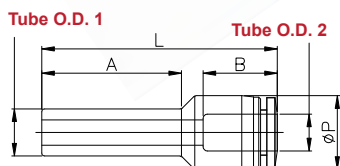
| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|------|----------------|----------------|----------------|
| PMM-04C | 4mm       | 4mm       | 10           | No    | 12mm | 0.35" (9.00mm) | 0.95" (24.3mm) | 0.35oz (10.0g) |
| PMM-06C | 6mm       | 6mm       | 10           | No    | 14mm | 0.43" (11.0mm) | 1.05" (26.9mm) | 0.49oz (14.0g) |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Plug-In Fittings

### Plug-In Reducer – PGJ

Plug-in Reducers offer a push-to-connect port opposing an insert stem of differing sizes.



Fractional Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|
| PGJ1/8-1/4   | 1/8"      | 1/4"      | 10           | Yes   | 1.48" (37.8mm) | 0.09oz (2.70g) |
| PGJ5/32-1/8  | 5/32"     | 1/8"      | 10           | No    | 1.25" (31.8mm) | 0.10oz (3.00g) |
| PGJ5/32-1/4  |           | 1/4"      |              | Yes   | 1.48" (37.8mm) | 0.09oz (2.70g) |
| PGJ1/4-5/32  | 1/4"      | 5/32"     | 10           | Yes   | 1.58" (40.2mm) | 0.13oz (3.80g) |
| PGJ5/16-5/32 | 5/16"     | 5/32"     | 10           | Yes   | 1.56" (39.7mm) | 0.17oz (4.80g) |
| PGJ5/16-1/4  |           | 1/4"      |              |       | 1.88" (48.0mm) | 0.16oz (4.70g) |
| PGJ3/8-1/4   | 3/8"      | 1/4"      | 10           | Yes   | 1.88" (48.0mm) | 0.17oz (4.70g) |
| PGJ3/8-5/16  |           | 5/16"     |              |       | 1.75" (44.7mm) | 0.20oz (5.70g) |
| PGJ1/2-1/4   | 1/2"      | 1/4"      | 10           | Yes   | 1.90" (48.5mm) | 0.20oz (5.70g) |
| PGJ1/2-5/16  |           | 5/16"     |              |       |                | 0.23oz (6.70g) |
| PGJ1/2-3/8   |           | 3/8"      |              |       | 2.03" (51.8mm) | 0.21oz (6.20g) |

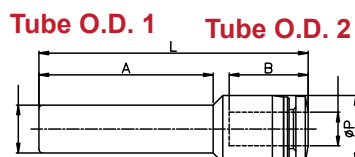


Metric Tube Sizes

| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|----------|-----------|-----------|--------------|-------|----------------|----------------|
| PGJ06-04 | 6mm       | 4mm       | 10           | Yes   | 1.48" (37.7mm) | 0.11oz (3.00g) |
| PGJ08-04 | 8mm       | 4mm       | 10           | Yes   | 1.56" (39.7mm) | 0.14oz (4.00g) |
| PGJ08-06 |           | 6mm       |              |       | 1.57" (40.0mm) | 0.17oz (5.00g) |
| PGJ10-06 | 10mm      | 6mm       | 10           | Yes   | 1.57" (44.0mm) | 0.21oz (6.00g) |
| PGJ10-08 |           | 8mm       |              |       | 1.82" (46.4mm) | 0.24oz (7.00g) |
| PGJ12-06 | 12mm      | 6mm       | 10           | No    | 1.96" (50.0mm) | 0.21oz (6.00g) |
| PGJ12-08 |           | 8mm       |              |       | 1.98" (50.4mm) | 0.24oz (7.00g) |
| PGJ12-10 |           | 10mm      |              |       | 2.08" (52.9mm) | 0.28oz (8.00g) |
| PGJ16-12 | 16mm      | 12mm      | 10           | Yes   | N/A            | N/A            |

### Compact Plug-In Reducer – PGJ-C

Compact Plug-in Reducers offer a push-to-connect port and an insert stem of differing sizes in a small package.



Fractional Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|
| PGJ5/32-1/8C | 5/32"     | 1/8"      | 10           | Yes   | 1.19" (30.4mm) | 0.03oz (1.00g) |
| PGJ1/4-1/8C  | 1/4"      | 1/8"      | 10           | Yes   | 0.85" (21.8mm) | 0.07oz (2.00g) |
| PGJ1/4-5/32C |           | 5/32"     |              | No    |                | 0.10oz (3.00g) |

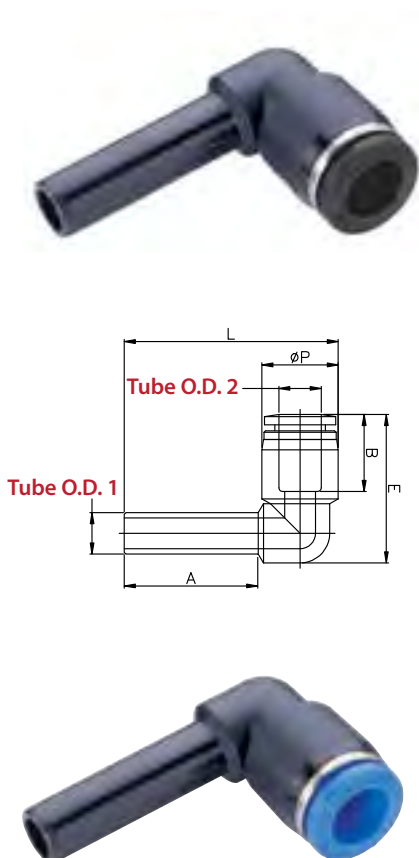
Metric Tube Sizes

| Model     | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-----------|-----------|-----------|--------------|-------|----------------|----------------|
| PGJ04-03C | 4mm       | 3mm       | 10           | No    | 1.19" (30.4mm) | 0.03oz (1.00g) |
| PGJ06-03C | 6mm       | 3mm       | 10           | No    | 1.25" (32.0mm) | 0.07oz (2.00g) |
| PGJ06-04C |           | 4mm       |              |       | 1.32" (33.7mm) | 0.10oz (3.00g) |

# Technifit™ Push-to-Connect Fittings

## Plug-In Elbow (Reducers Included) – PLJ

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



Fractional Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| PLJ5/32     | 5/32"     | 5/32"     | 10           | Yes   | 0.88" (22.5mm) | 0.17oz (4.80g) |
| PLJ3/16     | 3/16"     | 3/16"     | 10           | No    | 1.39" (35.5mm) | 0.16oz (4.70g) |
| PLJ1/4      | 1/4"      | 1/4"      | 10           | Yes   | 1.24" (31.5mm) | 0.23oz (6.70g) |
| PLJ1/4-5/32 |           | 5/32"     |              | No    | 1.39" (35.5mm) | 0.20oz (5.80g) |
| PLJ5/16     | 5/16"     | 5/16"     | 10           | Yes   | 1.60" (40.8mm) | 0.27oz (7.70g) |
| PLJ5/16-1/4 |           | 1/4"      |              | No    | 1.53" (39.0mm) | 0.27oz (7.70g) |
| PLJ3/8      | 3/8"      | 3/8"      | 10           | Yes   | 1.79" (45.5mm) | 0.50oz (14.2g) |
| PLJ3/8-1/4  |           | 1/4"      |              | No    | 1.61" (41.0mm) | 0.51oz (14.7g) |
| PLJ3/8-5/16 |           | 5/16"     |              |       | 1.68" (42.8mm) | 0.55oz (15.7g) |
| PLJ1/2      | 1/2"      | 1/2"      | 5            | Yes   | 2.00" (51.0mm) | 0.67oz (19.0g) |
| PLJ1/2-1/4  |           | 1/4"      |              |       | N/A            | N/A            |

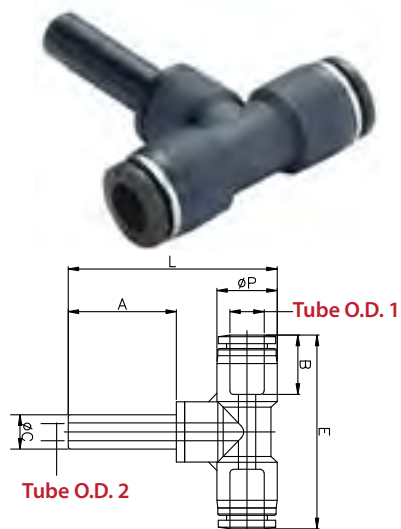
Metric Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PLJ04   | 4mm       | 4mm       | 10           | No    | 1.27" (32.5mm) | 0.14oz (4.00g) |
| PLJ06   | 6mm       | 6mm       | 10           | Yes   | 1.43" (36.5mm) | 0.31oz (9.00g) |
| PLJ0604 |           | 4mm       |              | No    | 1.39" (35.5mm) | 0.21oz (6.00g) |
| PLJ08   | 8mm       | 8mm       | 10           | No    | 1.37" (34.8mm) | 0.28oz (8.00g) |
| PLJ0806 |           | 6mm       |              |       | 1.51" (38.5mm) |                |
| PLJ10   | 10mm      | 10mm      | 10           | Yes   | 1.79" (45.5mm) | 0.35oz (10.0g) |
| PLJ1008 |           | 8mm       |              | No    | 1.68" (42.8mm) | 0.31oz (9.00g) |
| PLJ12   | 12mm      | 12mm      | 5            | No    | 1.98" (50.5mm) | 0.59oz (17.0g) |
| PLJ1210 |           | 10mm      |              |       | 1.87" (47.5mm) | 0.49oz (14.0g) |
| PLJ16   | 16mm      | 16mm      | 5            | No    | 2.26" (57.5mm) | 1.26oz (36.0g) |

# Technifit™ Push-to-Connect Fittings

## Plug-In Branch Tee (Reducers Included) – PTJ

Plug-In Branch Tees provide two opposing push-to-connect ports with an insert stem at a 90° angle.



### Fractional Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| PTJ5/32     | 5/32"     | 5/32"     | 10           | Yes   | 1.68" (42.7mm) | 0.40oz (11.6g) |
| PTJ3/16     | 3/16"     | 3/16"     | 10           | No    | 1.70" (43.2mm) | 0.40oz (11.4g) |
| PTJ1/4      | 1/4"      | 1/4"      | 10           | No    | 1.87" (47.5mm) | 0.57oz (16.4g) |
| PTJ1/4-5/32 |           | 5/32"     |              |       | 1.72" (43.7mm) | 0.93oz (26.6g) |
| PTJ5/16     | 5/16"     | 5/16"     | 10           | No    | 1.98" (50.5mm) | 0.86oz (24.4g) |
| PTJ5/16-1/4 |           | 1/4"      | 5            |       | 1.90" (48.5mm) |                |
| PTJ3/8      | 3/8"      | 3/8"      | 5            | No    | 2.14" (54.5mm) | 1.42oz (40.4g) |
| PTJ3/8-1/4  |           | 1/4"      |              |       | 1.98" (50.5mm) | 1.46oz (41.4g) |
| PTJ3/8-5/16 |           | 5/16"     |              |       | 2.06" (52.5mm) |                |
| PTJ1/2      | 1/2"      | 1/2"      | 5            | No    | 2.44" (62.0mm) | 1.75oz (49.8g) |
| PTJ1/2-3/8  |           | 3/8"      |              |       | 2.23" (56.7mm) |                |

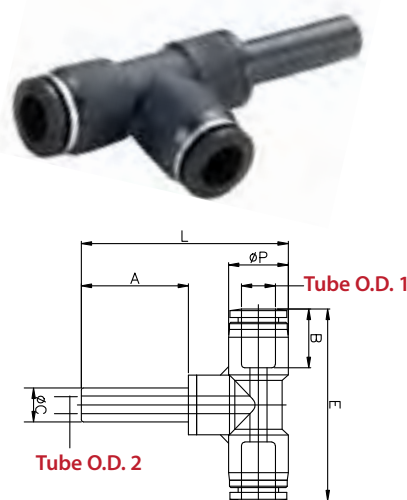
### Metric Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PTJ04   | 4mm       | 4mm       | 10           | Yes   | 1.68" (42.7mm) | 0.21oz (6.00g) |
| PTJ06   | 6mm       | 6mm       | 10           | No    | 1.83" (46.7mm) | 0.32oz (9.00g) |
| PTJ0604 |           | 4mm       |              |       | 1.72" (43.7mm) |                |
| PTJ08   | 8mm       | 8mm       | 10           | No    | 1.98" (50.5mm) | 0.42oz (12.0g) |
| PTJ0806 |           | 6mm       |              |       | 1.87" (47.7mm) |                |
| PTJ10   | 10mm      | 10mm      | 5            | No    | 2.14" (54.5mm) | 0.56oz (16.0g) |
| PTJ1008 |           | 8mm       |              |       | 2.06" (52.5mm) |                |
| PTJ12   | 12mm      | 12mm      | 5            | No    | 2.40" (61.1mm) | 0.88oz (25.0g) |
| PTJ1210 |           | 10mm      |              |       | 2.23" (56.7mm) |                |

# Technifit™ Push-to-Connect Fittings

## Plug-In Run Tee (Reducers Included) – PSJ

Plug-In Run Tees provide two push-to-connect ports with a insert stem.



Fractional Tube Sizes

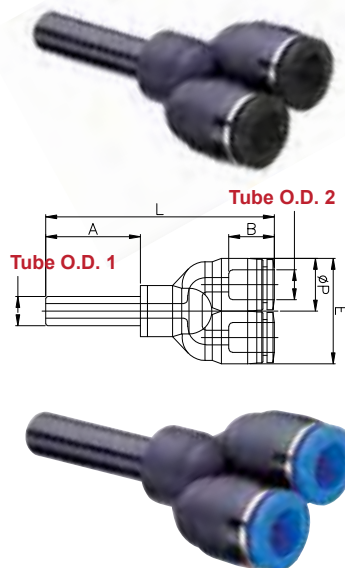
| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| PSJ5/32     | 5/32"     | 5/32"     | 10           | No    | 2.28" (58.0mm) | 0.40oz (11.6g) |
| PSJ3/16     | 3/16"     | 3/16"     | 10           | No    | 2.26" (57.6mm) | 0.40oz (11.4g) |
| PSJ1/4      | 1/4"      | 1/4"      | 10           | Yes   | 2.46" (62.5mm) | 0.57oz (16.4g) |
| PSJ1/4-5/32 |           | 5/32"     |              | No    | 2.32" (59.0mm) | 0.58oz (16.6g) |
| PSJ5/16     | 5/16"     | 5/16"     | 10           | No    | 2.64" (67.2mm) | 0.86oz (24.4g) |
| PSJ5/16-1/4 |           | 1/4"      |              |       | 2.50" (63.5mm) |                |
| PSJ3/8      | 3/8"      | 3/8"      | 5            | No    | 2.87" (73.1mm) | 1.42oz (40.4g) |
| PSJ3/8-1/4  |           | 1/4"      |              |       | 2.57" (65.5mm) | 1.46oz (41.4g) |
| PSJ3/8-5/16 |           | 5/16"     |              |       | 2.72" (69.2mm) |                |
| PSJ1/2      | 1/2"      | 1/2"      | 5            | No    | 3.22" (81.8mm) | 1.76oz (50.0g) |
| PSJ1/2-3/8  |           | 3/8"      |              |       | 2.96" (75.3mm) | 1.74oz (49.4g) |

Metric Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PSJ04   | 4mm       | 4mm       | 10           | No    | 2.28" (58.0mm) | 0.24oz (7.00g) |
| PSJ06   | 6mm       | 6mm       | 10           | No    | 2.45" (62.4mm) | 0.35oz (10.0g) |
| PSJ0604 |           | 4mm       |              |       | 2.32" (59.0mm) | 0.28oz (8.00g) |
| PSJ08   | 8mm       | 8mm       | 5            | No    | 2.64" (67.1mm) | 0.45oz (13.0g) |
| PSJ0806 |           | 6mm       |              |       | 2.49" (63.4mm) |                |
| PSJ10   | 10mm      | 10mm      | 5            | No    | 2.87" (73.1mm) | 0.70oz (20.0g) |
| PSJ1008 |           | 8mm       |              |       | 2.72" (69.1mm) | 0.59oz (17.0g) |
| PSJ12   | 12mm      | 12mm      | 5            | No    | 3.21" (81.6mm) | 0.98oz (28.0g) |
| PSJ1210 |           | 10mm      |              |       | 2.96" (75.3mm) |                |

## Plug-In “Y”– PYJ

Plug-In “Y” Fittings provide two parallel push-to-connect ports and an opposing insert stem.



Fractional Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PYJ5/32 | 5/32"     | 5/32"     | 10           | No    | 2.22" (56.4mm) | 0.33oz (9.60g) |
| PYJ3/16 | 3/16"     | 3/16"     | 10           | No    | 2.27" (57.9mm) | 0.33oz (9.40g) |
| PYJ1/4  | 1/4"      | 1/4"      | 10           | Yes   | 2.39" (60.9mm) | 0.50oz (14.4g) |
| PYJ5/16 | 5/16"     | 5/16"     | 10           | No    | 2.46" (62.5mm) | 0.79oz (22.4g) |
| PYJ3/8  | 3/8"      | 3/8"      | 5            | Yes   | 2.69" (68.5mm) | 1.35oz (38.4g) |
| PYJ1/2  | 1/2"      | 1/2"      | 5            | No    | 3.17" (80.6mm) | 1.69oz (48.0g) |

Metric Tube Sizes

| Model | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------|-----------|-----------|--------------|-------|----------------|----------------|
| PYJ04 | 4mm       | 4mm       | 10           | No    | 2.22" (56.4mm) | 0.17oz (5.00g) |
| PYJ06 | 6mm       | 6mm       | 10           | No    | 2.29" (58.4mm) | 0.31oz (9.00g) |
| PYJ08 | 8mm       | 8mm       | 10           | Yes   | 2.45" (62.4mm) | 0.38oz (11.0g) |
| PYJ10 | 10mm      | 10mm      | 5            | No    | 2.70" (68.6mm) | 0.63oz (18.0g) |
| PYJ12 | 12mm      | 12mm      | 5            | No    | 2.98" (75.7mm) | 0.98oz (28.0g) |

# Technifit™ Push-to-Connect Fittings

## Plug-In Reducer “Y” – PWJ

Plug-In “Y” Fittings provide two parallel push-to-connect ports and an opposing insert stem of a differing size.

Fractional Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| PWJ1/4-5/32 | 1/4"      | 5/32"     | 10           | No    | 2.25" (57.4mm) | 0.51oz (14.6g) |
| PWJ5/16-1/4 | 5/16"     | 3/16"     | 10           | No    | 2.43" (61.9mm) | 0.79oz (22.4g) |
| PWJ3/8-1/4  | 3/8"      | 1/4"      | 10           | No    | 2.51" (63.9mm) | 1.38oz (39.4g) |
| PWJ3/8-5/16 |           | 5/32"     |              |       | 2.53" (64.5mm) | 1.38oz (39.4g) |

Metric Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PWJ0604 | 6mm       | 4mm       | 10           | No    | 2.25" (57.4mm) | 0.21oz (6.00g) |
| PWJ0806 | 8mm       | 6mm       | 10           | No    | 2.33" (59.4mm) | 0.35oz (10.0g) |
| PWJ1008 | 10mm      | 8mm       | 10           | Yes   | 2.53" (64.4mm) | 0.45oz (13.0g) |
| PWJ1210 | 12mm      | 10mm      | 5            | No    | 2.78" (70.8mm) | 0.70oz (20.0g) |

## Plug-In Double Reducer “Y” – PXJ

Plug-In “Y” Fittings provide four parallel push-to-connect ports and an opposing insert stem of a differing size.

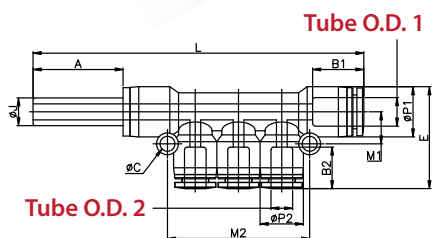
Metric Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PXJ0604 | 6mm       | 4mm       | 5            | No    | 1.96" (55.7mm) | 0.45oz (13.0g) |
| PXJ0806 | 8mm       | 6mm       | 5            | No    | 2.04" (58.0mm) | 0.63oz (18.0g) |

# Technifit™ Push-to-Connect Fittings

## Plug-In Reducer Triple Branch – PKJ

Plug-In Reducer Triple Branch Fittings are a great way to branch three smaller tubes off of a main line. Each fitting is equipped with an insert stem, push-to-connect outlet, along with three smaller push-to-connect ports.



### Fractional Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length          | Weight         |
|--------------|-----------|-----------|--------------|-------|-----------------|----------------|
| PKJ3/16-5/32 | 3/16"     | 5/32"     | 5            | No    | 3.24" (82.3mm)  | 0.85oz (24.1g) |
| PKJ1/4-5/32  | 1/4"      | 5/32"     | 5            | No    | 3.31" (84.3mm)  | 0.85oz (24.1g) |
| PKJ5/16-5/32 | 5/16"     | 5/32"     | 5            | No    | 3.51" (89.2mm)  | 1.30oz (37.1g) |
| PKJ5/16-3/16 |           | 3/16"     |              |       | 3.60" (91.5mm)  | 1.29oz (36.8g) |
| PKJ5/16-1/4  |           | 1/4"      |              |       | 3.75" (95.5mm)  |                |
| PKJ3/8-1/4   | 3/8"      | 1/4"      | 5            | No    | 3.92" (99.7mm)  | 1.70oz (48.3g) |
| PKJ3/8-5/16  |           | 5/16"     |              |       | 4.29" (109.1mm) |                |



### Metric Tube Sizes

| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length          | Weight         |
|----------|-----------|-----------|--------------|-------|-----------------|----------------|
| PKJ06-04 | 6mm       | 4mm       | 5            | No    | 3.38" (86.1mm)  | 0.59oz (17.0g) |
| PKJ08-04 | 8mm       | 4mm       | 5            | No    | 3.50" (89.1mm)  | 0.59oz (17.0g) |
| PKJ08-06 |           | 6mm       |              |       | 3.74" (95.1mm)  | 0.67oz (19.0g) |
| PKJ10-06 | 10mm      | 6mm       | 5            | No    | 4.09" (103.9mm) | 1.05oz (30.0g) |
| PKJ10-08 |           | 8mm       |              |       | 4.29" (109.2mm) | 1.16oz (33.0g) |

## Plug-In Tube Splicer – PIJ

Plug-In Tube Splicers allow for joining two push-to-connect port fittings.

### Fractional Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| PIJ5/32 | 5/32"     | 5/32"     | 10           | Yes   | 1.41" (36.0mm) | 0.03oz (1.00g) |
| PIJ3/16 | 3/16"     | 3/16"     | 10           | No    | 1.49" (38.0mm) | 0.03oz (1.00g) |
| PIJ1/4  | 1/4"      | 1/4"      | 10           | Yes   | 1.57" (40.0mm) | 0.03oz (1.00g) |
| PIJ5/16 | 5/16"     | 5/16"     | 10           | No    | 1.65" (42.0mm) | 0.07oz (2.00g) |
| PIJ3/8  | 3/8"      | 3/8"      | 10           | Yes   | 1.77" (45.0mm) | 0.10oz (3.00g) |
| PIJ1/2  | 1/2"      | 1/2"      | 10           | No    | 1.96" (50.0mm) | 0.14oz (4.00g) |



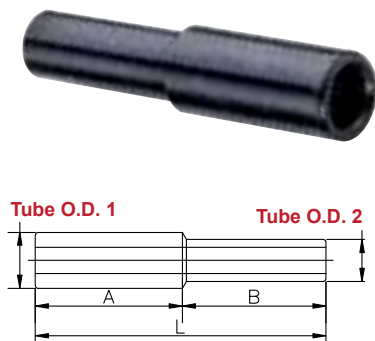
### Metric Tube Sizes

| Model | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------|-----------|-----------|--------------|-------|----------------|----------------|
| PIJ04 | 4mm       | 4mm       | 10           | No    | 1.41" (36.0mm) | 0.03oz (1.00g) |
| PIJ06 | 6mm       | 6mm       | 10           | No    | 1.49" (38.0mm) | 0.03oz (1.00g) |
| PIJ08 | 8mm       | 8mm       | 10           | No    | 1.57" (40.0mm) | 0.03oz (1.00g) |
| PIJ10 | 10mm      | 10mm      | 10           | No    | 1.77" (45.0mm) | 0.10oz (3.00g) |
| PIJ12 | 12mm      | 12mm      | 10           | No    | 1.88" (48.0mm) | 0.14oz (4.00g) |
| PIJ14 | 14mm      | 14mm      | 10           | No    | 2.04" (52.0mm) | 0.17oz (5.00g) |
| PIJ16 | 16mm      | 16mm      | 10           | No    | 2.08" (53.0mm) | 0.21oz (6.00g) |

# Technifit™ Push-to-Connect Fittings

## Plug-In Tube Reducer Splicer – PIG

Plug-In Tube Reducer Splicers allow for joining two push-to-connect port fittings of differing sizes.



Fractional Tube Sizes

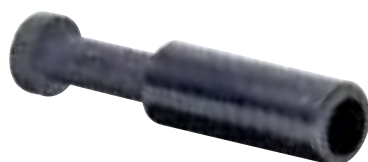
| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|
| PIG3/16-5/32 | 3/16"     | 5/32"     | 10           | No    | 1.57" (40.0mm) | 0.03oz (1.00g) |
| PIG1/4-5/32  | 1/4"      | 5/32"     | 10           | No    | 1.61" (41.0mm) | 0.03oz (1.00g) |
| PIG1/4-3/16  |           | 3/16"     |              |       | 1.61" (41.0mm) |                |
| PIG5/16-1/4  | 5/16"     | 1/4"      | 10           | No    | 1.69" (43.0mm) | 0.07oz (2.00g) |
| PIG3/8-1/4   | 3/8"      | 1/4"      | 10           | No    | 1.77" (45.0mm) | 0.10oz (3.00g) |
| PIG3/8-5/16  |           | 5/16"     |              |       | 1.77" (45.0mm) |                |
| PIG1/2-3/8   | 1/2"      | 3/8"      | 10           | No    | 1.88" (48.0mm) | 0.14oz (4.00g) |

Metric Tube Sizes

| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|----------|-----------|-----------|--------------|-------|----------------|----------------|
| PIG06-04 | 4mm       | 4mm       | 10           | No    | 1.49" (38.0mm) | 0.03oz (1.00g) |
| PIG08-04 | 8mm       | 4mm       | 10           | No    | 1.57" (40.0mm) | 0.03oz (1.00g) |
| PIG08-06 |           | 6mm       |              |       | 1.61" (41.0mm) | 0.07oz (2.00g) |
| PIG10-06 | 10mm      | 6mm       | 10           | Yes   | 1.65" (42.0mm) | 0.07oz (2.00g) |
| PIG10-08 |           | 8mm       |              | No    | 1.73" (44.0mm) | 0.10oz (3.00g) |
| PIG12-08 | 12mm      | 8mm       | 10           | No    | 1.81" (46.0mm) | 0.10oz (3.00g) |
| PIG12-10 |           | 10mm      |              |       | 1.85" (47.0mm) | 0.10oz (3.00g) |
| PIG16-12 | 16mm      | 12mm      | 10           | No    | 2.04" (52.0mm) | 0.21oz (6.00g) |

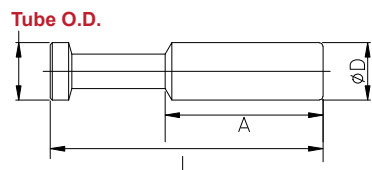
## Plug – PP

Plugs provide a method of blocking off push-to-connect ports.



Fractional Tube Sizes

| Model  | Tube OD | Package Qty. | Stock | Length         | Weight         |
|--------|---------|--------------|-------|----------------|----------------|
| PP5/32 | 5/32"   | 10           | Yes   | 1.29" (30.0mm) | 0.03oz (1.00g) |
| PP3/16 | 3/16"   | 10           | Yes   | 1.29" (33.0mm) | 0.03oz (1.00g) |
| PP1/4  | 1/4"    | 10           | Yes   | 1.33" (34.0mm) | 0.03oz (1.00g) |
| PP5/16 | 5/16"   | 10           | Yes   | 1.49" (38.0mm) | 0.03oz (1.00g) |
| PP3/8  | 3/8"    | 10           | Yes   | 1.65" (42.0mm) | 0.07oz (2.00g) |
| PP1/2  | 1/2"    | 10           | Yes   | 1.81" (46.0mm) | 0.10oz (3.00g) |



Metric Tube Sizes

| Model | Tube OD | Package Qty. | Stock | Length         | Weight         |
|-------|---------|--------------|-------|----------------|----------------|
| PP04  | 4mm     | 10           | Yes   | 1.29" (30.0mm) | 0.03oz (1.00g) |
| PP06  | 6mm     | 10           | Yes   | 1.33" (34.0mm) | 0.03oz (1.00g) |
| PP08  | 8mm     | 10           | Yes   | 1.49" (38.0mm) | 0.07oz (2.00g) |
| PP10  | 10mm    | 10           | Yes   | 1.65" (42.0mm) | 0.10oz (3.00g) |
| PP12  | 12mm    | 10           | Yes   | 1.81" (46.0mm) | 0.14oz (4.00g) |
| PP16  | 16mm    | 10           | Yes   | 1.96" (50.0mm) | 0.28oz (8.00g) |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Caps

### Cap – PPF

Caps provide a blocked push-to-connect port



#### Fractional Tube Sizes

| Model   | Tube OD | Package Qty. | Stock | Length         | Weight         |
|---------|---------|--------------|-------|----------------|----------------|
| PPF5/32 | 5/32"   | 10           | Yes   | 0.41" (10.5mm) | 0.07oz (2.00g) |
| PPF3/16 | 3/16"   | 10           | Yes   | 0.45" (11.5mm) | 0.07oz (2.00g) |
| PPF1/4  | 1/4"    | 10           | No    | 0.51" (13.0mm) | 0.10oz (3.00g) |
| PPF5/16 | 5/16"   | 10           | Yes   | 0.57" (14.5mm) | 0.14oz (4.00g) |
| PPF3/8  | 3/8"    | 10           | Yes   | 0.68" (17.5mm) | 0.24oz (7.00g) |
| PPF1/2  | 1/2"    | 10           | Yes   | 0.82" (21.0mm) | 0.35oz (10.0g) |

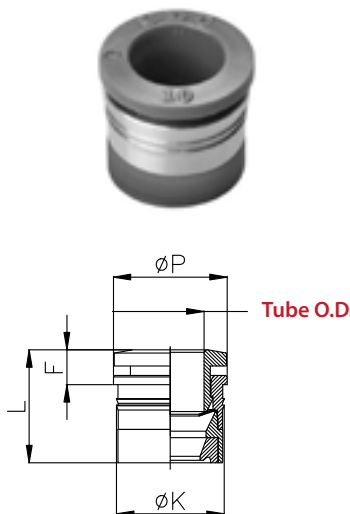
#### Metric Tube Sizes

| Model | Tube OD | Package Qty. | Stock | Length         | Weight         |
|-------|---------|--------------|-------|----------------|----------------|
| PPF04 | 4mm     | 10           | Yes   | 0.41" (10.5mm) | 0.07oz (2.00g) |
| PPF06 | 6mm     | 10           | No    | 0.49" (12.5mm) | 0.10oz (3.00g) |
| PPF08 | 8mm     | 10           | Yes   | 0.57" (14.5mm) | 0.14oz (4.00g) |
| PPF10 | 10mm    | 10           | No    | 0.68" (17.5mm) | 0.24oz (7.00g) |
| PPF12 | 12mm    | 10           | No    | 0.80" (20.5mm) | 0.35oz (10.0g) |
| PPF16 | 16mm    | 10           | No    | 1.00" (25.5mm) | 0.59oz (17.0g) |

## Resin-Series: Cartridge Fittings

### Cartridge Fitting – CAS

Cartridge Fittings provide users with the ability to rebuild or repair push-to-connect fittings



#### Fractional Tube Sizes

| Model   | Tube OD | Package Qty. | Stock | Length         | Weight         |
|---------|---------|--------------|-------|----------------|----------------|
| CAS5/32 | 5/32"   | 10           | Yes   | 0.44" (11.2mm) | 0.10oz (3.00g) |
| CAS3/16 | 3/16"   | 10           | Yes   | 0.48" (12.3mm) | 0.10oz (3.00g) |
| CAS1/4  | 1/4"    | 10           | Yes   | 0.50" (12.9mm) | 0.12oz (3.50g) |
| CAS5/16 | 5/16"   | 10           | No    | 0.54" (13.9mm) | 0.14oz (4.00g) |
| CAS3/8  | 3/8"    | 10           | Yes   | 0.59" (15.1mm) | 0.15oz (4.50g) |
| CAS1/2  | 1/2"    | 10           | Yes   | 0.70" (17.6mm) | 0.17oz (5.00g) |

#### Metric Tube Sizes

| Model | Tube OD | Package Qty. | Stock | Length         | Weight         |
|-------|---------|--------------|-------|----------------|----------------|
| CAS04 | 4mm     | 10           | No    | 0.44" (11.2mm) | 0.10oz (3.00g) |
| CAS06 | 6mm     | 10           | Yes   | 0.48" (12.4mm) | 0.12oz (3.50g) |
| CAS08 | 8mm     | 10           | No    | 0.54" (13.9mm) | 0.14oz (4.00g) |
| CAS10 | 10mm    | 10           | Yes   | 0.59" (15.1mm) | 0.15oz (4.50g) |
| CAS12 | 12mm    | 10           | Yes   | 0.68" (17.4mm) | 0.17oz (5.00g) |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Pneumatic Quick-Disconnection Plugs

### Coupler Plug – PCP

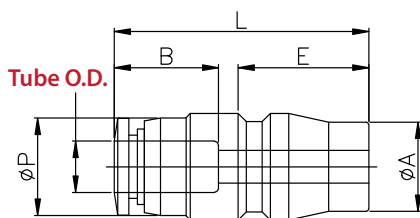
Coupler Plugs consist of a push-to-connect port opposing a pneumatic quick-disconnect plug. This arrangement allows for tubing to be connected to pneumatic quick-disconnect couplings.

Fractional Tube Sizes

| Model   | Tube OD | Interchange             | Package Qty. | Stock | Length         | Weight         |
|---------|---------|-------------------------|--------------|-------|----------------|----------------|
| PCP5/32 | 5/32"   | Japanese 1/4" Body Size | 10           | No    | 1.22" (31.0mm) | 0.66oz (18.8g) |
| PCP3/16 | 3/16"   |                         | 10           | No    | 1.25" (31.8mm) | 0.66oz (18.8g) |
| PCP1/4  | 1/4"    |                         | 10           | No    | 1.25" (31.9mm) | 0.55oz (15.8g) |
| PCP5/16 | 5/16"   |                         | 10           | No    | 1.37" (35.0mm) | 0.69oz (19.7g) |
| PCP3/8  | 3/8"    |                         | 10           | No    | 1.66" (42.2mm) | 0.96oz (27.4g) |
| PCP1/2  | 1/2"    |                         | 10           | No    | 1.82" (46.4mm) | 1.34oz (38.1g) |

Metric Tube Sizes

| Model | Tube OD | Interchange             | Package Qty. | Stock | Length         | Weight         |
|-------|---------|-------------------------|--------------|-------|----------------|----------------|
| PCP04 | 4mm     | Japanese 1/4" Body Size | 10           | No    | 1.22" (31.0mm) | 0.59oz (17.0g) |
| PCP06 | 6mm     |                         | 10           | No    | 1.24" (31.7mm) | 0.56oz (16.0g) |
| PCP08 | 8mm     |                         | 10           | No    | 1.37" (34.9mm) | 0.59oz (17.0g) |
| PCP10 | 10mm    |                         | 10           | No    | 1.66" (42.4mm) | 0.88oz (25.0g) |
| PCP12 | 12mm    |                         | 10           | No    | 1.78" (45.4mm) | 1.16oz (33.0g) |
| PCP16 | 16mm    |                         | 10           | No    | 1.94" (49.3mm) | 1.83oz (52.0g) |

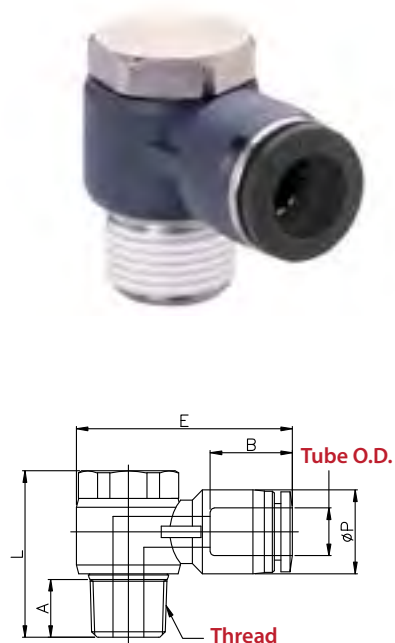


# Technifit™ Push-to-Connect Fittings

## Resin-Series: Banjo/Universal Fittings

### Swivel Male Banjo – PH

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°.



Fractional Tube Sizes

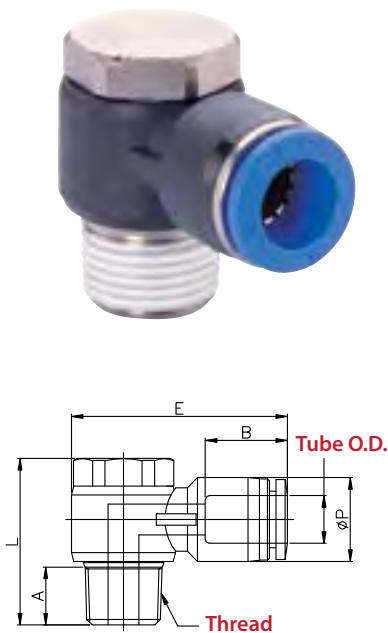
| Model     | Tube OD       | Thread             | Package Qty.   | Stock | Hex    | Length         | Weight         |
|-----------|---------------|--------------------|----------------|-------|--------|----------------|----------------|
| PH1/8-U   | 1/8"          | 10-32 Male         | 10             | Yes   | 5/16"  | 0.84" (21.5mm) | 0.24oz (7.00g) |
| PH5/32-U  | 5/32"         | 10-32 Male         | 10             | Yes   | 5/16"  | 0.99" (25.2mm) | 0.27oz (7.80g) |
| PH5/32-N1 |               | 1/8" Male NPT      |                | No    | 7/16"  | 1.20" (30.6mm) | 0.83oz (23.8g) |
| PH5/32-N2 |               | 1/4" Male NPT      |                | Yes   | 5/16"  | 1.35" (34.5mm) | 1.05oz (29.8g) |
| PH3/16-U  |               | 10-32 Male         |                | 10    | Yes    | 5/16"          | 1.04" (26.6mm) |
| PH3/16-N1 | 1/8" Male NPT | 7/16"              | 1.23" (31.4mm) |       |        | 0.83oz (23.7g) |                |
| PH3/16-N2 | 1/4" Male NPT | 19/32"             | 1.46" (37.3mm) |       |        | 1.04oz (29.7g) |                |
| PH3/16-N3 | 3/8" Male NPT | 3/4"               | 1.53" (39.1mm) |       |        | 0.13oz (3.70g) |                |
| PH1/4-U   | 1/4"          | 10-32 Male         | 10             | Yes   | 5/16"  | 1.12" (28.7mm) | 0.30oz (8.70g) |
| PH1/4-N1  |               | 1/8" Male NPT      |                |       | 7/16"  | 1.25" (32.0mm) | 0.83oz (23.7g) |
| PH1/4-N2  |               | 1/4" Male NPT      |                |       | 19/32" | 1.41" (35.9mm) | 1.25oz (35.7g) |
| PH1/4-N3  |               | 3/8" Male NPT      |                | No    | 3/4"   | 1.56" (39.7mm) | 1.57oz (44.7g) |
| PH1/4-01  |               | 1/8" Male BSPT (R) |                | Yes   | 11mm   | 1.25" (32.0mm) | 0.83oz (23.7g) |
| PH1/4-02  |               | 1/4" Male BSPT (R) |                | No    | 15mm   | 1.41" (35.9mm) | 1.25oz (35.7g) |
| PH1/4-M5  |               | M5 x 0.8           |                |       | 8mm    | 1.12" (28.7mm) | 0.30oz (8.70g) |
| PH5/16-N1 | 5/16"         | 1/8" Male NPT      | 10             | Yes   | 7/16"  | 1.31" (33.3mm) | 1.22oz (34.7g) |
| PH5/16-N2 |               | 1/4" Male NPT      | 5              | No    | 19/32" | 1.46" (37.2mm) | 1.29oz (36.7g) |
| PH5/16-N3 |               | 3/8" Male NPT      |                |       | 3/4"   | 1.59" (40.5mm) | 2.10oz (59.7g) |
| PH5/16-N4 |               | 1/2" Male NPT      |                |       | 15/16" | 1.81" (46.0mm) | 3.41oz (96.7g) |
| PH5/16-01 |               | 1/8" Male BSPT (R) | 10             |       | 15mm   | 1.29" (33.0mm) | 1.22oz (34.7g) |
| PH5/16-02 |               | 1/4" Male BSPT (R) |                |       | 19mm   | 1.45" (37.0mm) | 1.29oz (36.7g) |
| PH5/16-03 |               | 3/8" Male BSPT (R) | 5              |       | 11mm   | 1.57" (40.0mm) | 2.10oz (59.7g) |
| PH3/8-N2  | 3/8"          | 1/4" Male NPT      | 5              | Yes   | 19/32" | 1.57" (40.1mm) | 2.08oz (59.2g) |
| PH3/8-N3  |               | 3/8" Male NPT      |                |       | 3/4"   | 1.65" (42.1mm) | 3.14oz (89.2g) |
| PH3/8-N4  |               | 1/2" Male NPT      |                | No    | 15/16" | 1.86" (47.3mm) | 3.49oz (99.2g) |
| PH3/8-02  |               | 1/4" Male BSPT (R) |                |       | 15mm   | 1.57" (40.1mm) | 2.08oz (59.2g) |
| PH3/8-03  |               | 3/8" Male BSPT (R) |                |       | 19mm   | 1.65" (42.1mm) | 3.14oz (89.2g) |
| PH1/2-N2  | 1/2"          | 1/4" Male NPT      | 5              | Yes   | 19/32" | 1.71" (43.5mm) | 2.18oz (62.0g) |
| PH1/2-N3  |               | 3/8" Male NPT      |                | No    | 3/4"   | 1.78" (45.3mm) | 2.29oz (65.0g) |
| PH1/2-N4  |               | 1/2" Male NPT      |                | Yes   | 15/16" | 1.98" (50.5mm) | 3.84oz (109g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Male Banjo – PH (continued)

Metric Tube Sizes

| Model    | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PH04-01  | 4mm     | 1/8" Male BSPT (R) | 10           | Yes   | 11mm | 1.19" (30.3mm) | 0.52oz (15.0g) |
| PH04-02  |         | 1/4" Male BSPT (R) |              | No    | 15mm | 1.35" (34.3mm) | 0.95oz (27.0g) |
| PH04-G01 |         | 1/8" Male BSPP (G) |              | Yes   | 8mm  | 1.19" (30.3mm) | 0.52oz (15.0g) |
| PH04-G02 |         | 1/4" Male BSPP (G) |              | No    | 12mm | 1.35" (34.3mm) | 0.88oz (25.0g) |
| PH04-M5  |         | M5 x 0.8           |              | Yes   | 8mm  | 0.99" (25.2mm) | 0.28oz (8.00g) |
| PH04-M6  |         | M6 x 1.0           |              | No    | 8mm  | 0.99" (25.2mm) | 0.31oz (9.00g) |
| PH06-01  | 6mm     | 1/8" Male BSPT (R) | 10           | Yes   | 11mm | 1.22" (31.2mm) | 0.56oz (16.0g) |
| PH06-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.38" (35.2mm) | 0.95oz (27.0g) |
| PH06-03  |         | 3/8" Male BSPT (R) | 5            | No    | 19mm | 1.52" (38.7mm) | 1.69oz (48.0g) |
| PH06-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.75" (44.7mm) | 2.61oz (74.0g) |
| PH06-G01 |         | 1/8" Male BSPP (G) | 10           | Yes   | 8mm  | 1.22" (31.2mm) | 0.56oz (16.0g) |
| PH06-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.38" (35.2mm) | 0.91oz (26.0g) |
| PH06-G03 |         | 3/8" Male BSPP (G) | 5            | No    | 14mm | 1.52" (38.7mm) | 1.76oz (50.0g) |
| PH06-M5  |         | M5 x 0.8           | 10           | Yes   | 8mm  | 1.09" (27.7mm) | 0.31oz (9.00g) |
| PH06-M6  |         | M6 x 1.0           |              | No    | 8mm  | 1.09" (27.7mm) | 0.35oz (10.0g) |
| PH08-01  | 8mm     | 1/8" Male BSPT (R) | 5            | Yes   | 11mm | 1.29" (32.9mm) | 0.59oz (17.0g) |
| PH08-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.45" (36.9mm) | 0.98oz (28.0g) |
| PH08-03  |         | 3/8" Male BSPT (R) | 10           | No    | 19mm | 1.41" (39.9mm) | 1.76oz (50.0g) |
| PH08-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.80" (45.8mm) | 2.71oz (77.0g) |
| PH08-G01 |         | 1/8" Male BSPP (G) | 10           | Yes   | 8mm  | 1.29" (32.9mm) | 0.59oz (17.0g) |
| PH08-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.45" (36.9mm) | 0.91oz (26.0g) |
| PH08-G03 |         | 3/8" Male BSPP (G) | 5            | No    | 14mm | 1.57" (39.9mm) | 1.76oz (50.0g) |
| PH08-G04 |         | 1/2" Male BSPP (G) |              | Yes   | 19mm | 1.80" (45.8mm) | 2.46oz (70.0g) |
| PH10-01  | 10mm    | 1/8" Male BSPT (R) | 5            | Yes   | 11mm | 1.38" (35.1mm) | 0.59oz (17.0g) |
| PH10-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.53" (38.9mm) | 1.12oz (32.0g) |
| PH10-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.66" (42.2mm) | 1.79oz (51.0g) |
| PH10-04  |         | 1/2" Male BSPT (R) |              | No    | 24mm | 1.86" (47.4mm) | 2.75oz (78.0g) |
| PH10-G02 |         | 1/4" Male BSPP (G) |              | Yes   | 12mm | 1.53" (38.9mm) | 0.98oz (28.0g) |
| PH10-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.65" (42.0mm) | 1.76oz (50.0g) |
| PH10-G04 |         | 1/2" Male BSPP (G) |              | No    | 19mm | 1.86" (47.4mm) | 2.57oz (73.0g) |
| PH12-02  | 12mm    | 1/4" Male BSPT (R) | 5            | No    | 15mm | 1.66" (42.3mm) | 1.23oz (35.0g) |
| PH12-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.77" (45.2mm) | 1.86oz (53.0g) |
| PH12-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.97" (50.1mm) | 2.89oz (82.0g) |
| PH12-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.72" (43.7mm) | 1.86oz (53.0g) |
| PH12-G04 |         | 1/2" Male BSPP (G) |              |       | 19mm | 1.57" (40.1mm) | 2.75oz (78.0g) |

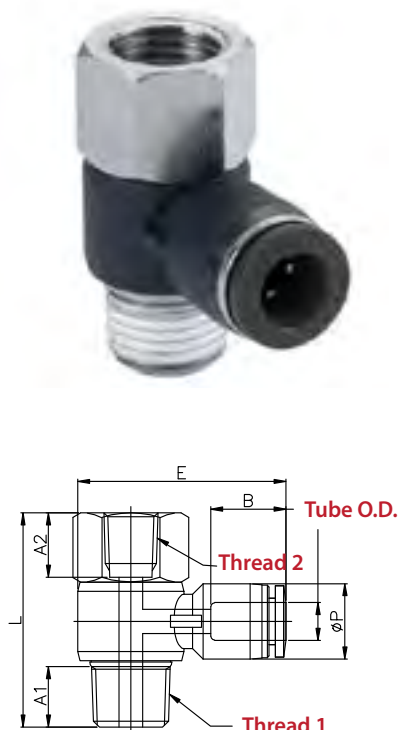


# Technifit™ Push-to-Connect Fittings

## Resin-Series: Banjo/Universal Fittings

### Swivel Female Banjo – PHF

Swivel Female Banjo Fittings are arranged with a push-to-connect port 90° from opposing male and female threads. All banjo fittings swivel 360°.



Fractional Tube Sizes

| Model      | Tube OD            | Thread 1             | Thread 2             | Package Qty. | Stock          | Hex            | Length         | Weight         |
|------------|--------------------|----------------------|----------------------|--------------|----------------|----------------|----------------|----------------|
| PHF1/8-U   | 1/8"               | 10-32 Male           | 10-32 Female         | 10           | No             | 5/16"          | 0.78" (20.0mm) | 0.24oz (7.00g) |
| PHF5/32-U  | 5/32"              | 10-32 Male           | 10-32 Female         | 10           | No             | 5/16"          | 0.78" (20.0mm) | 0.27oz (7.80g) |
| PHF5/32-N1 |                    | 1/8" Male NPT        | 1/8" Female NPT      |              |                | 9/16"          | 1.21" (30.9mm) | 0.66oz (18.8g) |
| PHF3/16-U  | 3/16"              | 10-32 Male           | 10-32 Female         | 10           | No             | 5/16"          | 0.78" (20.0mm) | 0.27oz (7.70g) |
| PHF3/16-N1 |                    | 1/8" Male NPT        | 1/8" Female NPT      |              |                | 9/16"          | 1.21" (30.9mm) | 0.65oz (18.7g) |
| PHF3/16-N2 |                    | 1/4" Male NPT        | 1/4" Female NPT      |              |                | 11/16"         | 1.40" (35.8mm) | 1.11oz (31.7g) |
| PHF3/16-N3 |                    | 3/8" Male NPT        | 3/8" Female NPT      |              |                | 7/8"           | 1.61" (41.0mm) | 1.40oz (39.7g) |
| PHF1/4-U   | 1/4"               | 10-32 Male           | 10-32 Female         | 10           | No             | 5/16"          | 0.78" (20.0mm) | 0.30oz (8.70g) |
| PHF1/4-N1  |                    | 1/8" Male NPT        | 1/8" Female NPT      |              |                | 9/16"          | 1.21" (30.9mm) | 0.69oz (19.7g) |
| PHF1/4-N2  |                    | 1/4" Male NPT        | 1/4" Female NPT      |              |                | 11/16"         | 1.40" (35.8mm) | 1.18oz (33.7g) |
| PHF1/4-N3  |                    | 3/8" Male NPT        | 3/8" Female NPT      |              |                | 7/8"           | 1.61" (41.0mm) | 1.64oz (46.7g) |
| PHF1/4-01  |                    | 1/8" Male BSPT (R)   | 1/8" Female BSPT (R) |              |                | 14mm           | 1.20" (30.7mm) | 0.69oz (19.7g) |
| PHF1/4-02  |                    | 1/4" Male BSPT (R)   | 1/4" Female BSPT (R) |              |                | 17mm           | 1.39" (35.5mm) | 1.18oz (33.7g) |
| PHF1/4-M5  |                    | M5 x 0.8             | M5 x 0.8             |              |                | 8mm            | 0.78" (20.0mm) | 0.30oz (8.70g) |
| PHF5/16-N1 |                    | 1/8" Male NPT        | 1/8" Female NPT      |              |                | 10             | No             | 9/16"          |
| PHF5/16-N2 | 1/4" Male NPT      | 1/4" Female NPT      | 5                    | 11/16"       | 1.40" (35.8mm) | 1.22oz (34.7g) |                |                |
| PHF5/16-N3 | 3/8" Male NPT      | 3/8" Female NPT      |                      | 7/8"         | 1.61" (41.0mm) | 2.10oz (59.7g) |                |                |
| PHF5/16-N4 | 1/2" Male NPT      | 1/2" Female NPT      |                      | 1"           | 1.96" (50.0mm) | 3.37oz (95.7g) |                |                |
| PHF5/16-01 | 1/8" Male BSPT (R) | 1/8" Female BSPT (R) | 10                   | 14mm         | 1.20" (30.7mm) | 0.76oz (21.7g) |                |                |
| PHF5/16-02 | 1/4" Male BSPT (R) | 1/4" Female BSPT (R) |                      | 17mm         | 1.39" (35.5mm) | 1.22oz (34.7g) |                |                |
| PHF5/16-03 | 3/8" Male BSPT (R) | 3/8" Female BSPT (R) | 5                    | 21mm         | 1.62" (41.2mm) | 2.10oz (59.7g) |                |                |
| PHF3/8-N2  | 3/8"               | 1/4" Female NPT      | 1/4" Female NPT      | 5            | No             | 11/16"         |                | 1.40" (35.8mm) |
| PHF3/8-N3  |                    | 3/8" Female NPT      | 3/8" Female NPT      |              |                | 7/8"           | 1.61" (41.0mm) | 2.26oz (64.2g) |
| PHF3/8-N4  |                    | 1/2" Female NPT      | 1/2" Female NPT      |              |                | 1"             | 1.96" (50.0mm) | 3.42oz (97.2g) |
| PHF3/8-02  |                    | 1/4" Male BSPT (R)   | 1/4" Female BSPT (R) |              |                | 17mm           | 1.39" (35.5mm) | 1.38oz (39.2g) |
| PHF3/8-03  |                    | 3/8" Male BSPT (R)   | 3/8" Female BSPT (R) |              |                | 21mm           | 1.62" (41.2mm) | 2.26oz (64.2g) |
| PHF1/2-N2  | 1/2"               | 1/4" Male NPT        | 1/4" Female NPT      | 5            | Yes            | 11/16"         | 1.40" (35.8mm) | 1.48oz (42.0g) |
| PHF1/2-N3  |                    | 3/8" Male NPT        | 3/8" Female NPT      |              | No             | 7/8"           | 1.61" (41.0mm) | 2.36oz (67.0g) |
| PHF1/2-N4  |                    | 1/2" Male NPT        | 1/2" Female NPT      |              |                | 1"             | 1.96" (50.0mm) | 3.49oz (99.0g) |

# Technifit™ Push-to-Connect Fittings

## Swivel Female Banjo – PHF (continued)

### Metric Tube Sizes

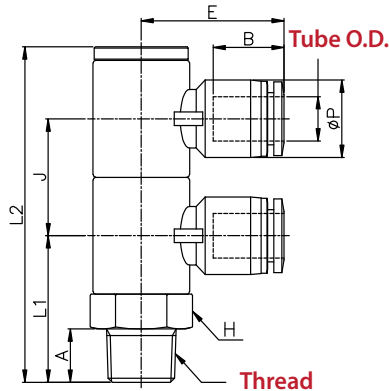
| Model     | Tube OD            | Thread 1           | Thread 2             | Package Qty.         | Stock          | Hex            | Length         | Weight         |                |                |
|-----------|--------------------|--------------------|----------------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| PHF04-01  | 4mm                | 1/8" Male BSPT (R) | 1/8" Female BSPT (R) | 5                    | No             | 14mm           | 0.91" (23.3mm) | 0.70oz (20.0g) |                |                |
| PHF04-02  |                    | 1/4" Male BSPT (R) | 1/4" Female BSPT (R) |                      |                | 17mm           | 1.00" (25.3mm) | 1.09oz (31.0g) |                |                |
| PHF04-G01 |                    | 1/8" Male BSPP (G) | 1/8" Female BSPP (G) |                      |                | 14mm           | 1.33" (33.9mm) | 0.77oz (22.0g) |                |                |
| PHF04-G02 |                    | 1/4" Male BSPP (G) | 1/4" Female BSPP (G) |                      |                | 17mm           | 1.66" (42.4mm) | 1.37oz (39.0g) |                |                |
| PHF04-G03 |                    | 3/8" Male BSPP (G) | 3/8" Female BSPP (G) |                      |                | 21mm           | 1.74" (44.4mm) | 2.11oz (60.0g) |                |                |
| PHF04-G04 |                    | 1/2" Male BSPP (G) | 1/2" Female BSPP (G) |                      |                | 24mm           | 1.96" (49.9mm) | 2.64oz (75.0g) |                |                |
| PHF04-M5  |                    | M5 x 0.8 Male      | M5 x 0.8 Female      |                      |                | 8mm            | 0.65" (16.6mm) | 0.24oz (7.00g) |                |                |
| PHF04-M6  |                    | M6 x 1.0 Male      | M6 x 1.0 Female      |                      |                |                | 0.79" (20.2mm) |                |                |                |
| PHF06-01  | 6mm                | 1/8" Male BSPT (R) | 1/8" Female BSPT (R) | 10                   | No             | 14mm           | 1.20" (30.7mm) | 0.70oz (20.0g) |                |                |
| PHF06-02  |                    | 1/4" Male BSPT (R) | 1/4" Female BSPT (R) | 5                    |                | 17mm           | 1.39" (35.5mm) | 1.12oz (32.0g) |                |                |
| PHF06-03  |                    | 3/8" Male BSPT (R) | 3/8" Female BSPT (R) |                      |                | 21mm           | 1.62" (41.2mm) | 1.94oz (55.0g) |                |                |
| PHF06-04  |                    | 1/2" Male BSPT (R) | 1/2" Female BSPT (R) |                      |                | 24mm           | 1.94" (49.5mm) | 2.29oz (65.0g) |                |                |
| PHF06-G01 |                    | 1/8" Male BSPP (G) | 1/8" Female BSPP (G) | 10                   |                | 14mm           | 1.33" (33.9mm) | 0.77oz (22.0g) |                |                |
| PHF06-G02 |                    | 1/4" Male BSPP (G) | 1/4" Female BSPP (G) |                      |                | 17mm           | 1.66" (42.4mm) | 1.37oz (39.0g) |                |                |
| PHF06-G03 |                    | 3/8" Male BSPP (G) | 3/8" Female BSPP (G) |                      |                | 21mm           | 1.74" (44.4mm) | 2.15oz (61.0g) |                |                |
| PHF06-G04 |                    | 1/2" Male BSPP (G) | 1/2" Female BSPP (G) | 5                    |                | 24mm           | 1.96" (49.9mm) | 2.68oz (76.0g) |                |                |
| PHF06-M5  |                    | M5 x 0.8 Male      | M5 x 0.8 Female      | 10                   |                | 8mm            | 0.89" (22.7mm) | 0.31oz (9.00g) |                |                |
| PHF06-M6  |                    | M6 x 1.0 Male      | M6 x 1.0 Female      |                      |                | 11mm           | 0.95" (24.2mm) | 0.56oz (16.0g) |                |                |
| PHF08-01  |                    | 8mm                | 1/8" Male BSPT (R)   | 1/8" Female BSPT (R) |                | 10             | No             | 14mm           | 1.20" (30.7mm) | 0.77oz (22.0g) |
| PHF08-02  |                    |                    | 1/4" Male BSPT (R)   | 1/4" Female BSPT (R) |                | 5              |                | 17mm           | 1.39" (35.5mm) | 1.12oz (32.0g) |
| PHF08-03  | 3/8" Male BSPT (R) |                    | 3/8" Female BSPT (R) | 21mm                 | 1.62" (41.2mm) |                |                | 1.97oz (56.0g) |                |                |
| PHF08-04  | 1/2" Male BSPT (R) |                    | 1/2" Female BSPT (R) | 24mm                 | 1.94" (49.5mm) |                |                | 2.99oz (85.0g) |                |                |
| PHF08-G01 | 1/8" Male BSPP (G) |                    | 1/8" Female BSPP (G) | 10                   | 14mm           | 1.33" (33.9mm) |                | 0.88oz (25.0g) |                |                |
| PHF08-G02 | 1/4" Male BSPP (G) |                    | 1/4" Female BSPP (G) |                      | 17mm           | 1.66" (42.4mm) |                | 1.41oz (40.0g) |                |                |
| PHF08-G03 | 3/8" Male BSPP (G) |                    | 3/8" Female BSPP (G) |                      | 21mm           | 1.74" (44.4mm) |                | 2.18oz (62.0g) |                |                |
| PHF08-G04 | 1/2" Male BSPP (G) |                    | 1/2" Female BSPP (G) | 5                    | 24mm           | 1.96" (49.9mm) |                | 2.75oz (78.0g) |                |                |
| PHF10-01  | 10mm               | 1/8" Male BSPT (R) | 1/8" Female BSPT (R) | 5                    | No             | 14mm           | 1.20" (30.7mm) | 1.05oz (30.0g) |                |                |
| PHF10-02  |                    | 1/4" Male BSPT (R) | 1/4" Female BSPT (R) |                      |                | 17mm           | 1.39" (35.5mm) | 1.19oz (34.0g) |                |                |
| PHF10-03  |                    | 3/8" Male BSPT (R) | 3/8" Female BSPT (R) |                      |                | 21mm           | 1.62" (41.2mm) | 2.04oz (58.0g) |                |                |
| PHF10-04  |                    | 1/2" Male BSPT (R) | 1/2" Female BSPT (R) |                      |                | 24mm           | 1.94" (49.5mm) | 3.03oz (86.0g) |                |                |
| PHF10-G01 |                    | 1/8" Male BSPP (G) | 1/8" Female BSPP (G) |                      |                | 14mm           | 1.33" (33.9mm) | 0.95oz (27.0g) |                |                |
| PHF10-G02 |                    | 1/4" Male BSPP (G) | 1/4" Female BSPP (G) |                      |                | 17mm           | 1.66" (42.4mm) | 1.55oz (44.0g) |                |                |
| PHF10-G03 |                    | 3/8" Male BSPP (G) | 3/8" Female BSPP (G) |                      |                | 21mm           | 1.74" (44.4mm) | 2.25oz (64.0g) |                |                |
| PHF10-G04 |                    | 1/2" Male BSPP (G) | 1/2" Female BSPP (G) |                      |                | 24mm           | 1.96" (49.9mm) | 2.82oz (80.0g) |                |                |
| PH12-02   | 12mm               | 1/4" Male BSPT (R) | 1/4" Female BSPT (R) | 5                    | No             | 17mm           | 1.39" (35.5mm) | 1.94oz (55.0g) |                |                |
| PH12-03   |                    | 3/8" Male BSPT (R) | 3/8" Female BSPT (R) |                      |                | 21mm           | 1.62" (41.2mm) | 2.18oz (62.0g) |                |                |
| PH12-G02  |                    | 1/4" Male BSPP (G) | 1/4" Female BSPP (G) |                      |                | 17mm           | 1.66" (42.4mm) | 1.55oz (44.0g) |                |                |
| PH12-G03  |                    | 3/8" Male BSPP (G) | 3/8" Female BSPP (G) |                      |                | 21mm           | 1.74" (44.4mm) | 2.39oz (68.0g) |                |                |
| PH12-G04  |                    | 1/2" Male BSPP (G) | 1/2" Female BSPP (G) |                      |                | 24mm           | 1.96" (49.9mm) | 3.17oz (90.0g) |                |                |



# Technifit™ Push-to-Connect Fittings

## Swivel Double Universal Male Elbow – PHL (2)

Similar to a Banjo Fitting, Swivel Double Universal Male Elbows provide a male thread, with two parallel push-to-connect ports set 90° apart.



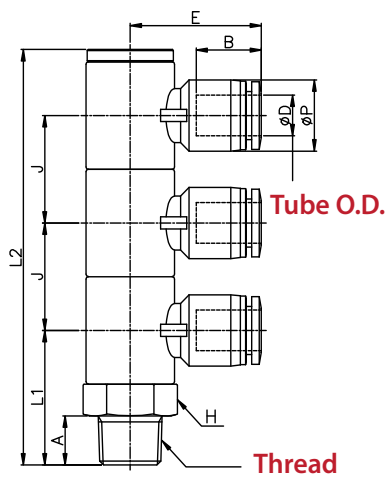
### Metric Tube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PHL04-01(2)  | 4mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.30oz (37.0g) |
| PHL04-02(2)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.08oz (59.0g) |
| PHL04-03(2)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55"(64.8mm)  | 3.24oz (92.0g) |
| PHL04-04(2)  |         | 1/2" Male BSPT (R) | 4            |       | 24mm | 2.88" (73.4mm) | 4.76oz (135g)  |
| PHL04-G01(2) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 1.96" (49.8mm) | 1.30oz (37.0g) |
| PHL04-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 2.08oz (59.0g) |
| PHL04-G03(2) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.43" (61.8mm) | 3.24oz (92.0g) |
| PHL04-G04(2) |         | 1/2" Male BSPP (G) | 4            |       | 24mm | 2.71" (68.9mm) | 4.76oz (135g)  |
| PHL06-01(2)  | 6mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.34oz (38.0g) |
| PHL06-02(2)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.15oz (61.0g) |
| PHL06-03(2)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 3.28oz (93.0g) |
| PHL06-04(2)  |         | 1/2" Male BSPT (R) | 4            |       | 24mm | 2.88" (73.4mm) | 4.83oz (137g)  |
| PHL06-G01(2) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 1.96" (49.8mm) | 1.34oz (38.0g) |
| PHL06-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 2.15oz (61.0g) |
| PHL06-G03(2) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.43" (61.8mm) | 3.28oz (93.0g) |
| PHL06-G04(2) |         | 1/2" Male BSPP (G) | 4            |       | 24mm | 2.71" (68.9mm) | 4.83oz (137g)  |
| PHL08-01(2)  | 8mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.41oz (40.0g) |
| PHL08-02(2)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.18oz (62.0g) |
| PHL08-03(2)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 3.31oz (94.0g) |
| PHL08-04(2)  |         | 1/2" Male BSPT (R) | 4            |       | 24mm | 2.88" (73.4mm) | 4.86oz (138g)  |
| PHL08-G01(2) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 1.96" (49.8mm) | 1.41oz (40.0g) |
| PHL08-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 2.18oz (62.0g) |
| PHL08-G03(2) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.43" (61.8mm) | 3.31oz (94.0g) |
| PHL08-G04(2) |         | 1/2" Male BSPP (G) | 4            |       | 24mm | 2.71" (68.9mm) | 4.86oz (138g)  |
| PHL10-01(2)  | 10mm    | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.55oz (44.0g) |
| PHL10-02(2)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.32oz (66.0g) |
| PHL10-03(2)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 3.49oz (99.0g) |
| PHL10-04(2)  |         | 1/2" Male BSPT (R) | 4            |       | 24mm | 2.88" (73.4mm) | 5.00oz (142g)  |
| PHL10-G01(2) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 1.96" (49.8mm) | 1.55oz (44.0g) |
| PHL10-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 2.32oz (66.0g) |
| PHL10-G03(2) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.43" (61.8mm) | 3.49oz (99.0g) |
| PHL10-G04(2) |         | 1/2" Male BSPP (G) | 4            |       | 24mm | 2.71" (68.9mm) | 5.00oz (142g)  |
| PHL12-02(2)  | 12mm    | 1/4" Male BSPT (R) | 3            | No    | 17mm | 2.47" (62.8mm) | 2.53oz (72.0g) |
| PHL12-03(2)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 3.70oz (105g)  |
| PHL12-04(2)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.88" (73.4mm) | 5.25oz (149g)  |
| PHL12-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 2.53oz (72.0g) |
| PHL12-G03(2) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.43" (61.8mm) | 3.70oz (105g)  |
| PHL12-G04(2) |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.71" (68.9mm) | 5.25oz (149g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Triple Universal Male Elbow – PHL (3)

Similar to a Banjo Fitting, Swivel Double Universal Male Elbows provide a male thread, with three parallel push-to-connect ports set 90° apart.



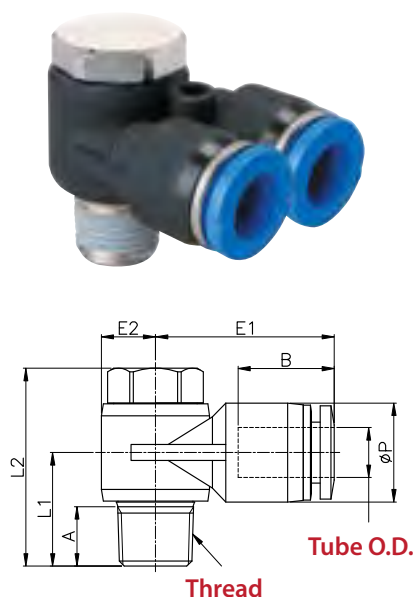
### Metric Tube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PHL04-01(3)  | 4mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.30oz (37.0g) |
| PHL04-02(3)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.08oz (59.0g) |
| PHL04-03(3)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 3.24oz (92.0g) |
| PHL04-04(3)  |         | 1/2" Male BSPT (R) | 4            |       | 24mm | 2.88" (73.4mm) | 4.76oz (135g)  |
| PHL04-G01(3) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 2.66" (67.7mm) | 1.69oz (48.0g) |
| PHL04-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 2.68oz (76.0g) |
| PHL04-G03(3) |         | 3/8" Male BSPP (G) |              |       | 21mm | 3.29" (83.7mm) | 4.12oz (117g)  |
| PHL04-G04(3) |         | 1/2" Male BSPP (G) | 4            |       | 24mm | 3.65" (92.8mm) | 6.13oz (174g)  |
| PHL06-01(3)  | 6mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.34oz (38.0g) |
| PHL06-02(3)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.15oz (61.0g) |
| PHL06-03(3)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 3.28oz (93.0g) |
| PHL06-04(3)  |         | 1/2" Male BSPT (R) | 4            |       | 24mm | 2.88" (73.4mm) | 4.83oz (137g)  |
| PHL06-G01(3) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 2.66" (67.7mm) | 1.76oz (50.0g) |
| PHL06-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 2.78oz (79.0g) |
| PHL06-G03(3) |         | 3/8" Male BSPP (G) |              |       | 21mm | 3.25" (83.7mm) | 4.05oz (115g)  |
| PHL06-G04(3) |         | 1/2" Male BSPP (G) | 4            |       | 24mm | 3.65" (92.8mm) | 6.20oz (176g)  |
| PHL08-01(3)  | 8mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.41oz (40.0g) |
| PHL08-02(3)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.18oz (62.0g) |
| PHL08-03(3)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 3.31oz (94.0g) |
| PHL08-04(3)  |         | 1/2" Male BSPT (R) | 4            |       | 24mm | 2.88" (73.4mm) | 4.86oz (138g)  |
| PHL08-G01(3) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 2.66" (67.7mm) | 1.86oz (53.0g) |
| PHL08-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 3.03oz (86.0g) |
| PHL08-G03(3) |         | 3/8" Male BSPP (G) |              |       | 21mm | 3.29" (83.7mm) | 4.26oz (121g)  |
| PHL08-G04(3) |         | 1/2" Male BSPP (G) | 4            |       | 24mm | 3.65" (92.8mm) | 6.24oz (177g)  |
| PHL10-01(3)  | 10mm    | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.55oz (44.0g) |
| PHL10-02(3)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.32oz (66.0g) |
| PHL10-03(3)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 3.49oz (99.0g) |
| PHL10-04(3)  |         | 1/2" Male BSPT (R) | 4            |       | 24mm | 2.88" (73.4mm) | 5.00oz (142g)  |
| PHL10-G01(3) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 2.66" (67.7mm) | 2.08oz (59.0g) |
| PHL10-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 3.06oz (87.0g) |
| PHL10-G03(3) |         | 3/8" Male BSPP (G) |              |       | 21mm | 3.29" (83.7mm) | 4.51oz (128g)  |
| PHL10-G04(3) |         | 1/2" Male BSPP (G) | 4            |       | 24mm | 3.65" (92.8mm) | 6.49oz (184g)  |
| PHL12-02(3)  | 12mm    | 1/4" Male BSPT (R) | 3            | No    | 17mm | 2.47" (62.8mm) | 2.53oz (72.0g) |
| PHL12-03(3)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 3.70oz (105g)  |
| PHL12-04(3)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.88" (73.4mm) | 5.25oz (149g)  |
| PHL12-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 3.45oz (98.0g) |
| PHL12-G03(3) |         | 3/8" Male BSPP (G) |              |       | 21mm | 3.29" (83.7mm) | 4.83oz (137g)  |
| PHL12-G04(3) |         | 1/2" Male BSPP (G) |              |       | 24mm | 3.65" (92.8mm) | 6.84oz (194g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Male Branch “A” – PA

Similar in design to a banjo fitting, Swivel Male Branch Fittings provide two parallel push-to-connect ports 90° apart from a male fitting. All Swivel Male Branch “A” fittings swivel 360°.

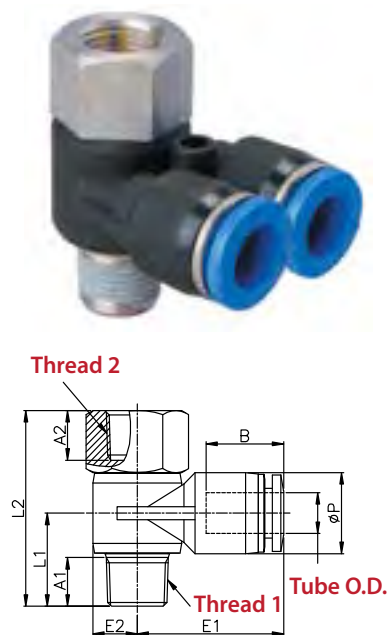


MetricTube Sizes

| Model    | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PA04-M5  | 4mm     | M5 x 0.8           | 10           | No    | 8mm  | 0.96" (24.4mm) | 0.35oz (10.0g) |
| PA06-01  | 6mm     | 1/8" Male BSPT (R) | 5            | No    | 11mm | 1.18" (30.1mm) | 0.70oz (20.0g) |
| PA06-G01 |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.18" (30.1mm) | 0.70oz (20.0g) |
| PA08-02  | 8mm     | 1/4" Male BSPT (R) | 5            | No    | 15mm | 1.45" (36.9mm) | 1.05oz (30.0g) |
| PA08-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.45" (36.9mm) | 1.05oz (30.0g) |
| PA10-02  | 10mm    | 1/4" Male BSPT (R) | 5            | No    | 15mm | 1.57" (39.9mm) | 1.19oz (34.0g) |
| PA10-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.66" (42.2mm) | 2.04oz (58.0g) |
| PA10-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.57" (39.9mm) | 1.19oz (34.0g) |
| PA10-G03 |         | 3/8" Male BSPT (R) |              |       | 14mm | 1.66" (42.2mm) | 2.04oz (58.0g) |
| PA12-03  | 12mm    | 3/8" Male BSPT (R) | 4            | No    | 19mm | 1.85" (47.1mm) | 2.15oz (61.0g) |
| PA12-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.98" (50.3mm) | 3.06oz (87.0g) |
| PA12-G03 |         | 3/8" Male BSPT (R) |              |       | 14mm | 1.85" (47.1mm) | 2.15oz (61.0g) |
| PA12-G04 |         | 1/2" Male BSPP (G) |              |       | 19mm | 1.98" (50.3mm) | 3.06oz (87.0g) |

## Swivel Female Branch “A” – PAF

Swivel Female Branch Fittings are arranged with two push-to-connect ports 90° from opposing male and female threads. All Swivel Female Branch “A” fittings swivel 360°.



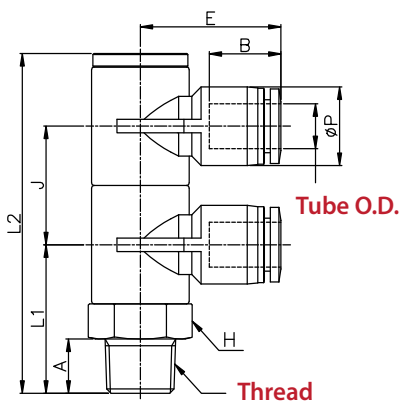
MetricTube Sizes

| Model     | Tube OD | Thread 1           | Thread 2             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|--------------------|----------------------|--------------|-------|------|----------------|----------------|
| PAF04-M5  | 4mm     | M5 x 0.8 Male      | M5 x 0.8 Female      | 10           | No    | 8mm  | 0.96" (24.4mm) | 0.28oz (8.00g) |
| PAF06-01  | 6mm     | 1/8" Male BSPT (R) | 1/8" Female BSPT (R) | 5            | No    | 14mm | 1.18" (30.1mm) | 0.77oz (22.0g) |
| PAF06-G01 |         | 1/8" Male BSPP (G) | 1/8" Female BSPP (G) |              |       | 14mm | 1.59" (40.6mm) | 0.77oz (22.0g) |
| PAF08-02  | 8mm     | 1/4" Male BSPT (R) | 1/4" Female BSPT (R) | 5            | No    | 17mm | 1.53" (38.9mm) | 1.34oz (38.0g) |
| PAF08-G02 |         | 1/4" Male BSPP (G) | 1/4" Female BSPP (G) |              |       | 17mm | 1.41" (35.9mm) | 1.34oz (38.0g) |
| PAF10-02  | 10mm    | 1/4" Male BSPT (R) | 1/4" Female BSPT (R) | 5            | No    | 17mm | 1.57" (39.9mm) | 1.37oz (39.0g) |
| PAF10-03  |         | 3/8" Male BSPT (R) | 3/8" Female BSPT (R) |              |       | 21mm | 1.66" (42.2mm) | 2.15oz (61.0g) |
| PAF10-G02 |         | 1/4" Male BSPP (G) | 1/4" Female BSPP (G) |              |       | 17mm | 1.47" (37.5mm) | 1.37oz (39.0g) |
| PAF10-G03 |         | 3/8" Male BSPT (R) | 3/8" Female BSPT (R) |              |       | 21mm | 1.62" (41.4mm) | 2.15oz (61.0g) |
| PAF12-03  | 12mm    | 3/8" Male BSPT (R) | 3/8" Female BSPT (R) | 4            | No    | 21mm | 1.81" (46.1mm) | 2.46oz (70.0g) |
| PAF12-04  |         | 1/2" Male BSPT (R) | 1/2" Female BSPT (R) |              |       | 24mm | 1.98" (50.3mm) | 3.24oz (92.0g) |
| PAF12-G03 |         | 3/8" Male BSPT (R) | 3/8" Female BSPT (R) |              |       | 21mm | 1.73" (44.1mm) | 2.46oz (70.0g) |
| PAF12-G04 |         | 1/2" Male BSPP (G) | 1/2" Female BSPP (G) |              |       | 24mm | 1.91" (48.6mm) | 3.24oz (92.0g) |

# Technifit™ Push-to-Connect Fittings

## Swivel Male Double Branch “A” – PAT (2)

Similar in design to a banjo fitting, Swivel Male Branch Fittings provide four parallel push-to-connect ports 90° apart from a male fitting. All Swivel Male Branch “A” fittings swivel 360°.



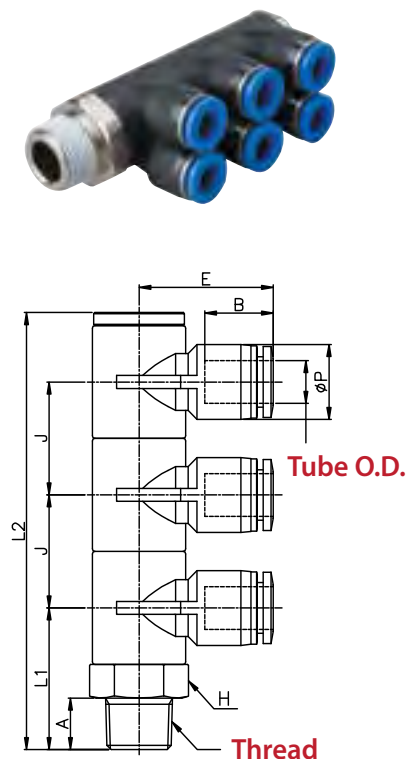
### Metric Tube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PAT04-01(2)  | 4mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.41oz (40.0g) |
| PAT04-02(2)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.18oz (62.0g) |
| PAT04-03(2)  |         | 3/8" Male BSPT (R) | 4            |       | 21mm | 2.55" (64.8mm) | 3.35oz (95.0g) |
| PAT04-04(2)  |         | 1/2" Male BSPT (R) | 3            |       | 24mm | 2.88" (73.4mm) | 4.90oz (139g)  |
| PAT04-G01(2) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 1.96" (49.8mm) | 1.41oz (40.0g) |
| PAT04-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 2.18oz (62.0g) |
| PAT04-G03(2) |         | 3/8" Male BSPP (G) | 4            |       | 21mm | 2.43" (61.8mm) | 3.35oz (95.0g) |
| PAT04-G04(2) |         | 1/2" Male BSPP (G) | 3            |       | 24mm | 2.71" (68.9mm) | 4.90oz (139g)  |
| PAT06-01(2)  | 6mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.51oz (43.0g) |
| PAT06-02(2)  |         | 1/4" Male BSPT (R) | 4            |       | 17mm | 2.47" (62.8mm) | 1.86oz (53.0g) |
| PAT06-03(2)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 3.42oz (97.0g) |
| PAT06-04(2)  |         | 1/2" Male BSPT (R) | 3            |       | 24mm | 2.88" (73.4mm) | 4.97oz (141g)  |
| PAT06-G01(2) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 1.96" (49.8mm) | 1.51oz (43.0g) |
| PAT06-G02(2) |         | 1/4" Male BSPP (G) | 4            |       | 17mm | 2.39" (60.8mm) | 1.86oz (53.0g) |
| PAT06-G03(2) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.43" (61.8mm) | 3.42oz (97.0g) |
| PAT06-G04(2) |         | 1/2" Male BSPP (G) | 3            |       | 24mm | 2.71" (68.9mm) | 4.97oz (141g)  |
| PAT08-01(2)  | 8mm     | 1/8" Male BSPT (R) | 4            | No    | 14mm | 2.03" (51.8mm) | 1.69oz (48.0g) |
| PAT08-02(2)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.46oz (70.0g) |
| PAT08-03(2)  |         | 3/8" Male BSPT (R) | 3            |       | 21mm | 2.55" (64.8mm) | 3.63oz (103g)  |
| PAT08-04(2)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.88" (73.4mm) | 5.14oz (146g)  |
| PAT08-G01(2) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 1.96" (49.8mm) | 1.69oz (48.0g) |
| PAT08-G02(2) |         | 1/4" Male BSPP (G) | 4            |       | 17mm | 2.39" (60.8mm) | 2.46oz (70.0g) |
| PAT08-G03(2) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.43" (61.8mm) | 3.63oz (103g)  |
| PAT08-G04(2) |         | 1/2" Male BSPP (G) | 3            |       | 24mm | 2.71" (68.9mm) | 5.14oz (146g)  |
| PAT10-01(2)  | 10mm    | 1/8" Male BSPT (R) | 3            | No    | 14mm | 2.03" (51.8mm) | 2.64oz (68.0g) |
| PAT10-02(2)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.75oz (78.0g) |
| PAT10-03(2)  |         | 3/8" Male BSPT (R) | 2            |       | 21mm | 2.55" (64.8mm) | 3.88oz (110g)  |
| PAT10-04(2)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.88" (73.4mm) | 5.43oz (154g)  |
| PAT10-G01(2) |         | 1/8" Male BSPP (G) | 3            |       | 14mm | 1.96" (49.8mm) | 2.39oz (68.0g) |
| PAT10-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 2.08oz (78.0g) |
| PAT10-G03(2) |         | 3/8" Male BSPP (G) | 2            |       | 21mm | 2.43" (61.8mm) | 2.75oz (110g)  |
| PAT10-G04(2) |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.71" (68.9mm) | 5.43oz (154g)  |
| PAT12-02(2)  | 12mm    | 1/4" Male BSPT (R) | 3            | No    | 17mm | 2.47" (62.8mm) | 3.20oz (91.0g) |
| PAT12-03(2)  |         | 3/8" Male BSPT (R) | 2            |       | 21mm | 2.55" (64.8mm) | 4.30oz (122g)  |
| PAT12-04(2)  |         | 1/2" Male BSPT (R) | 1            |       | 24mm | 2.88" (73.4mm) | 5.89oz (167g)  |
| PAT12-G02(2) |         | 1/4" Male BSPP (G) | 3            |       | 17mm | 2.39" (60.8mm) | 3.20oz (91.0g) |
| PAT12-G03(2) |         | 3/8" Male BSPP (G) | 2            |       | 21mm | 2.43" (61.8mm) | 4.30oz (122g)  |
| PAT12-G04(2) |         | 1/2" Male BSPP (G) | 1            |       | 24mm | 2.71" (68.9mm) | 5.89oz (167g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Male Triple Branch “A” – PAT (3)

Similar in design to a banjo fitting, Swivel Male Branch Fittings provide six parallel push-to-connect ports 90° apart from a male fitting. All Swivel Male Branch “A” fittings swivel 360°.



MetricTube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PAT04-01(3)  | 4mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.74" (69.7mm) | 1.86oz (53.0g) |
| PAT04-02(3)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 3.33" (84.7mm) | 2.82oz (80.0g) |
| PAT04-03(3)  |         | 3/8" Male BSPT (R) | 3            |       | 21mm | 3.41" (86.7mm) | 4.30oz (122g)  |
| PAT04-04(3)  |         | 1/2" Male BSPT (R) | 2            |       | 24mm | 3.83" (97.3mm) | 6.59oz (187g)  |
| PAT04-G01(3) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 2.66" (67.7mm) | 1.51oz (53.0g) |
| PAT04-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 2.82oz (80.0g) |
| PAT04-G03(3) |         | 3/8" Male BSPP (G) | 3            |       | 21mm | 3.29" (83.7mm) | 4.30oz (122g)  |
| PAT04-G04(3) |         | 1/2" Male BSPP (G) | 2            |       | 24mm | 3.65" (92.8mm) | 6.59oz (187g)  |
| PAT06-01(3)  | 6mm     | 1/8" Male BSPT (R) | 4            | No    | 14mm | 2.74" (69.7mm) | 2.25oz (64.0g) |
| PAT06-02(3)  |         | 1/4" Male BSPT (R) | 3            |       | 17mm | 3.33" (84.7mm) | 3.03oz (86.0g) |
| PAT06-03(3)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 3.41" (86.7mm) | 4.44oz (126g)  |
| PAT06-04(3)  |         | 1/2" Male BSPT (R) | 2            |       | 24mm | 3.83" (97.3mm) | 6.38oz (181g)  |
| PAT06-G01(3) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 2.66" (67.7mm) | 2.25oz (64.0g) |
| PAT06-G02(3) |         | 1/4" Male BSPP (G) | 3            |       | 17mm | 3.25" (82.7mm) | 3.03oz (86.0g) |
| PAT06-G03(3) |         | 3/8" Male BSPP (G) |              |       | 21mm | 3.29" (83.7mm) | 4.44oz (126g)  |
| PAT06-G04(3) |         | 1/2" Male BSPP (G) | 2            |       | 24mm | 3.65" (92.8mm) | 6.38oz (181g)  |
| PAT08-01(3)  | 8mm     | 1/8" Male BSPT (R) | 3            | No    | 14mm | 2.74" (69.7mm) | 2.25oz (64.0g) |
| PAT08-02(3)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 3.33" (84.7mm) | 3.24oz (92.0g) |
| PAT08-03(3)  |         | 3/8" Male BSPT (R) | 2            |       | 21mm | 3.41" (86.7mm) | 4.76oz (135g)  |
| PAT08-04(3)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 3.83" (97.3mm) | 7.05oz (200g)  |
| PAT08-G01(3) |         | 1/8" Male BSPP (G) | 3            |       | 14mm | 2.66" (67.7mm) | 2.25oz (64.0g) |
| PAT08-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 3.24oz (92.0g) |
| PAT08-G03(3) |         | 3/8" Male BSPP (G) | 2            |       | 21mm | 3.29" (83.7mm) | 4.76oz (135g)  |
| PAT08-G04(3) |         | 1/2" Male BSPP (G) |              |       | 24mm | 3.65" (92.8mm) | 7.05oz (200g)  |
| PAT10-01(3)  | 10mm    | 1/8" Male BSPT (R) | 2            | No    | 14mm | 2.74" (69.7mm) | 2.82oz (80.0g) |
| PAT10-02(3)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 3.33" (84.7mm) | 3.73oz (106g)  |
| PAT10-03(3)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 3.41" (86.7mm) | 5.07oz (144g)  |
| PAT10-04(3)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 3.83" (97.3mm) | 7.51oz (213g)  |
| PAT10-G01(3) |         | 1/8" Male BSPP (G) |              |       | 14mm | 2.66" (67.7mm) | 2.82oz (80.0g) |
| PAT10-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 3.73oz (106g)  |
| PAT10-G03(3) |         | 3/8" Male BSPP (G) |              |       | 21mm | 3.29" (83.7mm) | 5.07oz (144g)  |
| PAT10-G04(3) |         | 1/2" Male BSPP (G) |              |       | 24mm | 3.65" (92.8mm) | 7.51oz (213g)  |
| PAT12-02(3)  | 12mm    | 1/4" Male BSPT (R) | 2            | No    | 17mm | 3.33" (84.7mm) | 4.33oz (123g)  |
| PAT12-03(3)  |         | 3/8" Male BSPT (R) | 1            |       | 21mm | 3.41" (86.7mm) | 5.82oz (165g)  |
| PAT12-04(3)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 3.83" (97.3mm) | 7.76oz (220g)  |
| PAT12-G02(3) |         | 1/4" Male BSPP (G) | 2            |       | 17mm | 3.25" (82.7mm) | 4.33oz (123g)  |
| PAT12-G03(3) |         | 3/8" Male BSPP (G) | 1            |       | 21mm | 3.29" (83.7mm) | 5.82oz (165g)  |
| PAT12-G04(3) |         | 1/2" Male BSPP (G) |              |       | 24mm | 3.65" (92.8mm) | 7.76oz (220g)  |

# Technifit™ Push-to-Connect Fittings

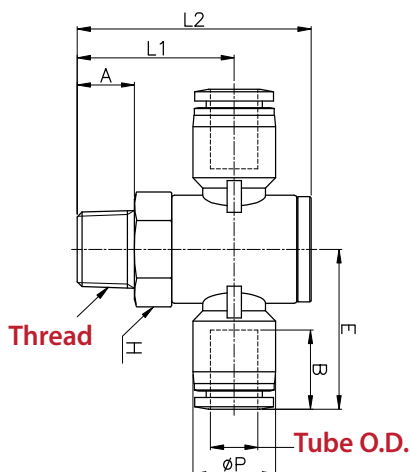
## Swivel Universal Male Tee – PHT (1)

Similar in design to a banjo fitting, Swivel Universal Male Tee Fittings provide two opposing push-to-connect ports 90° apart from a male fitting. All Swivel Universal Male Tee fittings swivel 360°.



MetricTube Sizes

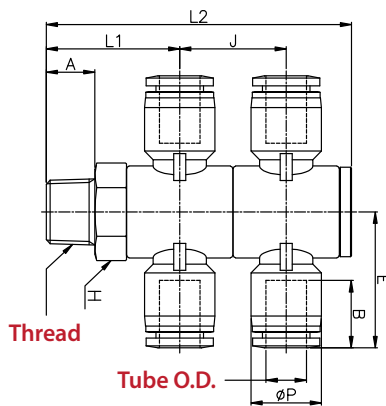
| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PHT04-01(1)  | 4mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 1.83" (46.6mm) | 1.09oz (31.0g) |
| PHT04-02(1)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 1.97" (50.2mm) | 1.65oz (47.0g) |
| PHT04-03(1)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.12" (54.0mm) | 2.50oz (71.0g) |
| PHT04-04(1)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.28" (58.0mm) | 3.70oz (105g)  |
| PHT04-G01(1) |         | 1/8" Male BSPP (G) |              |       | 14mm | 1.83" (46.6mm) | 1.05oz (30.0g) |
| PHT04-G02(1) |         | 1/4" Male BSPP (G) |              |       | 17mm | 1.97" (50.2mm) | 1.62oz (46.0g) |
| PHT04-G03(1) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.04" (52.0mm) | 2.39oz (68.0g) |
| PHT04-G04(1) |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.28" (58.0mm) | 3.45oz (98.0g) |
| PHT06-01(1)  | 6mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 1.89" (48.2mm) | 1.12oz (32.0g) |
| PHT06-02(1)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.04" (52.0mm) | 1.69oz (48.0g) |
| PHT06-03(1)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.19" (55.8mm) | 2.57oz (73.0g) |
| PHT06-04(1)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.30" (58.6mm) | 3.73oz (106g)  |
| PHT06-G01(1) |         | 1/8" Male BSPP (G) |              |       | 14mm | 1.89" (48.2mm) | 1.09oz (31.0g) |
| PHT06-G02(1) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.04" (52.0mm) | 1.65oz (47.0g) |
| PHT06-G03(1) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.19" (55.8mm) | 2.46oz (70.0g) |
| PHT06-G04(1) |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.30" (58.6mm) | 3.52oz (100g)  |
| PHT08-01(1)  | 8mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.01" (51.2mm) | 1.19oz (34.0g) |
| PHT08-02(1)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.15" (54.8mm) | 1.76oz (50.0g) |
| PHT08-03(1)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.30" (58.6mm) | 2.61oz (74.0g) |
| PHT08-04(1)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.41" (61.4mm) | 3.80oz (108g)  |
| PHT08-G01(1) |         | 1/8" Male BSPP (G) |              |       | 14mm | 2.01" (51.2mm) | 1.16oz (33.0g) |
| PHT08-G02(1) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.15" (54.8mm) | 1.69oz (48.0g) |
| PHT08-G03(1) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.30" (58.6mm) | 2.50oz (71.0g) |
| PHT08-G04(1) |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.41" (61.4mm) | 3.59oz (102g)  |
| PHT10-01(1)  | 10mm    | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.21" (56.2mm) | 1.34oz (38.0g) |
| PHT10-02(1)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.34" (59.6mm) | 1.90oz (54.0g) |
| PHT10-03(1)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.51" (63.8mm) | 2.75oz (78.0g) |
| PHT10-04(1)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.65" (67.4mm) | 3.91oz (111g)  |
| PHT10-G01(1) |         | 1/8" Male BSPP (G) |              |       | 14mm | 2.21" (56.2mm) | 0.88oz (37.0g) |
| PHT10-G02(1) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.34" (59.6mm) | 1.30oz (52.0g) |
| PHT10-G03(1) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.51" (63.8mm) | 2.64oz (75.0g) |
| PHT10-G04(1) |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.65" (67.4mm) | 3.70oz (105g)  |
| PHT12-02(1)  | 12mm    | 1/4" Male BSPT (R) | 5            | No    | 17mm | 2.59" (66.0mm) | 2.15oz (61.0g) |
| PHT12-03(1)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.76" (70.2mm) | 2.99oz (85.0g) |
| PHT12-04(1)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.94" (74.8mm) | 4.16oz (118g)  |
| PHT12-G02(1) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.59" (66.0mm) | 2.11oz (60.0g) |
| PHT12-G03(1) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.76" (70.2mm) | 2.89oz (82.0g) |
| PHT12-G04(1) |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.94" (74.8mm) | 3.95oz (112g)  |



# Technifit™ Push-to-Connect Fittings

## Swivel Double Universal Male Tee – PHT (2)

Similar in design to a banjo fitting, Swivel Universal Male Tee Fittings provide four opposing push-to-connect ports 90° apart from a male fitting. All Swivel Universal Male Tee fittings swivel 360°.



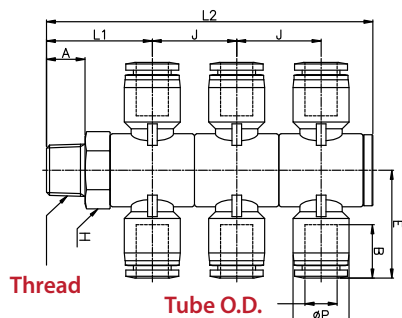
MetricTube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |  |
|--------------|---------|--------------------|--------------|-------|------|----------------|----------------|--|
| PHT04-01(2)  | 4mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.69oz (43.0g) |  |
| PHT04-02(2)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.59oz (66.0g) |  |
| PHT04-03(2)  |         | 3/8" Male BSPT (R) | 4            |       | 21mm | 2.55" (64.8mm) | 3.66oz (93.2g) |  |
| PHT04-04(2)  |         | 1/2" Male BSPT (R) | 3            |       | 24mm | 2.88" (73.4mm) | 5.15oz (131g)  |  |
| PHT04-G01(2) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 1.96" (49.8mm) | 1.65oz (42.0g) |  |
| PHT04-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 2.55oz (65.0g) |  |
| PHT04-G03(2) |         | 3/8" Male BSPP (G) | 4            |       | 21mm | 2.43" (61.8mm) | 3.89oz (99.0g) |  |
| PHT04-G04(2) |         | 1/2" Male BSPP (G) | 3            |       | 24mm | 2.71" (68.9mm) | 5.51oz (140g)  |  |
| PHT06-01(2)  | 6mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.03" (51.8mm) | 1.64oz (41.8g) |  |
| PHT06-02(2)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.71oz (69.0g) |  |
| PHT06-03(2)  |         | 3/8" Male BSPT (R) | 4            |       | 21mm | 2.55" (64.8mm) | 3.73oz (94.8g) |  |
| PHT06-04(2)  |         | 1/2" Male BSPT (R) | 3            |       | 24mm | 2.88" (73.4mm) | 5.31oz (135g)  |  |
| PHT06-G01(2) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 1.96" (49.8mm) | 1.77oz (45.0g) |  |
| PHT06-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 2.66oz (68.0g) |  |
| PHT06-G03(2) |         | 3/8" Male BSPP (G) | 4            |       | 21mm | 2.43" (61.8mm) | 3.93oz (100g)  |  |
| PHT06-G04(2) |         | 1/2" Male BSPP (G) | 3            |       | 24mm | 2.71" (68.9mm) | 5.59oz (142g)  |  |
| PHT08-01(2)  | 8mm     | 1/8" Male BSPT (R) | 4            | No    | 14mm | 2.03" (51.8mm) | 1.96oz (50.0g) |  |
| PHT08-02(2)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.57oz (73.0g) |  |
| PHT08-03(2)  |         | 3/8" Male BSPT (R) | 3            |       | 21mm | 2.55" (64.8mm) | 3.41oz (96.8g) |  |
| PHT08-04(2)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.88" (73.4mm) | 4.86oz (138g)  |  |
| PHT08-G01(2) |         | 1/8" Male BSPP (G) | 4            |       | 14mm | 1.96" (49.8mm) | 1.72oz (49.0g) |  |
| PHT08-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 2.53oz (72.0g) |  |
| PHT08-G03(2) |         | 3/8" Male BSPP (G) | 3            |       | 21mm | 2.03" (51.8mm) | 3.66oz (104g)  |  |
| PHT08-G04(2) |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.71" (68.9mm) | 5.14oz (146g)  |  |
| PHT10-01(2)  | 10mm    | 1/8" Male BSPT (R) | 3            | No    | 14mm | 2.03" (51.8mm) | 2.11oz (60.0g) |  |
| PHT10-02(2)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 2.47" (62.8mm) | 2.46oz (69.8g) |  |
| PHT10-03(2)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 4.16oz (118g)  |  |
| PHT10-04(2)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.88" (73.4mm) | 5.07oz (144g)  |  |
| PHT10-G01(2) |         | 1/8" Male BSPP (G) |              |       | 14mm | 1.96" (49.8mm) | 2.08oz (59.0g) |  |
| PHT10-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 2.92oz (83.0g) |  |
| PHT10-G03(2) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.43" (61.8mm) | 4.05oz (115g)  |  |
| PHT10-G04(2) |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.71" (68.9mm) | 5.46oz (155g)  |  |
| PHT12-02(2)  | 12mm    | 1/4" Male BSPT (R) | 3            | No    | 17mm | 2.47" (62.8mm) | 3.49oz (99.0g) |  |
| PHT12-03(2)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 2.55" (64.8mm) | 4.58oz (130g)  |  |
| PHT12-04(2)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.88" (73.4mm) | 6.13oz (174g)  |  |
| PHT12-G02(2) |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) | 3.45oz (98.0g) |  |
| PHT12-G03(2) |         | 3/8" Male BSPP (G) |              |       | 21mm | 2.43" (61.8mm) | 4.47oz (127g)  |  |
| PHT12-G04(2) |         | 1/2" Male BSPP (G) | 2            |       | 24mm | 2.71" (68.9mm) | 5.92oz (168g)  |  |

# Technifit™ Push-to-Connect Fittings

## Swivel Triple Universal Male Tee – PHT (3)

Similar in design to a banjo fitting, Swivel Universal Male Tee Fittings provide six opposing push-to-connect ports 90° apart from a male fitting. All Swivel Universal Male Tee fittings swivel 360°.



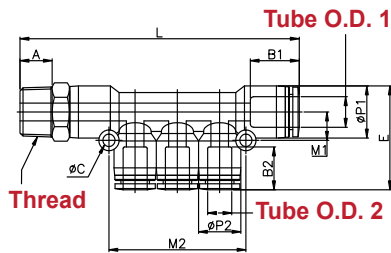
### MetricTube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| PHT04-01(3)  | 4mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.74" (69.7mm) | 2.01oz (57.0g) |
| PHT04-02(3)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 3.33" (84.7mm) | 3.03oz (86.0g) |
| PHT04-03(3)  |         | 3/8" Male BSPT (R) | 3            |       | 21mm | 3.41" (86.7mm) | 4.51oz (128g)  |
| PHT04-04(3)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 3.83" (97.3mm) | 6.59oz (187g)  |
| PHT04-G01(3) |         | 1/8" Male BSPP (G) | 5            |       | 14mm | 2.66" (67.7mm) | 1.69oz (48.0g) |
| PHT04-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 2.68oz (76.0g) |
| PHT04-G03(3) |         | 3/8" Male BSPP (G) | 3            |       | 21mm | 3.29" (83.7mm) | 4.12oz (117g)  |
| PHT04-G04(3) |         | 1/2" Male BSPP (G) |              |       | 24mm | 3.65" (92.8mm) | 6.13oz (174g)  |
| PHT06-01(3)  | 6mm     | 1/8" Male BSPT (R) | 3            | No    | 14mm | 2.74" (69.7mm) | 3.24oz (92.0g) |
| PHT06-02(3)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 3.33" (84.7mm) | 3.20oz (91.0g) |
| PHT06-03(3)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 3.41" (86.7mm) | 4.65oz (132g)  |
| PHT06-04(3)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 3.83" (97.3mm) | 6.73oz (191g)  |
| PHT06-G01(3) |         | 1/8" Male BSPP (G) |              |       | 14mm | 2.66" (67.7mm) | 1.76oz (50.0g) |
| PHT06-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 2.78oz (79.0g) |
| PHT06-G03(3) |         | 3/8" Male BSPP (G) |              |       | 21mm | 3.29" (83.7mm) | 4.05oz (115g)  |
| PHT06-G04(3) |         | 1/2" Male BSPP (G) |              |       | 24mm | 3.65" (92.8mm) | 6.20oz (176g)  |
| PHT08-01(3)  | 8mm     | 1/8" Male BSPT (R) | 3            | No    | 14mm | 2.74" (69.7mm) | 2.36oz (67.0g) |
| PHT08-02(3)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 3.33" (84.7mm) | 3.45oz (98.0g) |
| PHT08-03(3)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 3.41" (86.7mm) | 4.79oz (136g)  |
| PHT08-04(3)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 3.83" (97.3mm) | 7.01oz (199g)  |
| PHT08-G01(3) |         | 1/8" Male BSPP (G) | 3            |       | 14mm | 2.66" (67.7mm) | 1.86oz (53.0g) |
| PHT08-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 3.03oz (86.0g) |
| PHT08-G03(3) |         | 3/8" Male BSPP (G) |              |       | 21mm | 3.29" (83.7mm) | 4.26oz (121g)  |
| PHT08-G04(3) |         | 1/2" Male BSPP (G) |              |       | 24mm | 3.65" (92.8mm) | 6.24oz (177g)  |
| PHT10-01(3)  | 10mm    | 1/8" Male BSPT (R) | 2            | No    | 14mm | 2.74" (69.7mm) | 2.92oz (83.0g) |
| PHT10-02(3)  |         | 1/4" Male BSPT (R) |              |       | 17mm | 3.33" (84.7mm) | 3.95oz (112g)  |
| PHT10-03(3)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 3.41" (86.7mm) | 5.36oz (152g)  |
| PHT10-04(3)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 3.83" (97.3mm) | 7.37oz (209g)  |
| PHT10-G01(3) |         | 1/8" Male BSPP (G) |              |       | 14mm | 2.66" (67.7mm) | 2.08oz (59.0g) |
| PHT10-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 3.06oz (87.0g) |
| PHT10-G03(3) |         | 3/8" Male BSPP (G) |              |       | 21mm | 3.29" (83.7mm) | 4.51oz (128g)  |
| PHT10-G04(3) |         | 1/2" Male BSPP (G) |              |       | 24mm | 3.65" (92.8mm) | 6.49oz (184g)  |
| PHT12-02(3)  | 12mm    | 1/4" Male BSPT (R) | 2            | No    | 17mm | 3.33" (84.7mm) | 4.69oz (133g)  |
| PHT12-03(3)  |         | 3/8" Male BSPT (R) |              |       | 21mm | 3.41" (86.7mm) | 6.03oz (171g)  |
| PHT12-04(3)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 3.83" (97.3mm) | 9.38oz (226g)  |
| PHT12-G02(3) |         | 1/4" Male BSPP (G) |              |       | 17mm | 3.25" (82.7mm) | 3.45oz (98.0g) |
| PHT12-G03(3) |         | 3/8" Male BSPP (G) |              |       | 21mm | 3.29" (83.7mm) | 4.83oz (137g)  |
| PHT12-G04(3) |         | 1/2" Male BSPP (G) |              |       | 24mm | 3.65" (92.8mm) | 6.84oz (194g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Reducer Triple Branch – PKD

Swivel Reducer Triple Branch Fittings provide three push-to-connect ports arranged 90° from a male swivel thread and a larger push-to-connect port.



### Fractional Tube Sizes

| Model           | Tube 1 OD | Tube 2 OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|-----------------|-----------|-----------|---------------|--------------|-------|--------|----------------|----------------|
| PKD3/16-5/32-N1 | 3/16"     | 5/32"     | 1/8" Male NPT | 5            | No    | 7/16"  | 2.74" (69.8mm) | 0.92oz (26.1g) |
| PKD1/4-5/32-N1  | 1/4"      | 5/32"     | 1/8" Male NPT | 5            | No    | 1/2"   | 2.79" (71.1mm) | 0.92oz (26.1g) |
| PKD5/16-5/32-N2 | 5/16"     | 5/32"     | 1/4" Male NPT | 5            | No    | 9/16"  | 3.05" (77.7mm) | 1.09oz (31.1g) |
| PKD5/16-3/16-N2 |           | 3/16"     |               |              |       |        | 3.14" (80.0mm) | 1.22oz (34.8g) |
| PKD5/16-1/4-N2  |           | 1/4"      |               |              |       |        | 3.30" (84.0mm) | 1.12oz (31.8g) |
| PKD3/8-1/4-N3   | 3/8"      | 1/4"      | 3/8" Male NPT | 5            | No    | 11/16" | 3.42" (86.9mm) | 2.05oz (58.3g) |
| PKD3/8-5/16-N3  |           | 5/16"     |               |              |       |        | 3.79" (96.3mm) | 2.19oz (62.3g) |

### Metric Tube Sizes

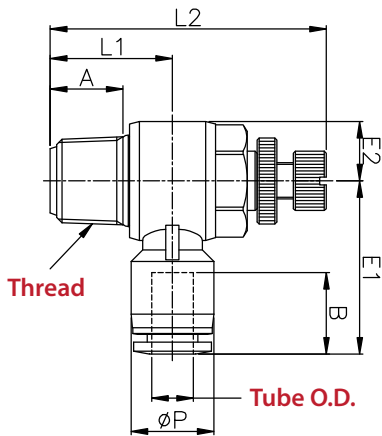
| Model       | Tube 1 OD | Tube 2 OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-------------|-----------|-----------|--------------------|--------------|-------|------|----------------|----------------|
| PKD0604-01  | 6mm       | 4mm       | 1/8" Male BSPT (R) | 5            | No    | 12mm | 2.83" (72.1mm) | 0.70oz (20.0g) |
| PKD0604-G01 |           |           | 1/8" Male BSPP (G) |              |       | 14mm | 2.72" (69.1mm) | 0.88oz (25.0g) |
| PKD0804-01  | 8mm       | 4mm       | 1/8" Male BSPT (R) | 5            | No    | 14mm | 2.91" (74.1mm) | 0.81oz (23.1g) |
| PKD0804-G01 |           |           | 1/8" Male BSPP (G) |              |       | 14mm | 2.79" (71.1mm) | 0.85oz (24.1g) |
| PKD0804-G02 |           |           | 1/4" Male BSPP (G) |              |       | 17mm | 2.87" (73.1mm) | 1.05oz (30.0g) |
| PKD0806-01  |           | 6mm       | 1/8" Male BSPT (R) |              |       | 14mm | 3.15" (80.1mm) | 0.94oz (26.8g) |
| PKD0806-02  |           |           | 1/4" Male BSPT (R) |              |       |      | 3.27" (83.1mm) | 1.16oz (33.0g) |
| PKD0806-G01 |           |           | 1/8" Male BSPP (G) |              |       |      | 3.03" (77.1mm) | 0.98oz (27.8g) |
| PKD0806-G02 |           |           | 1/4" Male BSPP (G) |              |       | 17mm | 3.12" (79.1mm) | 1.16oz (33.0g) |
| PKD1006-02  | 10mm      | 6mm       | 1/4" Male BSPT (R) | 5            | No    | 17mm | 3.52" (89.6mm) | 1.42oz (47.0g) |
| PKD1006-03  |           |           | 3/8" Male BSPT (R) |              |       |      | 3.56" (90.6mm) |                |
| PKD1006-G02 |           |           | 1/4" Male BSPP (G) |              |       | 20mm | 3.37" (85.6mm) | 1.24oz (35.3g) |
| PKD1006-G03 |           |           | 3/8" Male BSPP (G) |              |       |      | 3.35" (85.1mm) |                |
| PKD1008-02  |           | 8mm       | 1/4" Male BSPT (R) |              |       | 17mm | 3.73" (94.9mm) | 1.56oz (44.3g) |
| PKD1008-03  |           |           | 3/8" Male BSPT (R) |              |       |      | 3.77" (95.9mm) |                |
| PKD1008-G02 |           |           | 1/4" Male BSPP (G) |              |       |      | 3.57" (90.9mm) |                |
| PKD1008-G03 |           |           | 3/8" Male BSPP (G) |              |       | 20mm | 3.55" (90.4mm) | 1.62oz (46.0g) |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Flow Controls

### Swivel Flow Control Elbow – NSC

This item allows 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. Swivel Flow Control Elbows are equipped with a knurled thumb-wheel for adjustments along with a locking ring.

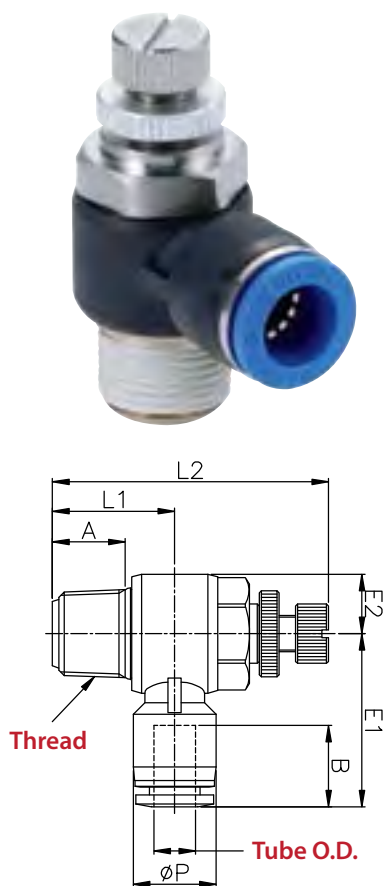


Fractional Tube Sizes

| Model      | Tube OD | Thread             | Package Qty. | Stock | Hex    | Length         | Weight         |
|------------|---------|--------------------|--------------|-------|--------|----------------|----------------|
| NSC1/8-U   | 1/8"    | 10-32 Male         | 1            | Yes   | 5/16"  | 0.84" (21.5mm) | 0.28oz (8.00g) |
| NSC5/32-U  | 5/32"   | 10-32 Male         | 1            | Yes   | 5/16"  | 1.03" (26.3mm) | 0.34oz (9.80g) |
| NSC5/32-N1 |         | 1/8" Male NPT      |              |       | 7/16"  | 1.20" (30.6mm) | 0.66oz (18.8g) |
| NSC5/32-N2 |         | 1/4" Male NPT      |              | No    | 19/32" | 1.35" (34.5mm) | 1.22oz (34.8g) |
| NSC3/16-U  | 3/16"   | 10-32 Male         | 1            | No    | 5/16"  | 1.04" (26.6mm) | 0.34oz (9.70g) |
| NSC3/16-N1 |         | 1/8" Male NPT      |              |       | 7/16"  | 1.23" (31.4mm) | 0.65oz (18.7g) |
| NSC3/16-N2 |         | 1/4" Male NPT      |              |       | 19/32" | 1.38" (35.3mm) | 1.22oz (34.7g) |
| NSC3/16-N3 |         | 3/8" Male NPT      |              |       | 3/4"   | 1.53" (39.1mm) | 2.31oz (65.7g) |
| NSC1/4-U   | 1/4"    | 10-32 Male         | 1            | Yes   | 5/16"  | 1.12" (28.7mm) | 0.37oz (10.7g) |
| NSC1/4-N1  |         | 1/8" Male NPT      |              |       | 7/16"  | 1.25" (32.0mm) | 0.69oz (19.7g) |
| NSC1/4-N2  |         | 1/4" Male NPT      |              |       | 19/32" | 1.41" (35.9mm) | 1.25oz (35.7g) |
| NSC1/4-N3  |         | 3/8" Male NPT      |              |       | 3/4"   | 1.56" (39.7mm) | 2.35oz (66.7g) |
| NSC1/4-01  |         | 1/8" Male BSPT (R) |              |       | 11mm   | 1.25" (32.0mm) | 0.69oz (19.7g) |
| NSC1/4-02  |         | 1/4" Male BSPT (R) |              |       | 15mm   | 1.41" (35.9mm) | 1.25oz (35.7g) |
| NSC1/4-M5  |         | M5 x 0.8           |              |       | 8mm    | 1.12" (28.7mm) | 0.37oz (10.7g) |
| NSC5/16-N1 | 5/16"   | 1/8" Male NPT      | 1            | Yes   | 7/16"  | 1.31" (33.3mm) | 0.76oz (21.7g) |
| NSC5/16-N2 |         | 1/4" Male NPT      |              |       | 19/32" | 1.45" (37.2mm) | 1.32oz (37.7g) |
| NSC5/16-N3 |         | 3/8" Male NPT      |              |       | 3/4"   | 1.59" (40.5mm) | 2.45oz (69.7g) |
| NSC5/16-N4 |         | 1/2" Male NPT      |              | No    | 15/16" | 1.81" (46.0mm) | 3.63oz (103g)  |
| NSC5/16-01 |         | 1/8" Male BSPT (R) |              |       | 11mm   | 1.29" (33.0mm) | 0.76oz (21.7g) |
| NSC5/16-02 |         | 1/4" Male BSPT (R) |              |       | 15mm   | 1.45" (37.0mm) | 1.32oz (37.7g) |
| NSC5/16-03 |         | 3/8" Male BSPT (R) |              |       | 19mm   | 1.57" (40.0mm) | 2.45oz (69.7g) |
| NSC3/8-N2  | 3/8"    | 1/4" Male NPT      | 1            | Yes   | 19/32" | 1.57" (40.1mm) | 1.38oz (39.2g) |
| NSC3/8-N3  |         | 3/8" Male NPT      |              |       | 3/4"   | 1.65" (42.1mm) | 2.47oz (70.2g) |
| NSC3/8-N4  |         | 1/2" Male NPT      |              |       | 15/16" | 1.85" (47.0mm) | 3.84oz (109g)  |
| NSC3/8-02  |         | 1/4" Male BSPT (R) |              |       | 15mm   | 1.57" (40.1mm) | 1.38oz (39.2g) |
| NSC3/8-03  |         | 3/8" Male BSPT (R) |              |       | 19mm   | 1.65" (42.1mm) | 2.47oz (70.2g) |
| NSC1/2-N3  | 1/2"    | 3/8" Male NPT      | 1            | Yes   | 3/4"   | 1.78" (45.3mm) | 2.61oz (74.0g) |
| NSC1/2-N4  |         | 1/2" Male NPT      |              |       | 15/16" | 1.98" (50.5mm) | 4.19oz (119g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control Elbow – NSC (Continued)



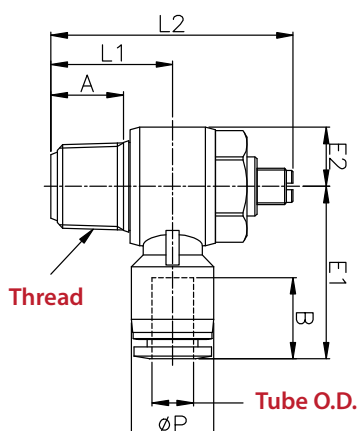
### Metric Tube Sizes

| Model     | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| NSC04-01  | 4mm     | 1/8" Male BSPT (R) | 1            | Yes   | 11mm | 1.19" (30.3mm) | 0.70oz (20.0g) |
| NSC04-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.35" (34.3mm) | 1.26oz (36.0g) |
| NSC04-G01 |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.19" (30.3mm) | 0.70oz (20.0g) |
| NSC04-G02 |         | 1/4" Male BSPP (G) |              | No    | 12mm | 1.35" (34.3mm) | 1.19oz (34.0g) |
| NSC04-M5  |         | M5 x 0.8           |              | Yes   | 8mm  | 0.99" (25.2mm) | 0.31oz (9.00g) |
| NSC06-01  | 6mm     | 1/8" Male BSPT (R) | 1            | Yes   | 11mm | 1.38" (31.2mm) | 0.74oz (21.0g) |
| NSC06-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.38" (35.2mm) | 1.30oz (37.0g) |
| NSC06-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.52" (38.7mm) | 2.46oz (70.0g) |
| NSC06-04  |         | 1/2" Male BSPT (R) |              | No    | 24mm | 1.76" (44.8mm) | 3.80oz (108g)  |
| NSC06-G01 |         | 1/8" Male BSPP (G) |              | Yes   | 8mm  | 1.22" (31.2mm) | 0.70oz (20.0g) |
| NSC06-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.38" (35.2mm) | 1.26oz (36.0g) |
| NSC06-G03 |         | 3/8" Male BSPP (G) |              | No    | 14mm | 1.52" (38.7mm) | 2.39oz (68.0g) |
| NSC06-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 1.76" (44.8mm) | 3.63oz (103g)  |
| NSC08-01  | 8mm     | 1/8" Male BSPT (R) | 1            | Yes   | 11mm | 1.29" (32.9mm) | 0.77oz (22.0g) |
| NSC08-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.45" (36.9mm) | 1.34oz (38.0g) |
| NSC08-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.57" (39.9mm) | 2.50oz (71.0g) |
| NSC08-04  |         | 1/2" Male BSPT (R) |              | No    | 24mm | 1.80" (45.8mm) | 3.84oz (109g)  |
| NSC08-G01 |         | 1/8" Male BSPP (G) |              | Yes   | 8mm  | 1.29" (32.9mm) | 0.77oz (22.0g) |
| NSC08-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.45" (36.9mm) | 1.30oz (37.0g) |
| NSC08-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.57" (39.9mm) | 2.43oz (69.0g) |
| NSC08-G04 |         | 1/2" Male BSPP (G) |              | No    | 17mm | 1.80" (45.8mm) | 3.66oz (104g)  |
| NSC10-01  | 10mm    | 1/8" Male BSPT (R) | 1            | Yes   | 11mm | 1.37" (34.9mm) | 0.91oz (26.0g) |
| NSC10-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.53" (38.9mm) | 1.48oz (42.0g) |
| NSC10-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.66" (42.2mm) | 2.57oz (73.0g) |
| NSC10-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.86" (47.4mm) | 3.88oz (110g)  |
| NSC10-G01 |         | 1/8" Male BSPP (G) |              | No    | 8mm  | 1.37" (34.9mm) | 0.91oz (26.0g) |
| NSC10-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.53" (38.9mm) | 1.44oz (41.0g) |
| NSC10-G03 |         | 3/8" Male BSPP (G) |              | Yes   | 14mm | 1.66" (42.2mm) | 2.50oz (71.0g) |
| NSC10-G04 |         | 1/2" Male BSPP (G) |              | Yes   | 17mm | 1.86" (47.4mm) | 3.73oz (106g)  |
| NSC12-02  | 12mm    | 1/4" Male BSPT (R) | 1            | No    | 15mm | 1.66" (42.3mm) | 1.58oz (45.0g) |
| NSC12-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.81" (46.2mm) | 2.64oz (75.0g) |
| NSC12-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.97" (50.1mm) | 3.98oz (113g)  |
| NSC12-G02 |         | 1/4" Male BSPP (G) |              | No    | 12mm | 1.90" (48.3mm) | 1.51oz (43.0g) |
| NSC12-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.77" (45.2mm) | 2.50oz (71.0g) |
| NSC12-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 1.97" (50.1mm) | 3.80oz (108g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control Elbow – NSC (D)

This item allows for the adjustment of volume passing through the fitting. This allows 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. Swivel Flow Control Elbows are equipped with a slotted knob for adjustments.

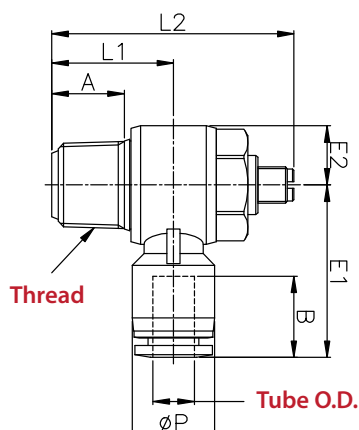


Fractional Tube Sizes

| Model         | Tube OD | Thread             | Package Qty. | Stock | Hex    | Length         | Weight         |
|---------------|---------|--------------------|--------------|-------|--------|----------------|----------------|
| NSC1/8-U(D)   | 1/8"    | 10-32 Male         | 1            | No    | 5/16"  | 0.84" (21.5mm) | 0.28oz (8.00g) |
| NSC5/32-U(D)  | 5/32"   | 10-32 Male         | 1            | No    | 5/16"  | 1.03" (26.3mm) | 0.34oz (9.80g) |
| NSC5/32-N1(D) |         | 1/8" Male NPT      |              |       | 7/16"  | 1.20" (30.6mm) | 0.59oz (16.8g) |
| NSC5/32-N2(D) |         | 1/4" Male NPT      |              |       | 19/32" | 1.35" (34.5mm) | 1.08oz (30.8g) |
| NSC3/16-U(D)  | 3/16"   | 10-32 Male         | 1            | No    | 5/16"  | 1.04" (26.6mm) | 0.34oz (9.70g) |
| NSC3/16-N1(D) |         | 1/8" Male NPT      |              |       | 7/16"  | 1.23" (31.4mm) | 0.58oz (16.7g) |
| NSC3/16-N2(D) |         | 1/4" Male NPT      |              |       | 19/32" | 1.38" (35.3mm) | 1.08oz (30.7g) |
| NSC3/16-N3(D) |         | 3/8" Male NPT      |              |       | 3/4"   | 1.54" (39.2mm) | 1.92oz (54.7g) |
| NSC1/4-U(D)   | 1/4"    | 10-32 Male         | 1            | No    | 5/16"  | 1.12" (28.7mm) | 0.37oz (10.7g) |
| NSC1/4-N1(D)  |         | 1/8" Male NPT      |              |       | 7/16"  | 1.25" (32.0mm) | 0.62oz (17.7g) |
| NSC1/4-N2(D)  |         | 1/4" Male NPT      |              |       | 19/32" | 1.41" (35.9mm) | 1.11oz (31.7g) |
| NSC1/4-N3(D)  |         | 3/8" Male NPT      |              |       | 3/4"   | 1.56" (39.7mm) | 1.96oz (55.7g) |
| NSC1/4-01(D)  |         | 1/8" Male BSPT (R) |              |       | 11mm   | 1.25" (32.0mm) | 0.62oz (17.7g) |
| NSC1/4-02(D)  |         | 1/4" Male BSPT (R) |              |       | 15mm   | 1.41" (35.9mm) | 1.11oz (31.7g) |
| NSC1/4-M5(D)  |         | M5 x 0.8           |              |       | 8mm    | 1.12" (28.7mm) | 0.37oz (10.7g) |
| NSC5/16-N1(D) | 5/16"   | 1/8" Male NPT      | 1            | No    | 7/16"  | 1.31" (33.3mm) | 0.65oz (18.7g) |
| NSC5/16-N2(D) |         | 1/4" Male NPT      |              |       | 19/32" | 1.46" (37.2mm) | 1.18oz (33.7g) |
| NSC5/16-N3(D) |         | 3/8" Male NPT      |              |       | 3/4"   | 1.59" (40.5mm) | 2.07oz (58.7g) |
| NSC5/16-N4(D) |         | 1/2" Male NPT      |              |       | 15/16" | 1.81" (46.0mm) | 3.19oz (90.7g) |
| NSC5/16-01(D) |         | 1/8" Male BSPT (R) |              |       | 11mm   | 1.29" (33.0mm) | 0.65oz (18.7g) |
| NSC5/16-02(D) |         | 1/4" Male BSPT (R) |              |       | 15mm   | 1.45" (37.0mm) | 1.18oz (33.7g) |
| NSC5/16-03(D) |         | 3/8" Male BSPT (R) |              |       | 19mm   | 1.57" (40.0mm) | 2.07oz (58.7g) |
| NSC3/8-N2(D)  | 3/8"    | 1/4" Male NPT      | 1            | No    | 19/32" | 1.57" (40.0mm) | 1.24oz (35.2g) |
| NSC3/8-N3(D)  |         | 3/8" Male NPT      |              |       | 3/4"   | 1.65" (42.1mm) | 2.08oz (59.2g) |
| NSC3/8-N4(D)  |         | 1/2" Male NPT      |              |       | 15/16" | 1.85" (47.0mm) | 3.39oz (96.2g) |
| NSC3/8-02(D)  |         | 1/4" Male BSPT (R) |              |       | 15mm   | 1.57" (40.1mm) | 1.24oz (35.2g) |
| NSC3/8-03(D)  |         | 3/8" Male BSPT (R) |              |       | 19mm   | 1.65" (42.1mm) | 2.08oz (59.2g) |
| NSC1/2-N3(D)  | 1/2"    | 3/8" Male NPT      | 1            | No    | 3/4"   | 1.78" (45.3mm) | 2.43oz (69.0g) |
| NSC1/2-N4(D)  |         | 1/2" Male NPT      |              |       | 15/16" | 1.98" (50.5mm) | 3.73oz (106g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control Elbow – NSC (D) (continued)



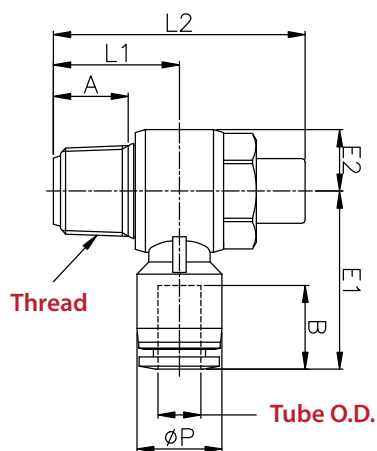
### Metric Tube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| NSC04-01(D)  | 4mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.19" (30.3mm) | 0.70oz (20.0g) |
| NSC04-02(D)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.35" (34.3mm) | 1.26oz (36.0g) |
| NSC04-G01(D) |         | 1/8" Male BSPP (G) |              | Yes   | 8mm  | 1.19" (30.3mm) | 0.70oz (20.0g) |
| NSC04-G02(D) |         | 1/4" Male BSPP (G) |              | No    | 12mm | 0.42" (36.3mm) | 1.19oz (34.0g) |
| NSC04-M5(D)  |         | M5 x 0.8           |              |       | 8mm  | 0.99" (25.2mm) | 0.31oz (9.00g) |
| NSC06-01(D)  | 6mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.22" (31.2mm) | 0.74oz (21.0g) |
| NSC06-02(D)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.38" (35.2mm) | 1.30oz (37.0g) |
| NSC06-03(D)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.52" (38.7mm) | 2.46oz (70.0g) |
| NSC06-04(D)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.76" (44.8mm) | 3.80oz (108g)  |
| NSC06-G01(D) |         | 1/8" Male BSPP (G) |              | Yes   | 8mm  | 1.22" (31.2mm) | 0.70oz (20.0g) |
| NSC06-G02(D) |         | 1/4" Male BSPP (G) |              | No    | 12mm | 1.38" (35.2mm) | 1.26oz (36.0g) |
| NSC06-G03(D) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.52" (38.7mm) | 2.39oz (68.0g) |
| NSC06-G04(D) |         | 1/2" Male BSPP (G) |              |       | 17mm | 1.76" (44.8mm) | 3.63oz (103g)  |
| NSC06-M5(D)  |         | M5 x 0.8           |              | Yes   | 8mm  | 1.09" (27.7mm) | 0.35oz (10.0g) |
| NSC08-01(D)  | 8mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.05" (26.9mm) | 0.77oz (22.0g) |
| NSC08-02(D)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.45" (36.9mm) | 1.34oz (38.0g) |
| NSC08-03(D)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.41" (39.9mm) | 2.50oz (71.0g) |
| NSC08-04(D)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.80" (45.8mm) | 3.84oz (109g)  |
| NSC08-G01(D) |         | 1/8" Male BSPP (G) |              | Yes   | 8mm  | 1.29" (32.9mm) | 0.77oz (22.0g) |
| NSC08-G02(D) |         | 1/4" Male BSPP (G) |              | No    | 12mm | 1.45" (36.9mm) | 1.30oz (37.0g) |
| NSC08-G03(D) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.57" (39.9mm) | 2.43oz (69.0g) |
| NSC08-G04(D) |         | 1/2" Male BSPP (G) |              |       | 17mm | 1.80" (45.8mm) | 3.66oz (104g)  |
| NSC10-01(D)  | 10mm    | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.37" (34.9mm) | 0.91oz (26.0g) |
| NSC10-02(D)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.53" (38.9mm) | 1.48oz (42.0g) |
| NSC10-03(D)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.66" (42.2mm) | 2.57oz (73.0g) |
| NSC10-04(D)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.86" (47.4mm) | 3.88oz (110g)  |
| NSC10-G01(D) |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.37" (34.9mm) | 0.91oz (26.0g) |
| NSC10-G02(D) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.53" (38.9mm) | 1.44oz (41.0g) |
| NSC10-G03(D) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.66" (42.2mm) | 2.50oz (71.0g) |
| NSC10-G04(D) |         | 1/2" Male BSPP (G) |              |       | 17mm | 1.86" (47.4mm) | 3.73oz (106g)  |
| NSC12-02(D)  | 12mm    | 1/4" Male BSPT (R) | 1            | No    | 15mm | 1.66" (42.3mm) | 1.58oz (45.0g) |
| NSC12-03(D)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.77" (45.2mm) | 2.64oz (75.0g) |
| NSC12-04(D)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.97" (50.1mm) | 3.98oz (113g)  |
| NSC12-G02(D) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.66" (42.3mm) | 1.51oz (43.0g) |
| NSC12-G03(D) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.77" (45.2mm) | 2.50oz (71.0g) |
| NSC12-G04(D) |         | 1/2" Male BSPP (G) |              |       | 17mm | 1.97" (50.1mm) | 3.80oz (108g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control Elbow – NSC (DC)

This item allows for the adjustment of volume passing through the fitting. This allows 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. Swivel Flow Control Elbows are equipped with a slot-knob for adjustments.

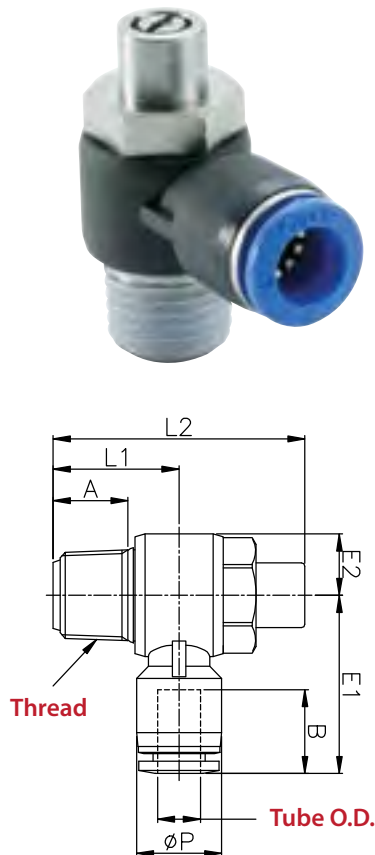


Fractional Tube Sizes

| Model          | Tube OD | Thread             | Package Qty. | Stock | Hex    | Length         | Weight         |
|----------------|---------|--------------------|--------------|-------|--------|----------------|----------------|
| NSC1/8-U(DC)   | 1/8"    | 10-32 Male         | 1            | No    | 5/16"  | 0.84" (21.5mm) | 0.28oz (8.00g) |
| NSC5/32-U(DC)  | 5/32"   | 10-32 Male         | 1            | Yes   | 5/16"  | 1.03" (26.3mm) | 0.35oz (9.80g) |
| NSC5/32-N1(DC) |         | 1/8" Male NPT      |              |       | 7/16"  | 1.20" (30.6mm) | 0.66oz (18.8g) |
| NSC5/32-N2(DC) |         | 1/4" Male NPT      |              |       | 19/32" | 1.35" (34.5mm) | 1.16oz (32.8g) |
| NSC3/16-U(DC)  |         | 10-32 Male         |              |       | 5/16"  | 1.04" (26.6mm) | 0.34oz (9.70g) |
| NSC3/16-N1(DC) | 3/16"   | 1/8" Male NPT      | 1            | No    | 7/16"  | 1.23" (31.4mm) | 0.66oz (18.7g) |
| NSC3/16-N2(DC) |         | 1/4" Male NPT      |              |       | 19/32" | 1.38" (35.3mm) | 1.15oz (32.7g) |
| NSC3/16-N3(DC) |         | 3/8" Male NPT      |              |       | 3/4"   | 1.53" (39.1mm) | 2.11oz (59.7g) |
| NSC1/4-U(DC)   |         | 10-32 Male         |              | Yes   | 5/16"  | 1.12" (28.7mm) | 0.38oz (10.7g) |
| NSC1/4-N1(DC)  | 1/4"    | 1/8" Male NPT      | 1            | No    | 7/16"  | 1.25" (32.0mm) | 0.70oz (19.7g) |
| NSC1/4-N2(DC)  |         | 1/4" Male NPT      |              | Yes   | 19/32" | 1.41" (35.9mm) | 1.19oz (33.7g) |
| NSC1/4-N3(DC)  |         | 3/8" Male NPT      |              | No    | 3/4"   | 1.56" (39.7mm) | 2.18oz (61.7g) |
| NSC1/4-01(DC)  |         | 1/8" Male BSPT (R) |              |       | 11mm   | 1.25" (32.0mm) | 0.70oz (19.7g) |
| NSC1/4-02(DC)  |         | 1/4" Male BSPT (R) |              |       | 15mm   | 1.41" (35.9mm) | 1.19oz (33.7g) |
| NSC1/4-M5(DC)  |         | M5 x 0.8           |              |       | 8mm    | 1.12" (28.7mm) | 0.62oz (10.7g) |
| NSC5/16-N1(DC) |         | 1/8" Male NPT      | 1            | No    | 7/16"  | 1.31" (33.3mm) | 0.73oz (20.7g) |
| NSC5/16-N2(DC) |         | 1/4" Male NPT      |              |       | 19/32" | 1.46" (37.2mm) | 1.26oz (35.7g) |
| NSC5/16-N3(DC) |         | 3/8" Male NPT      |              |       | 3/4"   | 1.59" (40.5mm) | 2.28oz (64.7g) |
| NSC5/16-N4(DC) |         | 1/2" Male NPT      |              |       | 15/16" | 1.81" (46.0mm) | 3.41oz (96.7g) |
| NSC5/16-01(DC) |         | 1/8" Male BSPT (R) |              |       | 11mm   | 1.29" (33.0mm) | 0.73oz (20.7g) |
| NSC5/16-02(DC) |         | 1/4" Male BSPT (R) |              |       | 15mm   | 1.45" (37.0mm) | 1.26oz (35.7g) |
| NSC5/16-03(DC) |         | 3/8" Male BSPT (R) |              |       | 19mm   | 1.57" (40.0mm) | 2.28oz (64.7g) |
| NSC3/8-N2(DC)  | 3/8"    | 1/4" Male NPT      | 1            | Yes   | 19/32" | 1.57" (40.1mm) | 1.31oz (37.2g) |
| NSC3/8-N3(DC)  |         | 3/8" Male NPT      |              | No    | 3/4"   | 1.65" (42.1mm) | 2.30oz (65.2g) |
| NSC3/8-N4(DC)  |         | 1/2" Male NPT      |              |       | 15/16" | 1.85" (47.0mm) | 3.61oz (102g)  |
| NSC3/8-02(DC)  |         | 1/4" Male BSPT (R) |              |       | 15mm   | 1.57" (40.1mm) | 1.31oz (37.2g) |
| NSC3/8-03(DC)  |         | 3/8" Male BSPT (R) |              |       | 19mm   | 1.65" (42.1mm) | 2.30oz (62.2g) |
| NSC1/2-N3(DC)  | 1/2"    | 3/8" Male NPT      | 1            | No    | 3/4"   | 1.78" (45.3mm) | 2.65oz (75.0g) |
| NSC1/2-N4(DC)  |         | 1/2" Male NPT      |              |       | 15/16" | 1.98" (50.5mm) | 3.95oz (112g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control Elbow – NSC (DC) (continued)



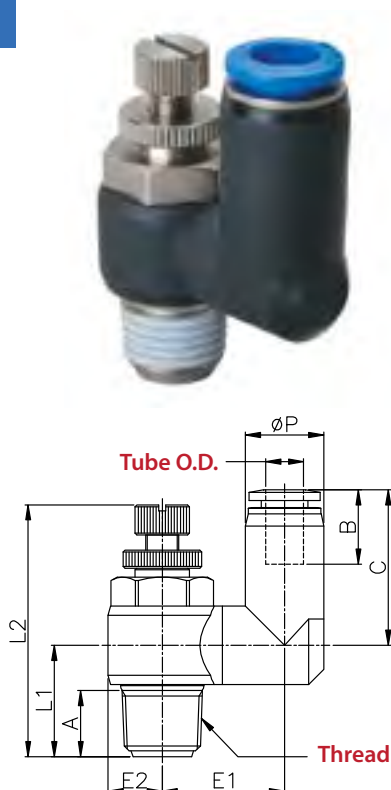
### Metric Tube Size

| Model         | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|---------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| NSC04-01(DC)  | 4mm     | 1/8" Male BSPT (R) | 1            | No    | 8mm  | 1.19" (30.3mm) | 0.56oz (16.0g) |
| NSC04-02(DC)  |         | 1/4" Male BSPT (R) |              |       | 11mm | 1.35" (34.3mm) | 1.23oz (35.0g) |
| NSC04-G01(DC) |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.19" (30.3mm) | 0.56oz (16.0g) |
| NSC04-G02(DC) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.35" (34.3mm) | 1.23oz (35.0g) |
| NSC04-M5(DC)  |         | M5 x 0.8           |              |       | 8mm  | 0.99" (25.2mm) | 0.24oz (7.00g) |
| NSC06-01(DC)  | 6mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.22" (31.2mm) | 0.63oz (18.0g) |
| NSC06-02(DC)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.38" (35.2mm) | 1.16oz (33.0g) |
| NSC06-03(DC)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.52" (38.7mm) | 2.22oz (63.0g) |
| NSC06-04(DC)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.76" (44.8mm) | 3.80oz (108g)  |
| NSC06-G01(DC) |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.38" (35.2mm) | 0.63oz (18.0g) |
| NSC06-G02(DC) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.38" (35.2mm) | 1.16oz (33.0g) |
| NSC06-G03(DC) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.52" (38.7mm) | 2.22oz (63.0g) |
| NSC06-G04(DC) |         | 1/2" Male BSPP (G) |              |       | 17mm | 1.76" (44.8mm) | 3.80oz (108g)  |
| NSC06-M5(DC)  |         | M5 x 0.8           |              |       | 8mm  | 1.09" (27.7mm) | 0.31oz (9.00g) |
| NSC08-01(DC)  | 8mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.29" (32.9mm) | 0.70oz (20.0g) |
| NSC08-02(DC)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.45" (36.9mm) | 1.19oz (34.0g) |
| NSC08-03(DC)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.53" (39.0mm) | 2.25oz (64.0g) |
| NSC08-04(DC)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.80" (45.8mm) | 3.52oz (100g)  |
| NSC08-G01(DC) |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.29" (32.9mm) | 0.70oz (20.0g) |
| NSC08-G02(DC) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.45" (36.9mm) | 1.19oz (34.0g) |
| NSC08-G03(DC) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.57" (39.9mm) | 2.25oz (64.0g) |
| NSC08-G04(DC) |         | 1/2" Male BSPP (G) |              |       | 17mm | 1.80" (45.8mm) | 3.52oz (100g)  |
| NSC10-01(DC)  | 10mm    | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.37" (34.9mm) | 0.91oz (26.0g) |
| NSC10-02(DC)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.53" (38.9mm) | 1.34oz (38.0g) |
| NSC10-03(DC)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.66" (42.2mm) | 2.22oz (63.0g) |
| NSC10-04(DC)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.86" (47.4mm) | 3.63oz (103g)  |
| NSC10-G01(DC) |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.37" (34.9mm) | 0.91oz (26.0g) |
| NSC10-G02(DC) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.53" (38.9mm) | 1.34oz (38.0g) |
| NSC10-G03(DC) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.66" (42.2mm) | 2.22oz (63.0g) |
| NSC10-G04(DC) |         | 1/2" Male BSPP (G) |              |       | 17mm | 1.86" (47.4mm) | 3.63oz (103g)  |
| NSC12-02(DC)  | 12mm    | 1/4" Male BSPT (R) | 1            | No    | 15mm | 1.66" (42.3mm) | 1.48oz (42.0g) |
| NSC12-03(DC)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.77" (45.2mm) | 2.29oz (65.0g) |
| NSC12-04(DC)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 1.97" (50.1mm) | 3.66oz (104g)  |
| NSC12-G02(DC) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.66" (42.3mm) | 1.48oz (42.0g) |
| NSC12-G03(DC) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.77" (45.2mm) | 2.29oz (65.0g) |
| NSC12-G04(DC) |         | 1/2" Male BSPP (G) |              |       | 17mm | 1.97" (50.1mm) | 3.66oz (104g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control Dual Axis Swivel Body Elbow – NSS

This item allows for the adjustment of volume passing through the fitting. This allows installers to manage the speed of pneumatic equipment. These fittings are equipped with a single offset push-to-connect port arranged parallel from a male thread, along with a knurled thumb-knob for adjustment.



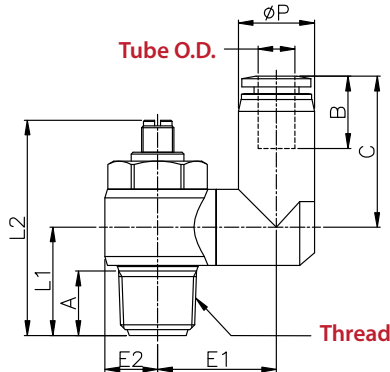
Fractional Tube Sizes

| Model     | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| NSS04-01  | 4mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.39" (35.4mm) | 0.68oz (19.4g) |
| NSS04-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.52" (38.7mm) | 1.27oz (36.1g) |
| NSS04-G01 |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.40" (35.6mm) | 0.32oz (9.20g) |
| NSS04-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.49" (37.9mm) | 0.68oz (19.4g) |
| NSS04-M5  |         | M5 x 0.8           |              |       | 8mm  | 1.17" (29.9mm) | 0.32oz (9.20g) |
| NSS06-01  | 6mm     | 1/8" Male BSPT (R) | 1            | Yes   | 11mm | 1.55" (39.6mm) | 0.74oz (21.1g) |
| NSS06-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.74" (44.3mm) | 1.36oz (38.7g) |
| NSS06-03  |         | 3/8" Male BSPT (R) |              | No    | 19mm | 1.88" (47.8mm) | 2.47oz (70.2g) |
| NSS06-G01 |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.52" (38.7mm) | 0.74oz (21.1g) |
| NSS06-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.71" (43.5mm) | 1.36oz (38.7g) |
| NSS06-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.86" (47.3mm) | 2.47oz (70.2g) |
| NSS06-G04 |         | 1/2" Male BSPP (G) |              |       | N/A  | N/A            | N/A            |
| NSS06-M5  |         | M5 x 0.8           |              | Yes   | 8mm  | 1.25" (32.0mm) | 0.35oz (10.2g) |
| NSS08-01  | 8mm     | 1/8" Male BSPT (R) | 1            | Yes   | 11mm | 1.61" (40.9mm) | 0.77oz (22.1g) |
| NSS08-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.83" (46.7mm) | 1.39oz (39.8g) |
| NSS08-03  |         | 3/8" Male BSPT (R) |              | No    | 19mm | 2.03" (51.7mm) | 2.51oz (71.4g) |
| NSS08-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.20" (55.9mm) | 3.88oz (110g)  |
| NSS08-G01 |         | 1/8" Male BSPP (G) |              | Yes   | 8mm  | 1.55" (39.6mm) | 0.77oz (22.1g) |
| NSS08-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.80" (45.9mm) | 1.40oz (39.8g) |
| NSS08-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.97" (50.1mm) | 2.51oz (71.4g) |
| NSS08-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.05" (52.3mm) | 3.88oz (110g)  |
| NSS10-02  | 10mm    | 1/4" Male BSPT (R) | 1            | Yes   | 15mm | 1.93" (49.1mm) | 1.48oz (42.2g) |
| NSS10-03  |         | 3/8" Male BSPT (R) |              | No    | 19mm | 2.12" (54.1mm) | 2.59oz (73.5g) |
| NSS10-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.35" (59.8mm) | 3.95oz (112g)  |
| NSS10-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.90" (48.3mm) | 1.48oz (42.2g) |
| NSS10-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.06" (52.5mm) | 1.53oz (73.5g) |
| NSS10-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.20" (56.0mm) | 3.95oz (112g)  |
| NSS12-02  | 12mm    | 1/4" Male BSPT (R) | 1            | No    | 15mm | 2.03" (51.8mm) | 1.55oz (44.1g) |
| NSS12-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.23" (56.8mm) | 2.78oz (79.0g) |
| NSS12-04  |         | 1/2" Male BSPT (R) |              | Yes   | 24mm | 2.46" (62.5mm) | 4.05oz (115g)  |
| NSS12-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.00" (51.0mm) | 1.55oz (44.1g) |
| NSS12-G03 |         | 3/8" Male BSPP (G) |              | No    | 14mm | 2.17" (55.2mm) | 2.78oz (79.0g) |
| NSS12-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.31" (58.7mm) | 4.05oz (115g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control Dual Axis Swivel Body Elbow – NSS (D)

This item allows for the adjustment of flow passing through, enabling installers to manage the speed of pneumatic equipment. These fittings are equipped with a single offset push-to-connect port arranged parallel from a male thread, along with a slotted knob for adjustment.



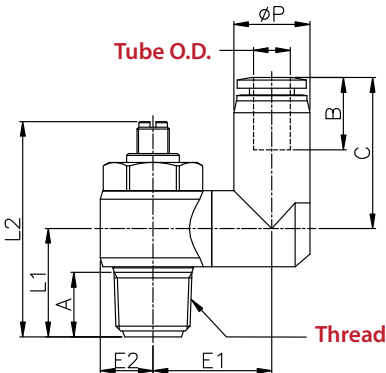
Metric Tube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| NSS04-01(D)  | 4mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.39" (35.4mm) | 0.68oz (19.4g) |
| NSS04-02(D)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.52" (38.7mm) | 1.27oz (36.1g) |
| NSS04-G01(D) |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.40" (35.6mm) | 0.70oz (20.0g) |
| NSS04-G02(D) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.49" (37.9mm) | 1.19oz (34.0g) |
| NSS04-M5(D)  |         | M5 x 0.8           |              |       | 8mm  | 1.17" (29.9mm) | 0.32oz (9.20g) |
| NSS06-01(D)  | 6mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.55" (39.6mm) | 0.74oz (21.1g) |
| NSS06-02(D)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.74" (44.3mm) | 1.36oz (38.7g) |
| NSS06-03(D)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.88" (47.8mm) | 2.47oz (70.2g) |
| NSS06-G01(D) |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.52" (38.7mm) | 0.70oz (20.0g) |
| NSS06-G02(D) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.71" (43.5mm) | 1.26oz (36.0g) |
| NSS06-G03(D) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.86" (47.3mm) | 2.39oz (68.0g) |
| NSS06-M5(D)  |         | M5 x 0.8           |              |       | 8mm  | 1.25" (32.0mm) | 0.35oz (10.2g) |
| NSS08-01(D)  | 8mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.59" (40.5mm) | 0.77oz (22.1g) |
| NSS08-02(D)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.83" (46.7mm) | 1.40oz (39.8g) |
| NSS08-03(D)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.03" (51.7mm) | 2.51oz (71.4g) |
| NSS08-04(D)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.20" (55.9mm) | 3.88oz (110g)  |
| NSS08-G01(D) |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.55" (39.6mm) | 0.77oz (22.0g) |
| NSS08-G02(D) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.80" (45.9mm) | 1.30oz (37.0g) |
| NSS08-G03(D) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.97" (50.1mm) | 2.43oz (69.0g) |
| NSS08-G04(D) |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.05" (52.3mm) | 3.66oz (104g)  |
| NSS10-02(D)  | 10mm    | 1/4" Male BSPT (R) | 1            | No    | 15mm | 1.93" (49.1mm) | 1.48oz (42.2g) |
| NSS10-03(D)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.12" (54.1mm) | 2.59oz (73.5g) |
| NSS10-04(D)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.35" (59.8mm) | 3.95oz (112g)  |
| NSS10-G02(D) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.90" (48.3mm) | 3.88oz (41.0g) |
| NSS10-G03(D) |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.06" (52.5mm) | 1.44oz (71.0g) |
| NSS10-G04(D) |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.20" (56.0mm) | 3.74oz (106g)  |
| NSS12-02(D)  | 12mm    | 1/4" Male BSPT (R) | 1            | No    | 15mm | 2.03" (51.8mm) | 1.55oz (44.1g) |
| NSS12-03(D)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.23" (56.8mm) | 2.78oz (79.0g) |
| NSS12-04(D)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.46" (62.5mm) | 4.05oz (115g)  |
| NSS12-G02(D) |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.00" (51.0mm) | 1.51oz (43.0g) |
| NSS12-G03(D) |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.17" (55.2mm) | 2.50oz (71.0g) |
| NSS12-G04(D) |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.31" (58.7mm) | 3.80oz (108g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control Dual Axis Swivel Body Elbow – NSS (DC)

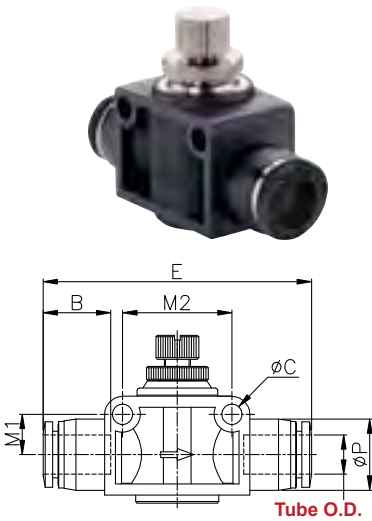
This item allows for the adjustment of flow passing through the fitting. This allows installers to manage the speed of pneumatic equipment. These fittings are equipped with a single offset push-to-connect port arranged parallel from a male thread, along with a recessed slotted knob for adjustment.



Metric Tube Sizes

| Model         | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|---------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| NSS04-01(DC)  | 4mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.39" (35.4mm) | 0.56oz (16.0g) |
| NSS04-02(DC)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.52" (38.7mm) | 1.22oz (35.0g) |
| NSS04-G01(DC) |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.40" (35.6mm) | 0.56oz (16.0g) |
| NSS04-G02(DC) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.49" (37.9mm) | 1.23oz (35.0g) |
| NSS04-M5(DC)  |         | M5 x 0.8           |              |       | 8mm  | 1.17" (29.9mm) | 0.24oz (7.00g) |
| NSS06-01(DC)  | 6mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.55" (39.6mm) | 0.63oz (18.0g) |
| NSS06-02(DC)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.74" (44.3mm) | 1.16oz (33.0g) |
| NSS06-03(DC)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 1.88" (47.8mm) | 2.22oz (63.0g) |
| NSS06-G01(DC) |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.52" (38.7mm) | 0.63oz (18.0g) |
| NSS06-G02(DC) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.71" (43.5mm) | 1.16oz (33.0g) |
| NSS06-G03(DC) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.86" (47.3mm) | 2.22oz (63.0g) |
| NSS06-M5(DC)  |         | M5 x 0.8           |              |       | 8mm  | 1.25" (32.0mm) | 0.31oz (9.00g) |
| NSS08-01(DC)  | 8mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 1.59" (40.5mm) | 0.70oz (20.0g) |
| NSS08-02(DC)  |         | 1/4" Male BSPT (R) |              |       | 15mm | 1.83" (46.7mm) | 1.19oz (34.0g) |
| NSS08-03(DC)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.03" (51.7mm) | 2.25oz (64.0g) |
| NSS08-04(DC)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.20" (55.9mm) | 3.52oz (100g)  |
| NSS08-G01(DC) |         | 1/8" Male BSPP (G) |              |       | 8mm  | 1.55" (39.6mm) | 0.70oz (20.0g) |
| NSS08-G02(DC) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.80" (45.9mm) | 1.19oz (34.0g) |
| NSS08-G03(DC) |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.97" (50.1mm) | 2.25oz (64.0g) |
| NSS08-G04(DC) |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.05" (52.3mm) | 3.52oz (100g)  |
| NSS10-02(DC)  | 10mm    | 1/4" Male BSPT (R) | 1            | No    | 15mm | 1.93" (49.1mm) | 1.34oz (38.0g) |
| NSS10-03(DC)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.12" (54.1mm) | 2.22oz (63.0g) |
| NSS10-04(DC)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.35" (59.8mm) | 3.63oz (103g)  |
| NSS10-G02(DC) |         | 1/4" Male BSPP (G) |              |       | 12mm | 1.90" (48.3mm) | 1.34oz (38.0g) |
| NSS10-G03(DC) |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.06" (52.5mm) | 2.22oz (63.0g) |
| NSS10-G04(DC) |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.20" (56.0mm) | 3.52oz (100g)  |
| NSS12-02(DC)  | 12mm    | 1/4" Male BSPT (R) | 1            | No    | 15mm | 2.03" (51.8mm) | 1.48oz (42.0g) |
| NSS12-03(DC)  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.36" (56.8mm) | 2.29oz (65.0g) |
| NSS12-04(DC)  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.46" (62.5mm) | 3.66oz (104g)  |
| NSS12-G02(DC) |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.00" (51.0mm) | 1.48oz (42.0g) |
| NSS12-G03(DC) |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.17" (55.2mm) | 2.29oz (65.0g) |
| NSS12-G04(DC) |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.31" (58.7mm) | 3.66oz (104g)  |

# Technifit™ Push-to-Connect Fittings



## Flow Control Inline Union – NSF

This item allows for the adjustment of flow passing through, enabling installers to manage the speed of pneumatic equipment. These fittings are equipped with a two opposing push-to-connect ports, along with a thumb-knob for adjustment.

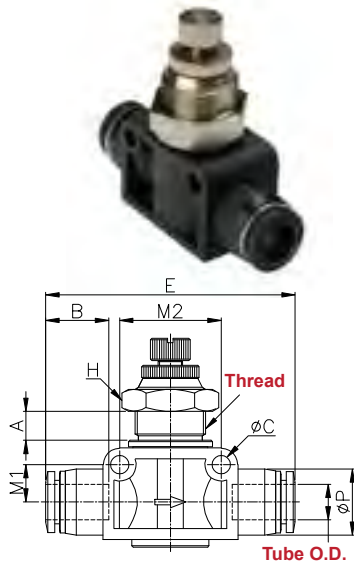
### Fractional Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| NSF5/32 | 5/32"     | 5/32"     | 1            | Yes   | 1.65" (42.1mm) | 0.47oz (13.6g) |
| NSF3/16 | 3/16"     | 3/16"     | 1            | Yes   | 1.68" (42.9mm) | 0.47oz (13.4g) |
| NSF1/4  | 1/4"      | 1/4"      | 1            | Yes   | 1.97" (50.1mm) | 1.03oz (29.4g) |
| NSF5/16 | 5/16"     | 5/16"     | 1            | Yes   | 2.22" (56.6mm) | 1.67oz (47.4g) |
| NSF3/8  | 3/8"      | 3/8"      | 1            | Yes   | 2.48" (63.0mm) | 2.97oz (84.4g) |
| NSF1/2  | 1/2"      | 1/2"      | 1            | Yes   | 2.90" (73.9mm) | 4.37oz (124g)  |



### Metric Tube Sizes

| Model | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------|-----------|-----------|--------------|-------|----------------|----------------|
| NSF04 | 4mm       | 4mm       | 1            | No    | 1.65" (42.0mm) | 0.45oz (13.0g) |
| NSF06 | 6mm       | 6mm       | 1            | Yes   | 1.94" (49.5mm) | 0.98oz (28.0g) |
| NSF08 | 8mm       | 8mm       | 1            | No    | 2.22" (56.5mm) | 1.58oz (45.0g) |
| NSF10 | 10mm      | 10mm      | 1            | Yes   | 2.48" (63.1mm) | 2.96oz (84.0g) |
| NSF12 | 12mm      | 12mm      | 1            | Yes   | 2.89" (73.5mm) | 4.33oz (123g)  |



## Flow Control Bulkhead Inline Union – NSFB

This item allows for the adjustment of flow passing through, enabling installers to manage the speed of pneumatic equipment. These fittings are equipped with a two opposing push-to-connect ports, along with a thumb-knob for adjustment. A threaded stem along with a nut allow for mounting through panels.

### Fractional Tube Sizes

| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------|-----------|-----------|--------------|-------|------|----------------|----------------|
| NSFB5/32 | 5/32"     | 5/32"     | 1            | No    | 12mm | 1.65" (42.1mm) | 0.63oz (18.0g) |
| NSFB3/16 | 3/16"     | 3/16"     | 1            | No    | 12mm | 1.68" (42.9mm) | 0.63oz (18.0g) |
| NSFB1/4  | 1/4"      | 1/4"      | 1            | No    | 17mm | 1.97" (50.1mm) | 1.30oz (37.0g) |
| NSFB5/16 | 5/16"     | 5/16"     | 1            | Yes   | 19mm | 2.22" (56.6mm) | 2.36oz (67.0g) |
| NSFB3/8  | 3/8"      | 3/8"      | 1            | No    | 22mm | 2.48" (63.0mm) | 3.88oz (110g)  |
| NSFB1/2  | 1/2"      | 1/2"      | 1            | No    | 24mm | 2.90" (73.9mm) | 5.32oz (151g)  |



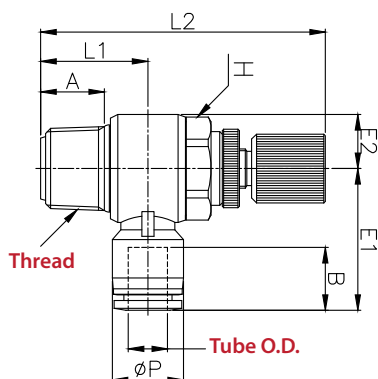
### Metric Tube Sizes

| Model  | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------|-----------|-----------|--------------|-------|------|----------------|----------------|
| NSFB04 | 4mm       | 4mm       | 1            | No    | 12mm | 1.65" (42.0mm) | 0.63oz (18.0g) |
| NSFB06 | 6mm       | 6mm       | 1            | No    | 17mm | 1.94" (49.5mm) | 1.30oz (37.0g) |
| NSFB08 | 8mm       | 8mm       | 1            | No    | 19mm | 2.22" (56.5mm) | 2.36oz (67.0g) |
| NSFB10 | 10mm      | 10mm      | 1            | No    | 22mm | 2.48" (63.1mm) | 3.88oz (110g)  |
| NSFB12 | 12mm      | 12mm      | 1            | No    | 24mm | 2.89" (73.5mm) | 5.32oz (151g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control Elbow with Releasing Residual Pressure Valve – NSCP

These Swivel Flow Control Elbows feature a single push-to-connect port arranged 90° from a swivel male thread. A valve allows users to release residual pressure in the downward pneumatic circuit

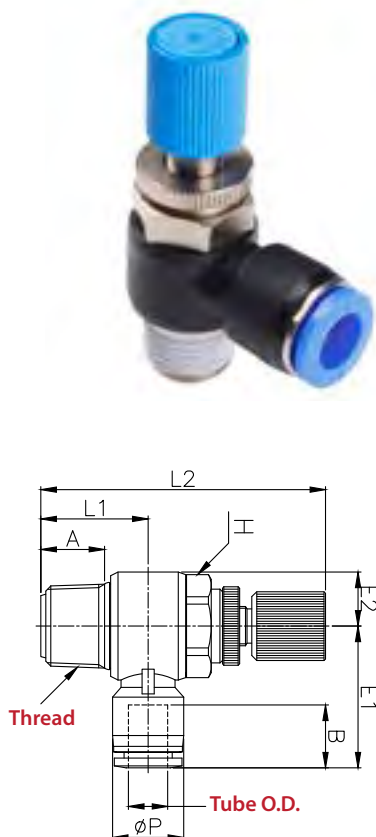


Fractional Tube Sizes

| Model       | Tube OD | Thread             | Package Qty. | Stock | Hex    | Length         | Weight |
|-------------|---------|--------------------|--------------|-------|--------|----------------|--------|
| NSCP5/32-N1 | 5/32"   | 1/8" Male NPT      | 1            | No    | 7/16"  | 2.26" (57.6mm) | NA     |
| NSCP5/32-N2 |         | 1/4" Male NPT      |              |       | 19/32" | 2.24" (57.1mm) |        |
| NSCP3/16-N1 | 3/16"   | 1/8" Male NPT      | 1            | No    | 7/16"  | 2.26" (57.6mm) | NA     |
| NSCP3/16-N2 |         | 1/4" Male NPT      |              |       | 19/32" | 2.24" (57.1mm) |        |
| NSCP3/16-N3 |         | 3/8" Male NPT      |              |       | 3/4"   | 2.53" (64.4mm) |        |
| NSCP1/4-N1  | 1/4"    | 1/8" Male NPT      | 1            | No    | 7/16"  | 2.26" (57.6mm) | NA     |
| NSCP1/4-N2  |         | 1/4" Male NPT      |              |       | 19/32" | 2.24" (57.1mm) |        |
| NSCP1/4-N3  |         | 3/8" Male NPT      |              |       | 3/4"   | 2.53" (64.4mm) |        |
| NSCP1/4-01  |         | 1/8" Male BSPT (R) |              |       | 11mm   | 2.26" (57.6mm) |        |
| NSCP1/4-02  |         | 1/4" Male BSPT (R) |              |       | 15mm   | 2.24" (57.1mm) |        |
| NSCP5/16-N1 | 5/16"   | 1/8" Male NPT      | 1            | No    | 7/16"  | 2.26" (57.6mm) | NA     |
| NSCP5/16-N2 |         | 1/4" Male NPT      |              |       | 19/32" | 2.24" (57.1mm) |        |
| NSCP5/16-N3 |         | 3/8" Male NPT      |              |       | 3/4"   | 2.53" (64.4mm) |        |
| NSCP5/16-N4 |         | 1/2" Male NPT      |              |       | 15/16" | 2.77" (70.6mm) |        |
| NSCP5/16-01 |         | 1/8" Male BSPT (R) |              |       | 11mm   | 2.26" (57.6mm) |        |
| NSCP5/16-02 |         | 1/4" Male BSPT (R) |              |       | 15mm   | 2.24" (57.1mm) |        |
| NSCP5/16-03 |         | 3/8" Male BSPT (R) |              |       | 19mm   | 2.53" (64.4mm) |        |
| NSCP3/8-N2  | 3/8"    | 1/4" Male NPT      | 1            | No    | 19/32" | 2.24" (57.1mm) | NA     |
| NSCP3/8-N3  |         | 3/8" Male NPT      |              |       | 3/4"   | 2.53" (64.4mm) |        |
| NSCP3/8-N4  |         | 1/2" Male NPT      |              |       | 15/16" | 2.77" (70.6mm) |        |
| NSCP3/8-02  |         | 1/4" Male BSPT (R) |              |       | 15mm   | 2.24" (57.1mm) |        |
| NSCP3/8-03  |         | 3/8" Male BSPT (R) |              |       | 19mm   | 2.53" (64.4mm) |        |
| NSCP1/2-N3  | 1/2"    | 3/8" Male NPT      | 1            | No    | 3/4"   | 2.53" (64.4mm) | NA     |
| NSCP1/2-N4  |         | 1/2" Male NPT      |              |       | 15/16" | 2.77" (70.6mm) |        |

# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control Elbow with Releasing Residual Pressure Valve – NSCP (Continued)



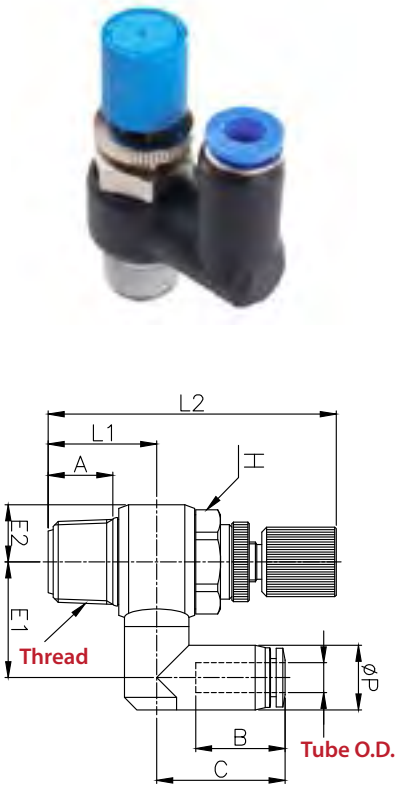
### Metric Tube Sizes

| Model      | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| NSCP04-01  | 4mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 2.26" (57.6mm) | 1.02oz (29.1g) |
| NSCP04-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 2.24" (57.1mm) | 1.41oz (40.2g) |
| NSCP04-G01 |         | 1/8" Male BSPP (G) |              |       | 11mm | 2.26" (57.6mm) | 1.06oz (30.3g) |
| NSCP04-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.24" (57.1mm) | 1.37oz (39.0g) |
| NSCP06-01  | 6mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 2.26" (57.6mm) | 1.05oz (29.8g) |
| NSCP06-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 2.24" (57.1mm) | 1.44oz (41.1g) |
| NSCP06-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.53" (64.4mm) | 2.31oz (65.7g) |
| NSCP06-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.77" (70.6mm) | 3.63oz (103g)  |
| NSCP06-G01 |         | 1/8" Male BSPP (G) |              |       | 11mm | 2.26" (57.6mm) | 1.09oz (31.1g) |
| NSCP06-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.24" (57.1mm) | 1.40oz (39.7g) |
| NSCP06-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.53" (64.4mm) | 2.24oz (63.7g) |
| NSCP06-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.77" (70.6mm) | 3.43oz (97.5g) |
| NSCP08-01  | 8mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 2.26" (57.6mm) | 1.08oz (30.8g) |
| NSCP08-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 2.24" (57.1mm) | 1.48oz (42.1g) |
| NSCP08-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.53" (64.4mm) | 2.34oz (66.6g) |
| NSCP08-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.77" (70.6mm) | 3.63oz (103g)  |
| NSCP08-G01 |         | 1/8" Male BSPP (G) |              |       | 11mm | 2.26" (57.6mm) | 1.12oz (32.0g) |
| NSCP08-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.24" (57.1mm) | 1.43oz (40.8g) |
| NSCP08-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.53" (64.4mm) | 2.28oz (64.7g) |
| NSCP08-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.77" (70.6mm) | 3.47oz (98.5g) |
| NSCP10-01  | 10mm    | 1/8" Male BSPT (R) | 1            | No    | 11mm | 2.26" (57.6mm) | 1.14oz (32.6g) |
| NSCP10-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 2.24" (57.1mm) | 1.54oz (43.9g) |
| NSCP10-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.53" (64.4mm) | 2.40oz (68.3g) |
| NSCP10-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.77" (70.6mm) | 3.70oz (105g)  |
| NSCP10-G01 |         | 1/8" Male BSPP (G) |              |       | 11mm | 2.26" (57.6mm) | 1.19oz (33.8g) |
| NSCP10-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.24" (57.1mm) | 1.49oz (42.5g) |
| NSCP10-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.53" (64.4mm) | 2.33oz (66.3g) |
| NSCP10-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.77" (70.6mm) | 3.52oz (99.8g) |
| NSCP12-02  | 12mm    | 1/8" Male BSPT (R) | 1            | No    | 15mm | 2.24" (57.1mm) | 1.65oz (46.9g) |
| NSCP12-03  |         | 1/4" Male BSPT (R) |              |       | 19mm | 2.53" (64.4mm) | 2.50oz (71.1g) |
| NSCP12-04  |         | 3/8" Male BSPT (R) |              |       | 24mm | 2.77" (70.6mm) | 3.77oz (107g)  |
| NSCP12-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.24" (57.1mm) | 1.60oz (45.4g) |
| NSCP12-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.53" (64.4mm) | 2.43oz (69.0g) |
| NSCP12-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.77" (70.6mm) | 3.59oz (102g)  |

# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control with Releasing Residual Pressure Valve – NSSP

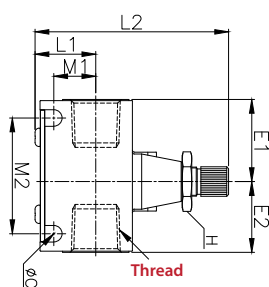
These Swivel Flow Control Elbows feature a single offset push-to-connect port arranged parallel to a swivel male thread. A valve allows users to release residual pressure in the downward pneumatic circuit.



Metric Tube Sizes

| Model      | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight |
|------------|---------|--------------------|--------------|-------|------|----------------|--------|
| NSSP04-01  | 4mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 2.26" (57.6mm) | NA     |
| NSSP04-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 2.24" (57.1mm) |        |
| NSSP04-G01 |         | 1/8" Male BSPP (G) |              |       | 11mm | 2.26" (57.6mm) |        |
| NSSP04-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.24" (57.1mm) |        |
| NSSP06-01  | 6mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 2.26" (57.6mm) | NA     |
| NSSP06-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 2.24" (57.1mm) |        |
| NSSP06-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.53" (64.4mm) |        |
| NSSP06-G01 |         | 1/8" Male BSPP (G) |              |       | 11mm | 2.26" (57.6mm) |        |
| NSSP06-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.24" (57.1mm) |        |
| NSSP06-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.53" (64.4mm) |        |
| NSSP08-01  | 8mm     | 1/8" Male BSPT (R) | 1            | No    | 11mm | 2.26" (57.6mm) | NA     |
| NSSP08-02  |         | 1/4" Male BSPT (R) |              |       | 15mm | 2.24" (57.1mm) |        |
| NSSP08-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.53" (64.4mm) |        |
| NSSP08-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.77" (70.6mm) |        |
| NSSP08-G01 |         | 1/8" Male BSPP (G) |              |       | 11mm | 2.26" (57.6mm) |        |
| NSSP08-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.24" (57.1mm) |        |
| NSSP08-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.53" (64.4mm) |        |
| NSSP08-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.77" (70.6mm) |        |
| NSSP10-02  | 10mm    | 1/4" Male BSPT (R) | 1            | No    | 15mm | 2.24" (57.1mm) | NA     |
| NSSP10-03  |         | 3/8" Male BSPT (R) |              |       | 19mm | 2.53" (64.4mm) |        |
| NSSP10-04  |         | 1/2" Male BSPT (R) |              |       | 24mm | 2.77" (70.6mm) |        |
| NSSP10-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.24" (57.1mm) |        |
| NSSP10-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.53" (64.4mm) |        |
| NSSP10-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.77" (70.6mm) |        |
| NSSP12-02  | 12mm    | 1/8" Male BSPT (R) | 1            | No    | 15mm | 2.24" (57.1mm) | NA     |
| NSSP12-03  |         | 1/4" Male BSPT (R) |              |       | 19mm | 2.53" (64.4mm) |        |
| NSSP12-04  |         | 3/8" Male BSPT (R) |              |       | 24mm | 2.77" (70.6mm) |        |
| NSSP12-G02 |         | 1/4" Male BSPP (G) |              |       | 12mm | 2.24" (57.1mm) |        |
| NSSP12-G03 |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.53" (64.4mm) |        |
| NSSP12-G04 |         | 1/2" Male BSPP (G) |              |       | 17mm | 2.77" (70.6mm) |        |

# Technifit™ Push-to-Connect Fittings

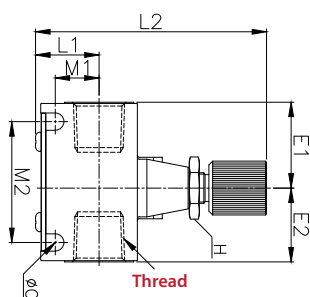


## Metal Body Flow Control – NSFF

Metal Body Flow Controls feature a sturdy, rugged construction with opposing threads.

**BSP Thread Sizes**

| Model          | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------------|--------------------|--------------|-------|------|----------------|----------------|
| <b>NSFF-01</b> | 1/8" Male BSPT (R) | 1            | No    | 12mm | 2.15" (54.8mm) | 2.99oz (84.9g) |
| <b>NSFF-02</b> | 1/4" Male BSPT (R) | 1            | No    | 12mm | 2.27" (57.7mm) | 4.09oz (116g)  |
| <b>NSFF-03</b> | 3/8" Male BSPT (R) | 1            | No    | 12mm | 2.74" (69.7mm) | 4.16oz (118g)  |
| <b>NSFF-04</b> | 1/2" Male BSPT (R) | 1            | No    | 29mm | 3.03" (77.0mm) | 6.20oz (176g)  |



## Metal Body Flow Control with Exhaust Valve – NSFP

Metal Body Flow Controls feature a sturdy, rugged construction, a venting function, and opposing threads.

**BSP Thread Sizes**

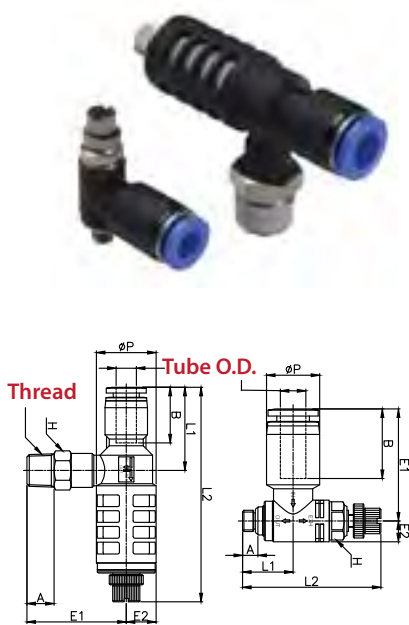
| Model          | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------------|----------------------|--------------|-------|------|----------------|----------------|
| <b>NSFP-01</b> | 1/8" Female BSPT (R) | 1            | No    | 12mm | 2.44" (62.2mm) | 3.06oz (86.8g) |
| <b>NSFP-02</b> | 1/4" Female BSPT (R) | 1            | No    | 14mm | 2.57" (65.5mm) | 4.16oz (118g)  |
| <b>NSFP-03</b> | 3/8" Female BSPT (R) | 1            | No    | 14mm | 3.06" (77.9mm) | 4.23oz (120g)  |
| <b>NSFP-04</b> | 1/2" Female BSPT (R) | 1            | No    | 29mm | 3.17" (80.6mm) | 6.45oz (183g)  |

# Technifit™ Push-to-Connect Fittings

## Flow Control with Quick Exhaust Valve – ESC

Metric Tube Sizes

| Model      | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |  |  |
|------------|---------|--------------------|--------------|-------|------|----------------|----------------|--|--|
| ESC04-M3   | 4mm     | M3 x 0.5           | 1            | No    | 8mm  | 1.20" (30.7mm) | 0.40oz (11.4g) |  |  |
| ESC04-M5   |         | M5 x 0.8           |              |       |      | 1.20" (30.7mm) | 0.39oz (11.3g) |  |  |
| ESC06-S-01 | 6mm     | 1/8" Male BSPT (R) | 1            | No    | 10mm | 2.87" (72.0mm) | 0.75oz (21.5g) |  |  |
| ESC06-S-02 |         | 1/4" Male BSPT (R) |              |       | 14mm | 2.87" (72.0mm) | 0.92oz (26.3g) |  |  |
| ESC06-M5   |         | M5 x 0.8           |              |       | 8mm  | 1.23" (31.3mm) | 0.43oz (12.3g) |  |  |
| ESC08-S-01 | 8mm     | 1/8" Male BSPT (R) | 1            | No    | 10mm | 2.82" (71.7mm) | 0.79oz (22.5g) |  |  |
| ESC08-M-01 |         |                    |              |       | 14mm | 3.24" (82.3mm) | 1.41oz (40.0g) |  |  |
| ESC08-S-02 |         | 1/4" Male BSPT (R) |              |       | 14mm | 2.82" (71.7mm) | 0.84oz (24.0g) |  |  |
| ESC08-M-02 |         |                    |              |       | 14mm | 3.24" (82.3mm) | 1.51oz (42.9g) |  |  |
| ESC08-M-03 |         |                    |              |       | 17mm | 3.24" (82.3mm) | 1.71oz (48.5g) |  |  |
| ESC10-M-01 | 10mm    | 1/8" Male BSPT (R) | 1            | No    | 14mm | 3.31" (84.1mm) | 1.47oz (41.7g) |  |  |
| ESC10-M-02 |         | 1/4" Male BSPT (R) |              |       |      | 3.31" (84.1mm) | 1.57oz (44.7g) |  |  |
| ESC10-L-02 |         | 3/8" Male BSPT (R) |              |       | 19mm | 3.48" (88.6mm) | 1.77oz (72.5g) |  |  |
| ESC10-M-03 |         |                    |              |       | 17mm | 3.31" (84.1mm) | 2.55oz (50.2g) |  |  |
| ESC10-L-03 |         | 1/2" Male BSPT (R) |              |       | 19mm | 3.48" (88.6mm) | 2.69oz (76.5g) |  |  |
| ESC10-L-04 |         |                    |              |       | 21mm | 3.48" (88.6mm) | 3.01oz (85.2g) |  |  |
| ESC12-L-02 | 12mm    | 1/4" Male BSPT (R) | 1            | No    | 19mm | 3.60" (91.6mm) | 2.65oz (75.2g) |  |  |
| ESC12-L-03 |         | 3/8" Male BSPT (R) |              |       |      | 3.60" (91.6mm) | 2.79oz (79.2g) |  |  |
| ESC12-L-04 |         | 1/2" Male BSPT (R) |              |       | 21mm | 3.60" (91.6mm) | 3.10oz (88.1g) |  |  |

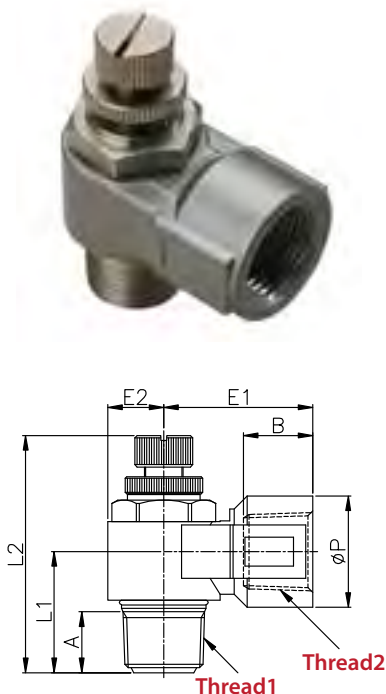


## Metal Body Swivel Flow Control Elbow – NSCF

Metal Body Swivel Flow Control Elbows provide durable construction with two opposing threaded ports.

BSP Thread Sizes

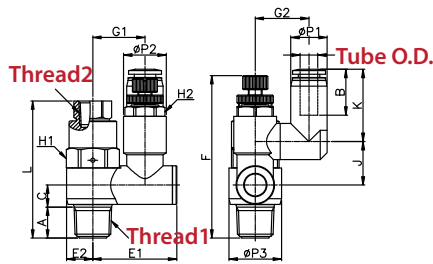
| Model  | Thread 1           | Thread 2             | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------|--------------------|----------------------|--------------|-------|------|----------------|----------------|
| NSCF01 | 1/8" Male BSPT (R) | 1/8" Female BSPT (R) | 1            | No    | 15mm | 1.00" (25.5mm) | 1.06oz (30.1g) |
| NSCF02 | 1/4" Male BSPT (R) | 1/4" Female BSPT (R) | 1            | No    | 19mm | 1.41" (36.0mm) | 2.12oz (60.2g) |
| NSCF03 | 3/8" Male BSPT (R) | 3/8" Female BSPT (R) | 1            | No    | 24mm | 1.66" (42.4mm) | 3.77oz (107g)  |
| NSCF04 | 1/2" Male BSPT (R) | 1/2" Female BSPT (R) | 1            | No    | 28mm | 2.07" (52.7mm) | 5.99oz (170g)  |



# Technifit™ Push-to-Connect Fittings

## Swivel Flow Control with Pilot Check Valve – PVSC

These Swivel Flow Control fittings have a pilot controlled check valve, allowing a remote signal line to control its function. An offset push-to-control port is opposed to a male thread.



### Metric Tube Sizes

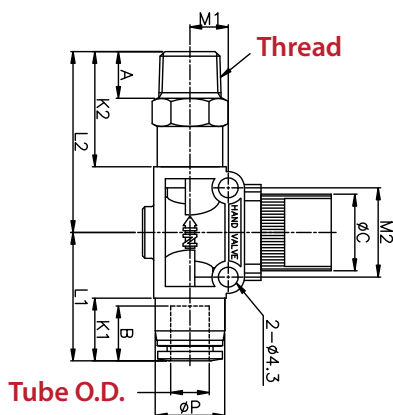
| Model      | Tube OD | Thread 1           | Thread 2             | Package Qty. | Stock | Hex  | Length         | Weight         |
|------------|---------|--------------------|----------------------|--------------|-------|------|----------------|----------------|
| PVSC06-01  | 6mm     | 1/8" Male BSPT (R) | M5 x 0.8 Female      | 1            | No    | 12mm | 2.18" (55.4mm) | 1.40oz (39.6g) |
| PVSC06-02  |         | 1/4" Male BSPT (R) | 1/8" Female BSPT (R) |              |       | 17mm | 2.43" (61.9mm) | 2.51oz (71.4g) |
| PVSC06-G01 |         | 1/8" Male BSPP (G) | M5 x 0.8             |              |       | 12mm | 2.18" (55.4mm) | 1.57oz (44.6g) |
| PVSC06-G02 |         | 1/4" Male BSPP (G) | 1/8" Female BSPT (R) |              |       | 17mm | 2.43" (61.9mm) | 2.80oz (79.4g) |
| PVSC08-01  | 8mm     | 1/8" Male BSPT (R) | M5 x 0.8             | 1            | No    | 12mm | 2.18" (55.4mm) | 1.46oz (41.6g) |
| PVSC08-02  |         | 1/4" Male BSPT (R) | 1/8" Female BSPT (R) |              |       | 17mm | 2.43" (61.9mm) | 2.69oz (76.4g) |
| PVSC08-03  |         | 3/8" Male BSPT (R) | 1/8" Female BSPT (R) |              |       | 19mm | 2.84" (72.2mm) | 4.51oz (128g)  |
| PVSC08-G01 |         | 1/8" Male BSPP (G) | M5 x 0.8             |              |       | 12mm | 2.18" (55.4mm) | 1.50oz (42.6g) |
| PVSC08-G02 |         | 1/4" Male BSPP (G) | 1/8" Female BSPP (G) |              |       | 17mm | 2.43" (61.9mm) | 2.83oz (80.4g) |
| PVSC08-G03 |         | 3/8" Male BSPP (G) | 1/8" Female BSPP (G) |              |       | 19mm | 2.84" (72.2mm) | 4.37oz (124g)  |
| PVSC10-03  | 10mm    | 3/8" Male BSPT (R) | 1/8" Female BSPT (R) | 1            | No    | 19mm | 2.84" (72.2mm) | 4.58oz (130g)  |
| PVSC10-04  |         | 1/2" Male BSPT (R) | 1/4" Female BSPT (R) |              |       | 24mm | 3.42" (87.0mm) | 8.60oz (244g)  |
| PVSC10-G03 |         | 3/8" Male BSPP (G) | 1/8" Female BSPP (G) |              |       | 19mm | 2.84" (72.2mm) | 4.83oz (137g)  |
| PVSC10-G04 |         | 1/2" Male BSPP (G) | 1/4" Female BSPP (G) |              |       | 24mm | 3.09" (78.5mm) | 8.88oz (252g)  |
| PVSC12-03  | 12mm    | 3/8" Male BSPT (R) | 1/8" Female BSPT (R) | 1            | No    | 19mm | 2.84" (72.2mm) | 4.86oz (138g)  |
| PVSC12-04  |         | 1/2" Male BSPT (R) | 1/4" Female BSPT (R) |              |       | 24mm | 3.42" (87.0mm) | 8.25oz (234g)  |
| PVSC12-G03 |         | 3/8" Male BSPP (G) | 1/8" Female BSPP (G) |              |       | 19mm | 2.84" (72.2mm) | 5.11oz (145g)  |
| PVSC12-G04 |         | 1/2" Male BSPP (G) | 1/4" Female BSPP (G) |              |       | 24mm | 3.09" (78.5mm) | 8.35oz (238g)  |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Hand Valves

### Straight “A” Hand Valve – HVC

Featuring a push-to-connect port opposed to a male thread, Straight Hand Valves allow users to stop the flow of air. “A” Models feature a push-to-connect port on the inlet.



Fractional Tube Sizes

| Model      | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|------------|---------|---------------|--------------|-------|--------|----------------|----------------|
| HVC1/4-N1  | 1/4"    | 1/8" Male NPT | 1            | No    | 9/16"  | 2.50" (63.6mm) | 1.08oz (30.7g) |
| HVC1/4-N2  |         | 1/4" Male NPT |              |       |        | 2.58" (65.6mm) | 1.36oz (38.7g) |
| HVC1/4-N3  |         | 3/8" Male NPT |              |       | 11/16" | 2.62" (66.6mm) | 1.61oz (45.7g) |
| HVC5/16-N1 | 5/16"   | 1/8" Male NPT | 1            | No    | 9/16"  | 2.54" (64.6mm) | 1.22oz (34.7g) |
| HVC5/16-N2 |         | 1/4" Male NPT |              |       |        | 2.62" (66.6mm) | 1.36oz (38.7g) |
| HVC5/16-N3 |         | 3/8" Male NPT |              |       | 11/16" | 2.66" (67.6mm) | 1.64oz (46.7g) |
| HVC3/8-N2  | 3/8"    | 1/4" Male NPT | 1            | No    | 11/16" | 2.79" (70.9mm) | 2.12oz (60.2g) |
| HVC3/8-N3  |         | 3/8" Male NPT |              |       |        | 2.83" (71.9mm) | 2.72oz (77.2g) |
| HVC3/8-N4  |         | 1/2" Male NPT |              |       | 7/8"   | 2.94" (74.9mm) | 2.61oz (74.2g) |
| HVC1/2-N2  | 1/2"    | 1/4" Male NPT | 1            | No    | 3/4"   | 2.98" (75.9mm) | 2.43oz (69.0g) |
| HVC1/2-N3  |         | 3/8" Male NPT |              |       |        | 3.02" (76.9mm) | 2.96oz (84.0g) |
| HVC1/2-N4  |         | 1/2" Male NPT |              |       | 7/8"   | 3.14" (79.9mm) | 3.13oz (89.0g) |

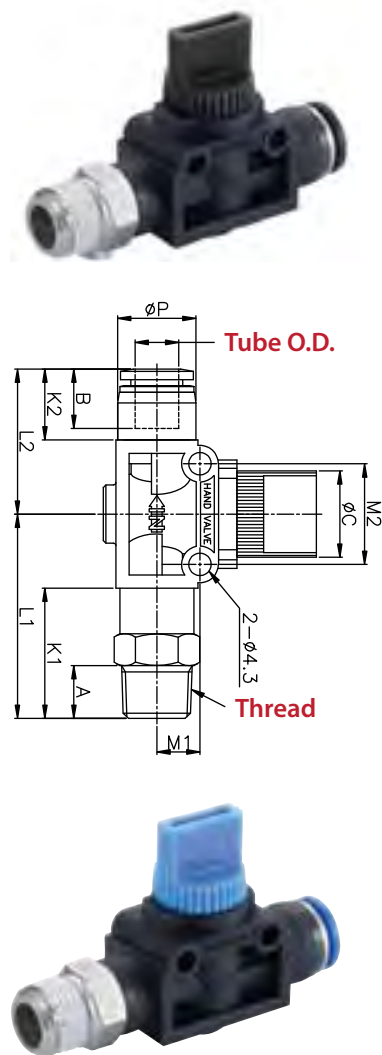
Metric Tube Sizes

| Model      | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| HVC-01-06  | 6mm     | 1/8" Male BSPT (R) | 1            | No    | 14mm | 2.43" (61.8mm) | 1.30oz (37.0g) |
| HVC-02-06  |         | 1/4" Male BSPT (R) |              |       |      | 2.55" (64.8mm) |                |
| HVC-03-06  |         | 3/8" Male BSPT (R) |              |       | 17mm | 2.59" (65.8mm) | 1.65oz (47.0g) |
| HVC-G01-06 |         | 1/8" Male BSPP (G) |              |       | 14mm | 2.31" (58.8mm) | 1.30oz (37.0g) |
| HVC-G02-06 |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) |                |
| HVC-G03-06 |         | 3/8" Male BSPP (G) |              |       | 20mm | 2.37" (60.3mm) | 1.65oz (47.0g) |
| HVC-01-08  | 8mm     | 1/8" Male BSPT (R) | 1            | No    | 14mm | 2.48" (63.0mm) | 1.23oz (35.0g) |
| HVC-02-08  |         | 1/4" Male BSPT (R) |              |       |      | 2.59" (66.0mm) | 1.44oz (41.0g) |
| HVC-03-08  |         | 3/8" Male BSPT (R) |              |       | 17mm | 2.63" (67.0mm) | 1.69oz (48.0g) |
| HVC-G01-08 |         | 1/8" Male BSPP (G) |              |       | 14mm | 2.36" (60.0mm) | 1.23oz (35.0g) |
| HVC-G02-08 |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.44" (62.0mm) | 1.44oz (41.0g) |
| HVC-G03-08 |         | 3/8" Male BSPP (G) |              |       | 20mm | 2.42" (61.5mm) | 1.69oz (48.0g) |
| HVC-02-10  | 10mm    | 1/4" Male BSPT (R) | 1            | No    | 17mm | 2.77" (70.5mm) | 2.04oz (58.0g) |
| HVC-03-10  |         | 3/8" Male BSPT (R) |              |       |      | 2.81" (71.5mm) | 2.15oz (61.0g) |
| HVC-04-10  |         | 1/2" Male BSPT (R) |              |       | 21mm | 2.93" (74.5mm) | 2.89oz (82.0g) |
| HVC-G02-10 |         | 1/2" Male BSPT (R) |              |       | 17mm | 2.61" (66.5mm) | 2.04oz (58.0g) |
| HVC-G03-10 |         | 3/8" Male BSPP (G) |              |       | 20mm | 2.59" (66.0mm) | 2.15oz (61.0g) |
| HVC-G04-10 |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.65" (67.5mm) | 2.89oz (82.0g) |
| HVC-02-12  | 12mm    | 1/4" Male BSPT (R) | 1            | No    | 19mm | 2.83" (72.1mm) | 2.43oz (69.0g) |
| HVC-03-12  |         | 3/8" Male BSPT (R) |              |       |      | 2.87" (73.1mm) | 2.39oz (68.0g) |
| HVC-04-12  |         | 1/2" Male BSPT (R) |              |       | 21mm | 2.99" (76.1mm) | 2.68oz (76.0g) |
| HVC-G02-12 |         | 1/2" Male BSPT (R) |              |       | 19mm | 2.80" (71.2mm) | 2.43oz (69.0g) |
| HVC-G03-12 |         | 3/8" Male BSPP (G) |              |       | 20mm | 2.78" (70.7mm) | 2.39oz (68.0g) |
| HVC-G04-12 |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.84" (72.2mm) | 2.68oz (76.0g) |

# Technifit™ Push-to-Connect Fittings

## Straight “B” Hand Valve – HVF

Featuring a push-to-connect port opposed to a male thread, Straight Hand Valves allow users to stop the flow of air. “B” Models feature threaded port on the inlet.



### Fractional Tube Sizes

| Model       | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|-------------|---------|---------------|--------------|-------|--------|----------------|----------------|
| HVF-N1-1/4  | 1/4"    | 1/8" Male NPT | 1            | No    | 9/16"  | 2.50" (63.6mm) | 1.08oz (30.7g) |
| HVF-N2-1/4  |         | 1/4" Male NPT |              |       |        | 2.58" (65.6mm) | 1.36oz (38.7g) |
| HVF-N3-1/4  |         | 3/8" Male NPT |              |       |        | 2.62" (66.6mm) | 1.61oz (45.7g) |
| HVF-N1-5/16 | 5/16"   | 1/8" Male NPT | 1            | No    | 9/16"  | 2.54" (64.6mm) | 1.22oz (34.7g) |
| HVF-N2-5/16 |         | 1/4" Male NPT |              |       |        | 2.62" (66.6mm) | 1.36oz (38.7g) |
| HVF-N3-5/16 |         | 3/8" Male NPT |              |       |        | 2.66" (67.6mm) | 1.64oz (46.7g) |
| HVF-N2-3/8  | 3/8"    | 1/4" Male NPT | 1            | No    | 11/16" | 2.79" (70.9mm) | 1.92oz (54.2g) |
| HVF-N3-3/8  |         | 3/8" Male NPT |              |       |        | 2.83" (71.9mm) | 2.12oz (60.2g) |
| HVF-N4-3/8  |         | 1/2" Male NPT |              |       |        | 2.94" (74.9mm) | 2.73oz (77.2g) |
| HVF-N2-1/2  | 1/2"    | 1/4" Male NPT | 1            | No    | 3/4"   | 2.98" (75.9mm) | 2.43oz (69.0g) |
| HVF-N3-1/2  |         | 3/8" Male NPT |              |       |        | 3.02" (76.9mm) | 2.61oz (74.0g) |
| HVF-N4-1/2  |         | 1/2" Male NPT |              |       |        | 3.14" (79.9mm) | 2.96oz (84.0g) |

### Metric Tube Sizes

| Model      | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| HVF-01-06  | 6mm     | 1/8" Male BSPT (R) | 1            | No    | 14mm | 2.43" (61.8mm) | 1.30oz (37.0g) |
| HVF-02-06  |         | 1/4" Male BSPT (R) |              |       |      | 2.55" (64.8mm) |                |
| HVF-03-06  |         | 3/8" Male BSPT (R) |              |       | 17mm | 2.59" (65.8mm) | 1.65oz (47.0g) |
| HVF-G01-06 |         | 1/8" Male BSPP (G) |              |       | 14mm | 2.31" (58.8mm) | 1.30oz (37.0g) |
| HVF-G02-06 |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.39" (60.8mm) |                |
| HVF-G03-06 |         | 3/8" Male BSPP (G) |              |       | 20mm | 2.37" (60.3mm) | 1.65oz (47.0g) |
| HVF-01-08  | 8mm     | 1/8" Male BSPT (R) | 1            | No    | 14mm | 2.48" (63.0mm) | 1.23oz (35.0g) |
| HVF-02-08  |         | 1/4" Male BSPT (R) |              |       |      | 2.59" (66.0mm) | 1.44oz (41.0g) |
| HVF-03-08  |         | 3/8" Male BSPT (R) |              |       | 17mm | 2.63" (67.0mm) | 1.69oz (48.0g) |
| HVF-G01-08 |         | 1/8" Male BSPP (G) |              |       | 14mm | 2.36" (60.0mm) | 1.23oz (35.0g) |
| HVF-G02-08 |         | 1/4" Male BSPP (G) |              |       | 17mm | 2.44" (62.0mm) | 1.44oz (41.0g) |
| HVF-G03-08 |         | 3/8" Male BSPP (G) |              |       | 20mm | 2.42" (61.5mm) | 1.69oz (48.0g) |
| HVF-02-10  | 10mm    | 1/4" Male BSPT (R) | 1            | No    | 17mm | 2.77" (70.5mm) | 2.04oz (58.0g) |
| HVF-03-10  |         | 3/8" Male BSPT (R) |              |       |      | 2.81" (71.5mm) | 2.15oz (61.0g) |
| HVF-04-10  |         | 1/2" Male BSPT (R) |              |       | 21mm | 2.93" (74.5mm) | 2.89oz (82.0g) |
| HVF-G02-10 |         | 1/2" Male BSPT (R) |              |       | 17mm | 2.61" (66.5mm) | 2.04oz (58.0g) |
| HVF-G03-10 |         | 3/8" Male BSPP (G) |              |       | 20mm | 2.59" (66.0mm) | 2.15oz (61.0g) |
| HVF-G04-10 |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.65" (67.5mm) | 2.89oz (82.0g) |
| HVF-02-12  | 12mm    | 1/4" Male BSPT (R) | 1            | No    | 19mm | 2.83" (72.1mm) | 2.43oz (69.0g) |
| HVF-03-12  |         | 3/8" Male BSPT (R) |              |       |      | 2.87" (73.1mm) | 2.39oz (68.0g) |
| HVF-04-12  |         | 1/2" Male BSPT (R) |              |       | 21mm | 2.99" (76.1mm) | 2.68oz (76.0g) |
| HVF-G02-12 |         | 1/2" Male BSPT (R) |              |       | 19mm | 2.80" (71.2mm) | 2.43oz (69.0g) |
| HVF-G03-12 |         | 3/8" Male BSPP (G) |              |       | 20mm | 2.78" (70.7mm) | 2.39oz (68.0g) |
| HVF-G04-12 |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.84" (72.2mm) | 2.68oz (76.0g) |

# Technifit™ Push-to-Connect Fittings

## Union Straight Hand Valve – HVU

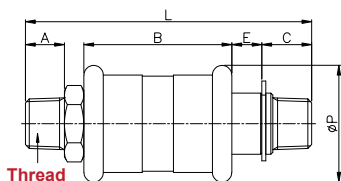
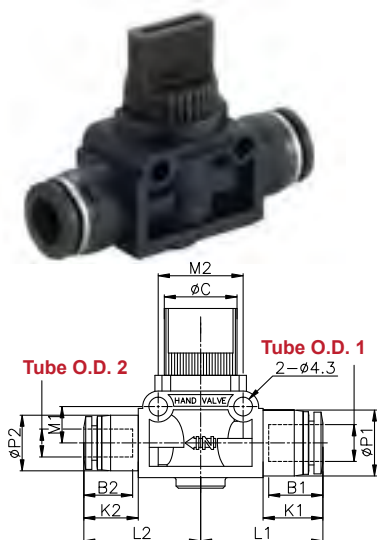
Union Straight Hand Valves feature opposing push-to-connect ports, allowing users to stop the flow of air.

### Fractional Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|
| HVU1/4-1/4   | 1/4"      | 1/4"      | 1            | Yes   | 2.08" (53.0mm) | 0.79oz (22.4g) |
| HVU5/16-1/4  | 5/16"     | 1/4"      | 1            | No    | 2.12" (54.0mm) | 0.82oz (23.4g) |
| HVU5/16-5/16 |           | 5/16"     |              | Yes   | 2.16" (55.0mm) | 0.86oz (24.4g) |
| HVU3/8-5/16  | 3/8"      | 5/16"     | 1            | No    | 2.29" (58.4mm) | 1.33oz (37.9g) |
| HVU3/8-3/8   |           | 3/8"      |              | Yes   | 2.43" (61.8mm) | 1.42oz (40.4g) |
| HVU1/2-3/8   | 1/2"      | 3/8"      | 1            | No    | 2.56" (65.2mm) | 1.45oz (41.2g) |
| HVU1/2-1/2   |           | 1/2"      |              | Yes   | 2.70" (68.6mm) | 1.65oz (47.0g) |

### Metric Tube Sizes

| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|----------|-----------|-----------|--------------|-------|----------------|----------------|
| HVU06-06 | 6mm       | 6mm       | 1            | Yes   | 2.06" (52.4mm) | 0.95oz (27.0g) |
| HVU08-06 | 8mm       | 6mm       | 1            | No    | 2.11" (53.6mm) | 0.95oz (27.0g) |
| HVU08-08 |           | 8mm       |              | Yes   | 2.15" (54.8mm) | 0.98oz (28.0g) |
| HVU10-08 | 10mm      | 8mm       | 1            | No    | 2.29" (58.4mm) | 1.44oz (41.0g) |
| HVU10-10 |           | 10mm      |              | Yes   | 2.44" (62.0mm) | 1.48oz (42.0g) |
| HVU12-10 | 12mm      | 10mm      | 1            | No    | 2.56" (65.1mm) | 1.58oz (45.0g) |
| HVU12-12 |           | 12mm      |              | Yes   | 2.69" (68.5mm) | 1.65oz (47.0g) |



## Nipple Slide Hand Valve – HSV

Nipple Slide Hand Valves provide a compact package, allowing users to stop the flow of air by moving the collar.

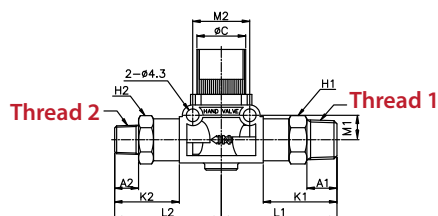
### BSP Thread Sizes

| Model  | Thread         | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------|----------------|--------------|-------|------|----------------|----------------|
| HSV-M5 | M5 x 0.8       | 1            | No    | 9mm  | 1.77" (45.0mm) | 0.84oz (24.0g) |
| HSV-01 | 1/8" Male BSPT | 1            | No    | 14mm | 2.12" (54.0mm) | 1.58oz (45.0g) |
| HSV-02 | 1/4" Male BSPT | 1            | No    | 17mm | 2.89" (73.5mm) | 3.95oz (112g)  |
| HSV-03 | 3/8" Male BSPT | 1            | No    | 27mm | 3.26" (83.0mm) | 9.73oz (276g)  |
| HSV-04 | 1/2" Male BSPT | 1            | No    | 27mm | 3.50" (89.0mm) | 9.52oz (270g)  |
| HSV-06 | 3/4" Male BSPT | 1            | No    | 32mm | 4.09" (104mm)  | 14.35oz (407g) |

# Technifit™ Push-to-Connect Fittings

## Nipple Hand Valve – HVM

Featuring two opposing threads, Nipple Hand Valves provide a method of shutting off airflow.



### NPT Thread Sizes

| Model     | Thread 1      | Thread 2      | Package Qty. | Stock | Hex    | Length         | Weight         |
|-----------|---------------|---------------|--------------|-------|--------|----------------|----------------|
| HVM-N1-N1 | 1/8" Male NPT | 1/8" Male NPT | 1            | No    | 9/16"  | 2.92" (74.2mm) | 1.41oz (40.0g) |
| HVM-N2-N1 | 1/4" Male NPT | 1/8" Male NPT | 1            | No    | 9/16"  | 3.03" (77.1mm) | 1.65oz (47.0g) |
| HVM-N2-N2 |               | 1/4" Male NPT |              |       |        | 3.11" (79.1mm) | 1.90oz (54.0g) |
| HVM-N3-N2 | 3/8" Male NPT | 1/4" Male NPT | 1            | No    | 11/16" | 3.15" (80.1mm) | 3.10oz (88.0g) |
| HVM-N3-N3 |               | 3/8" Male NPT |              |       |        | 3.22" (82.0mm) | 3.24oz (92.0g) |
| HVM-N4-N3 | 1/2" Male NPT | 3/8" Male NPT | 1            | No    | 7/8"   | 3.40" (86.6mm) | 3.73oz (106g)  |
| HVM-N4-N4 |               | 1/2" Male NPT |              |       |        | 3.59" (91.2mm) | 4.19oz (119g)  |

### BSP Thread Sizes

| Model       | Thread 1           | Thread 2           | Package Qty. | Stock | Hex  | Length         | Weight         |
|-------------|--------------------|--------------------|--------------|-------|------|----------------|----------------|
| HVM-01-01   | 1/8" Male BSPT (R) | 1/8" Male BSPT (R) | 1            | No    | 14mm | 2.80" (71.2mm) | 1.65oz (47.0g) |
| HVM-02-01   | 1/4" Male BSPT (R) | 1/8" Male BSPT (R) | 1            | No    | 14mm | 2.92" (74.2mm) | 1.72oz (49.0g) |
| HVM-02-02   |                    | 1/4" Male BSPT (R) |              |       |      | 3.03" (77.2mm) | 1.76oz (50.0g) |
| HVM-03-02   | 3/8" Male BSPT (R) | 1/4" Male BSPT (R) | 1            | No    | 17mm | 3.11" (79.1mm) | 2.25oz (64.0g) |
| HVM-03-03   |                    | 3/8" Male BSPT (R) |              |       |      | 3.18" (81.0mm) | 2.92oz (83.0g) |
| HVM-04-03   | 1/2" Male BSPT (R) | 3/8" Male BSPT (R) | 1            | No    | 21mm | 3.37" (85.6mm) | 3.63oz (103g)  |
| HVM-04-04   |                    | 1/2" Male BSPT (R) |              |       |      | 3.55" (90.2mm) | 4.26oz (121g)  |
| HVM-G01-G01 | 1/8" Male BSPP (G) | 1/8" Male BSPP (G) | 1            | No    | 14mm | 2.56" (65.2mm) | 1.65oz (47.0g) |
| HVM-G02-G01 | 1/4" Male BSPP (G) | 1/8" Male BSPP (G) | 1            | No    | 14mm | 2.64" (67.2mm) | 1.72oz (49.0g) |
| HVM-G02-G02 |                    | 1/4" Male BSPP (G) |              |       | 17mm | 2.72" (69.2mm) | 1.76oz (50.0g) |
| HVM-G03-G02 | 3/8" Male BSPP (G) | 1/4" Male BSPP (G) | 1            | No    | 17mm | 2.74" (69.6mm) | 2.25oz (64.0g) |
| HVM-G03-G03 |                    | 3/8" Male BSPP (G) |              |       | 20mm | 2.75" (70.0mm) | 2.92oz (83.0g) |
| HVM-G04-G03 | 1/2" Male BSPP (G) | 3/8" Male BSPP (G) | 1            | No    | 20mm | 2.87" (73.1mm) | 3.63oz (103g)  |
| HVM-G04-G04 |                    | 1/2" Male BSPP (G) |              |       | 24mm | 3.00" (76.2mm) | 4.26oz (121g)  |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Stop Fittings

### Swivel Stop Fitting Straight – SPC

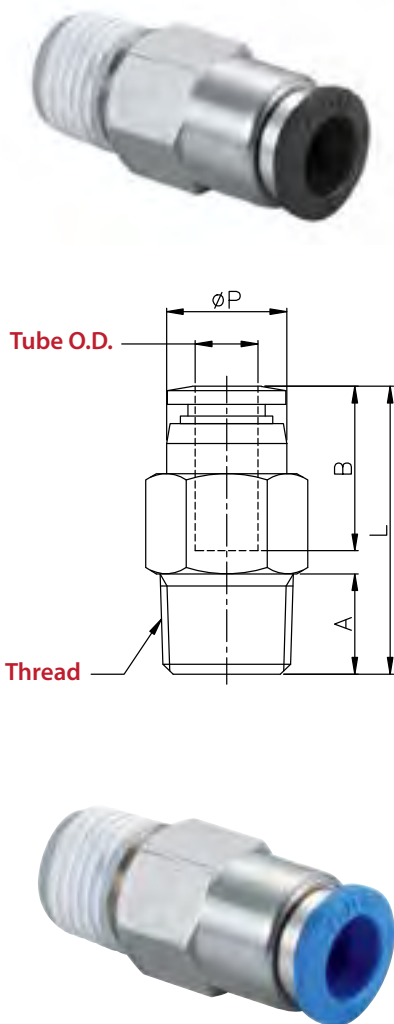
Swivel Stop Straight Fittings block the flow of air once tubing is removed from the push-to-connect port. Straight Fittings contain a push-to-connect port opposed to a male thread.

Fractional Tube Sizes

| Model      | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|------------|---------|---------------|--------------|-------|--------|----------------|----------------|
| SPC5/32-N1 | 5/32"   | 1/8" Male NPT | 10           | No    | 7/16"  | 1.02" (26.1mm) | 0.41oz (11.8g) |
| SPC3/16-N1 | 3/16"   | 1/8" Male NPT | 10           | No    | 7/16"  | 1.07" (27.3mm) | 0.48oz (13.8g) |
| SPC3/16-N2 |         | 1/4" Male NPT |              |       | 9/16"  |                | 0.76oz (21.8g) |
| SPC1/4-N1  | 1/4"    | 1/8" Male NPT | 10           | Yes   | 1/2"   | 1.17" (29.8mm) | 0.52oz (14.8g) |
| SPC1/4-N2  |         | 1/4" Male NPT |              |       | 9/16"  |                | 0.80oz (22.8g) |
| SPC5/16-N1 | 5/16"   | 1/8" Male NPT | 10           | No    | 9/16"  | 1.31" (33.4mm) | 0.65oz (18.7g) |
| SPC5/16-N2 |         | 1/4" Male NPT |              |       | 11/16" |                | 0.62oz (17.7g) |
| SPC5/16-N3 |         | 3/8" Male NPT |              |       | 11/16" | 1.31" (33.4mm) | 1.32oz (37.7g) |
| SPC3/8-N2  | 3/8"    | 1/4" Male NPT | 10           | Yes   | 11/16" | 1.43" (36.4mm) | 1.03oz (29.4g) |
| SPC3/8-N3  |         | 3/8" Male NPT |              | No    | 11/16" | 1.48" (37.6mm) | 1.28oz (36.4g) |
| SPC3/8-N4  |         | 1/2" Male NPT |              |       | 7/8"   | 1.51" (38.4mm) | 2.09oz (59.4g) |
| SPC1/2-N3  | 1/2"    | 3/8" Male NPT | 10           | No    | 7/8"   | 1.77" (45.0mm) | 2.19oz (62.1g) |
| SPC1/2-N4  |         | 1/2" Male NPT |              |       |        |                | 2.47oz (70.1g) |

Metric Tube Sizes

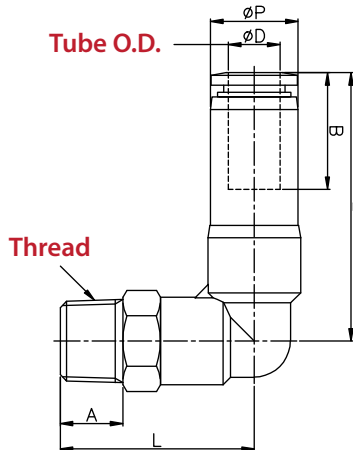
| Model     | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|---------|--------------------|--------------|-------|------|----------------|----------------|
| SPC04-01  | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 1.02" (26.1mm) | 0.35oz (10.0g) |
| SPC04-G01 |         | 1/8" Male BSPP (G) |              |       | 12mm | 1.00" (25.5mm) | 0.35oz (10.0g) |
| SPC06-01  | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 12mm | 1.12" (28.7mm) | 0.45oz (13.0g) |
| SPC06-02  |         | 1/4" Male BSPT (R) | 5            | Yes   | 14mm |                | 0.70oz (20.0g) |
| SPC06-G01 |         | 1/8" Male BSPP (G) | 10           | No    | 12mm | 1.09" (27.2mm) | 0.45oz (13.0g) |
| SPC06-G02 |         | 1/4" Male BSPP (G) | 5            |       | 15mm |                | 0.70oz (20.0g) |
| SPC08-02  | 8mm     | 1/4" Male BSPT (R) | 5            | No    | 14mm | 1.31" (33.3mm) | 0.70oz (20.0g) |
| SPC08-03  |         | 3/8" Male BSPT (R) |              |       | 17mm |                | 1.26oz (36.0g) |
| SPC08-G02 |         | 1/4" Male BSPP (G) |              |       | 15mm | 1.25" (31.9mm) | 0.70oz (20.0g) |
| SPC08-G03 |         | 3/8" Male BSPP (G) |              |       | 17mm |                | 1.26oz (36.0g) |
| SPC10-02  | 10mm    | 1/4" Male BSPT (R) | 5            | No    | 17mm | 1.43" (36.4mm) | 1.69oz (48.0g) |
| SPC10-03  |         | 3/8" Male BSPT (R) |              |       |      | 1.48" (37.6mm) | 1.26oz (36.0g) |
| SPC10-04  |         | 1/2" Male BSPT (R) |              |       | 21mm | 1.51" (38.4mm) | 2.11oz (60.0g) |
| SPC10-G02 |         | 1/4" Male BSPP (G) |              |       | 17mm | 1.37" (34.9mm) | 1.69oz (48.0g) |
| SPC10-G03 |         | 3/8" Male BSPP (G) |              |       |      | 1.43" (36.4mm) | 1.27oz (36.0g) |
| SPC10-G04 |         | 1/2" Male BSPP (G) |              |       | 21mm | 1.47" (37.4mm) | 2.12oz (60.0g) |
| SPC12-02  | 12mm    | 1/4" Male BSPT (R) | 5            | No    | 19mm | 1.75" (44.6mm) | 1.69oz (48.0g) |
| SPC12-03  |         | 3/8" Male BSPT (R) |              |       |      |                | 1.72oz (49.0g) |
| SPC12-04  |         | 1/2" Male BSPT (R) |              |       | 21mm | 2.25oz (64.0g) |                |
| SPC12-G02 |         | 1/4" Male BSPP (G) |              |       | 19mm | 1.70" (43.2mm) | 1.69oz (48.0g) |
| SPC12-G03 |         | 3/8" Male BSPP (G) |              |       | 21mm |                | 1.72oz (49.0g) |
| SPC12-G04 |         | 1/2" Male BSPP (G) |              |       |      | 1.72" (43.7mm) | 2.25oz (64.0g) |



# Technifit™ Push-to-Connect Fittings

## Swivel Stop Fitting Elbow – SPL

Swivel Stop Elbow Fittings block the flow of air once tubing is removed from the push-to-connect port. Elbow Fittings contain a push-to-connect port opposed to a male thread.



### Fractional Tube Sizes

| Model      | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|------------|---------|---------------|--------------|-------|--------|----------------|----------------|
| SPL5/32-U  | 5/32"   | 10-32 Male    | 10           | No    | 7/16"  | 1.61" (29.5mm) | 0.56oz (15.8g) |
| SPL5/32-N1 |         | 1/8" Male NPT | 5            |       |        |                | 0.70oz (19.8g) |
| SPL3/16-U  | 3/16"   | 10-32 Male    | 10           | No    | 7/16"  | 1.20" (30.5mm) | 0.70oz (19.8g) |
| SPL3/16-N1 |         | 1/8" Male NPT | 5            |       |        |                | 0.73oz (20.8g) |
| SPL3/16-N2 |         | 1/4" Male NPT |              |       | 9/16"  |                | 1.09oz (30.8g) |
| SPL1/4-U   | 1/4"    | 10-32 Male    | 10           | No    | 1/2"   | 1.31" (33.3mm) | 0.80oz (22.8g) |
| SPL1/4-N1  |         | 1/8" Male NPT | 5            |       |        |                | 0.88oz (24.8g) |
| SPL1/4-N2  |         | 1/4" Male NPT |              |       | 9/16"  |                | 1.12oz (31.8g) |
| SPL5/16-N1 | 5/16"   | 1/8" Male NPT | 5            | No    | 9/16"  | 1.69" (43.0mm) | 1.05oz (29.7g) |
| SPL5/16-N2 |         | 1/4" Male NPT |              |       |        |                | 1.30oz (36.7g) |
| SPL5/16-N3 |         | 3/8" Male NPT |              |       | 11/16" |                | 1.68oz (47.7g) |
| SPL3/8-N2  | 3/8"    | 1/4" Male NPT | 5            | No    | 11/16" | 1.92" (48.9mm) | 1.99oz (56.4g) |
| SPL3/8-N3  |         | 3/8" Male NPT |              |       |        |                | 2.34oz (66.4g) |
| SPL3/8-N4  |         | 1/2" Male NPT |              |       | 7/8"   |                | 2.70oz (76.4g) |
| SPL1/2-N3  | 1/2"    | 3/8" Male NPT | 5            | No    | 3/4"   | 2.22" (56.3mm) | 2.90oz (82.1g) |
| SPL1/2-N4  |         | 1/2" Male NPT |              |       | 7/8"   |                | 3.64oz (103g)  |

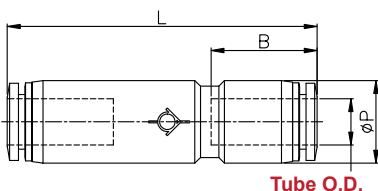
### Metric Tube Sizes

| Model | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-------|---------|--------------------|--------------|-------|------|----------------|----------------|
|       | 4mm     | M5 x 0.8           | 10           | No    | 10mm | 1.77" (29.5mm) | 0.45oz (13.0g) |
|       |         | M6 x 1.0           |              |       |      |                | 0.49oz (14.0g) |
|       |         | 1/8" Male BSPT (R) | 5            |       | 14mm |                | 0.52oz (15.0g) |
|       |         | 1/8" Male BSPP (G) |              |       |      |                |                |
|       | 6mm     | M5 x 0.8           | 10           | No    | 12mm | 1.29" (32.8mm) | 0.67oz (19.0g) |
|       |         | 1/8" Male BSPT (R) | 5            |       | 14mm |                | 0.77oz (22.0g) |
|       |         | 1/4" Male BSPT (R) |              |       |      |                | 0.95oz (27.0g) |
|       |         | 1/8" Male BSPP (G) |              |       |      |                | 0.77oz (27.0g) |
|       |         | 1/4" Male BSPP (G) |              |       |      |                |                |
|       | 8mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 1.68" (42.9mm) | 1.12oz (32.0g) |
|       |         | 1/4" Male BSPT (R) |              |       | 17mm |                | 1.34oz (38.0g) |
|       |         | 3/8" Male BSPT (R) |              |       |      |                | 1.55oz (44.0g) |
|       |         | 1/4" Male BSPP (G) |              |       |      |                | 1.34oz (38.0g) |
|       |         | 3/8" Male BSPP (G) |              |       | 20mm |                | 1.55oz (44.0g) |
|       | 10mm    | 1/4" Male BSPT (R) | 5            | No    | 17mm | 1.92" (49.0mm) | 2.01oz (57.0g) |
|       |         | 3/8" Male BSPT (R) |              |       | 17mm |                | 2.25oz (64.0g) |
|       |         | 1/2" Male BSPT (R) |              |       | 21mm |                | 2.82oz (80.0g) |
|       |         | 1/4" Male BSPP (G) |              |       | 17mm |                | 2.01oz (57.0g) |
|       |         | 3/8" Male BSPP (G) |              |       | 20mm |                | 2.25oz (64.0g) |
|       |         | 1/2" Male BSPP (G) |              |       | 24mm |                | 2.82oz (80.0g) |
|       | 12mm    | 3/8" Male BSPT (R) | 5            | No    | 19mm | 2.26" (57.5mm) | 2.75oz (78.0g) |
|       |         | 1/2" Male BSPT (R) |              |       | 21mm |                | 3.20oz (91.0g) |
|       |         | 3/8" Male BSPP (G) |              |       | 20mm |                | 2.75oz (78.0g) |
|       |         | 1/2" Male BSPP (G) |              |       | 24mm |                | 3.20oz (91.0g) |

# Technifit™ Push-to-Connect Fittings

## Stop Fitting Straight Union – SPU

Swivel Stop Straight Union Fittings block the flow of air once tubing is removed from the push-to-connect port. Union Fittings contain two opposing push-to-connect ports.



### Fractional Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| SPU5/32 | 5/32"     | 5/32"     | 5            | Yes   | 1.64" (41.8mm) | 0.23oz (6.60g) |
| SPU3/16 | 3/16"     | 3/16"     | 5            | No    | 1.70" (43.4mm) | 0.26oz (7.40g) |
| SPU1/4  | 1/4"      | 1/4"      | 5            | Yes   | 1.84" (46.9mm) | 0.29oz (8.40g) |
| SPU5/16 | 5/16"     | 5/16"     | 5            | Yes   | 2.08" (52.9mm) | 0.43oz (12.4g) |
| SPU3/8  | 3/8"      | 3/8"      | 5            | Yes   | 2.29" (58.4mm) | 0.75oz (21.4g) |
| SPU1/2  | 1/2"      | 1/2"      | 5            | Yes   | 2.66" (67.7mm) | 1.26oz (36.0g) |

### Metric Tube Sizes

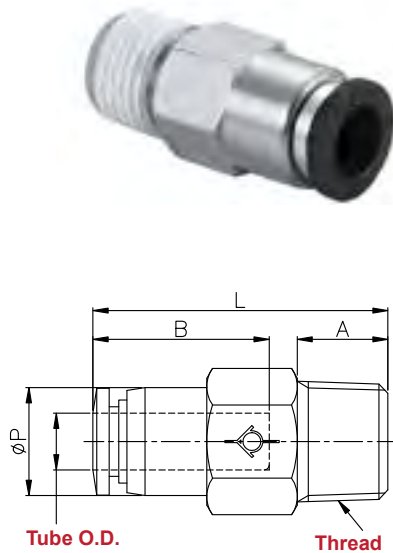
| Model | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------|-----------|-----------|--------------|-------|----------------|----------------|
| SPU04 | 4mm       | 4mm       | 5            | No    | 1.64" (41.7mm) | 0.17oz (5.00g) |
| SPU06 | 6mm       | 6mm       | 5            | Yes   | 1.80" (45.9mm) | 0.28oz (8.00g) |
| SPU08 | 8mm       | 8mm       | 5            | No    | 2.07" (52.8mm) | 0.38oz (11.0g) |
| SPU10 | 10mm      | 10mm      | 5            | Yes   | 2.29" (58.3mm) | 0.67oz (19.0g) |
| SPU12 | 12mm      | 12mm      | 5            | Yes   | 2.64" (67.1mm) | 1.05oz (30.0g) |

# Technifit™ Push-to-Connect Fittings

## Resin-Series: Check Valve Fittings

### Check Valve Straight – CVPC

Check Valve Straight Fittings limit the flow of air to one direction. Straight Fittings contain a push-to-connect port opposed to a male thread.



Fractional Tube Sizes

| Model       | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|-------------|---------|---------------|--------------|-------|--------|----------------|----------------|
| CVPC5/32-U  | 5/32"   | 10-32 Male    | 10           | No    | 3/8"   | 1.23" (31.4mm) | 0.41oz (11.8g) |
| CVPC5/32-N1 |         | 1/8" Male NPT |              |       | 7/16"  | 1.07" (27.3mm) | 0.38oz (10.8g) |
| CVPC3/16-U  | 3/16"   | 10-32 Male    | 10           | No    | 7/16"  | 1.28" (32.6mm) | 0.41oz (11.8g) |
| CVPC3/16-N1 |         | 1/8" Male NPT |              |       | 9/16"  | 1.12" (28.5mm) | 0.48oz (13.8g) |
| CVPC3/16-N2 |         | 1/4" Male NPT |              |       |        |                | 0.69oz (19.8g) |
| CVPC1/4-N1  | 1/4"    | 1/8" Male NPT | 10           | Yes   | 1/2"   | 1.30" (33.1mm) | 0.62oz (17.8g) |
| CVPC1/4-N2  |         | 1/4" Male NPT | 5            |       | 9/16"  |                | 0.76oz (21.8g) |
| CVPC5/16-N1 | 5/16"   | 1/8" Male NPT | 5            | No    | 9/16"  | 1.37" (35.0mm) | 0.73oz (20.7g) |
| CVPC5/16-N2 |         | 1/4" Male NPT |              |       |        | 1.46" (37.3mm) | 0.80oz (22.7g) |
| CVPC3/8-N3  | 3/8"    | 3/8" Male NPT | 5            | No    | 7/8"   | 2.21" (56.3mm) | 1.60oz (45.4g) |
| CVPC3/8-N4  |         | 1/2" Male NPT |              |       |        | 2.29" (58.3mm) | 2.23oz (63.4g) |
| CVPC1/2-N3  | 1/2"    | 3/8" Male NPT | 5            | No    | 15/16" | 2.42" (61.5mm) | 1.69oz (48.1g) |
| CVPC1/2-N4  |         | 1/2" Male NPT |              |       |        | 2.57" (65.5mm) | 2.40oz (68.1g) |



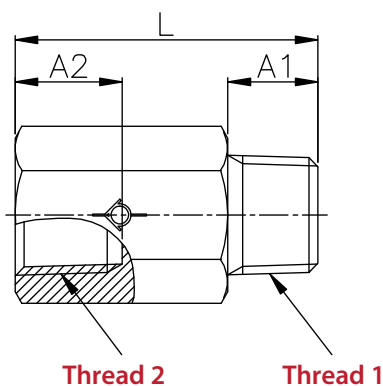
Metric Tube Sizes

| Model      | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| CVPC04-01  | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 1.07" (27.3mm) | 0.38oz (11.0g) |
| CVPC04-G01 |         | 1/4" Male BSPT (R) |              |       |      | 1.23" (31.4mm) |                |
| CVPC04-M5  |         | M5 x 0.8           |              |       |      | 1.19" (30.4mm) |                |
| CVPC04-M6  |         | M6 x 1.0           |              |       |      |                |                |
| CVPC06-01  | 6mm     | 1/8" Male BSPT (R) | 10           | Yes   | 12mm | 1.27" (32.5mm) | 0.56oz (16.0g) |
| CVPC06-02  |         | 1/4" Male BSPT (R) | 5            |       | 14mm | 0.84oz (24.0g) |                |
| CVPC06-G01 |         | 1/8" Male BSPP (G) | 10           |       | 14mm | 0.56oz (16.0g) |                |
| CVPC06-G02 |         | 1/4" Male BSPP (G) | 5            |       | 15mm | 0.84oz (24.0g) |                |
| CVPC08-01  | 8mm     | 1/8" Male BSPT (R) | 5            | No    | 14mm | 1.37" (34.9mm) | 0.74oz (21.0g) |
| CVPC08-02  |         | 1/4" Male BSPT (R) |              |       |      | 1.46" (37.2mm) | 0.84oz (24.0g) |
| CVPC08-G01 |         | 1/8" Male BSPP (G) |              |       |      | 1.37" (34.8mm) | 0.74oz (21.0g) |
| CVPC08-G02 |         | 1/4" Male BSPP (G) |              |       | 15mm | 1.45" (36.9mm) | 0.84oz (24.0g) |
| CVPC10-03  | 10mm    | 3/8" Male BSPT (R) | 4            | No    | 22mm | 2.21" (56.3mm) | 1.23oz (35.0g) |
| CVPC10-04  |         | 1/2" Male BSPT (R) |              |       |      | 2.29" (58.3mm) | 1.44oz (41.0g) |
| CVPC10-G03 |         | 3/8" Male BSPP (G) |              |       |      | 2.12" (54.0mm) | 1.23oz (35.0g) |
| CVPC10-G04 |         | 1/2" Male BSPP (G) |              |       | 24mm | 2.17" (55.3mm) | 1.44oz (41.0g) |
| CVPC12-03  | 12mm    | 3/8" Male BSPT (R) | 4            | No    | 24mm | 2.44" (62.2mm) | 1.41oz (40.0g) |
| CVPC12-04  |         | 1/2" Male BSPT (R) |              |       |      | 2.56" (65.2mm) |                |
| CVPC12-G03 |         | 3/8" Male BSPP (G) |              |       |      | 2.31" (58.9mm) |                |
| CVPC12-G04 |         | 1/2" Male BSPP (G) |              |       |      | 2.37" (60.2mm) |                |

# Technifit™ Push-to-Connect Fittings

## Check Valve Bushing – CVPF

Check Valve Bushings limit the flow of air to one direction. Check Valve Bushings contain a push-to-connect port opposed to a female thread.



Fractional Tube Sizes

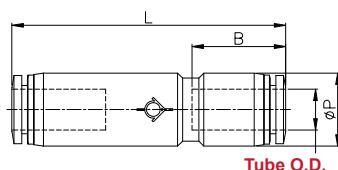
| Model      | Thread 1      | Thread 2        | Package Qty. | Stock | Hex    | Length         | Weight         |
|------------|---------------|-----------------|--------------|-------|--------|----------------|----------------|
| CVPF-N1-N1 | 1/8" Male NPT | 1/8" Female NPT | 10           | No    | 1/2"   | 1.10" (28.1mm) | 0.67oz (19.0g) |
| CVPF-N2-N2 | 1/4" Male NPT | 1/4" Female NPT | 5            | No    | 11/16" | 1.34" (34.1mm) | 1.41oz (40.0g) |
| CVPF-N3-N3 | 3/8" Male NPT | 3/8" Female NPT | 5            | No    | 7/8"   | 2.11" (53.8mm) | 3.88oz (110g)  |
| CVPF-N4-N4 | 1/2" Male NPT | 1/2" Female NPT | 5            | No    | 15/16" | 2.40" (61.0mm) | 4.76oz (135g)  |

Metric Tube Sizes

| Model        | Thread 1           | Thread 2             | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------------|--------------------|----------------------|--------------|-------|------|----------------|----------------|
| CVPF-01-01   | 1/8" Male BSPT (R) | 1/8" Female BSPT (R) | 10           | No    | 12mm | 108" (27.6mm)  | 0.56oz (16.0g) |
| CVPF-02-02   | 1/4" Male BSPT (R) | 1/4" Female BSPT (R) | 5            | No    | 17mm | 1.32" (33.6mm) | 1.34oz (38.0g) |
| CVPF-03-03   | 3/8" Male BSPT (R) | 3/8" Female BSPT (R) | 5            | No    | 22mm | 2.09" (53.3mm) | 3.77oz (107g)  |
| CVPF-04-04   | 1/2" Male BSPT (R) | 1/2" Female BSPT (R) | 5            | No    | 24mm | 2.43" (61.5mm) | 4.62oz (131g)  |
| CVPF-G01-G01 | 1/8" Male BSPP (G) | 1/8" Female BSPP (G) | 10           | No    | 14mm | 0.90" (23.0mm) | 0.81oz (23.0g) |
| CVPF-G02-G02 | 1/4" Male BSPP (G) | 1/4" Female BSPP (G) | 5            | No    | 17mm | 1.53" (39.0mm) | 1.37oz (39.0g) |
| CVPF-G03-G03 | 3/8" Male BSPP (G) | 3/8" Female BSPP (G) | 5            | No    | 22mm | 4.01" (102mm)  | 3.59oz (102g)  |
| CVPF-G04-G04 | 1/2" Male BSPP (G) | 1/2" Female BSPP (G) | 5            | No    | 24mm | 4.76" (121mm)  | 4.26oz (121g)  |

## Check Valve Straight Union – CVPU

Check Valve Straight Unions limit the flow of air to one direction. These fittings contain two opposing push-to-connect ports.



Fractional Tube Sizes

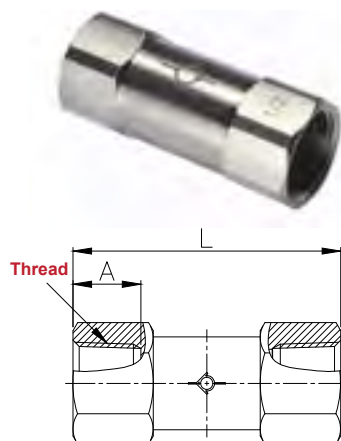
| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|----------|-----------|-----------|--------------|-------|----------------|----------------|
| CVPU5/32 | 5/32"     | 5/32"     | 10           | Yes   | 1.66" (42.3mm) | 0.17oz (4.90g) |
| CVPU3/16 | 3/16"     | 3/16"     | 10           | Yes   | 1.73" (44.1mm) | 0.26oz (7.40g) |
| CVPU1/4  | 1/4"      | 1/4"      | 5            | Yes   | 1.90" (48.4mm) | 0.28oz (8.20g) |
| CVPU5/16 | 5/16"     | 5/16"     | 5            | Yes   | 2.18" (55.6mm) | 0.45oz (12.9g) |
| CVPU3/8  | 3/8"      | 3/8"      | 5            | Yes   | N/A            | N/A            |
| CVPU1/2  | 1/2"      | 1/2"      | 5            | Yes   | N/A            | N/A            |

Metric Tube Sizes

| Model  | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------|-----------|-----------|--------------|-------|----------------|----------------|
| CVPU04 | 4mm       | 4mm       | 10           | Yes   | 1.64" (41.9mm) | 0.17oz (4.90g) |
| CVPU06 | 6mm       | 6mm       | 10           | Yes   | 1.86" (47.4mm) | 0.28oz (8.20g) |
| CVPU08 | 8mm       | 8mm       | 5            | Yes   | 2.18" (55.5mm) | 0.45oz (12.9g) |
| CVPU10 | 10mm      | 10mm      | 5            | Yes   | N/A            | N/A            |
| CVPU12 | 12mm      | 12mm      | 5            | Yes   | N/A            | N/A            |



# Technifit™ Push-to-Connect Fittings



## Check Valve Female – CVFF

Check Valve Female Fittings limit the flow of air to one direction. These fittings contain two opposing female threads.

**BSP Thread Sizes**

| Model     | Thread 1             | Thread 2             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------|----------------------|----------------------|--------------|-------|------|----------------|----------------|
| CVFF01-01 | 1/8" Female BSPT (R) | 1/8" Female BSPT (R) | 10           | No    | 12mm | 1.40" (35.6mm) | 0.70oz (20.0g) |
| CVFF02-02 | 1/4" Female BSPT (R) | 1/4" Female BSPT (R) | 5            | No    | 17mm | 1.70" (43.3mm) | 1.73oz (49.2g) |
| CVFF03-03 | 3/8" Female BSPT (R) | 3/8" Female BSPT (R) | 5            | No    | 22mm | 2.09" (53.2mm) | 3.31oz (93.9g) |
| CVFF04-04 | 1/2" Female BSPT (R) | 1/2" Female BSPT (R) | 5            | No    | 24mm | 2.38" (60.5mm) | 3.98oz (113g)  |



## Pilot Check Valve Elbow – PVSF

Pilot Check Valve Elbows enable a user to supply pilot pressure to the fitting, enabling a one-way flow of compressed air or gases.

**Metric Tube Sizes**

| Model  | Thread 1           | Thread 2             | Pilot Thread       | Package Qty. | Stock | Hex  | Length         | Weight          |
|--------|--------------------|----------------------|--------------------|--------------|-------|------|----------------|-----------------|
| PVSF01 | 1/8" Male BSPT (R) | 1/8" Female BSPT (R) | M5 x 0.8 Female    | N/A          | No    | 12mm | 1.76" (40.8mm) | 1.21oz (34.50g) |
| PVSF02 | 1/4" Male BSPT (R) | 1/4" Female BSPT (R) | 1/8" Male BSPT (R) | N/A          | No    | 17mm | 1.92" (48.9mm) | 2.63oz (74.60g) |
| PVSF03 | 3/8" Male BSPT (R) | 3/8" Female BSPT (R) | 1/8" Male BSPT (R) | N/A          | No    | 20mm | 2.23" (56.7mm) | 4.35oz (123.4g) |
| PVSF04 | 1/2" Male BSPT (R) | 1/2" Female BSPT (R) | 1/4" Male BSPT (R) | N/A          | No    | 24mm | 2.77" (70.6mm) | 7.30oz (207.2g) |

# Technifit™ Push-to-Connect Fittings

## Nickel-Plated Brass Series

The Nickel-Plated Brass Series of push-to-connect fittings feature complete brass construction, along with an attractive finish.



### B 06 - 01 M - PT

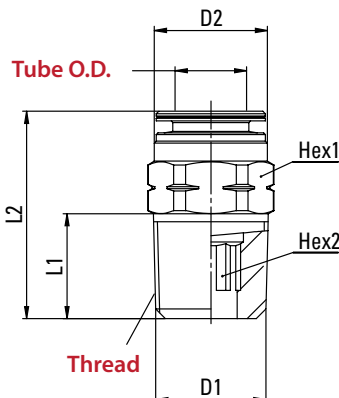
| Nickel-Plated Brass |            | Tubing Size |  | Thread Size |  | Model | Thread Type |          |
|---------------------|------------|-------------|--|-------------|--|-------|-------------|----------|
| U                   | 10-32 Male |             |  |             |  |       | (Blank)     | NPT      |
| 01                  | 1/8"       |             |  |             |  |       | PT          | BSPT (R) |
| 02                  | 1/4"       |             |  |             |  |       | PP          | BSPP (G) |
| 03                  | 3/8"       |             |  |             |  |       |             |          |
| 04                  | 1/2"       |             |  |             |  |       |             |          |
| M5                  | M5 x 0.8   |             |  |             |  |       |             |          |
| M6                  | M6 x 1.0   |             |  |             |  |       |             |          |

| 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/<br>Inert Gases |

## Nickel-Plated Brass-Series: Straight Fittings

### Male Straight

Hex Male Straight Fittings feature a hex outer shape, allowing for simplified installation. These fittings are composed of nickel-plated brass.

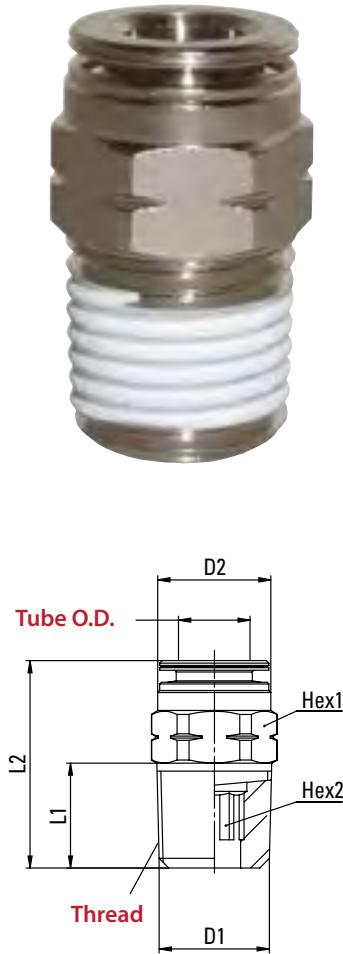


### Fractional Tube Sizes

| Model      | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|------------|---------|---------------|--------------|-------|--------|----------------|----------------|
| B18-1032M  | 1/8"    | 10-32 Male    | 10           | No    | 3/32"  | 0.65" (16.5mm) | 0.08oz (2.26g) |
| B18-01M    |         | 1/8" Male NPT |              | Yes   |        | 0.72" (18.2mm) | 0.33oz (9.35g) |
| B532-1032M | 5/32"   | 10-32 Male    | 10           | Yes   | 3/32"  | 0.78" (19.8mm) | 0.16oz (4.53g) |
| B532-01M   |         | 1/8" Male NPT |              |       | 7/16"  | 0.72" (18.2mm) | 0.33oz (9.35g) |
| B532-02M   |         | 1/4" Male NPT |              | No    | 9/16"  | 0.94" (23.8mm) | 0.70oz (19.8g) |
| B14-1032M  | 1/4"    | 10-32 Male    | 10           | Yes   | 3/32"  | 0.72" (18.2mm) | 0.33oz (9.35g) |
| B14-01M    |         | 1/8" Male NPT |              |       | 1/2"   | 0.86" (21.8mm) | 0.37oz (10.4g) |
| B14-02M    |         | 1/4" Male NPT |              |       | 9/16"  | 0.96" (24.3mm) | 0.65oz (18.4g) |
| B516-01M   | 5/16"   | 1/8" Male NPT | 10           | Yes   | 9/16"  | 1.04" (26.4mm) | 0.52oz (14.7g) |
| B516-02M   |         | 1/4" Male NPT |              |       |        | 1.04" (26.4mm) | 0.56oz (15.8g) |
| B516-03M   |         | 3/8" Male NPT |              |       | 11/16" | 0.98" (24.8mm) | 0.98oz (27.7g) |
| B38-01M    | 3/8"    | 1/8" Male NPT | 10           | Yes   | 11/16" | 1.12" (28.4mm) | 0.79oz (22.3g) |
| B38-02M    |         | 1/4" Male NPT |              |       |        | 1.26" (32.0mm) | 0.95oz (26.9g) |
| B38-03M    |         | 3/8" Male NPT |              |       |        | 1.04" (26.4mm) | 0.90oz (25.5g) |
| B38-04M    |         | 1/2" Male NPT |              |       | 7/8"   | 1.20" (30.4mm) | 1.97oz (55.8g) |
| B12-02M    | 1/2"    | 1/4" Male NPT | 10           | Yes   | 13/16" | 1.35" (34.2mm) | 1.25oz (35.4g) |
| B12-03M    |         | 3/8" Male NPT |              |       |        | 1.61" (40.8mm) | 0.97oz (27.4g) |
| B12-04M    |         | 1/2" Male NPT |              |       | 7/8"   | 1.20" (30.4mm) | 1.61oz (45.6g) |

# Technifit™ Push-to-Connect Fittings

## Male Straight (Continued)



### Metric Tube Sizes

| Model         | Tube OD | Thread             | Package Qty. | Stock | Hex   | Length         | Weight         |
|---------------|---------|--------------------|--------------|-------|-------|----------------|----------------|
| B04-01M-PT    | 4mm     | 1/8" Male BSPT (R) | 10           | Yes   | 10mm  | 0.62" (16.0mm) | 0.19oz (5.50g) |
| B04-02M-PT    |         | 1/4" Male BSPT (R) |              |       | 14mm  | 0.80" (20.5mm) | 0.56oz (16.1g) |
| B04-01M-PP    |         | 1/8" Male BSPP (G) |              | No    | 9mm   | 0.51" (13.0mm) | 0.21oz (6.00g) |
| B04-02M-PP    |         | 1/4" Male BSPP (G) |              |       |       | 0.62" (16.0mm) | 0.42oz (12.0g) |
| B04-M5M       |         | M5 x 0.8           |              | Yes   | 2.5mm | 0.74" (19.0mm) | 0.16oz (4.60g) |
| B04-M6M       |         | M6 x 1.0           |              | No    | 3mm   | 0.76" (19.5mm) | 0.15oz (4.30g) |
| B06-01M-PT    | 6mm     | 1/8" Male BSPT (R) | 10           | Yes   | 12mm  | 0.82" (21.0mm) | 0.30oz (8.70g) |
| B06-02M-PT    |         | 1/4" Male BSPT (R) |              |       | 14mm  | 0.80" (20.5mm) | 0.49oz (14.0g) |
| B06-01M-PP    |         | 1/8" Male BSPP (G) |              |       | 12mm  | 0.76" (19.5mm) | 0.31oz (9.00g) |
| B06-02M-PP    |         | 1/4" Male BSPP (G) |              |       |       | 0.76" (19.5mm) | 0.44oz (12.7g) |
| B06-M5M       |         | M5 x 0.8           |              | No    | 2.5mm | 0.86" (22.0mm) | 0.30oz (8.60g) |
| B06-M6M       |         | M6 x 1.0           |              |       | 3mm   |                |                |
| B06-12x1.25*M |         | M12 x 1.25         |              |       | 12mm  | 0.82" (21.0mm) | 0.41oz (11.8g) |
| B06-12x1.5*M  |         | M12 x 1.50         |              |       |       |                | 0.45oz (12.9g) |
| B08-01M-PT    | 8mm     | 1/8" Male BSPT (R) | 10           | Yes   | 14mm  | 0.98" (25.0mm) | 0.46oz (13.2g) |
| B08-02M-PT    |         | 1/4" Male BSPT (R) |              |       |       | 1.27" (32.5mm) | 0.49oz (13.9g) |
| B08-03M-PT    |         | 3/8" Male BSPT (R) |              |       | 12mm  | 0.89" (22.5mm) | 0.83oz (23.6g) |
| B08-01M-PP    |         | 1/8" Male BSPP (G) |              |       |       | 0.93" (23.5mm) | 0.40oz (11.5g) |
| B08-02M-PP    |         | 1/4" Male BSPP (G) |              |       | 14mm  | 0.84" (21.5mm) | 0.47oz (13.5g) |
| B08-03M-PP    |         | 3/8" Male BSPP (G) |              |       |       | 0.82" (21.0mm) | 0.70oz (20.1g) |
| B10-02M-PT    | 10mm    | 1/4" Male BSPT (R) | 10           | Yes   | 16mm  | 1.20" (30.5mm) | 0.71oz (20.2g) |
| B10-03M-PT    |         | 3/8" Male BSPT (R) |              |       | 17mm  | 0.94" (24.0mm) | 0.72oz (20.6g) |
| B10-04M-PT    |         | 1/2" Male BSPT (R) |              |       | 22mm  | 1.06" (27.0mm) | 1.68oz (47.5g) |
| B10-02M-PP    |         | 1/4" Male BSPP (G) |              |       | 15mm  | 1.08" (27.5mm) | 0.61oz (17.4g) |
| B10-03M-PP    |         | 3/8" Male BSPP (G) |              | No    | 16mm  | 0.98" (25.0mm) | 0.79oz (22.6g) |
| B10-04M-PP    |         | 1/2" Male BSPP (G) |              |       |       | 1.00" (25.5mm) | 1.21oz (34.5g) |
| B12-02M-PT    | 12mm    | 1/4" Male BSPT (R) | 10           | Yes   | 19mm  | 1.25" (32.0mm) | 0.84oz (24.0g) |
| B12-03M-PT    |         | 3/8" Male BSPT (R) |              |       |       | 1.08" (27.5mm) | 0.85oz (24.1g) |
| B12-04M-PT    |         | 1/2" Male BSPT (R) |              | No    | 22mm  | 1.08" (27.5mm) | 1.49oz (42.3g) |
| B12-02M-PP    |         | 1/4" Male BSPP (G) |              |       | 19mm  | 1.12" (28.5mm) | 0.92oz (26.2g) |
| B12-03M-PP    |         | 3/8" Male BSPP (G) |              | Yes   |       |                | 1.02oz (29.0g) |
| B12-04M-PP    |         | 1/2" Male BSPP (G) |              | No    |       | 1.04" (26.5mm) | 1.27oz (36.1g) |
| B14-03M-PT    | 14mm    | 3/8" Male BSPT (R) | 10           | Yes   | 14mm  | 1.39" (35.5mm) | 1.41oz (40.1g) |
| B14-04M-PT    |         | 1/2" Male BSPT (R) |              |       |       | 1.27" (32.5mm) | 1.39oz (39.5g) |
| B14-03M-PP    |         | 3/8" Male BSPP (G) |              | No    | 22mm  | 1.25" (32.0mm) | 1.32oz (37.5g) |
| B14-04M-PP    |         | 1/2" Male BSPP (G) |              |       |       |                | 1.49oz (42.4g) |

# Technifit™ Push-to-Connect Fittings

## Female Straight

Hex Female Straight Fittings feature a hex outer shape, allowing for simplified installation. These fittings are composed of nickel-plated brass.

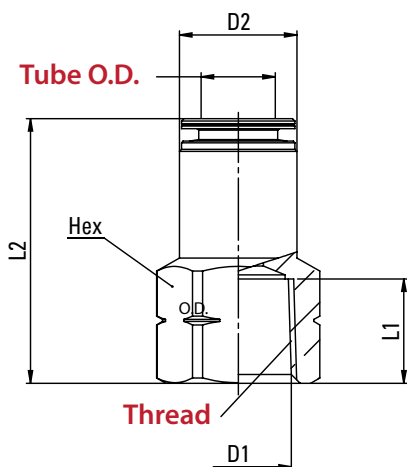


### Fractional Tube Sizes

| Model           | Tube OD | Thread          | Package Qty. | Stock | Hex    | Length         | Weight         |
|-----------------|---------|-----------------|--------------|-------|--------|----------------|----------------|
| <b>B532-01F</b> | 5/32"   | 1/8" Female NPT | 10           | Yes   | 9/16"  | 0.96" (24.3mm) | 0.42oz (11.9g) |
| <b>B14-01F</b>  | 1/4"    | 1/8" Female NPT | 10           | Yes   | 9/16"  | 1.04" (26.4mm) | 0.49oz (13.8g) |
| <b>B14-02F</b>  |         | 1/4" Female NPT |              |       | 11/16" | 1.22" (30.9mm) | 0.93oz (26.3g) |
| <b>B516-01F</b> | 5/16"   | 1/8" Female NPT | 10           | No    | 9/16"  | 1.03" (26.1mm) | 0.70oz (19.8g) |
| <b>B516-02F</b> |         | 1/4" Female NPT |              | Yes   | 11/16" | 1.22" (30.9mm) | 1.00oz (28.3g) |
| <b>B38-02F</b>  | 3/8"    | 1/4" Female NPT | 10           | Yes   | 11/16" | 1.29" (32.7mm) | 1.16oz (32.8g) |
| <b>B38-03F</b>  |         | 3/8" Female NPT |              |       | 13/16" |                | 1.34oz (37.9g) |

### Metric Tube Sizes

| Model             | Tube OD | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|-------------------|---------|----------------------|--------------|-------|------|----------------|----------------|
| <b>B04-01F-PP</b> | 4mm     | 1/8" Female BSPP (G) | 10           | No    | 9mm  | 0.92" (23.5mm) | 0.35oz (10.0g) |
| <b>B06-01F-PP</b> | 6mm     | 1/8" Female BSPP (G) | 10           | No    | 12mm | 1.02" (26.0mm) | 0.53oz (15.1g) |
| <b>B06-02F-PP</b> |         | 1/4" Female BSPP (G) |              |       |      | 1.18" (30.0mm) | 0.65oz (18.5g) |
| <b>B08-01F-PP</b> | 8mm     | 1/8" Female BSPP (G) | 10           | No    | 14mm | 1.02" (26.0mm) | 0.61oz (17.5g) |
| <b>B08-02F-PP</b> |         | 1/4" Female BSPP (G) |              |       |      | 1.18" (30.0mm) | 0.71oz (20.2g) |
| <b>B10-02F-PP</b> | 10mm    | 1/4" Female BSPP (G) | 10           | Yes   | 16mm | 1.25" (32.0mm) | 0.79oz (22.4g) |
| <b>B10-03F-PP</b> |         | 3/8" Female BSPP (G) |              | No    |      | 1.31" (33.5mm) | 1.06oz (30.3g) |

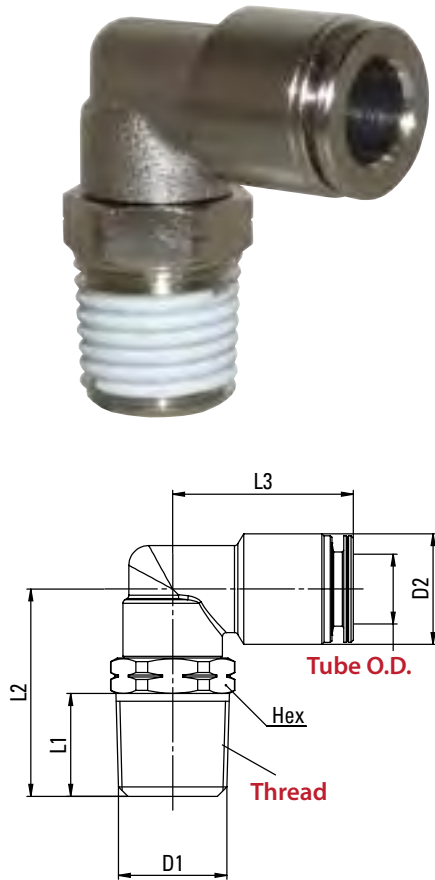


# Technifit™ Push-to-Connect Fittings

## Nickel-Plated Brass-Series: Elbow Fittings

### Swivel Male Elbow

Swivel Male Elbows feature a push-to-connect port arranged 90° from a swivel male thread. These fittings are constructed of nickel-plated brass.

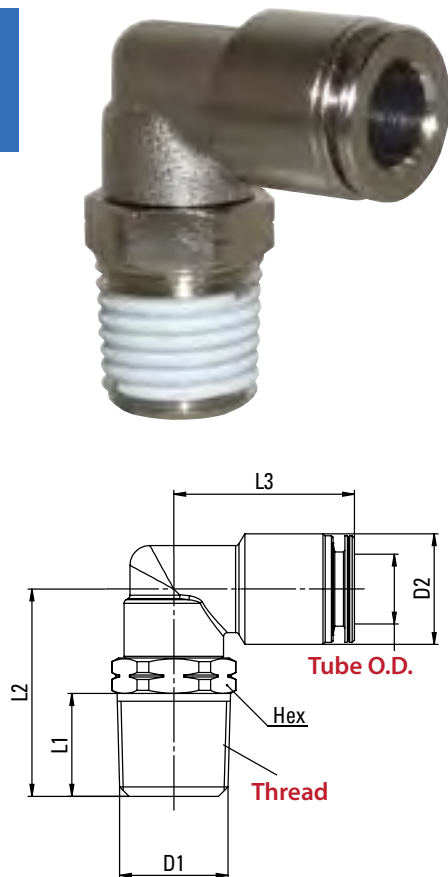


Fractional Tube Sizes

| Model       | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|-------------|---------|---------------|--------------|-------|--------|----------------|----------------|
| B18-1032ML  | 1/8"    | 10-32 Male    | 10           | Yes   | 3/8"   | 0.64" (16.2mm) | 0.28oz (7.93g) |
| B18-01ML    |         | 1/8" Male NPT |              |       | 7/16"  | 0.72" (18.2mm) | 0.37oz (10.4g) |
| B532-1032ML | 5/32"   | 10-32 Male    | 10           | Yes   | 3/8"   | 0.64" (16.2mm) | 0.35oz (9.92g) |
| B532-01ML   |         | 1/8" Male NPT |              |       | 7/16"  | 0.72" (18.2mm) | 0.44oz (12.4g) |
| B532-02ML   |         | 1/4" Male NPT |              |       | 9/16"  | 1.02" (25.9mm) | 0.79oz (22.3g) |
| B14-01ML    | 1/4"    | 1/8" Male NPT | 10           | Yes   | 1/2"   | 0.82" (20.8mm) | 0.68oz (19.2g) |
| B14-02ML    |         | 1/4" Male NPT |              |       | 9/16"  | 1.02" (25.9mm) | 0.88oz (24.9g) |
| B516-01ML   | 5/16"   | 1/8" Male NPT | 10           | Yes   | 1/2"   | 0.82" (20.8mm) | 0.81oz (22.9g) |
| B516-02ML   |         | 1/4" Male NPT |              |       | 9/16"  | 1.02" (25.9mm) | 1.00oz (28.3g) |
| B516-03ML   |         | 3/8" Male NPT |              |       | 11/16" | 1.12" (28.4mm) | 1.41oz (39.9g) |
| B38-01ML    | 3/8"    | 1/8" Male NPT | 10           | Yes   | 11/16" | 0.94" (23.8mm) | 1.37oz (38.8g) |
| B38-02ML    |         | 1/4" Male NPT |              |       |        | 1.12" (28.4mm) | 1.49oz (42.2g) |
| B38-03ML    |         | 3/8" Male NPT |              |       | 7/8"   | 1.33" (33.7mm) | 1.53oz (43.3g) |
| B38-04ML    |         | 1/2" Male NPT |              |       |        | 1.43" (36.2mm) | 2.18oz (61.8g) |
| B12-02ML    | 1/2"    | 1/4" Male NPT | 10           | Yes   | 13/16" | 1.25" (31.7mm) | 2.38oz (67.4g) |
| B12-03ML    |         | 3/8" Male NPT |              |       |        | 1.43" (36.2mm) | 2.22oz (62.9g) |
| B12-04ML    |         | 1/2" Male NPT |              |       | 7/8"   | 1.43" (36.2mm) | 2.66oz (75.4g) |

# Technifit™ Push-to-Connect Fittings

## Swivel Male Elbow (Continued)



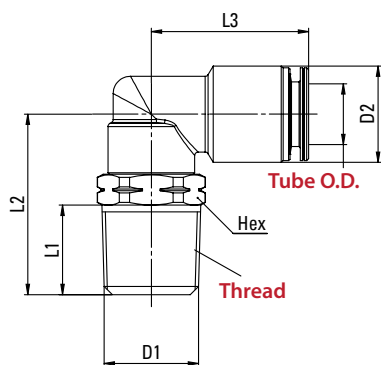
### Metric Tube Sizes

| Model          | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|----------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| B04-01ML-PT    | 4mm     | 1/8" Male BSPT (R) | 10           | Yes   | 10mm | 0.68" (17.5mm) | 0.38oz (10.8g) |
| B04-02ML-PT    |         | 1/4" Male BSPT (R) |              | No    | 14mm | 0.94" (24.0mm) | 0.73oz (20.9g) |
| B04-01ML-PP    |         | 1/8" Male BSPP (G) |              | Yes   | 13mm | 0.70" (18.0mm) | 0.55oz (15.7g) |
| B04-02ML-PP    |         | 1/4" Male BSPP (G) |              |       |      | 0.84" (21.5mm) | 0.67oz (19.0g) |
| B04-M5ML       |         | M5 x 0.8           |              | No    | 9mm  | 0.55" (14.0mm) | 0.31oz (8.80g) |
| B04-M6ML       |         | M6 x 1.0           |              |       |      | 0.57" (14.5mm) | 0.30oz (8.70g) |
| B06-01ML-PT    | 6mm     | 1/8" Male BSPT (R) | 10           | Yes   | 13mm | 0.78" (20.0mm) | 0.68oz (19.4g) |
| B06-02ML-PT    |         | 1/4" Male BSPT (R) |              |       | 14mm | 0.94" (24.0mm) | 0.81oz (23.1g) |
| B06-01ML-PP    |         | 1/8" Male BSPP (G) |              |       | 13mm | 0.70" (18.0mm) | 0.65oz (18.5g) |
| B06-02ML-PP    |         | 1/4" Male BSPP (G) |              |       |      | 0.84" (21.5mm) | 0.76oz (21.8g) |
| B06-M5ML       |         | M5 x 0.8           |              | No    | 9mm  | 0.55" (14.0mm) | 0.41oz (11.9g) |
| B06-M6ML       |         | M6 x 1.0           |              |       |      | 0.57" (14.5mm) | 0.42oz (12.0g) |
| B06-12x1.25*ML |         | M12 x 1.25         |              |       | 13mm | 0.84" (21.5mm) | 0.79oz (22.2g) |
| B06-12x1.5*ML  |         | M12 x 1.50         |              |       |      |                | 0.77oz (22.1g) |
| B08-01ML-PT    | 8mm     | 1/8" Male BSPT (R) | 10           | Yes   | 13mm | 0.78" (20.0mm) | 0.80oz (22.8g) |
| B08-02ML-PT    |         | 1/4" Male BSPT (R) |              |       | 14mm | 0.94" (24.0mm) | 0.93oz (26.4g) |
| B08-03ML-PT    |         | 3/8" Male BSPT (R) |              |       | 18mm | 1.06" (27.0mm) | 1.38oz (39.2g) |
| B08-01ML-PP    |         | 1/8" Male BSPP (G) |              |       | 13mm | 0.70" (18.0mm) | 0.77oz (22.0g) |
| B08-02ML-PP    |         | 1/4" Male BSPP (G) |              |       |      | 0.84" (21.5mm) | 0.90oz (25.3g) |
| B08-03ML-PP    |         | 3/8" Male BSPP (G) |              |       | 16mm | 1.00" (25.5mm) | 1.32oz (37.7g) |
| B10-02ML-PT    | 10mm    | 1/4" Male BSPT (R) | 10           | Yes   | 18mm | 1.04" (26.5mm) | 1.36oz (38.6g) |
| B10-03ML-PT    |         | 3/8" Male BSPT (R) |              |       |      | 0.94" (27.0mm) | 1.44oz (41.0g) |
| B10-02ML-PP    |         | 1/4" Male BSPP (G) |              | No    | 16mm | 0.86" (22.0mm) | 1.19oz (34.0g) |
| B10-03ML-PP    |         | 3/8" Male BSPP (G) |              |       |      | 1.00" (25.5mm) | 1.39oz (39.5g) |
| B10-04ML-PP    |         | 1/2" Male BSPP (G) |              |       |      | 1.08" (27.5mm) | 1.52oz (43.2g) |
| B12-03ML-PT    | 12mm    | 3/8" Male BSPT (R) | 10           | Yes   | 20mm | 1.20" (30.5mm) | 2.15oz (61.8g) |
| B12-04ML-PT    |         | 1/2" Male BSPT (R) |              | No    | 22mm | 1.31" (33.5mm) | 2.52oz (71.5g) |
| B12-02ML-PP    |         | 1/4" Male BSPP (G) |              | Yes   | 20mm | 1.00" (25.5mm) | 2.06oz (58.5g) |
| B12-03ML-PP    |         | 3/8" Male BSPP (G) |              | No    |      | 1.02" (26.0mm) | 2.01oz (57.0g) |
| B12-04ML-PP    |         | 1/2" Male BSPP (G) |              | Yes   |      | 1.20" (30.5mm) | 2.29oz (65.1g) |
| B14-03ML-PT    | 14mm    | 3/8" Male BSPT (R) | 10           | No    | 20mm | 1.20" (30.5mm) | 2.33oz (66.2g) |
| B14-04ML-PT    |         | 1/2" Male BSPT (R) |              |       | 22mm | 1.31" (33.5mm) | 2.63oz (74.6g) |
| B14-03ML-PP    |         | 3/8" Male BSPP (G) |              |       | 20mm | 1.22" (31.0mm) | 2.17oz (61.6g) |
| B14-04ML-PP    |         | 1/2" Male BSPP (G) |              |       |      |                | 2.46oz (69.9g) |

# Technifit™ Push-to-Connect Fittings

## Rigid Male Elbow

Swivel Male Elbows feature a push-to-connect port arranged 90° from a rigid male thread. These fittings are constructed of nickel-plated brass.



### Fractional Tube Sizes

| Model      | Tube OD | Thread        | Package Qty. | Stock | Hex  | Length         | Weight         |
|------------|---------|---------------|--------------|-------|------|----------------|----------------|
| B532-01MLR | 5/32"   | 1/8" Male NPT | 10           | Yes   | 8mm  | 0.61" (15.4mm) | 0.31oz (8.78g) |
| B14-01MLR  | 1/4"    | 1/8" Male NPT | 10           | Yes   | 10mm | 0.62" (15.7mm) | 0.45oz (12.7g) |
| B14-02MLR  |         | 1/4" Male NPT |              |       |      | 0.78" (19.8mm) | 0.60oz (17.0g) |
| B516-01MLR | 5/16"   | 1/8" Male NPT | 10           | Yes   | 12mm | 0.66" (16.7mm) | 0.72oz (20.4g) |
| B516-02MLR |         | 1/4" Male NPT |              | No    |      | 0.82" (20.8mm) | 0.79oz (22.3g) |
| B38-02MLR  | 3/8"    | 1/4" Male NPT | 10           | Yes   | 14mm | 0.88" (22.3mm) | 1.04oz (29.4g) |
| B38-03MLR  |         | 3/8" Male NPT |              | No    |      |                | 1.18oz (33.4g) |

### Male Tube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| B04-01MLR-PT | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 9mm  | 0.59" (15.0mm) | 0.28oz (8.10g) |
| B04-02MLR-PT |         | 1/4" Male BSPT (R) |              |       |      | 0.72" (18.5mm) | 0.49oz (13.9g) |
| B06-01MLR-PT | 6mm     | 1/8" Male BSPT (R) | 10           | Yes   | 10mm | 0.59" (15.0mm) | 0.46oz (13.2g) |
| B06-02MLR-PT |         | 1/4" Male BSPT (R) |              | No    |      | 0.72" (18.5mm) | 0.58oz (16.7g) |
| B08-01MLR-PT | 8mm     | 1/8" Male BSPT (R) | 10           | No    | 12mm | 0.74" (19.0mm) | 0.69oz (19.6g) |
| B08-02MLR-PT |         | 1/4" Male BSPT (R) |              |       |      | 0.82" (21.0mm) | 0.79oz (22.6g) |
| B10-02MLR-PT | 10mm    | 1/4" Male BSPT (R) | 10           | No    | 14mm | 0.86" (22.0mm) | 0.95oz (27.1g) |
| B10-03MLR-PT |         | 3/8" Male BSPT (R) |              |       |      | 0.88" (22.5mm) | 1.13oz (32.1g) |

# Technifit™ Push-to-Connect Fittings

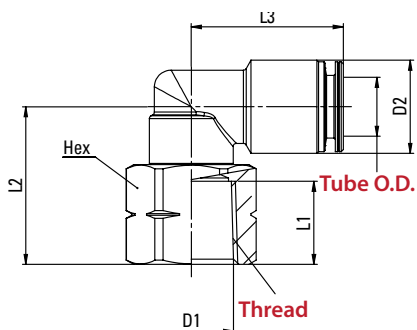
## Swivel Female Elbow

Swivel Female Elbows feature a push-to-connect port arranged 90° from a swivel female thread. These fittings are constructed of nickel-plated brass.



### Fractional Tube Sizes

| Model     | Tube OD | Thread          | Package Qty. | Stock | Hex    | Length         | Weight         |
|-----------|---------|-----------------|--------------|-------|--------|----------------|----------------|
| B532-01FL | 5/32"   | 1/8" Female NPT | 10           | No    | 9/16"  | 0.76" (19.3mm) | 0.74oz (20.9g) |
| B14-01FL  | 1/4"    | 1/8" Female NPT | 10           | No    | 9/16"  | 0.76" (19.3mm) | 0.81oz (22.9g) |
| B14-02FL  |         | 1/4" Female NPT |              | Yes   | 11/16" | 0.92" (23.3mm) | 1.12oz (31.7g) |
| B516-01FL | 5/16"   | 1/8" Female NPT | 10           | No    | 9/16"  | 0.76" (19.3mm) | 0.93oz (26.3g) |
| B516-02FL |         | 1/4" Female NPT |              | No    | 11/16" | 0.92" (23.3mm) | 1.28oz (36.2g) |
| B38-02FL  | 3/8"    | 1/4" Female NPT | 10           | Yes   | 11/16" | 1.00" (25.4mm) | 1.57oz (44.5g) |
| B38-03FL  |         | 3/8" Female NPT |              | No    | 13/16" |                | 1.72oz (48.7g) |



### Male Tube Sizes

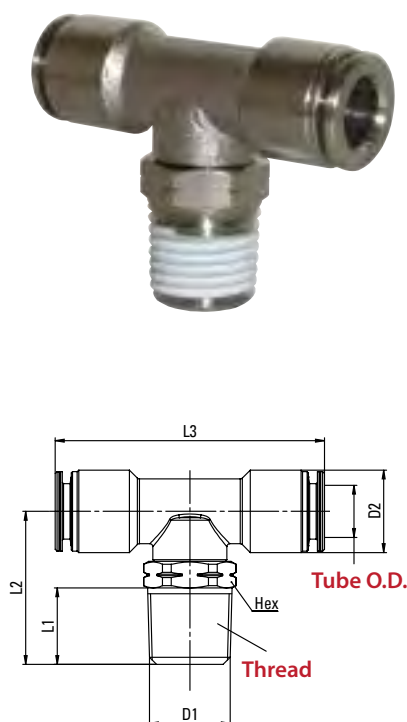
| Model       | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| B04-01FL-PT | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 13mm | 0.68" (17.5mm) | 0.61oz (17.3g) |
| B06-01FL-PT | 6mm     | 1/8" Male BSPT (R) | 10           | Yes   | 13mm | 0.68" (17.5mm) | 0.69oz (19.7g) |
| B06-02FL-PT |         | 1/4" Male BSPT (R) |              | No    | 16mm | 0.84" (21.5mm) | 0.89oz (25.4g) |
| B08-01FL-PT | 8mm     | 1/8" Male BSPT (R) | 10           | No    | 13mm | 0.68" (17.5mm) | 0.81oz (23.1g) |
| B08-02FL-PT |         | 1/4" Male BSPT (R) |              | No    | 16mm | 0.84" (21.5mm) | 1.02oz (29.1g) |
| B10-02FL-PT | 10mm    | 1/4" Male BSPT (R) | 10           | No    | 16mm | 1.02" (26.0mm) | 1.25oz (35.6g) |
| B10-03FL-PT |         | 3/8" Male BSPT (R) |              | No    | 20mm |                | 1.53oz (43.5g) |

# Technifit™ Push-to-Connect Fittings

## Nickel-Plated Brass-Series: Tee Fittings

### Swivel Male Branch Tee

Swivel Male Branch Tees feature two opposing push-to-connect ports, with a male swivel thread arranged 90°. These fittings are constructed of nickel-plated brass.



Fractional Tube Sizes

| Model     | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|-----------|---------|---------------|--------------|-------|--------|----------------|----------------|
| B18-01MT  | 1/8"    | 1/8" Male NPT | 10           | Yes   | 7/16"  | 1.14" (28.9mm) | 0.67oz (18.9g) |
| B532-01MT | 5/32"   | 1/8" Male NPT | 10           | Yes   | 1/2"   | 1.49" (37.8mm) | 0.78oz (22.1g) |
| B532-02MT |         | 1/4" Male NPT |              |       | 9/16"  |                | 0.97oz (27.4g) |
| B14-01MT  | 1/4"    | 1/8" Male NPT | 10           | Yes   | 1/2"   | 1.69" (42.9mm) | 0.91oz (25.7g) |
| B14-02MT  |         | 1/4" Male NPT |              |       | 9/16"  |                | 1.07oz (30.3g) |
| B516-01MT | 5/16"   | 1/8" Male NPT | 10           | Yes   | 1/2"   | 1.73" (43.9mm) | 1.11oz (32.3g) |
| B516-02MT |         | 1/4" Male NPT |              |       | 9/16"  |                | 1.30oz (36.8g) |
| B38-02MT  | 3/8"    | 1/4" Male NPT | 10           | Yes   | 11/16" | 1.96" (49.7mm) | 1.90oz (53.8g) |
| B38-03MT  |         | 3/8" Male NPT |              |       |        |                | 1.94oz (54.9g) |
| B12-02MT  | 1/2"    | 1/4" Male NPT | 10           | Yes   | 13/16" | 2.16" (54.8mm) | 2.75oz (77.9g) |
| B12-03MT  |         | 3/8" Male NPT |              |       | 7/8"   |                | 3.17oz (89.8g) |

Metric Tube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex            | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|----------------|----------------|----------------|
| B04-01MT-PT  | 4mm     | 1/8" Male BSPT (R) | 10           | Yes   | 13mm           | 1.53" (39.0mm) | 0.75oz (21.5g) |
| B04-02MT-PT  |         | 1/4" Male BSPT (R) |              |       | 14mm           |                | 0.90oz (25.6g) |
| B04-01MT-PP  |         | 1/8" Male BSPP (G) |              | No    | 13mm           |                | 0.71oz (20.2g) |
| B04-02MT-PP  |         | 1/4" Male BSPP (G) |              |       | 0.84oz (23.9g) |                |                |
| B06-01MT-PT  | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 13mm           | 1.73" (44.0mm) | 0.92oz (26.3g) |
| B06-02MT-PT  |         | 1/4" Male BSPT (R) |              | Yes   | 14mm           |                | 1.07oz (30.4g) |
| B06-01MT-PP  |         | 1/8" Male BSPP (G) |              | No    | 13mm           |                | 0.88oz (25.2g) |
| B06-02MT-PP  |         | 1/4" Male BSPP (G) |              |       | 1.02oz (29.1g) |                |                |
| B08-01MT-PT  | 8mm     | 1/8" Male BSPT (R) | 10           | Yes   | 14mm           | 1.77" (45.0mm) | 1.09oz (31.1g) |
| B08-02MT-PT  |         | 1/4" Male BSPT (R) |              |       |                | 1.24oz (35.3g) |                |
| B08-03MT-PT  |         | 3/8" Male BSPT (R) |              |       |                | 1.81" (46.0mm) | 1.73oz (49.1g) |
| B08-01MT-PP  |         | 1/8" Male BSPP (G) |              | No    |                | 1.77" (45.0mm) | 1.08oz (30.7g) |
| B08-02MT-PP  |         | 1/4" Male BSPP (G) |              |       |                | 1.18oz (33.6g) |                |
| B08-03MT-PP  |         | 3/8" Male BSPP (G) |              |       |                | 1.81" (46.0mm) | 1.63oz (46.4g) |
| B10-02MT-PT  | 10mm    | 1/4" Male BSPT (R) | 10           | Yes   | 18mm           | 1.92" (49.0mm) | 1.76oz (50.0g) |
| B10-03MT-PT  |         | 3/8" Male BSPT (R) |              |       | 1.82oz (51.6g) |                |                |
| B10-02MT-PP  |         | 1/4" Male BSPP (G) |              | No    | 16mm           | 1.81" (46.0mm) | 1.56oz (44.4g) |
| B10-03MT-PP  |         | 3/8" Male BSPP (G) |              |       | 1.92" (49.0mm) | 1.75oz (49.7g) |                |
| B12-03MT-PT  | 12mm    | 3/8" Male BSPT (R) | 10           | Yes   | 20mm           | 2.24" (57.0mm) | 2.82oz (80.0g) |
| B12-04 MT-PT |         | 1/2" Male BSPT (R) |              |       | 22mm           |                | 2.94oz (83.5g) |
| B12-03MT-PP  |         | 3/8" Male BSPP (G) |              | No    | 20mm           |                | 2.65oz (75.3g) |
| B12-04 MT-PP |         | 1/2" Male BSPP (G) |              |       | 2.89oz (82.0g) |                |                |

# Technifit™ Push-to-Connect Fittings

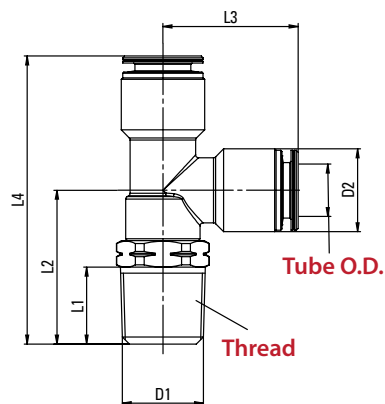
## Swivel Male Run Tee

Swivel Male Run Tees feature a push-to-connect port opposing a male swivel thread, with a push-to-connect port arranged 90°. These fittings are constructed of nickel-plated brass.



Fractional Tube Sizes

| Model     | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|-----------|---------|---------------|--------------|-------|--------|----------------|----------------|
| B18-01RT  | 1/8"    | 1/8" Male NPT | 10           | No    | 7/16"  | 1.47" (37.3mm) | 0.68oz (19.2g) |
| B532-01RT | 5/32"   | 1/8" Male NPT | 10           | Yes   | 1/2"   | 1.57" (39.8mm) | 0.81oz (22.9g) |
| B532-02RT |         | 1/4" Male NPT |              | No    | 9/16"  | 1.77" (44.9mm) | 0.98oz (27.7g) |
| B14-01RT  | 1/4"    | 1/8" Male NPT | 10           | Yes   | 1/2"   | 1.67" (42.4mm) | 0.93oz (26.3g) |
| B14-02RT  |         | 1/4" Male NPT |              |       | 9/16"  | 1.87" (47.4mm) | 1.09oz (30.9g) |
| B516-01RT | 5/16"   | 1/8" Male NPT | 10           | No    | 1/2"   | 1.69" (42.9mm) | 1.12oz (31.7g) |
| B516-02RT |         | 1/4" Male NPT |              | Yes   | 9/16"  | 1.88" (47.7mm) | 1.32oz (37.4g) |
| B38-02RT  | 3/8"    | 1/4" Male NPT | 10           | Yes   | 11/16" | 2.10" (53.3mm) | 1.90oz (53.8g) |
| B38-03RT  |         | 3/8" Male NPT |              |       | 11/16" |                | 1.94oz (54.9g) |
| B12-03RT  | 1/2"    | 3/8" Male NPT | 10           | Yes   | 13/16" | 2.34" (59.4mm) | 2.73oz (77.3g) |
| B12-04RT  |         | 1/2" Male NPT |              | No    | 7/8"   | 2.51" (63.7mm) | 3.18oz (90.1g) |



Metric Tube Sizes

| Model       | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| B04-01RT-PT | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 13mm | 1.55" (39.5mm) | 0.77oz (22.0g) |
| B04-02RT-PT |         | 1/4" Male BSPT (R) |              |       | 14mm | 1.71" (43.5mm) | 0.89oz (25.5g) |
| B04-01RT-PP |         | 1/8" Male BSPP (G) |              |       | 13mm | 1.47" (37.5mm) | 0.73oz (20.5g) |
| B04-02RT-PP |         | 1/4" Male BSPP (G) |              |       |      | 1.61" (41.0mm) | 0.84oz (24.0g) |
| B06-01RT-PT | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 13mm | 1.65" (42.0mm) | 0.97oz (27.5g) |
| B06-02RT-PT |         | 1/4" Male BSPT (R) |              |       | 14mm | 1.81" (46.0mm) | 1.09oz (31.0g) |
| B06-01RT-PP |         | 1/8" Male BSPP (G) |              |       | 13mm | 1.57" (40.0mm) | 0.91oz (26.0g) |
| B06-02RT-PP |         | 1/4" Male BSPP (G) |              |       |      | 1.71" (43.5mm) | 1.04oz (29.5g) |
| B08-01RT-PT | 8mm     | 1/8" Male BSPT (R) | 10           | No    | 13mm | 1.67" (42.5mm) | 1.09oz (31.0g) |
| B08-02RT-PT |         | 1/4" Male BSPT (R) |              |       | 14mm | 1.83" (46.5mm) | 1.23oz (35.0g) |
| B08-01RT-PP |         | 3/8" Male BSPT (R) |              |       | 13mm | 1.59" (40.5mm) | 1.05oz (30.0g) |
| B08-02RT-PP |         | 1/8" Male BSPP (G) |              |       |      | 1.73" (44.0mm) | 1.18oz (33.5g) |
| B10-02RT-PT | 10mm    | 1/4" Male BSPP (G) | 10           | No    | 18mm | 2.06" (52.5mm) | 1.76oz (50.0g) |
| B10-03RT-PT |         | 3/8" Male BSPP (G) |              |       |      | 2.08" (53.0mm) | 1.79oz (51.0g) |
| B10-02RT-PP |         | 1/4" Male BSPT (R) |              |       | 16mm | 1.88" (48.0mm) | 1.55oz (44.0g) |
| B10-03RT-PP |         | 3/8" Male BSPT (R) |              |       |      | 2.02" (51.5mm) | 1.72oz (49.0g) |
| B12-03RT-PT | 12mm    | 1/4" Male BSPP (G) | 10           | No    | 20mm | 2.32" (59.0mm) | 2.64oz (75.0g) |
| B12-04RT-PT |         | 3/8" Male BSPP (G) |              |       | 22mm | 2.44" (62.0mm) | 2.92oz (83.5g) |
| B12-03RT-PP |         | 3/8" Male BSPT (R) |              |       | 20mm | 2.14" (54.5mm) | 2.57oz (73.0g) |
| B12-04RT-PP |         | 1/2" Male BSPT (R) |              |       |      | 2.32" (59.0mm) | 2.71oz (77.0g) |

# Technifit™ Push-to-Connect Fittings

## Nickel-Plated Brass-Series: Union Fittings

### Straight Union (Reducers Included)

Straight Unions feature two opposing push-to-connect ports, allowing two sections of tubing to be joined. These fittings are constructed of nickel-plated brass.



#### Fractional Tube Sizes

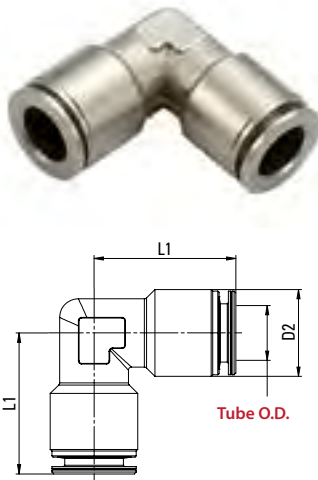
| Model      | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|------------|-----------|-----------|--------------|-------|----------------|----------------|
| B18U       | 1/8"      | 1/8"      | 10           | Yes   | 0.86" (21.8mm) | 0.10oz (2.83g) |
| B532U(4MM) | 5/32"     | 5/32"     | 10           | Yes   | 1.06" (26.9mm) | 0.26oz (7.37g) |
| B14U       | 1/4"      | 1/4"      | 10           | Yes   | 1.29" (32.7mm) | 0.47oz (13.3g) |
| B516U(8MM) | 5/16"     | 5/16"     | 10           | Yes   | 1.29" (32.7mm) | 0.63oz (17.8g) |
| B38U       | 3/8"      | 3/8"      | 10           | Yes   | 1.45" (36.8mm) | 0.88oz (24.9g) |
| B12U       | 1/2"      | 1/2"      | 10           | Yes   | 1.53" (38.8mm) | 1.11oz (31.1g) |

#### Metric Tube Sizes

| Model      | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|------------|-----------|-----------|--------------|-------|----------------|----------------|
| B532U(4MM) | 4mm       | 4mm       | 10           | Yes   | 1.10" (28.0mm) | 0.09oz (2.70g) |
| B06U       | 6mm       | 6mm       | 10           | Yes   | 1.31" (33.5mm) | 0.52oz (15.0g) |
| B06-04U    |           | 4mm       |              | No    | 1.22" (31.0mm) | 0.51oz (14.7g) |
| B516U(8MM) | 8mm       | 8mm       | 10           | Yes   | 1.33" (34.0mm) | 0.63oz (18.0g) |
| B08-06U    |           | 6mm       |              | Yes   |                | 0.74oz (21.0g) |
| B10U       | 10mm      | 10mm      | 10           | Yes   | 1.51" (38.5mm) | 0.79oz (22.5g) |
| B10-08U    |           | 8mm       |              | No    | 1.43" (36.5mm) | 0.88oz (25.2g) |
| B12MU      | 12mm      | 12mm      | 10           | Yes   | 1.61" (41.0mm) | 1.29oz (36.6g) |
| B14MU      | 14mm      | 14mm      | 10           | No    | 1.85" (47.0mm) | 1.67oz (47.4g) |

### Union Elbow

Union Elbows feature two push-to-connect ports arranged 90° apart, allowing two sections of tubing to be joined. These fittings are constructed of nickel-plated brass.



#### Fractional Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| B18UL       | 1/8"      | 1/8"      | 10           | Yes   | 0.59" (14.9mm) | 0.15oz (4.25g) |
| B532UL(4MM) | 5/32"     | 5/32"     | 10           | Yes   | 0.66" (16.7mm) | 0.33oz (9.35g) |
| B14UL       | 1/4"      | 1/4"      | 10           | Yes   | 0.78" (19.8mm) | 0.54oz (15.3g) |
| B516UL(8MM) | 5/16"     | 5/16"     | 10           | Yes   | 0.84" (21.3mm) | 0.82oz (23.2g) |
| B38UL       | 3/8"      | 3/8"      | 10           | Yes   | 0.96" (24.3mm) | 1.12oz (31.7g) |
| B12UL       | 1/2"      | 1/2"      | 10           | Yes   | 1.00" (25.4mm) | 1.81oz (51.3g) |

#### Metric Tube Sizes

| Model       | Tube OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|---------|-----------|--------------|-------|----------------|----------------|
| B532UL(4MM) | 4mm     | 4mm       | 10           | Yes   | 0.68" (17.5mm) | 0.31oz (9.00g) |
| B06UL       | 6mm     | 6mm       | 10           | Yes   | 0.80" (20.5mm) | 0.58oz (16.5g) |
| B516UL(8MM) | 8mm     | 8mm       | 10           | Yes   | 0.88" (22.5mm) | 0.77oz (22.0g) |
| B10UL       | 10mm    | 10mm      | 10           | Yes   | 0.98" (25.0mm) | 1.04oz (29.5g) |
| B12MUL      | 12mm    | 12mm      | 10           | Yes   | 1.04" (26.5mm) | 1.71oz (48.5g) |
| B14MUL      | 14mm    | 14mm      | 10           | No    | 1.24" (31.5mm) | 2.04oz (58.0g) |

# Technifit™ Push-to-Connect Fittings

## Union Tee

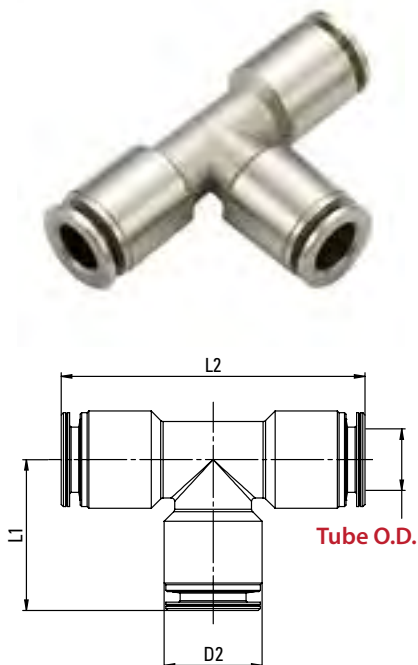
Union Tees feature two opposing push-to-connect ports with a third arranged 90° apart. These fittings are constructed of nickel-plated brass.

### Fractional Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| B18UT       | 1/8"      | 1/8"      | 10           | Yes   | 1.18" (29.9mm) | 0.19oz (5.38g) |
| B532UT(4MM) | 5/32"     | 5/32"     | 10           | Yes   | 1.33" (33.7mm) | 0.44oz (12.4g) |
| B14UT       | 1/4"      | 1/4"      | 10           | Yes   | 1.57" (42.4mm) | 0.72oz (20.4g) |
| B516UT(8MM) | 5/16"     | 5/16"     | 10           | Yes   | 1.69" (42.9mm) | 0.98oz (27.7g) |
| B38UT       | 3/8"      | 3/8"      | 10           | Yes   | 1.92" (48.7mm) | 1.48oz (41.9g) |
| B12UT       | 1/2"      | 1/2"      | 10           | Yes   | 2.00" (50.8mm) | 2.08oz (58.9g) |

### Metric Tube Sizes

| Model       | Tube OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|---------|-----------|--------------|-------|----------------|----------------|
| B532UT(4MM) | 4mm     | 4mm       | 10           | Yes   | 1.37" (35.0mm) | 0.44oz (12.5g) |
| B06UT       | 6mm     | 6mm       | 10           | Yes   | 1.57" (40.0mm) | 0.79oz (22.5g) |
| B516UT(8MM) | 8mm     | 8mm       | 10           | Yes   | 1.65" (42.0mm) | 1.00oz (28.4g) |
| B10UT       | 10mm    | 10mm      | 10           | Yes   | 1.92" (49.0mm) | 1.38oz (39.2g) |
| B12MUT      | 12mm    | 12mm      | 10           | Yes   | 2.04" (52.0mm) | 2.16oz (61.3g) |
| B14MUT      | 14mm    | 14mm      | 10           | No    | 2.40" (61.0mm) | 2.71oz (77.1g) |



## Union “Y” (Reducers Included)

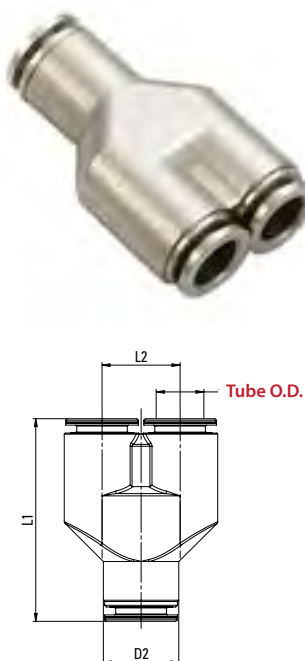
Union “Y” fittings feature a single push-to-connect port opposed to two parallel push-to-connect ports. These fittings are constructed of nickel-plated brass.

### Fractional Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| B18UY       | 1/8"      | 1/8"      | 10           | Yes   | 1.18" (29.9mm) | 0.19oz (5.38g) |
| B532UY(4MM) | 5/32"     | 5/32"     | 10           | Yes   | 1.33" (33.7mm) | 0.44oz (12.4g) |
| B14UY       | 1/4"      | 1/4"      | 10           | Yes   | 1.57" (42.4mm) | 0.72oz (20.4g) |
| B516UY(6MM) | 5/16"     | 5/16"     | 10           | Yes   | 1.69" (42.9mm) | 0.98oz (27.7g) |

### Metric Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| B532UY(4MM) | 4mm       | 4mm       | 10           | Yes   | 1.16" (29.5mm) | 0.47oz (13.5g) |
| B06UY       | 6mm       | 6mm       | 10           | Yes   | 1.41" (36.0mm) | 1.12oz (32.0g) |
| B06-04UY    |           | 4mm       |              | No    |                | 1.27oz (36.1g) |
| B516UY(8MM) | 8mm       | 8mm       | 10           | Yes   | 1.47" (37.5mm) | 1.49oz (42.5g) |
| B08-06UY    |           | 6mm       |              | No    |                | 1.80oz (51.1g) |
| B10UY       | 10mm      | 10mm      | 10           | No    | 1.75" (44.5mm) | 2.21oz (62.7g) |
| B10-08UY    |           | 8mm       |              |       | 1.73" (44.0mm) | 2.64oz (74.9g) |



# Technifit™ Push-to-Connect Fittings

## Nickel-Plated Brass-Series: Plug-In Reducers

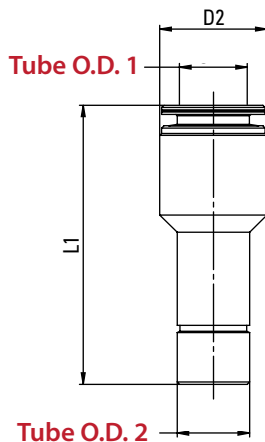
### Plug-In Tube Reducer

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



#### Fractional Tube Sizes

| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|----------|-----------|-----------|--------------|-------|----------------|----------------|
| B18-532R | 1/8"      | 5/32"     | 10           | No    | 1.14" (28.9mm) | 0.08oz (2.26g) |
| B532-14R | 5/32"     | 1/4"      | 10           | Yes   | 1.20" (30.4mm) | 0.26oz (7.37g) |
| B14-516R | 1/4"      | 5/16"     | 10           | No    | 1.29" (32.7mm) | 0.40oz (11.3g) |
| B14-38R  |           | 3/8"      |              | Yes   | 1.37" (34.7mm) | 0.47oz (13.3g) |
| B14-12R  |           | 1/2"      |              | No    | 1.37" (34.7mm) | 0.88oz (24.9g) |
| B516-38R | 5/16"     | 3/8"      | 10           | Yes   | 1.37" (34.7mm) | 0.54oz (15.3g) |
| B38-12R  | 3/8"      | 1/2"      | 10           | No    | 1.41" (35.8mm) | 0.86oz (24.3g) |



#### Metric Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|---------|-----------|-----------|--------------|-------|----------------|----------------|
| B04-06R | 4mm       | 6mm       | 10           | Yes   | 1.31" (33.5mm) | 0.24oz (7.00g) |
| B04-08R |           | 8mm       |              | No    | 1.24" (31.5mm) | 0.35oz (10.0g) |
| B04-10R |           | 10mm      |              |       | 1.24" (31.5mm) | 0.52oz (15.0g) |
| B04-12R |           | 12mm      |              |       | 1.27" (32.5mm) | 0.86oz (24.5g) |
| B06-04R | 6mm       | 4mm       | 10           | Yes   | 1.39" (35.5mm) | 0.35oz (10.0g) |
| B06-08R |           | 8mm       |              | No    | 1.43" (36.5mm) | 0.40oz (11.5g) |
| B06-10R |           | 10mm      |              |       | 1.43" (36.5mm) | 0.58oz (16.5g) |
| B06-12R |           | 12mm      |              | Yes   | 1.39" (35.5mm) | 0.79oz (22.2g) |
| B06-14R |           | 14mm      |              |       | 1.47" (37.5mm) | 0.88oz (25.0g) |
| B08-06R | 8mm       | 6mm       | 10           | No    | 1.55" (39.5mm) | 0.47oz (13.5g) |
| B08-10R |           | 10mm      |              | Yes   | 1.45" (37.0mm) | 0.52oz (15.0g) |
| B08-12R |           | 12mm      |              | No    | 1.53" (39.0mm) | 0.81oz (23.0g) |
| B08-14R |           | 14mm      |              | Yes   | 1.51" (38.5mm) | 1.11oz (31.5g) |
| B10-12R | 10mm      | 12mm      | 10           | No    | 1.65" (42.0mm) | 0.70oz (20.0g) |
| B10-14R |           | 14mm      |              | Yes   | 1.65" (42.0mm) | 1.04oz (29.5g) |
| B12-14R | 12mm      | 14mm      | 10           |       | 1.69" (43.0mm) | 0.84oz (24.0g) |

# Technifit™ Push-to-Connect Fittings

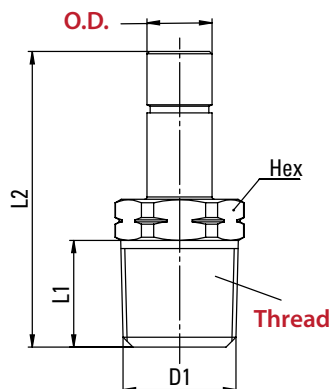
## Plug-In Stem Adapter

Plug-In stem adapters feature an insert stem opposed to a male thread. These fittings are constructed of nickel-plated brass.



Fractional Tube Sizes

| Model        | Tube OD | Thread        | Package Qty. | Stock | Length         | Weight         |
|--------------|---------|---------------|--------------|-------|----------------|----------------|
| B532-1032SA* | 5/32"   | 10-32 Male    | 10           | No    | 0.98" (24.8mm) | 0.08oz (2.26g) |
| B532-01SA*   |         | 1/8" Male NPT |              |       | 1.12" (28.4mm) | 0.24oz (6.80g) |
| B532-02SA*   |         | 1/4" Male NPT |              |       | 1.31" (33.2mm) | 0.49oz (13.8g) |
| B14-01SA     | 1/4"    | 1/8" Male NPT | 10           | Yes   | 1.20" (30.4mm) | 0.30oz (8.50g) |
| B14-02SA     |         | 1/4" Male NPT |              |       | 1.39" (35.3mm) | 0.52oz (14.7g) |
| B516-01SA    | 5/16"   | 1/8" Male NPT | 10           | Yes   | 1.27" (32.2mm) | 0.31oz (8.78g) |
| B516-02SA    |         | 1/4" Male NPT |              | No    | 1.47" (37.3mm) | 0.54oz (15.3g) |
| B38-02SA     | 3/8"    | 1/4" Male NPT | 10           | No    | 1.55" (39.3mm) | 0.58oz (16.4g) |
| B38-03SA     |         | 3/8" Male NPT |              |       | 1.57" (39.8mm) | 0.81oz (22.9g) |
| B12-03SA     | 1/2"    | 3/8" Male NPT | 10           | No    | 1.69" (42.9mm) | 0.89oz (25.2g) |
| B12-04SA     |         | 1/2" Male NPT |              |       | 1.88" (47.7mm) | 1.51oz (42.8g) |



Metric Tube Sizes

| Model       | Tube OD | Thread             | Package Qty. | Stock | Length         | Weight         |
|-------------|---------|--------------------|--------------|-------|----------------|----------------|
| B04-01SA-PT | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 1.02" (26.0mm) | 0.25oz (7.20g) |
| B04-02SA-PT |         | 1/4" Male BSPT (R) |              |       | 1.12" (28.5mm) | 0.43oz (12.4g) |
| B04-M5SA    |         | M5 x 0.80          |              |       | 0.94" (24.0mm) | 0.11oz (3.20g) |
| B06-01SA-PT | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 1.10" (28.0mm) | 0.29oz (8.50g) |
| B06-02SA-PT |         | 1/4" Male BSPT (R) |              |       | 1.20" (30.5mm) | 0.48oz (13.7g) |
| B06-M5SA    |         | M5 x 0.80          |              |       | 1.02" (26.0mm) | 0.20oz (5.90g) |
| B08-01SA-PT | 8mm     | 1/8" Male BSPT (R) | 10           | No    | 1.14" (29.0mm) | 0.33oz (9.40g) |
| B08-02SA-PT |         | 1/4" Male BSPT (R) |              |       | 1.25" (31.5mm) | 0.51oz (14.5g) |
| B10-02SA-PT | 10mm    | 1/4" Male BSPT (R) | 10           | No    | 1.27" (32.5mm) | 0.54oz (15.5g) |
| B10-03SA-PT |         | 3/8" Male BSPT (R) |              |       | 1.29" (33.0mm) | 0.77oz (22.0g) |
| B12-03SA-PT | 12mm    | 3/8" Male BSPT (R) | 10           | No    | 1.37" (35.0mm) | 0.83oz (23.6g) |
| B12-04SA-PT |         | 1/2" Male BSPT (R) |              |       | 1.45" (37.0mm) | 1.34oz (38.0g) |

# Technifit™ Push-to-Connect Fittings

## Nickel-Plated Brass-Series: Banjo Fittings

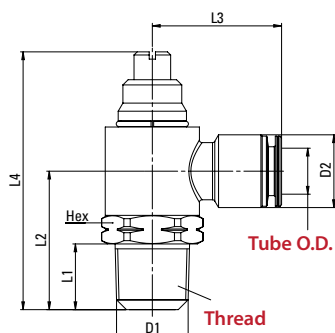


### Swivel Banjo Fittings

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

#### Fractional Tube Sizes

| Model      | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|------------|---------|---------------|--------------|-------|--------|----------------|----------------|
| B532-01MBJ | 5/32"   | 1/8" Male NPT | 10           | No    | 9/16"  | 1.20" (30.4mm) | 1.01oz (28.6g) |
| B14-01MBJ  | 1/4"    | 1/8" Male NPT | 10           | No    | 9/16"  | 1.20" (30.4mm) | 1.05oz (29.7g) |
| B14-02MBJ  |         | 1/4" Male NPT |              | Yes   | 11/16" | 1.47" (37.3mm) | 1.72oz (48.7g) |
| B516-01MBJ | 5/16"   | 1/8" Male NPT | 10           | No    | 9/16"  | 1.20" (30.4mm) | 1.07oz (30.3g) |
| B516-02MBJ |         | 1/8" Male NPT |              |       | 11/16" | 1.47" (37.3mm) | 1.74oz (49.3g) |
| B516-03MBJ |         | 3/8" Male NPT |              |       | 13/16" | 1.61" (40.8mm) | 1.76oz (49.8g) |
| B38-02MBJ  | 3/8"    | 1/4" Male NPT | 10           | No    | 11/16" | 1.47" (37.3mm) | 1.83oz (51.8g) |
| B38-03MBJ  |         | 3/8" Male NPT |              |       | 13/16" | 1.61" (40.8mm) | 2.96oz (83.9g) |



#### Metric Tube Sizes

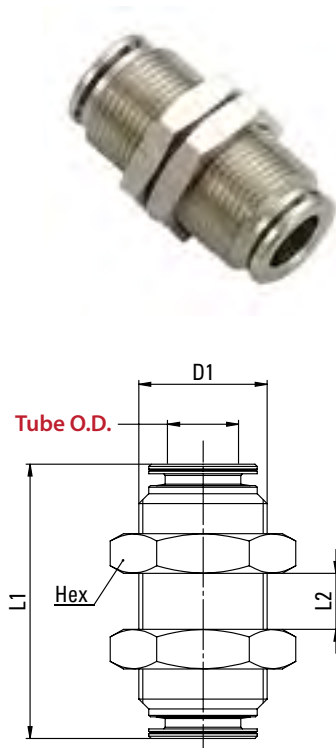
| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|-----|----------------|----------------|
| B04-01MBJ-PT | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 4mm | 1.00" (25.5mm) | 0.78oz (22.2g) |
| B04-M5MBJ    |         | M5 x 0.80          |              |       | 3mm | 0.74" (19.0mm) | 0.35oz (10.1g) |
| B06-01MBJ-PT | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 4mm | 0.88" (22.5mm) | 0.86oz (24.4g) |
| B06-02MBJ-PT |         | 1/4" Male BSPT (R) |              |       | 5mm | 0.94" (24.0mm) | 1.38oz (39.3g) |
| B06-M5MBJ    |         | M5 x 0.80          |              |       | 3mm | 0.84" (21.5mm) | 0.46oz (13.3g) |
| B08-01MBJ-PT | 8mm     | 1/8" Male BSPT (R) | 10           | No    | 4mm | 1.00" (25.5mm) | 0.90oz (25.7g) |
| B08-02MBJ-PT |         | 1/4" Male BSPT (R) |              |       | 5mm | 1.14" (29.0mm) | 1.37oz (39.1g) |
| B10-02MBJ-PT | 10mm    | 1/4" Male BSPT (R) | 10           | No    | 5mm | 1.14" (29.0mm) | 1.53oz (43.6g) |
| B10-03MBJ-PT |         | 3/8" Male BSPT (R) |              |       | 6mm | 1.27" (32.5mm) | 2.19oz (62.2g) |
| B12-03MBJ-PT | 12mm    | 3/8" Male BSPT (R) | 10           | No    | 6mm | 1.27" (32.5mm) | 2.36oz (67.1g) |
| B12-04MBJ-PT |         | 1/2" Male BSPT (R) |              |       | 8mm | 1.55" (39.5mm) | 4.02oz (114g)  |

# Technifit™ Push-to-Connect Fittings

## Nickel-Plated Brass-Series: Bulkhead Fittings

### Bulkhead Union

Bulkhead Unions provide two opposing push-to-connect ports with threaded nuts allowing for installation through a panel or partition. These fittings are composed of nickel-plated brass.



Fractional Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|------|----------------|----------------|----------------|
| B18BU       | 1/8"      | 1/8"      | 10           | No    | 14mm | 0.35" (9.00mm) | 0.86" (21.8mm) | 0.47oz (11.3g) |
| B532BU(4MM) | 5/32"     | 5/32"     | 10           | Yes   | 16mm | 0.43" (11.0mm) | 1.06" (26.9mm) | 0.81oz (22.9g) |
| B14BU       | 1/4"      | 1/4"      | 10           | Yes   | 18mm | 0.51" (13.0mm) | 1.29" (32.7mm) | 1.14oz (32.3g) |
| B516BU(8MM) | 5/16"     | 5/16"     | 10           | Yes   | 20mm | 0.59" (15.0mm) | 1.29" (32.7mm) | 1.37oz (38.8g) |
| B38BU       | 3/8"      | 3/8"      | 10           | Yes   | 22mm | 0.66" (17.0mm) | 1.45" (36.8mm) | 1.88oz (53.2g) |
| B12BU       | 1/2"      | 1/2"      | 10           | Yes   | 26mm | 0.82" (21.0mm) | 1.53" (38.8mm) | 1.94oz (54.9g) |

Metric Tube Sizes

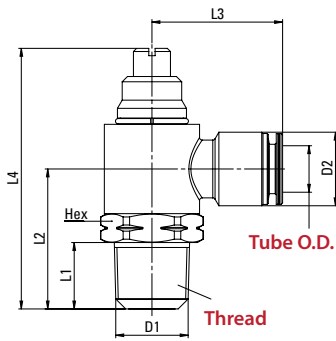
| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|------|----------------|----------------|----------------|
| B532BU(4MM) | 4mm       | 4mm       | 10           | Yes   | 16mm | 0.43" (11.0mm) | 1.10" (28.0mm) | 0.83oz (23.5g) |
| B06BU       | 6mm       | 6mm       | 10           | Yes   | 18mm | 0.51" (13.0mm) | 1.33" (34.0mm) | 1.16oz (33.0g) |
| B516BU(8MM) | 8mm       | 8mm       | 10           | Yes   | 20mm | 0.59" (15.0mm) | 1.33" (34.0mm) | 1.39oz (39.5g) |
| B10BU       | 10mm      | 10mm      | 10           | Yes   | 22mm | 0.66" (17.0mm) | 1.53" (39.0mm) | 1.81oz (51.5g) |
| B12MBU      | 12mm      | 12mm      | 10           | No    | 24mm | 0.74" (19.0mm) | 1.61" (41.0mm) | 2.11oz (60.0g) |

# Technifit™ Push-to-Connect Fittings

## Nickel-Plated Brass-Series: Flow Controls

### Slotted Adjustment Flow Control Elbow

Slotted Adjustment Flow Control Elbows 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.



#### Fractional Tube Sizes

| Model           | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|-----------------|---------|---------------|--------------|-------|--------|----------------|----------------|
| BSC532-1032DC-O | 5/32"   | 10-32 Male    | 10           | No    | 3/8"   | 1.25" (31.7mm) | 0.42oz (11.9g) |
| BSC532-01DC-O   |         | 1/8" Male NPT |              |       | 9/16"  | 1.69" (42.9mm) | 1.16oz (32.8g) |
| BSC14-01DC-O    | 1/4"    | 1/8" Male NPT | 10           | No    | 9/16"  | 1.69" (42.9mm) | 1.23oz (34.8g) |
| BSC14-02DC-O    |         | 1/4" Male NPT |              | Yes   | 11/16" | 2.00" (50.8mm) | 2.16oz (61.2g) |
| BSC516-01DC-O   | 5/16"   | 1/8" Male NPT | 10           | No    | 9/16"  | 1.69" (42.9mm) | 1.73oz (49.0g) |
| BSC516-02DC-O   |         | 1/4" Male NPT |              |       | 11/16" | 2.00" (50.8mm) | 2.15oz (61.2g) |
| BSC38-02DC-O    | 3/8"    | 1/4" Male NPT | 10           | No    | 11/16" | 2.00" (50.8mm) | 2.31oz (65.4g) |

#### Metric Tube Sizes

| Model           | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| BSC04-01DC-O-PP | 4mm     | 1/8" Male BSPP (G) | 10           | No    | 9mm  | 1.25" (32.0mm) | 1.02oz (29.0g) |
| BSC04-M5DC-O-PP |         | M5 x 0.80          |              |       | 6mm  | 1.00" (25.5mm) | 0.42oz (12.0g) |
| BSC06-01DC-O-PP | 6mm     | 1/8" Male BSPP (G) | 10           | No    | 9mm  | 1.25" (32.0mm) | 0.95oz (27.0g) |
| BSC06-02DC-O-PP |         | 1/4" Male BSPP (G) |              |       | 10mm | 1.57" (40.0mm) | 1.72oz (49.0g) |
| BSC08-01DC-O-PP | 8mm     | 1/8" Male BSPP (G) | 10           | No    | 9mm  | 1.25" (32.0mm) | 1.09oz (31.0g) |
| BSC08-02DC-O-PP |         | 1/4" Male BSPP (G) |              |       | 10mm | 1.57" (40.0mm) | 1.72oz (49.0g) |
| BSC10-02DC-O-PP | 10mm    | 1/4" Male BSPP (G) | 10           | No    | 10mm | 1.57" (40.0mm) | 1.86oz (53.0g) |
| BSC10-03DC-O-PP |         | 3/8" Male BSPP (G) |              |       | 14mm | 1.96" (50.0mm) | 3.03oz (86.0g) |

# Technifit™ Push-to-Connect Fittings

## Manual Knob Adjustment Flow Control Elbow

Manual Knob Flow Control Elbows 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. Manual Knob Flow Control Elbows are equipped with a knurled thumb-wheel for adjustments along with a locking ring.

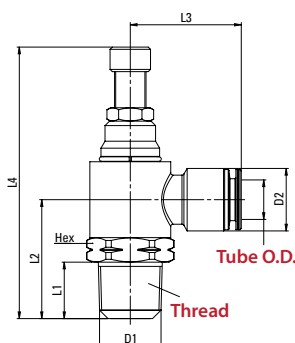


Fractional Tube Sizes

| Model           | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         |
|-----------------|---------|---------------|--------------|-------|--------|----------------|----------------|
| BSC532-1032HA-O | 5/32"   | 10-32 Male    | 10           | No    | 3/8"   | 1.69" (42.9mm) | 0.42oz (11.9g) |
| BSC532-01HA-O   |         | 1/8" Male NPT |              |       | 9/16"  | 2.12" (53.8mm) | 1.02oz (28.9g) |
| BSC14-01HA-O    | 1/4"    | 1/8" Male NPT | 10           | Yes   | 9/16"  | 2.12" (53.8mm) | 1.34oz (37.9g) |
| BSC14-02HA-O    |         | 1/4" Male NPT |              |       | 11/16" | 2.51" (63.7mm) | 2.34oz (66.3g) |
| BSC516-01HA-O   | 5/16"   | 1/8" Male NPT | 10           | No    | 9/16"  | 2.12" (53.8mm) | 1.73oz (49.0g) |
| BSC516-02HA-O   |         | 1/4" Male NPT |              |       | 11/16" | 2.51" (63.7mm) | 2.36oz (66.9g) |
| BSC38-02HA-O    | 3/8"    | 1/4" Male NPT | 10           | Yes   | 11/16" | 2.51" (63.7mm) | 2.46oz (69.7g) |

Metric Tube Sizes

| Model           | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         |
|-----------------|---------|--------------------|--------------|-------|------|----------------|----------------|
| BSC04-01HA-O-PP | 4mm     | 1/8" Male BSPP (G) | 10           | No    | 9mm  | 1.65" (42.0mm) | 1.12oz (32.0g) |
| BSC04-M5HA-O-PP |         | M5 x 0.80          |              |       | 6mm  | 1.53" (39.0mm) | 0.45oz (13.0g) |
| BSC06-01HA-O-PP | 6mm     | 1/8" Male BSPP (G) | 10           | No    | 9mm  | 1.65" (42.0mm) | 1.19oz (34.0g) |
| BSC06-02HA-O-PP |         | 1/4" Male BSPP (G) |              |       | 10mm | 2.00" (51.0mm) | 1.90oz (54.0g) |
| BSC08-01HA-O-PP | 8mm     | 1/8" Male BSPP (G) | 10           | No    | 9mm  | 1.65" (42.0mm) | 1.23oz (35.0g) |
| BSC08-02HA-O-PP |         | 1/4" Male BSPP (G) |              |       | 10mm | 2.00" (51.0mm) | 1.94oz (55.0g) |
| BSC08-03HA-O-PP |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.48" (63.0mm) | 3.49oz (99.0g) |
| BSC10-02HA-O-PP | 10mm    | 1/4" Male BSPP (G) | 10           | No    | 10mm | 2.00" (51.0mm) | 2.18oz (62.0g) |
| BSC10-03HA-O-PP |         | 3/8" Male BSPP (G) |              |       | 14mm | 2.48" (63.0mm) | 3.70oz (105g)  |



# Technifit™ Push-to-Connect Fittings

## Stainless Steel Series



The Stainless Steel Series features 316SS construction along with Viton® seals for the ultimate in corrosion resistance.

### SS 04 - 01 M - PT

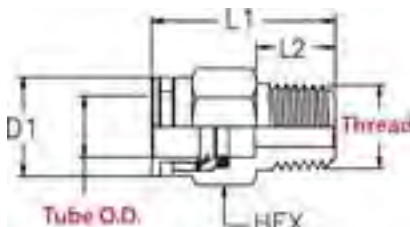
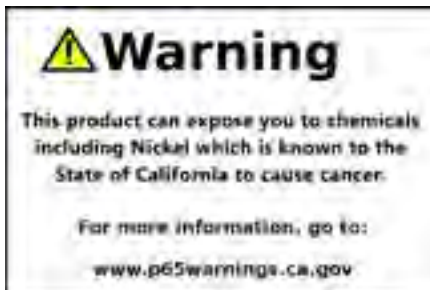
| Specifications      |                                |
|---------------------|--------------------------------|
| Working Pressure    | 290 psi                        |
| Temperature Range   | -20°F to 420°F                 |
| Vacuum Rating       | 29.5 " HG                      |
| Metal Body Material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

| Stainless Steel | Tubing Size | Thread Size | Model | Thread Type |
|-----------------|-------------|-------------|-------|-------------|
|                 |             | 1032        |       | (Blank)     |
|                 |             | 01          |       | PT          |
|                 |             | 02          |       | PP          |
|                 |             | 03          |       | U           |
|                 |             | 04          |       |             |
|                 |             | M5          |       |             |
|                 |             | 10-32 Male  |       | BSPT (R)    |
|                 |             | 1/8"        |       | BSPP (G)    |
|                 |             | 1/4"        |       | Universal   |
|                 |             | 3/8"        |       |             |
|                 |             | 1/2"        |       |             |
|                 |             | M5 x 0.8    |       |             |

## Stainless Steel Series: Straight Fittings

### Male Straight

Male Straight Fittings featuring a hex outer shape, allowing for simplified installation. These fittings are composed of 316 Stainless Steel.



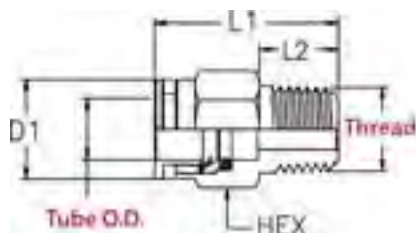
### Fractional Tube Sizes

| Model       | Tube OD | Thread         | Package Qty. | Stock | Hex    | Length         | Weight         |
|-------------|---------|----------------|--------------|-------|--------|----------------|----------------|
| SS532-1032M | 5/32"   | 10-32 Male     | 1            | No    | 7/16"  | 0.92" (23.3mm) | 0.32oz (9.07g) |
| SS532-01M   |         | 1/8" Male NPT  |              | Yes   | 10mm   | 0.81" (20.5mm) |                |
| SS532-02M   |         | 1/4" Male NPT  |              | No    | 14mm   | 0.94" (23.9mm) |                |
| SS532-03M   |         | 3/8" Male NPT  |              |       | 11/16" | 1.00" (25.4mm) |                |
| SS316-01M * | 3/16"   | 1/8" Male NPT  | 1            | No    | 7/16"  | 0.85" (21.5mm) | 0.48oz (13.6g) |
| SS316-02M   |         | 1/4" Male NPT  |              |       | 9/16"  | 0.90" (22.8mm) |                |
| SS14-1032M  | 1/4"    | 10-32 Male     | 1            | Yes   | 1/2"   | 0.97" (24.6mm) | 0.32oz (9.07g) |
| SS14-01UM   |         | 1/8" Universal |              | No    | 9/16"  | 0.90" (22.8mm) |                |
| SS14-01M    |         | 1/8" Male NPT  |              | Yes   | 12mm   | 0.81" (20.7mm) |                |
| SS14-02M    |         | 1/4" Male NPT  |              |       | 14mm   | 0.97" (24.7mm) |                |
| SS14-03M    |         | 3/8" Male NPT  |              |       | 1/16"  | 0.96" (24.3mm) |                |
| SS516-01M   | 5/16"   | 1/8" Male NPT  | 1            | No    | 14mm   | 1.08" (27.5mm) | 0.64oz (18.1g) |
| SS516-02M   |         | 1/4" Male NPT  |              |       | 14mm   | 1.00" (25.5mm) |                |
| SS516-03M   |         | 3/8" Male NPT  |              |       | 17mm   | 1.08" (27.5mm) |                |
| SS516-04M   |         | 1/2" Male NPT  |              |       | 21mm   | 1.20" (30.5mm) |                |
| SS38-01M    | 3/8"    | 1/8" Male NPT  | 1            | Yes   | 17mm   | 1.15" (29.2mm) | 0.80oz (22.6g) |
| SS38-02M    |         | 1/4" Male NPT  |              |       | 17mm   | 1.25" (31.7mm) |                |
| SS38-03M    |         | 3/8" Male NPT  |              |       | 19mm   | 1.25" (31.7mm) |                |
| SS38-04M    |         | 1/2" Male NPT  |              | No    | 22mm   | 1.41" (35.7mm) |                |
| SS12-02M    | 1/2"    | 1/4" Male NPT  | 1            | Yes   | 19mm   | 1.37" (34.7mm) | 1.44oz (41.6g) |
| SS12-03M    |         | 3/8" Male NPT  |              |       | 19mm   | 1.37" (34.7mm) |                |
| SS12-04M    |         | 1/2" Male NPT  |              |       | 22mm   | 1.52" (38.7mm) |                |
| SS58-04M    | 5/8"    | 1/2" Male NPT  | 1            | No    | 15/16" | 1.50" (38.1mm) | 3.04oz (86.1g) |

\*(Minimum 8 Week Lead Time)

# Technifit™ Push-to-Connect Fittings

## Male Straight (Continued)



### Metric Tube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock          | Hex            | Length         | Weight         |
|--------------|---------|--------------------|--------------|----------------|----------------|----------------|----------------|
| SS04-01M-PT  | 4mm     | 1/8" Male BSPT (R) | 1            | Yes            | 10mm           | 0.81" (20.5mm) | 0.32oz (9.07g) |
| SS04-02M-PT  |         | 1/4" Male BSPT (R) |              |                | 14mm           | 0.94" (23.9mm) | 0.64oz (18.1g) |
| SS04-M5M     |         | M5 x 0.8           |              | 10mm           | 0.78" (19.9mm) | 0.32oz (9.07g) |                |
| SS04-M6M     |         | M6 x 1.0           |              |                | No             | 0.82" (20.9mm) | N/A            |
| SS06-01M-PT  | 6mm     | 1/8" Male BSPT (R) | 1            | Yes            | 12mm           | 0.81" (20.7mm) | 0.48oz (13.6g) |
| SS06-02M-PT  |         | 1/4" Male BSPT (R) |              | No             | 14mm           | 0.97" (24.7mm) | 0.64oz (18.1g) |
| SS06-03M-PT  |         | 3/8" Male BSPT (R) |              |                | 11/16"         | 0.96" (24.4mm) | 0.96oz (27.2g) |
| SS06-M5M     |         | M5 x 0.8           |              |                | 12mm           | 0.81" (20.5mm) | 0.48oz (13.6g) |
| SS06-M6M     |         | M6 x 1.0           |              | 0.94" (23.9mm) |                | N/A            |                |
| SS08-01M-PT  | 8mm     | 1/8" Male BSPT (R) | 1            | Yes            | 14mm           | 1.08" (27.5mm) | 0.64oz (18.1g) |
| SS08-02M-PT  |         | 1/4" Male BSPT (R) |              |                |                | 1.00" (25.5mm) |                |
| SS08-03M-PT  |         | 3/8" Male BSPT (R) |              |                | 17mm           | 1.08" (27.5mm) | 0.96oz (27.2g) |
| SS10-01M-PT  | 10mm    | 1/8" Male BSPT (R) | 1            | No             | 17mm           | 1.15" (29.2mm) | N/A            |
| SS10-02M-PT  |         | 1/4" Male BSPT (R) |              | Yes            |                | 1.25" (31.7mm) | 0.96oz (27.2g) |
| SS10-03M-PT  |         | 3/8" Male BSPT (R) |              | No             | 21mm           | 1.41" (35.7mm) | N/A            |
| SS10-04M-PT  |         | 1/2" Male BSPT (R) |              |                |                |                |                |
| SS12-01M-PT  | 12mm    | 1/8" Male BSPT (R) | 1            | No             | 13/16"         | 1.27" (32.4mm) | 0.96oz(27.2g)  |
| SS12-02 M-PT |         | 1/4" Male BSPT (R) |              | Yes            | 19mm           | 1.37" (34.7mm) | 1.28oz (36.2g) |
| SS12-03 M-PT |         | 3/8" Male BSPT (R) |              |                |                | 1.60oz (45.3g) |                |
| SS12-04 M-PT |         | 1/2" Male BSPT (R) |              | No             | 21mm           | 1.52" (38.7mm) | 1.92oz (54.4g) |

\*(Minimum 8 Week Lead Time)

## Warning

This product can expose you to chemicals including Nickel 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)

## Female Straight

Female Straight Fittings featuring a hex outer shape, allowing for simplified installation. These fittings are composed of 316 Stainless Steel.

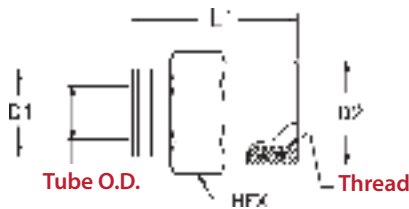
### Fractional Tube Sizes

| Model     | Tube OD | Thread          | Package Qty. | Stock | Hex   | Length         | Weight         |
|-----------|---------|-----------------|--------------|-------|-------|----------------|----------------|
| SS532-01F | 5/32"   | 1/8" Female NPT | 1            | Yes   | 14mm  | 0.96" (24.4mm) | 0.48oz (13.6g) |
| SS532-02F |         | 1/4" Female NPT |              | No    | 17mm  | 1.08" (27.4mm) |                |
| SS316-01F | 3/16"   | 1/8" Female NPT | 1            | No    | 9/16" | 1.11" (28.1mm) | 0.18oz (5.10g) |
| SS14-01F  | 1/4"    | 1/8" Female NPT | 1            | Yes   | 14mm  | 0.97" (24.7mm) | 0.48oz (13.6g) |
| SS14-02F  |         | 1/4" Female NPT |              |       | 17mm  | 1.09" (27.7mm) | 0.96oz (27.2g) |
| SS516-01F | 5/16"   | 1/8" Female NPT | 1            | No    | 14mm  | 1.06" (26.8mm) | N/A            |
| SS516-02F |         | 1/4" Female NPT |              |       | 17mm  | 1.17" (29.8mm) | 1.12oz (31.7g) |
| SS516-03F |         | 3/8" Female NPT |              |       | 19mm  | 1.21" (30.8mm) | 1.60oz (45.3g) |
| SS516-04F |         | 1/2" Female NPT |              |       | 24mm  | 1.32" (33.5mm) | N/A            |
| SS38-01F  | 3/8"    | 1/8" Female NPT | 1            | No    | 17mm  | 1.14" (28.9mm) | N/A            |
| SS38-02F  |         | 1/4" Female NPT |              | Yes   | 17mm  | 1.26" (31.9mm) | 1.60oz (45.3g) |
| SS38-03F  |         | 3/8" Female NPT |              |       | 19mm  | 1.30" (32.9mm) |                |
| SS38-04F  |         | 1/2" Female NPT |              | No    | 24mm  | 1.41" (35.9mm) | 2.40oz (68.0g) |
| SS12-02F  | 1/2"    | 1/4" Female NPT | 1            | No    | 21mm  | 1.34" (34.1mm) | N/A            |
| SS12-03F  |         | 3/8" Female NPT |              |       |       | 1.38" (35.1mm) | 2.40oz (68.0g) |
| SS12-04F  |         | 1/2" Female NPT |              |       | 24mm  | 1.50" (38.1mm) | 3.20oz (90.7g) |

\*(Minimum 8 Week Lead Time)



# Technifit™ Push-to-Connect Fittings



Metric Tube Sizes

| Model       | Tube OD | Thread               | Package Qty. | Stock | Hex  | Length         | Weight         |
|-------------|---------|----------------------|--------------|-------|------|----------------|----------------|
| SS04-M5F    | 4mm     | M5 x 0.8             | 1            | Yes   | 12mm | 0.92" (23.4mm) | 0.48oz (13.6g) |
| SS04-M6F    |         | M6 x 1.0             |              | No    | 12mm | 0.92" (23.4mm) | N/A            |
| SS04-01F-PT |         | 1/8" Female BSPT (R) |              | Yes   | 14mm | 0.96" (24.4mm) | 8oz (13.6g)    |
| SS06-M5F    | 6mm     | M5 x 0.8             | 1            | No    | 12mm | 0.93" (23.7mm) | N/A            |
| SS06-M6F    |         | M6 x 1.0             |              |       | 12mm | 0.93" (23.7mm) |                |
| SS06-01F-PT |         | 1/8" Female BSPT (R) |              |       | 14mm | 1.08" (27.4mm) | 0.48oz (13.6g) |
| SS06-02F-PT |         | 1/4" Female BSPT (R) |              |       | 17mm | 1.09" (27.7mm) | 0.96oz (27.2g) |
| SS08-02F-PT | 8mm     | 1/4" Female BSPT (R) | 1            | Yes   | 17mm | 1.17" (29.8mm) | 1.12oz (31.7g) |
| SS08-03F-PT |         | 3/8" Female BSPT (R) |              |       | 19mm | 1.21" (30.8mm) | 1.60oz (45.3g) |
| SS08-04F-PT |         | 1/2" Female BSPT (R) |              | No    | 24mm | 1.32" (33.5mm) | N/A            |
| SS10-01F-PT | 10mm    | 1/8" Female BSPT (R) | 1            | No    | 17mm | 1.14" (28.9mm) | N/A            |
| SS10-02F-PT |         | 1/4" Female BSPT (R) |              | Yes   | 17mm | 1.26" (31.9mm) | 1.60oz (45.3g) |
| SS10-03F-PT |         | 3/8" Female BSPT (R) |              |       | 19mm | 1.30" (32.9mm) | 2.40oz (68.0g) |
| SS10-04F-PT |         | 1/2" Female BSPT (R) |              | No    | 24mm | 1.41" (35.9mm) | N/A            |
| SS12-02F-PT | 12mm    | 1/4" Female BSPT (R) | 1            | No    | 21mm | 1.34" (34.1mm) | N/A            |
| SS12-03F-PT |         | 3/8" Female BSPT (R) |              |       | 21mm | 1.38" (35.1mm) |                |
| SS12-04F-PT |         | 1/2" Female BSPT (R) |              |       | 24mm | 1.50" (38.1mm) |                |

\*(Minimum 8 Week Lead Time)

## Warning

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

For more information, go to:

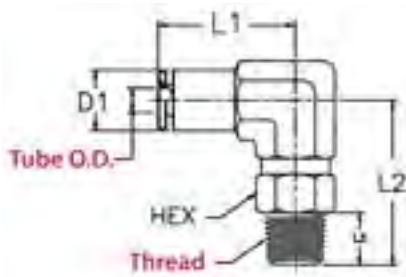
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# Technifit™ Push-to-Connect Fittings

## Stainless Steel Series: Elbow Fittings

### Swivel Male Elbow

Swivel Male Elbows feature a single push-to-connect port arranged 90° apart from a male thread. These fittings are composed of 316 stainless steel.



#### Fractional Tube Sizes

| Model        | Tube OD | Thread              | Package Qty. | Stock | Hex    | Length         | Weight         |
|--------------|---------|---------------------|--------------|-------|--------|----------------|----------------|
| SS532-1032ML | 5/32"   | 10-32 Male          | 1            | No    | 7/16"  | 0.98" (24.8mm) | 0.80oz (22.6g) |
| SS532-01ML   |         | 1/8" Male NPT       |              | Yes   | 12mm   | 0.98" (25.0mm) | 0.96oz (27.2g) |
| SS532-02ML   |         | 1/4" Male NPT       |              | No    | 14mm   | 1.08" (27.5mm) | 1.44oz (40.8g) |
| SS532-03ML   |         | 3/8" Male NPT       |              |       | 11/16" | 1.20" (30.4mm) | 1.92oz (54.3g) |
| SS316-01ML * | 3/16"   | 1/8" Male NPT       | 1            | No    | 7/16"  | 1.05" (27.4mm) | 1.92oz (54.3g) |
| SS14-1032ML  | 1/4"    | 10-32 Male          | 1            | No    | 9/16"  | 1.18" (29.9mm) | 0.80oz (22.6g) |
| SS14-01UML   |         | 1/8" Male Universal |              |       | 9/16"  | 1.09" (27.6mm) | 1.12oz (32.6g) |
| SS14-01ML    |         | 1/8" Male NPT       |              | Yes   | 12mm   | 1.06" (27.0mm) | 1.60oz (45.3g) |
| SS14-02ML    |         | 1/4" Male NPT       |              |       | 14mm   | 1.04" (26.5mm) | 2.24oz (63.5g) |
| SS14-03ML    |         | 3/8" Male NPT       |              | No    | 1/16"  | 1.30" (33.0mm) | 2.24oz (63.5g) |
| SS516-01ML   | 5/16"   | 1/8" Male NPT       | 1            | No    | 12mm   | 1.14" (29.0mm) | 1.92oz (54.4g) |
| SS516-03ML   |         | 1/4" Male NPT       |              |       | 14mm   | 1.24" (31.5mm) | 2.24oz (63.5g) |
| SS516-03ML   |         | 3/8" Male NPT       |              |       | 17mm   | 1.38" (35.0mm) | 2.56oz (72.5g) |
| SS516-04ML   |         | 1/2" Male NPT       |              |       | 21mm   | 1.50" (38.0mm) | 2.88oz (81.6g) |
| SS38-01ML    | 3/8"    | 1/8" Male NPT       | 1            | No    | 17mm   | 1.44" (36.5mm) | 2.40oz (68.0g) |
| SS38-02ML    |         | 1/4" Male NPT       |              | Yes   | 17mm   | 1.56" (39.5mm) | 2.72oz (77.1g) |
| SS38-03ML    |         | 3/8" Male NPT       |              |       | 19mm   | 1.56" (39.5mm) | 2.88oz (81.6g) |
| SS38-04ML    |         | 1/2" Male NPT       |              | No    | 22mm   | 1.67" (42.5mm) | 3.20oz (90.7g) |
| SS12-02ML    | 1/2"    | 1/4" Male NPT       | 1            | Yes   | 17mm   | 1.65" (42.0mm) | 3.68oz (104g)  |
| SS12-03ML    |         | 3/8" Male NPT       |              |       | 19mm   | 1.65" (42.0mm) | 3.84oz (108g)  |
| SS12-04ML    |         | 1/2" Male NPT       |              | No    | 22mm   | 1.77" (45.0mm) | 4.48oz (127g)  |
| SS58-04ML    | 5/8"    | 1/2" Male NPT       | 1            | No    | 15/16" | 1.73" (43.9mm) | 5.60oz (158g)  |

\*(Minimum 8 Week Lead Time)

#### Metric Tube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex    | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|--------|----------------|----------------|
| SS04-01ML-PT | 4mm     | 1/8" Male BSPT (R) | 1            | Yes   | 12mm   | 0.98" (25.0mm) | 0.96oz (27.2g) |
| SS04-02ML-PT |         | 1/4" Male BSPT (R) |              |       | 14mm   | 1.08" (27.5mm) | 1.44oz (40.8g) |
| SS04-M5ML-PT |         | M5 x 0.8           |              | No    | 12mm   | 0.93" (23.5mm) | 0.80oz (22.6g) |
| SS04-M6ML-PT |         | M6 x 1.0           |              |       | 12mm   | 0.96" (24.5mm) | N/A            |
| SS06-01ML-PT | 6mm     | 1/8" Male BSPT (R) | 1            | Yes   | 12mm   | 1.06" (27.0mm) | 1.44oz (40.8g) |
| SS06-02ML-PT |         | 1/4" Male BSPT (R) |              |       | 14mm   | 1.04" (26.5mm) | 1.76oz (49.8g) |
| SS06-03ML-PT |         | 3/8" Male BSPT (R) |              | No    | 11/16" | 1.29" (32.9mm) | 1.76oz (49.8g) |
| SS06-M5ML-PT |         | M5 x 0.8           |              | Yes   | 12mm   | 1.00" (25.5mm) | 0.96oz (27.2g) |
| SS06-M6ML-PT |         | M6 x 1.0           |              | No    | 12mm   | 1.04" (26.5mm) | N/A            |
| SS08-01ML-PT | 8mm     | 1/8" Male BSPT (R) | 1            | No    | 12mm   | 1.14" (29.0mm) | 1.44oz (40.8g) |
| SS08-02ML-PT |         | 1/4" Male BSPT (R) |              | Yes   | 14mm   | 1.24" (31.5mm) | 1.76oz (49.8g) |
| SS08-03ML-PT |         | 3/8" Male BSPT (R) |              | No    | 17mm   | 1.38" (35.0mm) | 2.08oz (58.9g) |
| SS08-04ML-PT |         | 1/2" Male BSPT (R) |              |       | 21mm   | 1.50" (38.0mm) | N/A            |
| SS10-01ML-PT | 10mm    | 1/8" Male BSPT (R) | 1            | No    | 17mm   | 1.44" (36.5mm) | 1.76oz (49.8g) |
| SS10-02ML-PT |         | 1/4" Male BSPT (R) |              |       | 17mm   | 1.56" (39.5mm) | 2.56oz (72.5g) |
| SS10-03ML-PT |         | 3/8" Male BSPT (R) |              | Yes   | 17mm   | 1.56" (39.5mm) | 2.72oz (77.1g) |
| SS10-04ML-PT |         | 1/2" Male BSPT (R) |              | No    | 21mm   | 1.67" (42.5mm) | 2.72oz (77.1g) |
| SS12-01ML-PT | 12mm    | 1/8" Male BSPT (R) | 1            | No    | 13/16" | 1.46" (37.3mm) | 3.20oz (90.7g) |
| SS12-02ML-PT |         | 1/4" Male BSPT (R) |              | Yes   | 17mm   | 1.65" (42.0mm) | 3.52oz (99.7g) |
| SS12-03ML-PT |         | 3/8" Male BSPT (R) |              |       | 17mm   | 1.65" (42.0mm) | 3.84oz (108g)  |
| SS12-04ML-PT |         | 1/2" Male BSPT (R) |              | No    | 21mm   | 1.77" (45.0mm) | 4.48oz (127g)  |

\*(Minimum 8 Week Lead Time)

### Warning

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

For more information, go to:

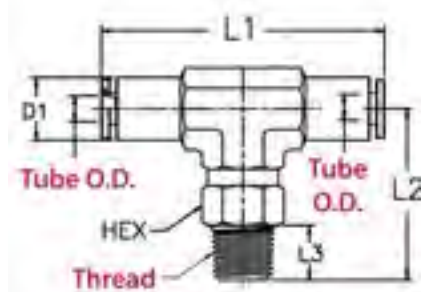
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# Technifit™ Push-to-Connect Fittings

## Stainless Steel Series: Tee Fittings

### Swivel Male Tee

Swivel Male Tees feature opposing push-to-connect ports arranged 90° from a male thread. These fittings are composed of 316 stainless steel.



#### Fractional Tube Sizes

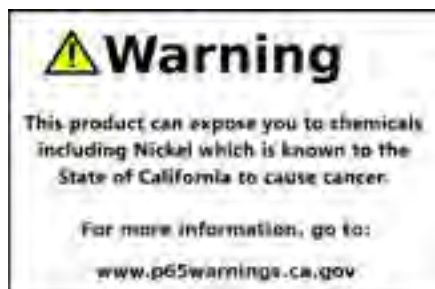
| Model        | Tube OD | Thread              | Package Qty. | Stock | Hex   | Length         | Weight         |
|--------------|---------|---------------------|--------------|-------|-------|----------------|----------------|
| SS532-1032MT | 5/32    | 10-32 Male          | 1            | No    | 7/16" | 1.34" (34.0mm) | 1.28oz (36.2g) |
| SS532-01MT   |         | 1/8" Male NPT       |              | Yes   | 12mm  | 1.45" (36.8mm) |                |
| SS532-02MT   |         | 1/4" Male NPT       |              | No    | 14mm  | 1.45" (36.8mm) | N/A            |
| SS316-01MT   | 3/16"   | 1/8" Male NPT       | 1            | No    | 7/16" | 1.35" (34.2mm) | 1.28oz (36.2g) |
| SS14-01UMT   | 1/4"    | 1/8" Male Universal | 1            | No    | N/A   | 62" (41.1mm)   | 1.60oz (45.3g) |
| SS14-01MT    |         | 1/8" Male NPT       |              | Yes   | 12mm  | 1.47" (37.4mm) |                |
| SS14-02MT    |         | 1/4" Male NPT       |              |       | 14mm  | 1.47" (37.4mm) | 1.76oz (49.8g) |
| SS516-01MT   | 5/16"   | 1/8" Male NPT       | 1            | No    | 12mm  | 1.57" (40.0mm) | 2.24oz (63.5g) |
| SS516-02MT   |         | 1/4" Male NPT       |              |       | 14mm  | 1.57" (40.0mm) | 2.56oz (72.5g) |
| SS516-03MT   |         | 3/8" Male NPT       |              |       | 17mm  | 1.57" (40.0mm) | 2.88oz (81.6g) |
| SS516-04MT   |         | 1/2" Male NPT       |              | No    | 21mm  | 1.57" (40.0mm) | N/A            |
| SS38-01MT    | 3/8"    | 1/8" Male NPT       | 1            | Yes   | 17mm  | 1.79" (45.4mm) | 2.88oz (81.6g) |
| SS38-02MT    |         | 1/4" Male NPT       |              |       | 17mm  | 1.79" (45.4mm) | 3.20oz (90.7g) |
| SS38-03MT    |         | 3/8" Male NPT       |              |       | 19mm  | 1.79" (45.4mm) | 3.52oz (99.7g) |
| SS38-04MT    |         | 1/2" Male NPT       |              | No    | 22mm  | 1.79" (45.4mm) | N/A            |
| SS12-02MT    | 1/2"    | 1/4" Male NPT       | 1            | Yes   | 17mm  | 2.14" (54.4mm) | 4.32oz (122g)  |
| SS12-03MT    |         | 3/8" Male NPT       |              |       | 19mm  | 2.14" (54.4mm) |                |
| SS12-04MT    |         | 1/2" Male NPT       |              |       | 22mm  | 2.14" (54.4mm) | 5.12oz (145g)  |

\*(Minimum 8 Week Lead Time)

#### Metric Tube Sizes

| Model        | Tube OD | Thread             | Package Qty. | Stock | Hex   | Length         | Weight         |
|--------------|---------|--------------------|--------------|-------|-------|----------------|----------------|
| SS04-M5MT    | 4mm     | M5 x 0.8           | 1            | No    | 7/16" | N/A            | 1.28oz (36.2g) |
| SS04-M6MT    |         | M6 x 1.0           |              |       | N/A   |                | N/A            |
| SS04-01MT-PT |         | 1/8" Male BSPT (R) |              |       | 12mm  | 1.45" (36.8mm) | 1.28oz (36.2g) |
| SS04-02MT-PT |         | 1/4" Male BSPT (R) |              |       | 14mm  | 1.45" (36.8mm) | 1.76oz (49.8g) |
| SS06-01MT-PT | 6mm     | 1/8" Male BSPT (R) | 1            | No    | 12mm  | 1.47" (37.4mm) | 1.60oz (45.3g) |
| SS06-02MT-PT |         | 1/4" Male BSPT (R) |              |       | 14mm  | 1.47" (37.4mm) | 1.76oz (49.8g) |
| SS08-01MT-PT | 8mm     | 1/8" Male BSPT (R) | 1            | No    | 12mm  | 1.57" (40.0mm) | 1.92oz (54.4g) |
| SS08-02MT-PT |         | 1/4" Male BSPT (R) |              |       | 14mm  | 1.57" (40.0mm) | 2.08oz (58.9g) |
| SS08-03MT-PT |         | 3/8" Male BSPT (R) |              |       | 17mm  | 1.57" (40.0mm) | 2.56oz (72.5g) |
| SS08-04MT-PT |         | 1/2" Male BSPT (R) |              |       | 21mm  | 1.57" (40.0mm) | N/A            |
| SS10-02MT-PT | 10mm    | 1/4" Male BSPT (R) | 1            | No    | 17mm  | 1.79" (45.4mm) | 3.04oz (86.1g) |
| SS10-03MT-PT |         | 3/8" Male BSPT (R) |              |       | 17mm  | 1.79" (45.4mm) | 3.36oz (95.2g) |
| SS10-04MT-PT |         | 1/2" Male BSPT (R) |              |       | 21mm  | 1.79" (45.4mm) | N/A            |
| SS12-02MT-PT | 12mm    | 1/4" Male BSPT (R) | 1            | No    | 17mm  | 2.14" (54.4mm) | 3.68oz (104g)  |
| SS12-03MT-PT |         | 3/8" Male BSPT (R) |              |       | 17mm  | 2.14" (54.4mm) | 4.00oz (113g)  |
| SS12-04MT-PT |         | 1/2" Male BSPT (R) |              |       | 21mm  | 2.14" (54.4mm) | 4.32oz (122g)  |

\*(Minimum 8 Week Lead Time)



# Technifit™ Push-to-Connect Fittings

## Stainless Steel Series: Union Fittings



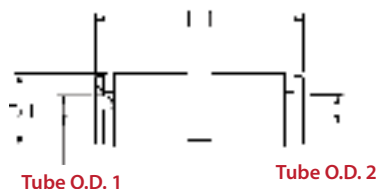
### Unions (Reducers Included)

Unions provide opposing push-to-connect ports allowing two sections of tubing to be joined. These fittings are composed of 316 stainless steel.

#### Fractional Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|
| SS5/32U(4MM) | 5/32"     | 5/32"     | 1            | Yes   | 1.26" (32.0mm) | 0.32oz (9.07g) |
| SS316U       | 3/16"     | 3/16"     | 1            | No    | N/A            | 0.64oz (18.1g) |
| SS14-532UR   | 1/4"      | 5/32"     | 1            | Yes   | 1.27" (32.3mm) | 0.64oz (18.1g) |
| SS14U        |           | 1/4"      |              |       | 1.28" (32.6mm) |                |
| SS516U(8MM)  | 5/16"     | 5/16"     | 1            | Yes   | 1.44" (36.6mm) | 0.80oz (22.6g) |
| SS516-14UR   |           | 1/4"      |              | No    | 1.36" (34.6mm) | N/A            |
| SS38-14UR    | 3/8"      | 5/16"     | 1            | Yes   | 1.36" (34.5mm) | 0.80oz (22.6g) |
| SS38-516UR   |           | 3/8"      |              | No    | 1.51" (38.4mm) | 1.44oz (27.2g) |
| SS38U        |           | 3/8"      |              | Yes   | 1.59" (40.3mm) |                |
| SS12-38UR    | 1/2"      | 1/2"      | 1            | Yes   | 1.67" (42.5mm) | 1.44oz (27.2g) |
| SS12U        |           |           |              |       | 1.76" (44.7mm) | 1.60oz (45.3g) |

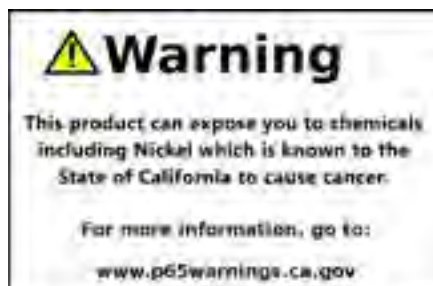
\*(Minimum 8 Week Lead Time)



#### Metric Tube Sizes

| Model       | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|-------------|-----------|-----------|--------------|-------|----------------|----------------|
| SS532U(4MM) | 4mm       | 4mm       | 1            | Yes   | 1.26" (32.0mm) | 0.48oz (13.6g) |
| SS06-04UR   | 6mm       | 4mm       | 1            | Yes   | 1.27" (32.3mm) | 0.64oz (18.1g) |
| SS06U       |           | 6mm       |              |       | 1.28" (32.6mm) |                |
| SS08-06UR   | 8mm       | 6mm       | 1            | No    | 1.36" (34.6mm) | 0.96oz (27.2g) |
| SS516U(8MM) |           | 8mm       |              | Yes   |                | 1.44" (36.6mm) |
| SS10-06UR   | 10mm      | 6mm       | 1            | No    | 1.51" (38.4mm) | 1.28oz (36.2g) |
| SS10-08UR   |           | 8mm       |              | Yes   | 1.51" (38.4mm) | 0.96oz (27.2g) |
| SS10U       |           | 10mm      |              |       | 1.59" (40.3mm) |                |
| SS12-10UR   | 12mm      | 10mm      | 1            | No    | 1.67" (42.5mm) | 1.60oz (45.3g) |
| SS12MU      |           | 12mm      |              | Yes   | 1.76" 44.7(mm) |                |

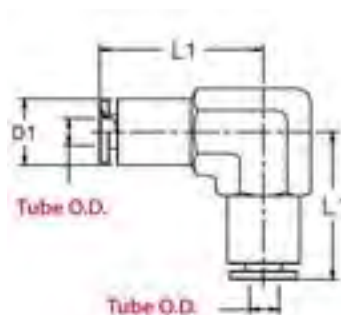
\*(Minimum 8 Week Lead Time)



# Technifit™ Push-to-Connect Fittings

## Union Elbows

Unions provide two push-to-connect ports arranged 90° apart allowing two sections of tubing to be joined. These fittings are composed of 316 stainless steel.



### Fractional Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|
| SS532UL(4MM) | 5/32"     | 5/32"     | 1            | Yes   | 0.72" (18.4mm) | 0.32oz (9.07g) |
| SS316UL*     | 3/16"     | 3/16"     | 1            | No    | 1.15" (29.2mm) | 0.64oz (18.1g) |
| SS14UL       | 1/4"      | 1/4"      | 1            | Yes   | 0.74" (18.7mm) | 0.64oz (18.1g) |
| SS516UL(8MM) | 5/16"     | 5/16"     | 1            | Yes   | 0.79" (20.0mm) | 0.64oz (18.1g) |
| SS38UL       | 3/8"      | 3/8"      | 1            | Yes   | 0.97" (24.7mm) | 0.80oz (22.6g) |
| SS12UL       | 1/2"      | 1/2"      | 1            | Yes   | 1.07" (27.2mm) | 0.80oz (22.6g) |

\*(Minimum 8 Week Lead Time)

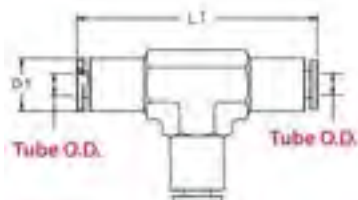
### Metric Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|
| SS532UL(4MM) | 4mm       | 4mm       | 1            | Yes   | 0.72" (18.4mm) | 0.80oz (22.6g) |
| SS06UL       | 6mm       | 6mm       | 1            | Yes   | 0.74" (18.7mm) | 0.96oz (27.2g) |
| SS516UL(8MM) | 8mm       | 8mm       | 1            | Yes   | 0.79" (20.0mm) | 1.28oz (36.2g) |
| SS10UL       | 10mm      | 10mm      | 1            | Yes   | 0.97" (24.7mm) | 2.24oz (63.5g) |
| SS12MUL      | 12mm      | 12mm      | 1            | Yes   | 1.07" (27.2mm) | 2.88oz (81.6g) |

\*(Minimum 8 Week Lead Time)

## Union Tees

Union Tees provide two opposing push-to-connect ports with a third port arranged 90° apart, allowing three sections of tubing to be joined. These fittings are composed of 316 stainless steel.



### Fractional Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|
| SS532UT(4MM) | 5/32"     | 5/32"     | 1            | Yes   | 1.45" (36.8mm) | 0.96oz (27.2g) |
| SS316UT*     | 3/16"     | 3/16"     | 1            | No    | N/A            | 1.28oz (36.2g) |
| SS14UT       | 1/4"      | 1/4"      | 1            | Yes   | 0.74" (18.7mm) | 1.28oz (36.2g) |
| SS516UT(8MM) | 5/16"     | 5/16"     | 1            | Yes   | 0.79" (20.0mm) | 1.44oz (40.8g) |
| SS38UT       | 3/8"      | 3/8"      | 1            | Yes   | 0.97" (24.7mm) | 2.72oz (7.1g)  |
| SS12UT       | 1/2"      | 1/2"      | 1            | Yes   | 1.07" (27.2mm) | 3.36oz (95.2g) |

\*(Minimum 8 Week Lead Time)

### Metric Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Length         | Weight         |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|
| SS532UT(4MM) | 4mm       | 4mm       | 1            | Yes   | 1.45" (36.8mm) | 0.96oz (27.2g) |
| SS06UT       | 6mm       | 6mm       | 1            | Yes   | 0.74" (18.7mm) | 1.44oz (40.8g) |
| SS516UT(8MM) | 8mm       | 8mm       | 1            | Yes   | 0.79" (20.0mm) | 1.44oz (40.8g) |
| SS10UT       | 10mm      | 10mm      | 1            | Yes   | 0.97" (24.7mm) | 2.08oz (58.9g) |
| SS12MUT      | 12mm      | 12mm      | 1            | Yes   | 1.07" (27.2mm) | 2.88oz (81.6g) |

\*(Minimum 8 Week Lead Time)



## Warning

This product can expose you to chemicals including Nickel 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)

# Technifit™ Push-to-Connect Fittings

## Stainless Steel Series: Bulkhead Fittings

### Bulkhead Union

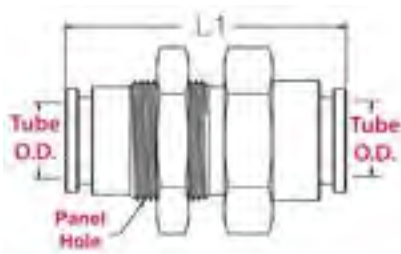
Bulkhead Unions provide two opposing push-to-connect ports with threaded nuts allowing for installation through a panel or partition. These fittings are composed of 316 stainless steel.



#### Fractional Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex   | Panel Hole     | Length         | Weight        |
|--------------|-----------|-----------|--------------|-------|-------|----------------|----------------|---------------|
| SS532BU(4MM) | 5/32"     | 5/32"     | 1            | Yes   | 14mm  | 0.47" (12.0mm) | 1.26" (32.0mm) | 0.80" (22.7g) |
| SS316BU      | 3/16"     | 3/16"     | 1            | Yes   | 9/16" | 0.41" (10.4mm) | 1.28" (32.5mm) | 1.11" (31.7g) |
| SS14BU       | 1/4"      | 1/4"      | 1            | Yes   | 17mm  | 0.66" (17.0mm) | 1.28" (32.6mm) | 1.43" (40.8g) |
| SS516BU(8MM) | 5/16"     | 5/16"     | 1            | Yes   | 19mm  | 0.62" (16.0mm) | 1.44" (36.6mm) | 2.07" (58.9g) |
| SS38BU       | 3/8"      | 3/8"      | 1            | Yes   | 24mm  | 0.78" (20.0mm) | 1.59" (40.3mm) | 2.39" (68.0g) |
| SS12BU       | 1/2"      | 1/2"      | 1            | Yes   | 26mm  | 0.86" (22.0mm) | 1.76" (44.7mm) | 3.51" (99.7g) |

\*(Minimum 8 Week Lead Time)



#### Metric Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex | Panel Hole     | Length         | Weight        |
|--------------|-----------|-----------|--------------|-------|-----|----------------|----------------|---------------|
| SS532BU(4MM) | 4mm       | 4mm       | 1            | Yes   | Yes | 0.47" (12.0mm) | 1.26" (32.0mm) | 0.80" (22.7g) |
| SS06BU       | 6mm       | 6mm       | 1            | Yes   | Yes | 0.66" (17.0mm) | 1.28" (32.6mm) | 1.43" (40.8g) |
| SS516BU(8MM) | 8mm       | 8mm       | 1            | Yes   | Yes | 0.62" (16.0mm) | 1.44" (36.6mm) | 2.07" (58.9g) |
| SS10BU       | 10mm      | 10mm      | 1            | Yes   | Yes | 0.78" (20.0mm) | 1.59" (40.3mm) | 2.71" (77.1g) |
| SS12MBU      | 12mm      | 12mm      | 1            | Yes   | Yes | 0.86" (22.0mm) | 1.76" (44.7mm) | 3.35" (95.2g) |

\*(Minimum 8 Week Lead Time)

### Warning

This product can expose you to chemicals including Nickel 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)

# **Fluidfit™**

## **Push-to-Connect**

### **Fittings**



# Fluidfit™ Push-to-Connect Fittings

## Fluidfit

Fluidfit Products are intended for contact with water or food & beverage equipment.



### HPC 1/4 - N01

| Model | Tubing Size |                 | Thread |               |
|-------|-------------|-----------------|--------|---------------|
|       |             |                 |        |               |
|       | 5/32        | 5/32" (0.1562") | N01    | 1/8" NPT      |
|       | 3/16        | 3/16" (0.1875") | N02    | 1/4" NPT      |
|       | 1/4         | 1/4" (0.2500")  | N03    | 3/8" NPT      |
|       | 5/16        | 5/16" (0.3125") | N04    | 1/2" NPT      |
|       | 3/8         | 3/8" (0.3750")  | R01    | 1/8" BSPT (R) |
|       | 1/2         | 1/2" (0.5000")  | R02    | 1/4" BSPT (R) |
|       | 04          | 4mm             | R03    | 3/8" BSPT (R) |
|       | 06          | 6mm             | R04    | 1/2" BSPT (R) |
|       | 08          | 8mm             |        |               |
|       | 10          | 10mm            |        |               |
|       | 12          | 12mm            |        |               |

| 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                                  |

| Certifications    |
|-------------------|
| NSF 51® Certified |
| NSF 61® Certified |

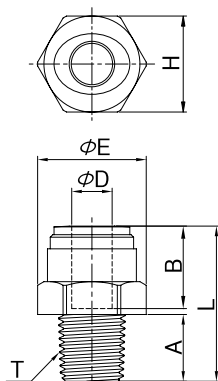


# Fluidfit™ Push-to-Connect Fittings

## Threaded Straight Fittings

### Hex Male Straight – HPC

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



Fractional Tube Sizes

| Model       | Tube OD | Thread         | Package Qty. | Stock | Hex            | Length         | Weight         | Color   |  |  |
|-------------|---------|----------------|--------------|-------|----------------|----------------|----------------|---------|--|--|
| HPC5/32-N01 | 5/32"   | 1/8" Male NPT  | 10           | Yes   | 5/8"           | 0.87" (22.2mm) | 0.11oz (3.20g) | Natural |  |  |
| HPC5/32-N02 |         | 1/4" Male NPT  |              |       |                | 0.92" (25.3mm) | 0.15oz (4.30g) |         |  |  |
| HPC3/16-N01 | 3/16"   | 1/8" Male NPT  | 10           | Yes   | 5/8"           | 0.88" (22.4mm) | 0.10oz (3.10g) | Natural |  |  |
| HPC3/16-N02 |         | 1/4" Male NPT  |              |       |                | 1.00" (25.5mm) | 0.14oz (4.20g) |         |  |  |
| HPC1/4-N01  | 1/4"    | 1/8" Male NPT  | 10           | Yes   | 5/8"           | 1.06" (27.0mm) | 0.13oz (3.90g) | Natural |  |  |
| HPC1/4-N02  |         | 1/4" Male NPT  |              |       |                | 1.06" (27.0mm) | 0.15oz (4.30g) |         |  |  |
| HPC1/4-N03  |         | 3/8" Male NPT  | 5            | 3/4"  | 1.02" (26.1mm) | 0.21oz (6.10g) |                |         |  |  |
| HPC1/4-N04  |         | 1/2" Male NPT  |              |       | 1.18" (30.1mm) | 0.33oz (9.60g) |                |         |  |  |
| HPC1/4-R01  |         | 1/8" Male BSPT | 10           | No    | 17mm           | 1.02" (26.2mm) | 0.14oz (4.00g) |         |  |  |
| HPC1/4-R02  |         | 1/4" Male BSPT |              |       | 17mm           | 1.05" (26.8mm) | 0.11oz (3.20g) |         |  |  |
| HPC1/4-R03  |         | 3/8" Male BSPT | 5            |       | 19mm           | 1.05" (26.6mm) | 0.20oz (5.80g) |         |  |  |
| HPC1/4-R04  |         | 1/2" Male BSPT |              |       | 21mm           | 1.13" (28.9mm) | 0.23oz (6.80g) |         |  |  |
| HPC5/16-N01 | 5/16"   | 1/8" Male NPT  | 10           | Yes   | 3/4"           | 1.11" (28.4mm) | 0.19oz (5.60g) | Natural |  |  |
| HPC5/16-N02 |         | 1/4" Male NPT  | 5            |       |                | 1.09" (27.9mm) | 0.18oz (5.20g) |         |  |  |
| HPC5/16-N03 |         | 3/8" Male NPT  |              |       |                | 1.04" (26.5mm) | 0.21oz (6.00g) |         |  |  |
| HPC5/16-N04 |         | 1/2" Male NPT  |              |       | 7/8"           | 1.31" (33.5mm) | 0.40oz (11.5g) |         |  |  |
| HPC3/8-N01  | 3/8"    | 1/8" Male NPT  | 5            | Yes   | 13/16"         | 1.19" (30.4mm) | 0.23oz (6.70g) | Natural |  |  |
| HPC3/8-N02  |         | 1/4" Male NPT  |              |       |                | 1.35" (34.3mm) | 0.27oz (7.90g) |         |  |  |
| HPC3/8-N03  |         | 3/8" Male NPT  |              |       |                | 1.17" (29.9mm) | 0.26oz (7.50g) |         |  |  |
| HPC3/8-N04  |         | 1/2" Male NPT  |              |       | 7/8"           | 1.33" (33.9mm) | 0.38oz (11.0g) |         |  |  |
| HPC1/2-N03  | 1/2"    | 3/8" Male NPT  | 5            | Yes   | 31/32"         | 1.51" (38.4mm) | 0.41oz (11.7g) | Natural |  |  |
| HPC1/2-N04  |         | 1/2" Male NPT  |              |       |                | 1.49" (37.9mm) | 0.44oz (12.7g) |         |  |  |

# Fluidfit™ Push-to-Connect Fittings

## Hex Male Straight – HPC (Continued)



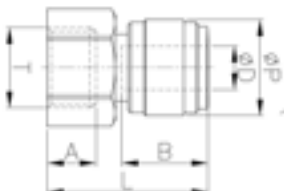
Metric Tube Sizes

| Model    | Tube OD | Thread             | Package Qty.   | Stock | Hex  | Length         | Weight         | Color |
|----------|---------|--------------------|----------------|-------|------|----------------|----------------|-------|
| HPC04R01 | 4mm     | 1/8" Male BSPT (R) | 10             | No    | 17mm | 1.02" (26.0mm) | 0.14oz (4.10g) | Black |
| HPC04G01 |         | 1/8" Male BSPP (G) |                |       | 15mm | 0.86" (21.9mm) | 0.11oz (3.30g) |       |
| HPC04G02 |         | 1/4" Male BSPP (G) |                |       | 18mm | 0.94" (23.9mm) | 0.17oz (4.90g) |       |
| HPC06R01 | 6mm     | 1/8" Male BSPT (R) | 10             | No    | 17mm | 1.03" (26.2mm) | 0.13oz (3.90g) | Black |
| HPC06R02 |         | 1/4" Male BSPT (R) | 1.05" (26.7mm) |       |      | 0.14oz (4.20g) |                |       |
| HPC06R03 |         | 3/8" Male BSPT (R) | 5              |       | 19mm | 1.04" (26.6mm) | 0.20oz (5.90g) |       |
| HPC06G01 |         | 1/8" Male BSPP (G) | 10             |       | 15mm | 0.94" (24.1mm) | 0.11oz (3.30g) |       |
| HPC06G02 |         | 1/4" Male BSPP (G) |                |       | 18mm | 0.94" (24.1mm) | 0.16oz (4.80g) |       |
| HPC08R01 | 8mm     | 1/8" Male BSPT (R) | 10             | No    | 19mm | 1.10" (28.1mm) | 0.18oz (5.20g) | Black |
| HPC08R02 |         | 1/4" Male BSPT (R) | 5              |       |      | 1.20" (30.6mm) | 0.20oz (5.80g) |       |
| HPC08R03 |         | 3/8" Male BSPT (R) |                |       |      | 1.06" (27.0mm) | 0.20oz (5.70g) |       |
| HPC08G01 |         | 1/8" Male BSPP (G) | 10             |       | 17mm | 1.06" (27.0mm) | 0.18oz (5.20g) |       |
| HPC08G02 |         | 1/4" Male BSPP (G) | 5              |       | 18mm | 1.12" (28.5mm) | 0.21oz (6.10g) |       |
| HPC08G03 |         | 3/8" Male BSPP (G) |                |       | 21mm | 1.04" (26.5mm) | 0.24oz (7.00g) |       |
| HPC08G04 |         | 1/2" Male BSPP (G) |                |       | 26mm | 1.16" (29.5mm) | 0.41oz (11.9g) |       |
| HPC10R03 | 10mm    | 3/8" Male BSPT (R) | 5              | No    | 21mm | 1.13" (28.8mm) | 0.23oz (6.70g) | Black |
| HPC10R04 |         | 1/2" Male BSPT (R) |                |       | 22mm | 1.26" (32.1mm) | 0.33oz (9.60g) |       |
| HPC10G02 |         | 1/4" Male BSPP (G) |                |       | 19mm | 1.21" (30.8mm) | 0.25oz (7.20g) |       |
| HPC10G03 |         | 3/8" Male BSPP (G) |                |       | 21mm | 1.03" (26.3mm) | 0.24oz (7.00g) |       |
| HPC10G04 |         | 1/2" Male BSPP (G) | 3              |       | 26mm | 1.17" (29.8mm) | 0.39oz (11.3g) |       |
| HPC12R03 | 12mm    | 3/8" Male BSPT (R) | 5              | No    | 24mm | 1.26" (32.2mm) | 0.31oz (8.90g) | Black |
| HPC12R04 |         | 1/2" Male BSPT (R) | 1.35" (34.3mm) |       |      | 0.38oz (11.0g) |                |       |
| HPC12G03 |         | 3/8" Male BSPP (G) | 3              |       |      | 1.34" (34.2mm) | 0.40oz (11.6g) |       |
| HPC12G04 |         | 1/2" Male BSPP (G) |                |       | 26mm | 1.28" (32.7mm) | 0.43oz (12.4g) |       |

# Fluidfit™ Push-to-Connect Fittings

## Hex Female Straight – HCF

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

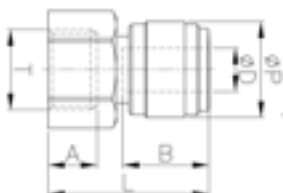


### Fractional Tube Sizes

| Model       | Tube OD | Thread          | Package Qty. | Stock | Hex  | Length         | Weight        | Color   |
|-------------|---------|-----------------|--------------|-------|------|----------------|---------------|---------|
| HCF 1/4-N01 | 1/4"    | 1/8" Female NPT | 5            | No    | 17mm | 1.21" (30.9mm) | 0.21oz (6.1g) | Natural |
| HCF 1/4-N02 |         | 1/4" Female NPT |              |       | 19mm |                | 0.22oz (6.5g) |         |
| HCF 3/8-N02 | 3/8"    | 1/4" Female NPT | 5            | No    | 19mm | 1.34" (34.2mm) | 0.29oz (8.5g) | Natural |

### Metric Tube Sizes

| Model    | Tube OD | Thread               | Package Qty. | Stock | Hex            | Length         | Weight         | Color |
|----------|---------|----------------------|--------------|-------|----------------|----------------|----------------|-------|
| HCF04G01 | 4mm     | 1/8" Female BSPP (G) | 5            | No    | 17mm           | 1.05" (26.9mm) | 0.23oz (6.60g) | Black |
| HCF06G01 | 6mm     | 1/8" Female BSPP (G) | 5            | No    | 17mm           | 1.06" (27.1mm) | 0.21oz (6.10g) | Black |
| HCF06G02 |         | 1/4" Female BSPP (G) |              |       | 19mm           | 1.14" (29.1mm) | 0.24oz (7.00g) |       |
| HCF06G03 |         | 3/8" Female BSPP (G) |              |       | 24mm           | 1.20" (30.6mm) | 0.34oz (9.90g) |       |
| HCF08G01 | 8mm     | 1/8" Female BSPP (G) | 5            | No    | 17mm           | 1.08" (27.5mm) | 0.21oz (6.00g) | Black |
| HCF08G02 |         | 1/4" Female BSPP (G) |              |       | 19mm           | 1.16" (29.5mm) | 0.23oz (6.70g) |       |
| HCF08G03 |         | 3/8" Female BSPP (G) | 24mm         |       | 1.22" (31.0mm) | 0.34oz (9.70g) |                |       |
| HCF08G04 |         | 1/2" Female BSPP (G) |              |       | 3              | 1.49" (38.0mm) | 0.48oz (13.8g) |       |
| HCF08G06 |         | 3/4" Female BSPP (G) | 2            |       | 36.7mm         | 1.44" (36.6mm) | 1.38oz (39.2g) |       |
| HCF10G02 | 10mm    | 1/4" Female BSPP (G) | 5            | No    | 19mm           | 1.35" (34.5mm) | 0.38oz (10.8g) | Black |
| HCF10G03 |         | 3/8" Female BSPP (G) | 3            |       | 24mm           | 1.45" (37.0mm) | 0.48oz (13.7g) |       |
| HCF10G04 |         | 1/2" Female BSPP (G) |              |       | 27mm           | 1.50" (38.3mm) | 0.46oz (13.3g) |       |
| HCF10G06 |         | 3/4" Female BSPP (G) | 2            |       | 36.7mm         | 1.45" (36.9mm) | 1.36oz (38.6g) |       |
| HCF12G02 | 12mm    | 1/4" Female BSPP (G) | 5            | No    | 19mm           | 1.38" (35.2mm) | 0.36oz (10.3g) | Black |
| HCF12G03 |         | 3/8" Female BSPP (G) | 3            |       | 24mm           | 1.48" (37.7mm) | 0.45oz (13.0g) |       |
| HCF12G04 |         | 1/2" Female BSPP (G) |              |       | 27mm           | 1.64" (41.7mm) | 0.54oz (15.4g) |       |



## Hex Female Straight – HCF Faucet & Tap Adapters

### Fractional Tube Sizes

| Model           | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         | Color   |
|-----------------|---------|--------------------|--------------|-------|------|----------------|----------------|---------|
| HCF5/16-UNF7/16 | 5/16"   | 7/16-20 Female UNF | 5            | No    | 17mm | 1.20" (30.5mm) | 0.22oz (6.50g) | Natural |
| HCF5/16-UNS7/16 |         | 7/16-24 Female UNS |              |       |      | 1.08" (27.5mm) | 0.21oz (6.10g) |         |
| HCF3/8-UNF7/16  | 3/8"    | 7/16-20 Female UNF | 5            | No    | 17mm | 1.30" (33.2mm) | 0.26oz (7.50g) | Natural |
| HCF3/8-UN1/2    |         | 1/2-16 Female UN   |              |       | 19mm | 1.44" (36.7mm) | 0.31oz (8.90g) |         |

### Metric Tube Sizes

| Model         | Tube OD | Thread                   | Package Qty. | Stock | Hex     | Length         | Weight         | Color |
|---------------|---------|--------------------------|--------------|-------|---------|----------------|----------------|-------|
| HCF06-UNF7/16 | 6mm     | 7/16-20 Female UNF       | 5            | No    | 17mm    | 1.18" (30.1mm) | 0.22oz (6.50g) | Black |
| HCF06-UNS7/16 |         | 7/16-24 Female UNS       |              |       | 17mm    | 1.06" (27.1mm) | 0.21oz (6.10g) |       |
| HCF06-NH06    |         | 3/4 Female National Hose |              |       | 1 7/16" | 1.34" (34.2mm) | 1.23oz (34.9g) |       |
| HCF08-UNF7/16 | 8mm     | 7/16-20 Female UNF       | 5            | No    | 17mm    | 1.20" (30.5mm) | 0.22oz (6.50g) | Black |
| HCF08-UNS7/16 |         | 7/16-24 Female UNS       |              |       | 17mm    | 1.08" (27.5mm) | 0.21oz (6.10g) |       |
| HCF08-NH06    |         | 3/4 Female National Hose |              |       | 1 7/16" | 1.44" (36.6mm) | 1.28oz (36.5g) |       |
| HCF10-UNF7/16 | 10mm    | 7/16-20 Female UNF       | 5            | No    | 17mm    | 1.30" (33.1mm) | 0.26oz (7.50g) | Black |
| HCF10-NH06    |         | 3/4 Female National Hose |              |       | 1 7/16" | 1.45" (36.9mm) | 1.34oz (38.1g) |       |

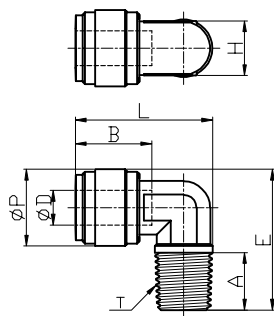


# Fluidfit™ Push-to-Connect Fittings

## Threaded Elbow Fittings

### Rigid Male Elbow – HPL

Rigid Male Elbows feature a male thread arranged 90° from a push-to-connect port.



Fractional Tube Sizes

| Model       | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         | Color   |
|-------------|---------|---------------|--------------|-------|--------|----------------|----------------|---------|
| HPL5/32-N01 | 5/32"   | 1/8" Male NPT | 10           | Yes   | 7/16"  | 1.00" (25.4mm) | 0.17oz (4.90g) | Natural |
| HPL3/16-N01 | 3/16"   | 1/8" Male NPT | 10           | Yes   | 7/16"  | 1.00" (25.6mm) | 0.16oz (4.70g) | Natural |
| HPL1/4-N01  | 1/4"    | 1/8" Male NPT | 10           | Yes   | 7/16"  | 1.00" (25.6mm) | 0.14oz (4.20g) | Natural |
| HPL1/4-N02  |         | 1/4" Male NPT | 5            |       |        | 1.06" (27.0mm) | 0.20oz (5.70g) |         |
| HPL1/4-N03  |         | 3/8" Male NPT |              |       |        | 1.13" (28.9mm) | 0.25oz (7.10g) |         |
| HPL5/16-N02 | 5/16"   | 1/4" Male NPT | 5            | Yes   | 9/16"  | 1.23" (31.4mm) | 0.31oz (9.00g) | Natural |
| HPL5/16-N03 |         | 3/8" Male NPT |              |       |        | 1.31" (33.5mm) | 0.36oz (10.3g) |         |
| HPL3/8-N02  | 3/8"    | 1/4" Male NPT | 5            | Yes   | 9/16"  | 1.25" (31.8mm) | 0.30oz (8.60g) | Natural |
| HPL3/8-N03  |         | 3/8" Male NPT |              |       |        | 1.33" (33.9mm) | 0.34oz (9.90g) |         |
| HPL1/2-N03  | 1/2"    | 3/8" Male NPT | 3            | Yes   | 11/16" | 1.56" (39.7mm) | 0.46oz (13.3g) | Natural |
| HPL1/2-N04  |         | 1/2" Male NPT |              |       |        | 1.63" (41.5mm) | 0.57oz (16.2g) |         |



Metric Tube Sizes

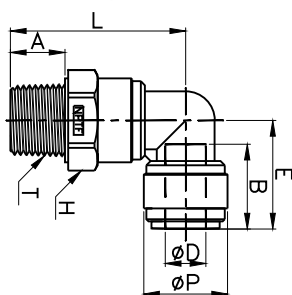
| Model | Tube OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         | Color |
|-------|---------|--------------------|--------------|-------|------|----------------|----------------|-------|
|       | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 0.99" (25.2mm) | 0.14oz (4.20g) | Black |
|       | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 10mm | 1.00" (25.4mm) | 0.14oz (4.10g) | Black |
|       |         | 1/4" Male BSPT (R) | 5            |       |      | 1.06" (27.0mm) | 0.17oz (5.10g) |       |
|       | 8mm     | 1/4" Male BSPT (R) | 5            | No    | 13mm | 1.24" (31.5mm) | 0.24oz (7.00g) | Black |
|       | 10mm    | 3/8" Male BSPT (R) | 5            | No    | 14mm | 1.33" (33.9mm) | 0.32oz (9.20g) | Black |
|       | 12mm    | 1/2" Male BSPT (R) | 3            | No    | 17mm | 1.60" (40.7mm) | 0.5oz (15.6g)  | Black |



# Fluidfit™ Push-to-Connect Fittings

## Swivel Male Elbow – HRPL

Swivel Male Elbows feature a swivel male thread arranged 90° from a push-to-connect port.



### Fractional Tube Sizes

| Model        | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         | Color   |
|--------------|---------|---------------|--------------|-------|--------|----------------|----------------|---------|
| HRPL5/32-N01 | 5/32"   | 1/8" Male NPT | 5            | No    | 5/8"   | 1.16" (29.7mm) | N/A            | Natural |
| HRPL5/32-N02 |         | 1/4" Male NPT |              |       |        | 1.33" (33.8mm) |                |         |
| HRPL1/4-N01  | 1/4"    | 1/8" Male NPT | 5            | No    | 11/16" | 1.29" (32.8mm) | 0.28oz (8.20g) | Natural |
| HRPL1/4-N02  |         | 1/4" Male NPT |              |       |        | 1.45" (36.9mm) |                |         |
| HRPL5/16-N01 | 5/16"   | 1/8" Male NPT | 3            | No    | 3/4"   | 1.33" (33.8mm) | N/A            | Natural |
| HRPL5/16-N02 |         | 1/4" Male NPT |              |       |        | 1.49" (37.9mm) |                |         |
| HRPL5/16-N03 |         | 3/8" Male NPT |              |       |        | 1.51" (38.5mm) |                |         |
| HRPL3/8-N02  | 3/8"    | 1/4" Male NPT | 3            | No    | 27/32" | 1.64" (41.9mm) | 0.54oz (15.5g) | Natural |
| HRPL3/8-N03  |         | 3/8" Male NPT |              |       |        | 1.64" (41.9mm) |                |         |
| HRPL1/2-N03  | 1/2"    | 3/8" Male NPT | 2            | No    | 15/16" | 1.90" (48.5mm) | N/A            | Natural |
| HRPL1/2-N04  |         | 1/2" Male NPT |              |       |        | 2.02" (51.5mm) |                |         |

### Metric Tube Sizes

| Model     | Tube OD | Thread         | Package Qty. | Stock | Hex  | Length         | Weight         | Color   |
|-----------|---------|----------------|--------------|-------|------|----------------|----------------|---------|
| HRPL04R01 | 4mm     | 1/8" Male BSPT | 5            | No    | 15mm | 1.16" (29.7mm) | N/A            | Natural |
| HRPL04R02 |         | 1/4" Male BSPT |              |       | 17mm | 1.32" (33.7mm) |                |         |
| HRPL06R01 | 6mm     | 1/8" Male BSPT | 5            | No    | 17mm | 1.24" (31.7mm) | 0.25oz (7.20g) | Natural |
| HRPL06R02 |         | 1/4" Male BSPT |              |       |      | 1.40" (35.7mm) | 0.28oz (8.00g) |         |
| HRPL08R01 | 8mm     | 1/8" Male BSPT | 3            | No    | 19mm | 1.31" (33.4mm) | 0.34oz (9.90g) | Natural |
| HRPL08R02 |         | 1/4" Male BSPT |              |       |      | 1.47" (37.4mm) | 0.37oz (10.7g) |         |
| HRPL08R03 |         | 3/8" Male BSPT |              |       |      | 1.48" (37.8mm) | 0.50oz (11.4g) |         |
| HRPL10R02 | 10mm    | 1/4" Male BSPT | 3            | No    | 21mm | 1.62" (41.4mm) | N/A            | Natural |
| HRPL10R03 |         | 3/8" Male BSPT |              |       |      | 1.64" (41.8mm) | 0.54oz (15.4g) |         |
| HRPL10R04 |         | 1/2" Male BSPT | 2            |       | 24mm | 1.76" (44.8mm) | N/A            |         |
| HRPL12R03 | 12mm    | 3/8" Male BSPT | 2            | No    | 24mm | 1.89" (48.2mm) | N/A            | Natural |
| HRPL12R04 |         | 1/2" Male BSPT |              |       |      | 2.01" (51.2mm) |                |         |



# Fluidfit™ Push-to-Connect Fittings

## Tee Fittings

### Male Swivel Branch Tee - HRPT

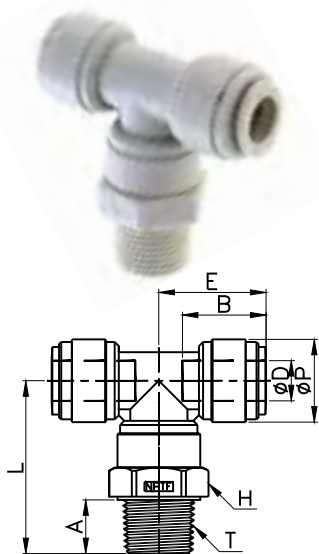
Male Swivel Branch Tees feature opposing push-to-connect ports arranged 90° from a single male swivel thread.

Fractional Tube Sizes

| Model        | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         | Color   |
|--------------|---------|---------------|--------------|-------|--------|----------------|----------------|---------|
| HRPT5/32-N01 | 5/32"   | 1/8" Male NPT | 5            | No    | 5/8"   | 1.16" (29.7mm) | N/A            | Natural |
| HRPT5/32-N02 |         | 1/4" Male NPT |              |       |        | 1.33" (33.8mm) |                |         |
| HRPT1/4-N01  | 1/4"    | 1/8" Male NPT | 5            | No    | 11/16" | 1.29" (32.8mm) | 0.35oz (10.2g) | Natural |
| HRPT1/4-N02  |         | 1/4" Male NPT | 3            |       |        | 1.45" (36.9mm) | 0.39oz (11.3g) |         |
| HRPT5/16-N01 | 5/16"   | 1/8" Male NPT | 3            | No    | 3/4"   | 1.33" (33.8mm) | N/A            | Natural |
| HRPT5/16-N02 |         | 1/4" Male NPT |              |       |        | 1.49" (37.9mm) |                |         |
| HRPT5/16-N03 |         | 3/8" Male NPT |              |       |        | 1.51" (38.5mm) |                |         |
| HRPT3/8-N02  | 3/8"    | 1/4" Male NPT | 3            | No    | 27/32" | 1.64" (41.9mm) | 0.71oz (20.2g) | Natural |
| HRPT3/8-N03  |         | 3/8" Male NPT | 2            |       |        | 1.64" (41.8mm) | 0.73oz (20.8g) |         |
| HRPT1/2-N03  | 1/2"    | 3/8" Male NPT | 1            | No    | 15/16" | 1.90" (48.5mm) | N/A            | Natural |
| HRPT1/2-N04  |         | 1/2" Male NPT |              |       |        | 2.02" (51.5mm) |                |         |

Metric Tube Sizes

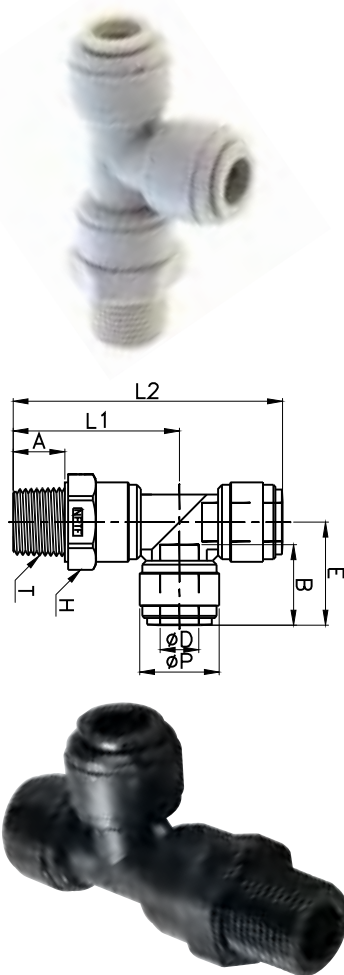
| Model     | Tube OD | Thread         | Package Qty. | Stock | Hex  | Length         | Weight         | Color |
|-----------|---------|----------------|--------------|-------|------|----------------|----------------|-------|
| HRPT04R01 | 4mm     | 1/8" Male BSPT | 5            | No    | 15mm | 1.16" (29.7mm) | N/A            | Black |
| HRPT04R02 |         | 1/4" Male BSPT |              |       | 17mm | 1.32" (33.7mm) |                |       |
| HRPT06R01 | 6mm     | 1/8" Male BSPT | 5            | No    | 17mm | 1.24" (31.7mm) | 0.32oz (9.34g) | Black |
| HRPT06R02 |         | 1/4" Male BSPT | 3            |       |      | 1.40" (35.7mm) | 0.36oz (10.3g) |       |
| HRPT08R01 | 8mm     | 1/8" Male BSPT | 3            | No    | 19mm | 1.31" (33.4mm) | 0.46oz (13.1g) | Black |
| HRPT08R02 |         | 1/4" Male BSPT |              |       |      | 1.47" (37.4mm) | 0.49oz (14.0g) |       |
| HRPT08R03 |         | 3/8" Male BSPT |              |       |      | 1.48" (37.8mm) | 0.51oz (14.6g) |       |
| HRPT10R02 | 10mm    | 1/4" Male BSPT | 3            | No    | 21mm | 1.62" (41.4mm) | N/A            | Black |
| HRPT10R03 |         | 3/8" Male BSPT |              |       | 24mm | 1.64" (41.8mm) | 0.68oz (19.4g) |       |
| HRPT10R04 |         | 1/2" Male BSPT |              |       |      | 1.76" (44.8mm) | N/A            |       |
| HRPT12R03 | 12mm    | 3/8" Male BSPT | 1            | No    | 24mm | 1.68" (42.8mm) | N/A            | Black |
| HRPT12R04 |         | 1/2" Male BSPT |              |       |      | 2.01" (51.2mm) |                |       |



# Fluidfit™ Push-to-Connect Fittings

## Male Swivel Run Tee - HRST

Male Swivel Run Tees feature a push-to-connect port opposed to a male swivel, both arranged 90° from a push-to-connect port.



### Fractional Tube Sizes

| Model        | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         | Color   |
|--------------|---------|---------------|--------------|-------|--------|----------------|----------------|---------|
| HRST5/32-N01 | 5/32"   | 1/8" Male NPT | 5            | No    | 5/8"   | 1.16" (29.7mm) | N/A            | Natural |
| HRST5/32-N02 |         | 1/4" Male NPT |              |       |        | 1.33" (33.8mm) |                |         |
| HRST1/4-N01  | 1/4"    | 1/8" Male NPT | 5            | No    | 11/16" | 1.29" (32.8mm) | 0.35oz (10.2g) | Natural |
| HRST1/4-N02  |         | 1/4" Male NPT | 3            |       |        | 1.45" (36.9mm) | 0.39oz (11.3g) |         |
| HRST5/16-N01 | 5/16"   | 1/8" Male NPT | 3            | No    | 3/4"   | 1.33" (33.8mm) | N/A            | Natural |
| HRST5/16-N02 |         | 1/4" Male NPT |              |       |        | 1.49" (37.9mm) |                |         |
| HRST5/16-N03 |         | 3/8" Male NPT |              |       |        | 1.51" (38.5mm) |                |         |
| HRST3/8-N02  | 3/8"    | 1/4" Male NPT | 3            | No    | 27/32" | 1.64" (41.9mm) | 0.71oz (20.2g) | Natural |
| HRST3/8-N03  |         | 3/8" Male NPT | 2            |       |        | 1.64" (41.8mm) |                |         |
| HRST1/2-N03  | 1/2"    | 3/8" Male NPT | 1            | No    | 15/16" | 1.90" (48.5mm) | N/A            | Natural |
| HRST1/2-N04  |         | 1/2" Male NPT |              |       |        | 2.02" (51.5mm) |                |         |

### Metric Tube Sizes

| Model     | Tube OD | Thread         | Package Qty. | Stock | Hex  | Length         | Weight         | Color |
|-----------|---------|----------------|--------------|-------|------|----------------|----------------|-------|
| HRST04R01 | 4mm     | 1/8" Male BSPT | 5            | No    | 15mm | 1.16" (29.7mm) | N/A            | Black |
| HRST04R02 |         | 1/4" Male BSPT |              |       | 17mm | 1.32" (33.7mm) | N/A            |       |
| HRST06R01 | 6mm     | 1/8" Male BSPT | 5            | No    | 17mm | 1.24" (31.7mm) | 0.32oz (9.34g) | Black |
| HRST06R02 |         | 1/4" Male BSPT | 3            |       |      | 1.40" (35.7mm) | 0.36oz (10.3g) |       |
| HRST08R01 | 8mm     | 1/8" Male BSPT | 3            | No    | 19mm | 1.31" (33.4mm) | 0.46oz (13.1g) | Black |
| HRST08R02 |         | 1/4" Male BSPT |              |       |      | 1.47" (37.4mm) | 0.49oz (14.0g) |       |
| HRST08R03 |         | 3/8" Male BSPT |              |       |      | 1.48" (37.8mm) | 0.51oz (14.6g) |       |
| HRST10R02 | 10mm    | 1/4" Male BSPT | 3            | No    | 21mm | 1.62" (41.4mm) | N/A            | Black |
| HRST10R03 |         | 3/8" Male BSPT |              |       |      | 1.64" (41.8mm) | N/A            |       |
| HRST10R04 |         | 1/2" Male BSPT |              |       | 24mm | 1.76" (44.8mm) | 0.68oz (19.4g) |       |
| HRST12R03 | 12mm    | 3/8" Male BSPT | 1            | No    | 24mm | 1.89" (48.2mm) | N/A            | Black |
| HRST12R04 |         | 1/2" Male BSPT |              |       |      | 2.01" (51.2mm) | N/A            |       |



# Fluidfit™ Push-to-Connect Fittings

## Y Fittings

### Male Swivel Y - HRWT

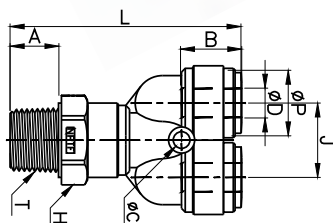
Male Y Fittings feature parallel push-to-connect ports opposed to a single male swivel thread.

Fractional Tube Sizes

| Model        | Tube OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         | Color   |
|--------------|---------|---------------|--------------|-------|--------|----------------|----------------|---------|
| HRWT5/32-N01 | 5/32"   | 1/8" Male NPT | 5            | No    | 5/8"   | 1.44" (36.8mm) | N/A            | Natural |
| HRWT5/32-N02 |         | 1/4" Male NPT |              |       |        | 1.95" (49.6mm) |                |         |
| HRWT1/4-N01  | 1/4"    | 1/8" Male NPT | 5            | No    | 11/16" | 1.99" (50.6mm) | 0.38oz (11.0g) | Natural |
| HRWT1/4-N02  |         | 1/4" Male NPT | 3            |       |        | 2.15" (54.7mm) | 0.43oz (12.2g) |         |
| HRWT5/16-N01 | 5/16"   | 1/8" Male NPT | 3            | No    | 3/4"   | 2.08" (52.9mm) | N/A            | Natural |
| HRWT5/16-N02 |         | 1/4" Male NPT |              |       |        | 2.24" (57.0mm) |                |         |
| HRWT5/16-N03 |         | 3/8" Male NPT |              |       |        | 2.26" (57.6mm) |                |         |
| HRWT5/8-N02  | 3/8"    | 1/4" Male NPT | 3            | No    | 27/32" | 2.45" (62.4mm) | 0.74oz (21.2g) | Natural |
| HRWT3/8-N03  |         | 3/8" Male NPT | 2            |       |        | 2.45" (62.3mm) | 0.76oz (21.7g) |         |
| HRWT1/2-N03  | 1/2"    | 3/8" Male NPT | 1            | No    | 15/16" | 0.93" (23.8mm) | N/A            | Natural |
| HRWT1/2-N04  |         | 1/2" Male NPT |              |       |        | 0.93" (23.8mm) |                |         |

Metric Tube Sizes

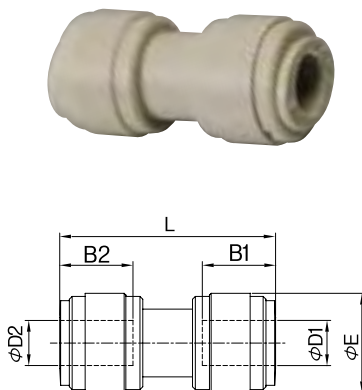
| Model     | Tube OD | Thread         | Package Qty. | Stock | Hex  | Length         | Weight         | Color |
|-----------|---------|----------------|--------------|-------|------|----------------|----------------|-------|
| HRWT04R01 | 4mm     | 1/8" Male BSPT | 5            | No    | 15mm | 1.16" (29.7mm) | N/A            | Black |
| HRWT04R02 |         | 1/4" Male BSPT |              |       | 17mm | 1.32" (33.7mm) |                |       |
| HRWT06R01 | 6mm     | 1/8" Male BSPT | 5            | No    | 17mm | 1.24" (31.7mm) | 0.32oz (9.34g) | Black |
| HRWT06R02 |         | 1/4" Male BSPT | 3            |       |      | 1.40" (35.7mm) | 0.36oz (10.3g) |       |
| HRWT08R01 | 8mm     | 1/8" Male BSPT | 3            | No    | 19mm | 1.31" (33.4mm) | 0.46oz (13.1g) | Black |
| HRWT08R02 |         | 1/4" Male BSPT |              |       |      | 1.47" (37.4mm) | 0.49oz (14.0g) |       |
| HRWT08R03 |         | 3/8" Male BSPT |              |       |      | 1.48" (37.8mm) | 0.51oz (14.6g) |       |
| HRWT10R02 | 10mm    | 1/4" Male BSPT | 3            | No    | 21mm | 1.62" (41.4mm) | N/A            | Black |
| HRWT10R03 |         | 3/8" Male BSPT |              |       |      | 1.64" (41.8mm) |                |       |
| HRWT10R04 |         | 1/2" Male BSPT | 2            |       | 24mm | 1.76" (44.8mm) | 0.68oz (19.4g) |       |
| HRWT12R03 | 12mm    | 3/8" Male BSPT | 1            | No    | 24mm | 1.89" (48.2mm) | N/A            | Black |
| HRWT12R04 |         | 1/2" Male BSPT |              |       |      | 2.01" (51.2mm) |                |       |



# Fluidfit™ Push-to-Connect Fittings

## Union Fittings

Union Straight Fittings feature two opposing push-to-connect ports.



Fractional Tube Sizes

| Model        | Tube 1<br>OD | Tube 2<br>OD | Package<br>Qty. | Stock | Diameter       | Length         | Weight         | Color   |
|--------------|--------------|--------------|-----------------|-------|----------------|----------------|----------------|---------|
| HUC5/32-5/32 | 5/32"        | 5/32"        | 10              | Yes   | 0.51" (13.2mm) | 1.25" (31.8mm) | 0.13oz (3.80g) | Natural |
| HUC3/16-3/16 | 3/16"        | 3/16"        | 10              | Yes   | 0.54" (13.8mm) | 1.27" (32.5mm) | 0.14oz (4.00g) | Natural |
| HUC1/4-1/4   | 1/4"         | 1/4"         | 10              | Yes   | 0.61" (15.5mm) | 1.42" (36.2mm) | 0.18oz (5.20g) | Natural |
| HUC5/16-5/32 | 5/16"        | 5/32"        | 5               | No    | 0.69" (17.6mm) | 1.44" (36.6mm) | 0.22oz (6.50g) | Natural |
| HUC5/16-1/4  |              | 1/4"         |                 | Yes   |                | 1.50" (38.2mm) | 0.24oz (6.90g) |         |
| HUC5/16-5/16 |              | 5/16"        |                 |       |                |                |                |         |
| HUC3/8-1/4   | 3/8"         | 1/4"         | 5               | No    | 0.78" (20.0mm) | 1.65" (42.1mm) | 0.34oz (9.90g) | Natural |
| HUC3/8-5/16  |              | 5/16"        |                 | Yes   |                | 1.67" (42.5mm) |                |         |
| HUC3/8-3/8   |              | 3/8"         |                 |       |                | 1.68" (42.9mm) |                |         |
| HUC1/2-5/16  | 1/2"         | 5/16"        | 5               | No    | 0.92" (23.6mm) | 2.04" (52.0mm) | 0.58oz (16.7g) | Natural |
| HUC1/2-3/8   |              | 3/8"         |                 | Yes   |                | 2.06" (52.4mm) | 0.57oz (16.3g) |         |
| HUC1/2-1/2   |              | 1/2"         |                 |       |                | 2.09" (53.2mm) | 0.51oz (14.6g) |         |



Metric Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Diameter       | Length         | Weight         | Color |
|---------|-----------|-----------|--------------|-------|----------------|----------------|----------------|-------|
| HUC0404 | 4mm       | 4mm       | 10           | No    | 0.51" (13.2mm) | 1.25" (31.8mm) | 0.13oz (3.80g) | Black |
| HUC0604 | 6mm       | 4mm       | 10           | No    | 0.59" (15.0mm) | 1.37" (35.0mm) | 0.17oz (5.00g) | Black |
| HUC0606 |           | 6mm       |              |       |                | 1.38" (35.2mm) | 0.16oz (4.70g) |       |
| HUC0804 | 8mm       | 4mm       | 5            | No    | 0.69" (17.6mm) | 1.38" (35.1mm) | 0.22oz (6.50g) | Black |
| HUC0806 |           | 6mm       |              |       |                | 1.48" (37.8mm) | 0.25oz (7.10g) |       |
| HUC0808 |           | 8mm       |              |       |                | 1.50" (38.2mm) | 0.24oz (6.90g) |       |
| HUC1006 | 10mm      | 6mm       | 5            | No    | 0.78" (20.0mm) | 1.65" (42.0mm) | 0.34oz (9.80g) | Black |
| HUC1008 |           | 8mm       |              |       |                | 1.66" (42.4mm) | 0.33oz (9.60g) |       |
| HUC1010 |           | 10mm      |              |       |                | 1.68" (42.7mm) | 0.32oz (9.20g) |       |
| HUC1208 | 12mm      | 8mm       | 3            | No    | 0.90" (23.0mm) | 1.74" (44.4mm) | 0.40oz (11.5g) | Black |
| HUC1210 |           | 10mm      |              |       |                | 2.03" (51.7mm) | 0.52oz (15.0g) |       |
| HUC1212 |           | 12mm      |              |       |                | 2.06" (52.4mm) | 0.50oz (14.4g) |       |

# Fluidfit™ Push-to-Connect Fittings

## Union Elbows (Reducers Included) - HUL

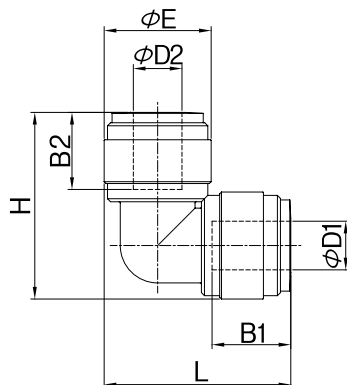
Union Elbow Fittings feature two push-to-connect ports arranged at 90°.

### Fractional Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Diameter       | Length         | Weight         | Color   |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|----------------|---------|
| HUL5/32-5/32 | 5/32"     | 5/32"     | 10           | Yes   | 0.51" (13.2mm) | 0.96" (24.5mm) | 0.14oz (4.00g) | Natural |
| HUL3/16-3/16 | 3/16"     | 3/16"     | 10           | Yes   | 0.54" (13.8mm) | 1.00" (25.5mm) | 0.15oz (4.30g) | Natural |
| HUL1/4-1/4   | 1/4"      | 1/4"      | 10           | Yes   | 0.61" (15.5mm) | 1.13" (28.8mm) | 0.19oz (5.50g) | Natural |
| HUL5/16-5/32 | 5/16"     | 5/32"     | 5            | Yes   | 0.51" (13.2mm) | 1.11" (28.3mm) | 0.20oz (5.90g) | Natural |
| HUL5/16-1/4  |           | 1/4"      |              |       | 0.69" (17.6mm) | 1.20" (30.7mm) | 0.26oz (7.60g) |         |
| HUL5/16-5/16 |           | 5/16"     |              |       |                |                |                |         |
| HUL3/8-1/4   | 3/8"      | 1/4"      | 5            | Yes   | 0.78" (20.0mm) | 1.41" (35.9mm) | 0.39oz (11.1g) | Natural |
| HUL3/8-5/16  |           | 5/16"     |              |       |                |                | 0.37oz (10.6g) |         |
| HUL3/8-3/8   |           | 3/8"      |              |       |                |                |                |         |
| HUL1/2-3/8   | 1/2"      | 3/8"      | 3            | Yes   | 0.90" (23.0mm) | 1.70" (43.4mm) | 0.61oz (17.5g) | Natural |
| HUL1/2-1/2   |           | 1/2"      |              |       |                |                | 0.58oz (16.7g) |         |

### Metric Tube Sizes

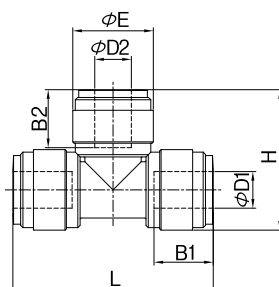
| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Diameter       | Length         | Weight         | Color |
|---------|-----------|-----------|--------------|-------|----------------|----------------|----------------|-------|
| HUL0404 | 4mm       | 4mm       | 10           | No    | 0.51" (13.2mm) | 0.96" (24.5mm) | 0.13oz (3.90g) | Black |
| HUL0606 | 6mm       | 6mm       | 10           | No    | 0.59" (15.0mm) | 1.08" (27.6mm) | 0.17oz (5.10g) | Black |
| HUL0804 | 8mm       | 4mm       | 5            | No    | 0.68" (17.5mm) | 1.11" (28.3mm) | 0.20oz (5.90g) | Black |
| HUL0806 |           | 6mm       |              |       | 0.69" (17.6mm) | 1.19" (30.3mm) | 0.27oz (7.70g) |       |
| HUL0808 |           | 8mm       |              |       |                | 1.20" (30.7mm) | 0.26oz (7.60g) |       |
| HUL1006 | 10mm      | 6mm       | 5            | No    | 0.90" (23.0mm) | 1.42" (36.1mm) | 0.44oz (12.6g) | Black |
| HUL1008 |           | 8mm       |              |       | 0.78" (20.0mm) | 1.39" (35.5mm) | 0.35oz (10.2g) |       |
| HUL1010 |           | 10mm      |              |       |                | 1.41" (35.8mm) | 0.35oz (10.2g) |       |
| HUL1206 | 12mm      | 6mm       | 5            | No    | 0.90" (23.0mm) | 1.42" (36.1mm) | 0.42oz (12.0g) | Black |
| HUL1208 |           | 8mm       |              |       |                | 1.43" (36.5mm) | 0.41oz (11.9g) |       |
| HUL1212 |           | 12mm      |              |       |                | 1.70" (43.2mm) | 0.57oz (16.4g) |       |



# Fluidfit™ Push-to-Connect Fittings

## Union Tee (Reducers Included) – HUT

Union Tee Fittings provide two opposing push-to-connect ports, with a third port arranged 90° apart.



### Fractional Tube Sizes

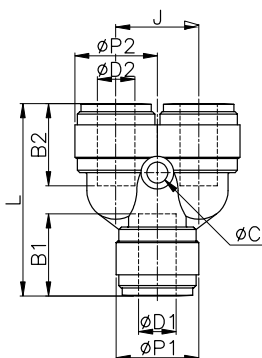
| Model          | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Diameter       | Length         | Weight         | Color   |
|----------------|-----------|-----------|--------------|-------|----------------|----------------|----------------|---------|
| HUT5/32-5/32   | 5/32"     | 5/32"     | 10           | Yes   | 0.96" (24.5mm) | 1.40" (35.8mm) | 0.20oz (5.70g) | Natural |
| HUT3/16-3/16   | 3/16"     | 3/16"     | 10           | Yes   | 1.00" (25.5mm) | 1.46" (37.2mm) | 0.21oz (6.20g) | Natural |
| HUT1/4-1/4     | 1/4"      | 1/4"      | 5            | Yes   | 1.13" (28.8mm) | 1.65" (42.0mm) | 0.28oz (8.10g) | Natural |
| HUT5/16-5/16   | 5/16"     | 5/16"     | 5            | Yes   | 1.20" (30.7mm) | 1.72" (43.8mm) | 0.37oz (10.6g) | Natural |
| HUT3/8-1/4-3/8 | 3/8"      | 1/4"      | 3            | Yes   | 1.26" (32.1mm) | 1.92" (48.8mm) | 0.43oz (12.2g) | Natural |
| HUT3/8-3/8     |           | 3/8"      |              |       | 1.41" (35.9mm) | 2.03" (51.8mm) | 0.54oz (15.4g) |         |
| HUT1/2-1/2     | 1/2"      | 1/2"      | 3            | Yes   | 1.70" (43.4mm) | 2.51" (63.8mm) | 0.81oz (23.2g) | Natural |

### Metric Tube Sizes

| Model     | Tube 1 OD | Tube 2 OD   | Package Qty. | Stock | Diameter       | Length         | Weight         | Color |
|-----------|-----------|-------------|--------------|-------|----------------|----------------|----------------|-------|
| HUT0404   | 4mm       | 4mm         | 10           | No    | 0.96" (24.5mm) | 1.40" (35.8mm) | 0.20oz (5.80g) | Black |
| HUT0606   | 6mm       | 6mm         | 5            | No    | 1.08" (27.6mm) | 1.58" (40.2mm) | 0.25oz (7.30g) | Black |
| HUT0808   | 8mm       | 8mm         | 5            | No    | 1.20" (30.7mm) | 1.72" (43.8mm) | 0.37oz (10.6g) | Black |
| HUT100608 | 10mm      | 6mm / 8mm   | 3            | No    | 1.38" (35.1mm) | 2.01" (51.3mm) | 0.55oz (15.6g) | Black |
| HUT100610 |           | 6mm / 10mm  |              |       | 1.26" (32.1mm) | 2.03" (51.6mm) | 0.42oz (12.0g) |       |
| HUT1010   |           | 10mm        |              |       | 1.40" (35.8mm) |                | 0.51oz (14.6g) |       |
| HUT121012 | 12mm      | 10mm / 12mm | 2            | No    | 1.67" (42.5mm) | 2.49" (63.4mm) | 0.85oz (24.2g) | Black |
| HUT1212   |           | 12mm        |              |       | 1.70" (43.2mm) |                | 0.81oz (23.2g) |       |

## Equal Union Y (Reducers Included) – HUY

Equal Union Y Fittings provide two parallel push-to-connect ports, with a third opposing port.



### Fractional Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Diameter       | Length         | Weight         | Color   |
|--------------|-----------|-----------|--------------|-------|----------------|----------------|----------------|---------|
| HUY5/32-5/32 | 5/32"     | 5/32"     | 10           | Yes   | 1.08" (27.6mm) | 1.32" (33.7mm) | 0.23oz (6.70g) | Natural |
| HUY3/16-3/16 | 3/16"     | 3/16"     | 5            | Yes   | 1.08" (27.6mm) | 1.34" (34.1mm) | 0.23oz (6.80g) | Natural |
| HUY1/4-1/4   | 1/4"      | 1/4"      | 5            | Yes   | 1.22" (31.0mm) | 1.52" (38.8mm) | 0.31oz (8.80g) | Natural |
| HUY5/16-5/16 | 5/16"     | 5/16"     | 5            | Yes   | 1.38" (35.2mm) | 1.61" (41.0mm) | 0.41oz (11.8g) | Natural |
| HUY3/8-3/8   | 3/8"      | 3/8"      | 3            | Yes   | 1.57" (40.0mm) | 1.82" (46.4mm) | 0.58oz (16.7g) | Natural |
| HUY1/2-1/2   | 1/2"      | 1/2"      | 2            | Yes   | 1.81" (46.0mm) | 2.23" (56.8mm) | 0.88oz (25.1g) | Natural |

### Metric Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Diameter       | Length         | Weight         | Color |
|---------|-----------|-----------|--------------|-------|----------------|----------------|----------------|-------|
| HUY0404 | 4mm       | 4mm       | 10           | No    | 1.08" (27.6mm) | 1.32" (33.7mm) | 0.23oz (6.70g) | Black |
| HUY0606 | 6mm       | 6mm       | 5            | No    | 1.22" (31.0mm) | 1.52" (38.8mm) | 0.32oz (9.20g) | Black |
| HUY0808 | 8mm       | 8mm       | 5            | No    | 1.38" (35.2mm) | 1.61" (41.0mm) | 0.40oz (11.6g) | Black |
| HUY1008 | 10mm      | 8mm       | 3            | No    | 1.57" (40.0mm) | 1.80" (45.9mm) | 0.59oz (16.8g) | Black |
| HUY1010 | 10mm      | 10mm      | 3            | No    | 1.57" (40.0mm) | 1.81" (46.2mm) | 0.56oz (16.0g) | Black |
| HUY1212 | 12mm      | 12mm      | 2            | No    | 1.81" (46.0mm) | 2.22" (56.4mm) | 0.92oz (26.3g) | Black |



# Fluidfit™ Push-to-Connect Fittings

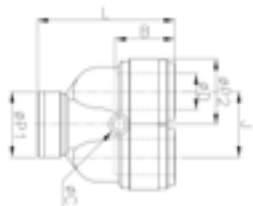


## Union “Y” – HBU

Union “Y” Fittings contain two parallel push-to-connect ports with a single opposing port.

### Fractional Tube Sizes

| Model      | Tube O.D. | Package Qty. | Stock | Length         | Weight         | Color   |
|------------|-----------|--------------|-------|----------------|----------------|---------|
| HBU1/2-1/2 | 1/2"      | 5            | No    | 0.90" (23.0mm) | 0.84oz (23.9g) | Natural |



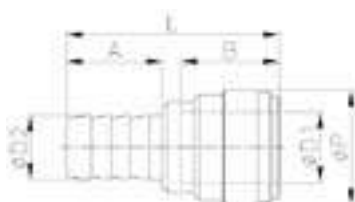
## Barb Fittings

### Barb Adapter – HCBB

Barb Adapters feature a hose barb opposing a push to connect port.

### Metric Tube Sizes

| Model      | Tube OD | Barb OD | Package Qty. | Stock | Diameter       | Length         | Weight         | Color |
|------------|---------|---------|--------------|-------|----------------|----------------|----------------|-------|
| HCBB1210   | 12mm    | 10mm    | N/A          | No    | 0.90" (23.0mm) | 1.84" (46.9mm) | 0.29oz (8.50g) | Black |
| HCBB15-1/2 | 15mm    | 1/2"    | N/A          | No    | 1.10" (28.0mm) | 2.13" (54.2mm) | 0.49oz (14.0g) | Black |
| HCBB22-1/2 | 22mm    | 1/2"    | N/A          | No    | 1.40" (35.7mm) | 2.31" (58.8mm) | 0.77oz (22.1g) | Black |
| HCBB22-3/4 | 22mm    | 3/4"    | N/A          | No    | 1.40" (35.7mm) | 2.61" (66.5mm) | 0.90oz (25.7g) | Black |



### Barb Mender – HCJB

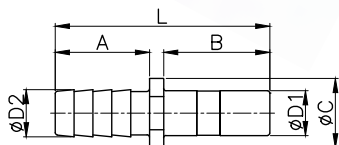
Barb Menders feature a barb opposing an insert stem, allowing the connection of a hose to a push-to-connect port.

### Fractional Tube Sizes

| Model         | Stem OD | Barb OD | Package Qty. | Stock | Diameter       | Length         | Weight         | Color  |
|---------------|---------|---------|--------------|-------|----------------|----------------|----------------|--------|
| HCJB1/4-1/4   | 1/4"    | 1/4"    | N/A          | No    | 0.46" (11.8mm) | 1.53" (39.0mm) | 0.04oz (1.20g) | Natura |
| HCJB5/16-5/16 | 5/16"   | 5/16"   | N/A          | No    | 0.48" (12.2mm) | 1.57" (40.0mm) | 0.07oz (2.10g) | Natura |
| HCJB3/8-5/16  | 3/8"    | 5/16"   | N/A          | No    | 0.57" (14.7mm) | 1.72" (43.5mm) | 0.09oz (2.60g) | Natura |
| HCJB3/8-3/8   |         | 3/8"    |              |       |                | 1.79" (45.5mm) | 0.08oz (2.50g) |        |
| HCJB1/2-3/8   | 1/2"    | 3/8"    | N/A          | No    | 0.72" (18.5mm) | 1.98" (50.5mm) | 0.14oz (4.10g) | Natura |

### Metric Tube Sizes

| Model    | Stem OD | Barb OD       | Package Qty. | Stock | Diameter       | Length         | Weight         | Color |
|----------|---------|---------------|--------------|-------|----------------|----------------|----------------|-------|
| HCJB0604 | 6mm     | 4.5mm         | 10           | No    | 0.44" (11.4mm) | 1.50" (38.2mm) | 0.03oz (1.00g) | Black |
| HCJB0606 |         | 6.5mm (1/4")  |              |       |                |                |                |       |
| HCJB0806 | 8mm     | 6.5mm (1/4")  | 10           | No    | 0.48" (12.2mm) | 1.57" (40.0mm) | 0.05oz (1.70g) | Black |
| HCJB1006 | 10mm    | 6.5mm (1/4")  | 10           | No    | 0.57" (14.7mm) | 1.71" (43.5mm) | 0.08oz (2.30g) | Black |
| HCJB1008 |         | 8.6mm (5/16") |              |       |                |                |                |       |

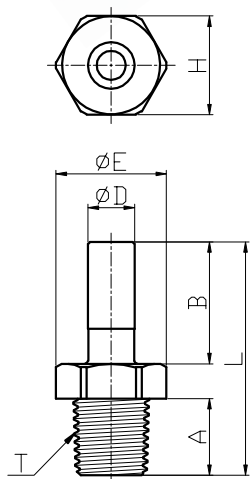


# Fluidfit™ Push-to-Connect Fittings

## Plug-In Fittings

### Straight Plug-In Stem Adapter - HCJ

Straight Plug-In Stem Adapters feature a push-to-connect stem opposing a male thread.



Fractional Tube Sizes

| Model       | Stem OD | Thread        | Package Qty. | Stock | Hex    | Length         | Weight         | Color   |
|-------------|---------|---------------|--------------|-------|--------|----------------|----------------|---------|
| HCJ5/32-N01 | 5/32"   | 1/8" Male NPT | 10           | Yes   | 1/2"   | 1.30" (33.1mm) | 0.06oz (1.90g) | Natural |
| HCJ5/32-N02 |         | 1/4" Male NPT |              |       | 5/8"   | 1.46" (37.2mm) | 0.12oz (3.60g) |         |
| HCJ3/16-N01 | 3/16"   | 1/8" Male NPT | 10           | Yes   | 1/2"   | 1.30" (33.1mm) | 0.07oz (2.00g) | Natural |
| HCJ1/4-N01  | 1/4"    | 1/8" Male NPT | 10           | Yes   | 1/2"   | 1.34" (34.1mm) | 0.07oz (2.10g) | Natural |
| HCJ1/4-N02  |         | 1/4" Male NPT |              |       | 5/8"   | 1.50" (38.2mm) | 0.13oz (3.80g) |         |
| HCJ5/16-N01 | 5/16"   | 1/8" Male NPT | 10           | Yes   | 1/2"   | 1.38" (35.1mm) | 0.09oz (2.80g) | Natural |
| HCJ5/16-N02 |         | 1/4" Male NPT | 5            |       | 5/8"   | 1.54" (39.2mm) | 0.13oz (3.90g) |         |
| HCJ5/16-N03 |         | 3/8" Male NPT |              |       | 3/4"   | 1.58" (40.3mm) | 0.20oz (5.90g) |         |
| HCJ3/8-N02  | 3/8"    | 1/4" Male NPT | 5            | Yes   | 5/8"   | 1.66" (42.2mm) | 0.15oz (4.50g) | Natural |
| HCJ3/8-N03  |         | 3/8" Male NPT |              |       | 3/4"   | 1.70" (43.3mm) | 0.22oz (6.50g) |         |
| HCJ1/2-N03  | 1/2"    | 3/8" Male NPT | 5            | Yes   | 3/4"   | 1.86" (47.3mm) | 0.24oz (6.90g) | Natural |
| HCJ1/2-N04  |         | 1/2" Male NPT | 3            |       | 15/16" | 2.01" (51.3mm) | 0.40oz (11.4g) |         |

Metric Tube Sizes

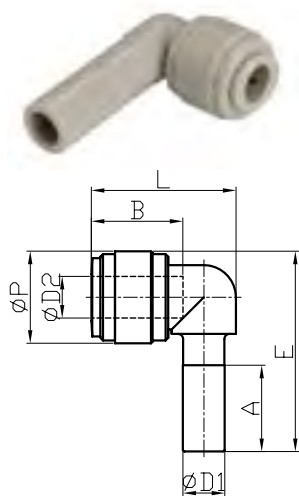
| Model    | Stem OD | Thread             | Package Qty. | Stock | Hex  | Length         | Weight         | Color |
|----------|---------|--------------------|--------------|-------|------|----------------|----------------|-------|
| HCJ04R01 | 4mm     | 1/8" Male BSPT (R) | 10           | No    | 13mm | 1.30" (33.1mm) | 0.06oz (1.80g) | Black |
| HCJ04R02 |         | 1/4" Male BSPT (R) |              |       | 17mm | 1.46" (37.1mm) | 0.12oz (3.50g) |       |
| HCJ06R01 | 6mm     | 1/8" Male BSPT (R) | 10           | No    | 13mm | 1.36" (34.6mm) | 0.07oz (2.20g) | Black |
| HCJ06R02 |         | 1/4" Male BSPT (R) |              |       | 17mm | 1.51" (38.6mm) | 0.13oz (3.70g) |       |
| HCJ08R01 | 8mm     | 1/8" Male BSPT (R) | 5            | No    | 13mm | 1.42" (36.1mm) | 0.07oz (2.20g) | Black |
| HCJ08R02 |         | 1/4" Male BSPT (R) |              |       | 17mm | 1.57" (40.1mm) | 0.13oz (3.80g) |       |
| HCJ08R03 |         | 3/8" Male BSPT (R) |              |       | 21mm | 1.59" (40.5mm) | 0.18oz (5.30g) |       |
| HCJ10R02 | 10mm    | 1/4" Male BSPT (R) | 5            | No    | 17mm | 1.69" (43.1mm) | 0.15oz (4.50g) | Black |
| HCJ10R03 |         | 3/8" Male BSPT (R) |              |       | 21mm | 1.73" (44.0mm) | 0.21oz (6.10g) |       |
| HCJ10R04 |         | 1/2" Male BSPT (R) | 3            |       | 24mm | 1.85" (47.0mm) | 0.34oz (9.70g) |       |
| HCJ12R03 | 12mm    | 3/8" Male BSPT (R) | 5            | No    | 21mm | 1.88" (48.0mm) | 0.23oz (6.80g) | Black |
| HCJ12R04 |         | 1/2" Male BSPT (R) | 3            |       | 24mm | 2.00" (51.0mm) | 0.35oz (10.2g) |       |



# Fluidfit™ Push-to-Connect Fittings

## Plug-In Stem Elbow Adapter - HLJ

Plug-In Stem Elbow Adapters feature an insert stem with a push-to-connect port arranged 90° apart.



Fractional Tube Sizes

| Model         | Stem OD | Tube OD | Package Qty. | Stock | Width          | Length         | Weight         | Color   |
|---------------|---------|---------|--------------|-------|----------------|----------------|----------------|---------|
| HLJ5/32-5/32  | 5/32"   | 5/32"   | 10           | Yes   | 0.86" (21.9mm) | 1.18" (30.1mm) | 0.08oz (2.50g) | Natural |
| HLJ 3/16-3/16 | 3/16"   | 3/16"   | 10           | Yes   | 0.88" (22.5mm) | 1.23" (31.4mm) | 0.10oz (2.90g) | Natural |
| HLJ 1/4-1/4   | 1/4"    | 1/4"    | 10           | Yes   | 0.98" (25.1mm) | 1.37" (34.8mm) | 0.13oz (3.70g) | Natural |
| HLJ 5/16-5/16 | 5/16"   | 5/16"   | 5            | Yes   | 1.09" (27.7mm) | 1.50" (38.3mm) | 0.19oz (5.40g) | Natural |
| HLJ 3/8-1/4   | 3/8"    | 1/4"    | 5            | Yes   | 0.98" (25.1mm) | 1.51" (38.6mm) | 0.15oz (4.50g) | Natural |
| HLJ 3/8-5/16  |         | 5/16"   |              |       | 1.22" (31.0mm) | 1.70" (43.2mm) | 0.28oz (8.10g) |         |
| HLJ 3/8-3/8   |         | 3/8"    |              |       | 1.23" (31.4mm) | 1.70" (43.2mm) | 0.27oz (7.90g) |         |
| HLJ 1/2-1/2   | 1/2"    | 1/2"    | 3            | Yes   | 1.54" (39.2mm) | 2.01" (51.2mm) | 0.44oz (12.7g) | Natural |

Metric Tube Sizes

| Model   | Stem OD | Tube OD | Package Qty. | Stock | Width          | Length         | Weight         | Color |
|---------|---------|---------|--------------|-------|----------------|----------------|----------------|-------|
| HLJ0404 | 4mm     | 4mm     | 10           | No    | 0.86" (21.9mm) | 1.18" (30.1mm) | 0.08oz (2.50g) | Black |
| HLJ0606 | 6mm     | 6mm     | 10           | No    | 0.98" (25.1mm) | 1.37" (34.8mm) | 0.13oz (3.70g) | Black |
| HLJ0608 |         | 8mm     |              |       | 1.02" (26.0mm) | 1.44" (36.8mm) | 0.16oz (4.70g) |       |
| HLJ0808 | 8mm     | 8mm     | 5            | No    | 1.09" (27.7mm) | 1.50" (38.3mm) | 0.18oz (5.30g) | Black |
| HLJ1006 | 10mm    | 6mm     | 5            | No    | 1.20" (30.6mm) | 1.70" (43.2mm) | 0.27oz (7.80g) | Black |
| HLJ1008 |         | 8mm     |              |       | 1.22" (31.0mm) |                | 0.28oz (8.20g) |       |
| HLJ1010 |         | 10mm    |              |       | 1.23" (31.3mm) |                | 0.26oz (7.40g) |       |
| HLJ1212 | 12mm    | 12mm    | 3            | No    | 1.53" (39.0mm) | 2.01" (51.2mm) | 0.44oz (12.6g) | Black |

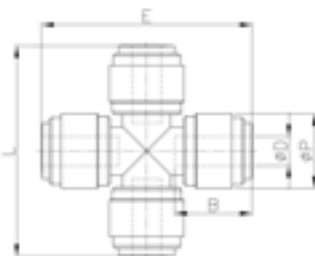


## Union Cross – HZA

Union Cross Fittings provide four opposing push-to-connect fittings.

Metric Tube Sizes

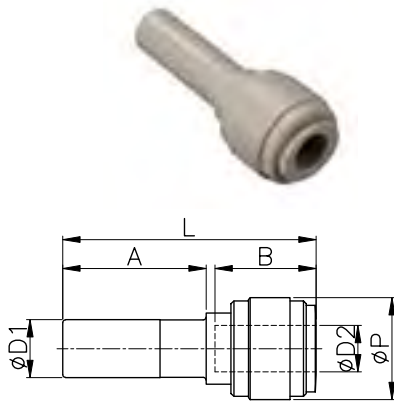
| Model   | Tube OD | Package Qty. | Stock | Length         | Weight        | Color |
|---------|---------|--------------|-------|----------------|---------------|-------|
| HZA0606 | 6mm     | 3            | No    | 1.72" (43.8mm) | 0.34oz (9.7g) | Black |



# Fluidfit™ Push-to-Connect Fittings

## Plug-In Tube Reducer - HGJ

Plug-In Tube Reducers feature an Insert stem with an opposing push-to-connect port of a different size.

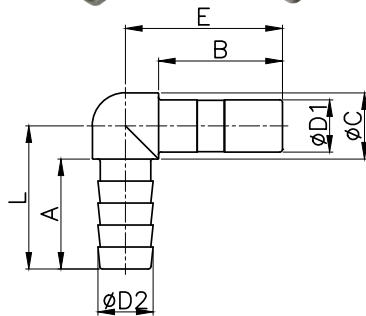


### Fractional Tube Sizes

| Model       | Stem OD | Tube OD | Package Qty. | Stock | Width          | Length         | Weight         | Color   |
|-------------|---------|---------|--------------|-------|----------------|----------------|----------------|---------|
| HGJ1/4-5/32 | 1/4"    | 5/32"   | 10           | Yes   | 0.51" (13.2mm) | 1.44" (36.7mm) | 0.08oz (2.40g) | Natural |
| HGJ5/16-1/4 | 5/16"   | 1/4"    | 10           | Yes   | 0.61" (15.5mm) | 1.59" (40.6mm) | 0.11oz (3.40g) | Natural |
| HGJ3/8-1/4  | 3/8"    | 1/4"    | 5            | Yes   | 0.69" (17.6mm) | 1.72" (43.9mm) | 0.16oz (4.70g) | Natural |
| HGJ3/8-5/16 |         | 5/16"   |              |       |                | 1.74" (44.3mm) |                |         |
| HGJ1/2-3/8  | 1/2"    | 3/8"    | 5            | Yes   | 0.78" (20.0mm) | 2.03" (51.7mm) | 0.25oz (7.10g) | Natural |

### Metric Tube Sizes

| Model   | Stem OD | Tube OD | Package Qty. | Stock | Width          | Length         | Weight         | Color |
|---------|---------|---------|--------------|-------|----------------|----------------|----------------|-------|
| HGJ0604 | 6mm     | 4mm     | 10           | No    | 0.41" (10.5mm) | 1.44" (36.7mm) | 0.08oz (2.40g) | Black |
| HGJ0804 | 8mm     | 4mm     | 10           | No    | 0.61" (15.5mm) | 0.88" (22.5mm) | 0.13oz (3.70g) | Black |
| HGJ0806 |         | 6mm     |              |       | 0.41" (10.5mm) |                | 0.12oz (3.50g) |       |
| HGJ0810 |         | 10mm    | 5            |       | 0.78" (20.0mm) |                | 0.19oz (5.40g) |       |
| HGJ1006 | 10mm    | 6mm     | 5            | No    | 0.49" (12.5mm) | 0.97" (24.8mm) | 0.18oz (5.20g) | Black |
| HGJ1008 |         | 8mm     |              |       |                |                | 0.17oz (5.10g) |       |
| HGJ1208 | 12mm    | 8mm     | N/A          | No    | 0.78" (20.0mm) | 1.16" (29.5mm) | 0.25oz (7.30g) | Black |
| HGJ1210 |         | 10mm    |              |       |                |                | 0.24oz (6.90g) |       |



## Plug-In Barb Elbow – HLJB

Plug-In Barb Elbows feature an insert stem arranged 90° apart from a hose barb.

### Fractional Tube Sizes

| Model        | Stem OD | Tube OD | Package Qty. | Stock | Width          | Length         | Weight         | Color   |
|--------------|---------|---------|--------------|-------|----------------|----------------|----------------|---------|
| HLJB3/8-5/16 | 3/8"    | 5/16"   | N/A          | No    | 0.94" (24.0mm) | 1.12" (28.5mm) | 0.10oz (3.10g) | Natural |
| HLJB3/8-3/8  |         | 3/8"    |              |       | 1.02" (26.0mm) |                | 0.11oz (3.30g) |         |

### Metric Tube Sizes

| Model    | Stem OD | Tube OD       | Package Qty. | Stock | Width          | Length         | Weight         | Color |
|----------|---------|---------------|--------------|-------|----------------|----------------|----------------|-------|
| HLJB1006 | 10mm    | 6.5mm (1/4")  | 10           | No    | 0.94" (24.0mm) | 1.12" (28.5mm) | 0.10oz (3.10g) | Black |
| HLJB1008 |         | 8.6mm (5/16") |              |       |                |                | 0.11oz (3.30g) |       |



# Fluidfit™ Push-to-Connect Fittings

## Bulkhead Fittings

### Bulkhead Union (Reducers Included) - HMM

Bulkhead Union Fittings allow for passage through a partition or panel by connecting two tubes together.

#### Fractional Tube Sizes

| Model        | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         | Color   |
|--------------|-----------|-----------|--------------|-------|------|----------------|----------------|----------------|---------|
| HMM5/32-5/32 | 5/32"     | 5/32"     | 5            | Yes   | 17mm | 0.53" (13.5mm) | 1.23" (31.4mm) | 0.24oz (6.90g) | Natural |
| HMM1/4-1/4   | 1/4"      | 1/4"      | 5            | Yes   | 19mm | 0.61" (15.5mm) | 1.34" (34.2mm) | 0.33oz (9.40g) | Natural |
| HMM1/4-3/8   |           | 3/8"      | 3            | No    | 24mm | 0.88" (22.5mm) | 1.88" (47.9mm) | 0.73oz (20.9g) |         |
| HMM5/16-5/16 | 5/16"     | 5/16"     | 3            | Yes   | 21mm | 0.72" (18.5mm) | 1.51" (38.5mm) | 0.50oz (14.2g) | Natural |
| HMM3/8-3/8   | 3/8"      | 3/8"      | 3            | Yes   | 24mm | 0.88" (22.5mm) | 1.66" (42.4mm) | 0.70oz (20.1g) | Natural |
| HMM1/2-1/2   | 1/2"      | 1/2"      | 2            | Yes   | 27mm | 1.00" (25.5mm) | 2.03" (51.8mm) | 0.97oz (27.6g) | Natural |

#### Metric Tube Sizes

| Model   | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         | Color |
|---------|-----------|-----------|--------------|-------|------|----------------|----------------|----------------|-------|
| HMM0404 | 4mm       | 4mm       | 5            | No    | 17mm | 0.53" (13.5mm) | 1.27" (32.4mm) | 0.24oz (6.90g) | Black |
| HMM0604 | 6mm       | 4mm       | 5            | No    | 19mm | 0.61" (15.5mm) | 1.39" (35.5mm) | 0.34oz (9.80g) | Black |
| HMM0606 |           | 6mm       |              |       |      |                | 1.40" (35.7mm) | 0.33oz (9.60g) |       |
| HMM0806 | 8mm       | 6mm       | 3            | No    | 21mm | 0.72" (18.5mm) | 1.50" (38.1mm) | 0.50oz (14.3g) | Black |
| HMM0808 | 6mm       | 8mm       |              |       |      |                | 1.51" (38.5mm) | 0.49oz (14.0g) |       |
| HMM1010 | 10mm      | 10mm      | 3            | No    | 24mm | 0.88" (22.5mm) | 1.66" (42.2mm) | 0.68oz (19.5g) | Black |
| HMM1212 | 12mm      | 12mm      | 2            | No    | 27mm | 0.88" (25.5mm) | 2.02" (51.4mm) | 0.99oz (28.2g) | Black |

### Cap – HPF

Caps provide a method of blocking a section of tubing.

#### Fractional Tube Sizes

| Model   | Tube O.D. | Package Qty. | Stock | Length         | Weight        | Color |
|---------|-----------|--------------|-------|----------------|---------------|-------|
| HPF1/4  | 1/4"      | 10           | No    | 0.74" (18.9mm) | 0.09oz (2.7g) | Black |
| HPF5/16 | 5/16"     | 10           | No    | 0.76" (19.5mm) | 0.12oz (3.6g) | Black |
| HPF3/8  | 3/8"      | N/A          | No    | 0.87" (22.2mm) | 0.17oz (5.0g) | Black |
| HPF1/2  | 1/2"      | N/A          | No    | 1.05" (26.9mm) | 0.24oz (7.0g) | Black |

#### Metric Tube Sizes

| Model | Tube O.D. | Package Qty. | Stock | Length         | Weight        | Color |
|-------|-----------|--------------|-------|----------------|---------------|-------|
| HPF06 | 6mm       | 10           | No    | 0.74" (18.9mm) | 0.09oz (2.8g) | Black |
| HPF08 | 8mm       | 10           | No    | 0.76" (19.5mm) | 0.12oz (3.6g) | Black |
| HPF10 | 10mm      | N/A          | No    | 0.79" (20.1mm) | 0.16oz (4.7g) | Black |
| HPF12 | 12mm      | N/A          | No    | 1.05" (26.7mm) | 0.25oz (7.3g) | Black |



# Fluidfit™ Push-to-Connect Fittings

## Plug – HPP

Plugs provide a method of blocking a push-to-connect port.



### Fractional Tube Sizes

| Model   | Tube O.D. | Package Qty. | Stock | Length         | Weight        | Color   |
|---------|-----------|--------------|-------|----------------|---------------|---------|
| HPP5/32 | 5/32"     | 20           | No    | 0.88" (22.5mm) | 0.02oz (0.8g) | Natural |
| HPP3/16 | 3/16"     | 20           | No    | 0.88" (22.5mm) | 0.03oz (0.9g) | Natural |
| HPP1/4  | 1/4"      | 20           | No    | 0.96" (24.5mm) | 0.04oz (1.2g) | Natural |
| HPP5/16 | 5/16"     | 10           | No    | 1.04" (26.5mm) | 0.06oz (1.8g) | Natural |
| HPP3/8  | 3/8"      | 10           | No    | 1.18" (30.0mm) | 0.09oz (2.7g) | Natural |
| HPP1/2  | 1/2"      | 10           | No    | 1.33" (34.0mm) | 0.15oz (4.4g) | Natural |

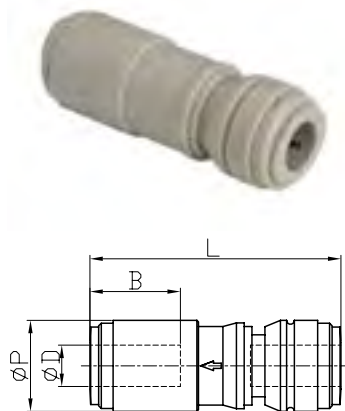
### Metric Tube Sizes

| Model | Tube O.D. | Package Qty. | Stock | Length         | Weight        | Color |
|-------|-----------|--------------|-------|----------------|---------------|-------|
| HPP04 | 4mm       | 20           | No    | 0.88" (22.5mm) | 0.02oz (0.8g) | Black |
| HPP06 | 6mm       | 20           | No    | 0.96" (24.5mm) | 0.03oz (1.1g) | Black |
| HPP08 | 8mm       | 10           | No    | 1.04" (26.5mm) | 0.06oz (1.8g) | Black |
| HPP10 | 10mm      | 10           | No    | 1.18" (30.0mm) | 0.09oz (2.8g) | Black |
| HPP12 | 12mm      | 10           | No    | 1.33" (34.0mm) | 0.14oz (4.0g) | Black |

## Check-Valve Fittings

### Check-Valve Fittings - HCVU

Check-Valve Fittings prevent the return of fluids in a circuit. Each check valve features opposing push-to-connect ports.



### Fractional Tube Sizes

| Model         | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Diameter       | Length         | Weight         | Color   |
|---------------|-----------|-----------|--------------|-------|----------------|----------------|----------------|---------|
| HCVU1/4-1/4   | 1/4"      | 1/4"      | 5            | Yes   | 0.61" (15.5mm) | 1.79" (45.5mm) | 0.26oz (7.40g) | Natural |
| HCVU5/16-5/16 | 5/16"     | 5/16"     | 5            | Yes   | 0.69" (17.6mm) | 1.93" (48.6mm) | 0.35oz (10.0g) | Natural |
| HCVU3/8-3/8   | 3/8"      | 3/8"      | 5            | Yes   | 0.78" (20.0mm) | 2.27" (57.8mm) | 0.52oz (15.0g) | Natural |
| HCVU1/2-1/2   | 1/2"      | 1/2"      | 5            | Yes   | 0.92" (23.6mm) | 2.67" (67.9mm) | 0.75oz (21.5g) | Natural |

### Metric Tube Sizes

| Model    | Tube 1 OD | Tube 2 OD | Package Qty. | Stock | Diameter       | Length         | Weight         | Color |
|----------|-----------|-----------|--------------|-------|----------------|----------------|----------------|-------|
| HCVU0404 | 4mm       | 4mm       | 4            | No    | 0.51" (13.2mm) | 1.74" (44.4mm) | 0.19oz (5.50g) | Black |
| HCVU0606 | 6mm       | 6mm       | 5            | No    | 0.61" (15.5mm) | 1.79" (45.5mm) | 0.26oz (7.40g) | Black |
| HCVU0808 | 8mm       | 8mm       | 5            | No    | 0.69" (17.6mm) | 1.93" (48.6mm) | 0.35oz (10.0g) | Black |
| HCVU1010 | 10mm      | 10mm      | 3            | No    | 0.78" (20.0mm) | 2.27" (57.6mm) | 0.51oz (14.5g) | Black |
| HCVU1212 | 12mm      | 12mm      | 3            | No    | 0.92" (23.6mm) | 2.67" (67.5mm) | 0.77oz (22.1g) | Black |

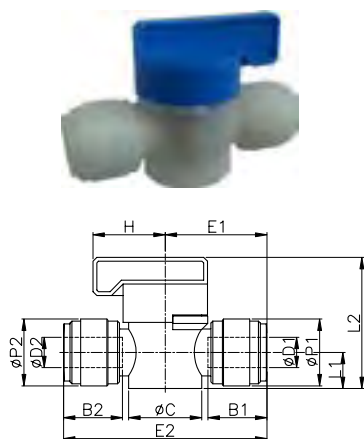


# Fluidfit™ Push-to-Connect Fittings

## Ball Valves

### Ball Valves - HBVU

Ball Valves allow users to close off fluids in a circuit. Each ball valve features opposing push-to-connect ports.



#### Fractional Tube Sizes

| Model         | Tube OD | Package Qty. | Stock | Width          | Length         | Weight         | Color   |
|---------------|---------|--------------|-------|----------------|----------------|----------------|---------|
| HBVU1/4-1/4   | 1/4"    | 3            | Yes   | 2.03" (51.7mm) | 1.35" (34.5mm) | 0.56oz (16.0g) | Natural |
| HBVU5/16-5/16 | 5/16"   | 3            | Yes   | 2.10" (53.5mm) | 1.35" (34.5mm) | 0.61oz (17.4g) | Natural |
| HBVU3/8-3/8   | 3/8"    | 2            | Yes   | 2.48" (63.2mm) | 1.66" (42.3mm) | 1.02oz (29.0g) | Natural |
| HBVU1/2-1/2   | 1/2"    | 2            | Yes   | 2.78" (70.8mm) | 1.66" (42.3mm) | 1.24oz (35.4g) | Natural |

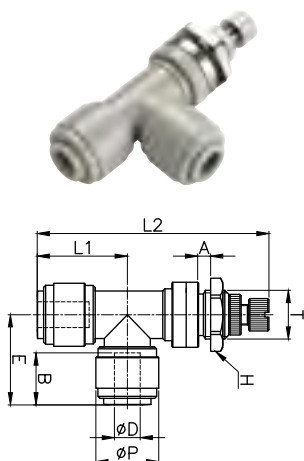
#### Metric Tube Sizes

| Model    | Tube OD | Package Qty. | Stock | Width          | Length         | Weight         | Color |
|----------|---------|--------------|-------|----------------|----------------|----------------|-------|
| HBVU0606 | 6mm     | 5            | No    | 2.03" (51.7mm) | 1.01" (25.9mm) | 0.56oz (16.0g) | Black |
| HBVU0808 | 8mm     | 5            | No    | 2.10" (53.5mm) | 1.05" (26.8mm) | 0.61oz (17.4g) | Black |
| HBVU1010 | 10mm    | 2            | No    | 2.48" (63.0mm) | 1.24" (31.5mm) | 1.02oz (29.0g) | Black |
| HBVU1212 | 12mm    | 2            | No    | 2.77" (70.4mm) | 1.38" (35.2mm) | 1.24oz (35.4g) | Black |

## Flow Control Valves

### Panel Mount Run Style Flow Control – HSLB

Panel Mount Run Style Flow Controls feature two push to connect ports arranged 90° apart. A panel mounting nut enables users to install within an enclosure.



#### Fractional Tube Sizes

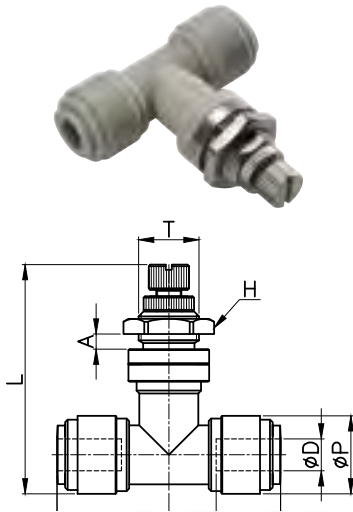
| Model       | Tube OD | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         | Color   |
|-------------|---------|--------------|-------|------|----------------|----------------|----------------|---------|
| HSLB1/4-1/4 | 1/4"    | 5            | No    | 16mm | 0.43" (11.0mm) | 2.24" (57.1mm) | 1.01oz (28.7g) | Natural |
| HSLB3/8-3/8 | 3/8"    | N/A          | No    | 19mm | 0.55" (14.0mm) | 2.66" (67.8mm) | 1.90oz (54.0g) | Natural |

#### Metric Tube Sizes

| Model    | Tube OD | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         | Color |
|----------|---------|--------------|-------|------|----------------|----------------|----------------|-------|
| HSLB0606 | 6mm     | 5            | No    | 16mm | 0.43" (11.0mm) | 2.24" (57.1mm) | 1.01oz (28.7g) | Black |
| HSLB1010 | 10mm    | N/A          | No    | 19mm | 0.55" (14.0mm) | 2.66" (67.7mm) | 1.90oz (54.0g) | Black |



# Fluidfit™ Push-to-Connect Fittings



## Panel Mount Branch Style Flow Control - HSTB

Panel Mount Branch Style Flow Controls feature two opposing push to connect ports. A panel mounting nut enables users to install within an enclosure.

### Fractional Tube Sizes

| Model       | Tube OD | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         | Color   |
|-------------|---------|--------------|-------|------|----------------|----------------|----------------|---------|
| HSTB1/4-1/4 | 1/4"    | 5            | No    | 16mm | 0.43" (11.0mm) | 1.98" (50.4mm) | 1.01oz (28.9g) | Natural |
| HSTB3/8-3/8 | 3/8"    | N/A          | No    | 19mm | 0.55" (14.0mm) | 2.29" (58.4mm) | 1.90oz (54.0g) | Natural |

### Metric Tube Sizes

| Model    | Tube OD | Package Qty. | Stock | Hex  | Panel Hole     | Length         | Weight         | Color |
|----------|---------|--------------|-------|------|----------------|----------------|----------------|-------|
| HSTB0606 | 6mm     | 5            | No    | 16mm | 0.43" (11.0mm) | 1.98" (50.4mm) | 1.01oz (28.9g) | Black |
| HSTB1010 | 10mm    | N/A          | No    | 19mm | 0.55" (14.0mm) | 2.29" (58.4mm) | 1.90oz (54.0g) | Black |



## Run Style Flow Control – HSLU

Panel Mount Run Style Flow Controls feature two opposing push to connect ports, enabling users to install within an enclosure.

### Fractional Tube Sizes

| Model       | Tube OD | Package Qty. | Stock | Hex  | Length         | Weight         | Color   |
|-------------|---------|--------------|-------|------|----------------|----------------|---------|
| HSLU1/4-1/4 | 1/4"    | 5            | No    | 16mm | 1.95" (49.6mm) | 0.71oz (20.3g) | Natural |
| HSLU3/8-3/8 | 3/8"    | N/A          | No    | 19mm | 2.32" (59.1mm) | 1.37oz (39.0g) | Natural |

### Metric Tube Sizes

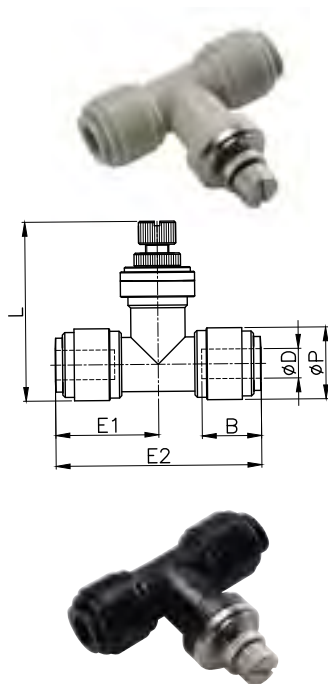
| Model    | Tube OD | Package Qty. | Stock | Hex  | Length         | Weight         | Color |
|----------|---------|--------------|-------|------|----------------|----------------|-------|
| HSLU0606 | 6mm     | 5            | No    | 16mm | 2.11" (53.6mm) | 0.71oz (20.3g) | Black |
| HSLU1010 | 10mm    | N/A          | No    | 19mm | 2.54" (64.7mm) | 1.37oz (39.0g) | Black |



# Fluidfit™ Push-to-Connect Fittings

## Branch Style Flow Control – HSTU

Branch Style Flow Controls feature two push to connect ports arranged 90° apart.



### Fractional Tube Sizes

| Model       | Tube OD | Package Qty. | Stock | Hex  | Length         | Weight         | Color   |
|-------------|---------|--------------|-------|------|----------------|----------------|---------|
| HSTU1/4-1/4 | 1/4"    | 5            | No    | 16mm | 1.48" (37.7mm) | 0.72oz (20.6g) | Natural |
| HSTU3/8-3/8 | 3/8"    | N/A          | No    | 19mm | 1.73" (44.0mm) | 1.38oz (39.4g) | Natural |

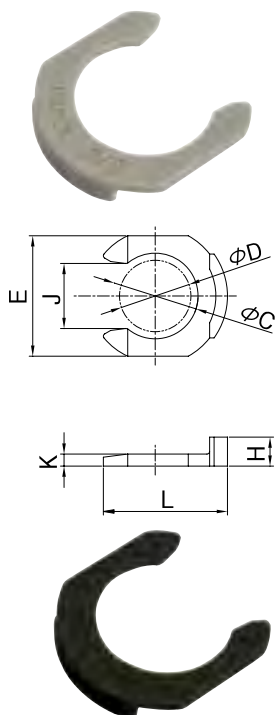
### Metric Tube Sizes

| Model    | Tube OD | Package Qty. | Stock | Hex  | Length         | Weight         | Color |
|----------|---------|--------------|-------|------|----------------|----------------|-------|
| HSTU0606 | 6mm     | 5            | No    | 16mm | 1.74" (44.4mm) | 0.72oz (20.6g) | Black |
| HSTU1010 | 10mm    | N/A          | No    | 19mm | 2.05" (52.1mm) | 1.38oz (39.4g) | Black |

## Locking Clips

### Locking Clips - HCP

Locking Clips allow users to secure the release ring of any push-to-connect fitting, providing a layer of security to prevent unwanted disconnection.



### Fractional Tube Sizes

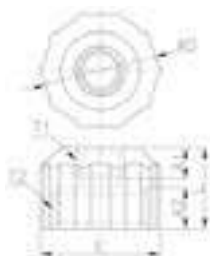
| Model   | Tube OD | Package Qty. | Stock | Width          | Length         | Weight          | Color   |
|---------|---------|--------------|-------|----------------|----------------|-----------------|---------|
| HCP5/32 | 5/32"   | 100          | Yes   | 0.40" (10.2mm) | 0.43" (11.0mm) | 0.003oz (0.09g) | Natural |
| HCP3/16 | 3/16"   | 100          | Yes   | 0.40" (10.2mm) | 0.43" (11.0mm) | 0.003oz (0.09g) | Natural |
| HCP1/4  | 1/4"    | 100          | Yes   | 0.45" (11.6mm) | 0.45" (11.6mm) | 0.004oz (0.12g) | Natural |
| HCP5/16 | 5/16"   | 100          | Yes   | 0.53" (13.5mm) | 0.54" (13.9mm) | 0.005oz (0.16g) | Natural |
| HCP3/8  | 3/8"    | 100          | Yes   | 0.62" (16.0mm) | 0.64" (16.4mm) | 0.008oz (0.23g) | Natural |
| HCP1/2  | 1/2"    | 100          | Yes   | 0.74" (19.0mm) | 0.74" (19.0mm) | 0.010oz (0.30g) | Natural |

### Metric Tube Sizes

| Model | Tube OD | Package Qty. | Stock | Width          | Length         | Weight          | Color |
|-------|---------|--------------|-------|----------------|----------------|-----------------|-------|
| HCP04 | 4mm     | 100          | No    | 0.40" (10.2mm) | 0.43" (11.0mm) | 0.003oz (0.09g) | Black |
| HCP06 | 6mm     | 100          | No    | 0.45" (11.6mm) | 0.45" (11.6mm) | 0.004oz (0.12g) | Black |
| HCP08 | 8mm     | 100          | No    | 0.53" (13.5mm) | 0.54" (13.9mm) | 0.005oz (0.16g) | Black |
| HCP10 | 10mm    | 100          | No    | 0.62" (16.0mm) | 0.64" (16.4mm) | 0.008oz (0.23g) | Black |
| HCP12 | 12mm    | 100          | No    | 0.74" (19.0mm) | 0.74" (19.0mm) | 0.010oz (0.30g) | Black |



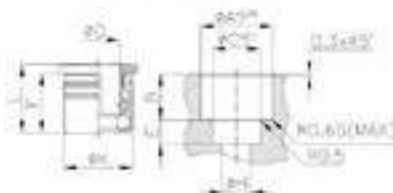
# Fluidfit™ Push-to-Connect Fittings



## BSPP Reducer Fitting – HUFF

BSPP Reducer Fittings provide a method of installing a smaller Male BSPP (G) Thread onto a larger Male BSPP (G) thread.

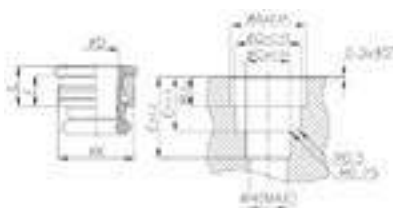
| Model        | Thread 1            | Thread 2            | Stock | Diameter       | Length         | Weight         | Color   |
|--------------|---------------------|---------------------|-------|----------------|----------------|----------------|---------|
| HUFF G02-G06 | 1/4 Female BSPP (G) | 3/4 Female BSPP (G) | No    | 1.24" (31.5mm) | 1.31" (33.5mm) | 0.55oz (15.6g) | Natural |
| HUFF G01-G06 | 3/8 Female BSPP (G) | 3/4 Female BSPP (G) | No    | 1.24" (31.5mm) | 1.31" (33.5mm) | 0.51oz (14.5g) | Natural |



## Press-Fit Cartridge Fitting – HCAS-F

Press-Fit Cartridge Fittings are a great way for manufacturers to integrate push-to-connect fittings into equipment without the need for addition drill and tap operations. Recommended for use with compressed gas only.

| Model    | Tube O.D. | Install Diameter | Cartridge Depth | Stock | Package Qty | Weight        |
|----------|-----------|------------------|-----------------|-------|-------------|---------------|
| HCAS-F04 | 4mm       | 10.0mm           | 12.0mm          | No    | 20          | 0.13oz (3.8g) |
| HCAS-F06 | 6mm       | 11.0mm           | 12.6mm          | No    | 20          | 0.11oz (3.2g) |
| HCAS-F08 | 8mm       | 13.0mm           | 13.2mm          | No    | 20          | 0.13oz (3.9g) |
| HCAS-F10 | 10mm      | 15.0mm           | 14.3mm          | No    | N/A         | 0.16oz (4.7g) |
| HCAS-F12 | 12mm      | 17.5mm           | 16.9mm          | No    | N/A         | 0.25oz (7.2g) |



## Press-Fit Cartridge Fitting with O-Ring – HCAS-H

Press-Fit Cartridge Fittings are a great way for manufacturers to integrate push-to-connect fittings into equipment without the need for addition drill and tap operations. These units are supplied with an O-Ring for sealing. Recommended for use with fluids.

| Model    | Tube O.D. | Install Diameter | Cartridge Depth | Stock | Package Qty | Weight        |
|----------|-----------|------------------|-----------------|-------|-------------|---------------|
| HCAS-H04 | 4mm       | 12.5mm           | 6.8mm           | No    | 20          | 0.14oz (4.2g) |
| HCAS-H06 | 6mm       | 13.4mm           | 6.6mm           | No    | 20          | 0.13oz (3.9g) |
| HCAS-H08 | 8mm       | 13.8mm           | 7.4mm           | No    | 10          | 0.12oz (3.5g) |
| HCAS-H10 | 10mm      | 16.0mm           | 8.8mm           | No    | 10          | 0.17oz (5.0g) |
| HCAS-H12 | 12mm      | 19.1mm           | 10.8mm          | No    | 10          | 0.31oz (9.0g) |

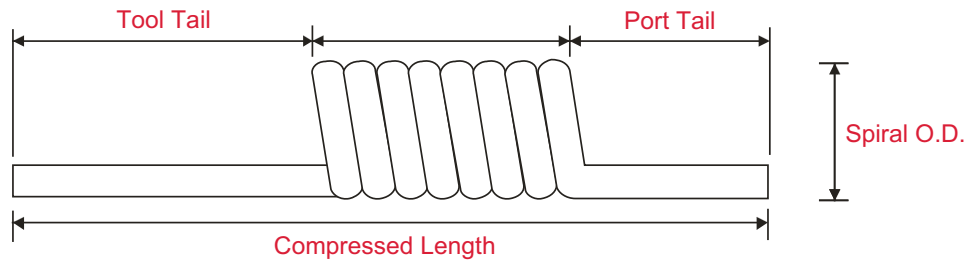


# Spiral Recoil Hose



# Spiral Recoil Hose

## Spiral Hose General Information



**Total Length:** Total Length of Tubing before Spiraling

**Working Length:** How Far the Spiral (Including Tails) will Stretch (Also known as Service Length)

**Tail Length:** Straight Lengths of Hose on the Ends of Spirals

**Spiral OD:** Outside Diameter of the Spiral Assembly

### Specifications by Series

| Series              | Working Pressure (at 68F) | Burst Pressure (at 68F) | Temperature Range         | Vacuum Rating | Hardness        | Tail 1 Length | Tail 2 Length | Safety Factor | Working Length vs Total | Material                     |
|---------------------|---------------------------|-------------------------|---------------------------|---------------|-----------------|---------------|---------------|---------------|-------------------------|------------------------------|
| Technithane™        | 140 psi (8 Bar)           | 420 psi (30 Bar)        | -68F (-55C) to 140F (60C) | 28" HG        | Shore 98A       | 20 in         | 4 in          | 3:1           | 80%                     | Polyurethane (PU)            |
| Strong™ Spiral      | 140 psi (8 Bar)           | 420 psi (30 Bar)        | -68F (-55C) to 140F (60C) | 28" HG        | Shore 98A       | 20 in         | 4 in          | 3:1           | 80%                     | Polyurethane (PU)            |
| Strong-Plus™ Sprial | 140 psi (8 Bar)           | 420 psi (30 Bar)        | -68F (-55C) to 140F (60C) | 28" HG        | Shore 98A + 60A | 60 in         | 4 in          | 3:1           | 60%                     | Polyurethane (PU)            |
| Armorthane™ Spiral  | 310 psi (21 Bar)          | 930 psi (63 Bar)        | -40F (-40C) to 120F (49C) | 28" HG        | Shore 98A + 85A | 20 in         | 4 in          | 3:1           | 80%                     | Reinforced Polyurethane (PU) |
| Nylon Spiral        | 200 psi (14,3 Bar)        | 800 psi (57 Bar)        | -60F (-52C) to 200F (93C) | 28" HG        | Shore 70D       | None          | None          | 4:1           | 80%                     | Nylon (PA)                   |

### Standard Colors by Series

| Series                                         | Black | Clear | Clear Blue | Green | Gray | Light Green | Light Blue | Navy Blue | Orange | Red | White | Yellow |
|------------------------------------------------|-------|-------|------------|-------|------|-------------|------------|-----------|--------|-----|-------|--------|
| Technithane™                                   | ✓     | ✓     | ✓          | ✓     | ✓    | ✓           | ✓          | ✓         | ✓      | ✓   | ✓     | ✓      |
| Strong™ Spiral                                 | ✓     | ✗     | ✗          | ✗     | ✗    | ✓           | ✗          | ✓         | ✓      | ✗   | ✗     | ✓      |
| Strong-Plus™ Sprial                            | ✗     | ✗     | ✗          | ✗     | ✗    | ✓           | ✗          | ✓         | ✓      | ✗   | ✗     | ✗      |
| Armorthane™ Spiral                             | ✗     | ✗     | ✓          | ✗     | ✗    | ✗           | ✗          | ✗         | ✗      | ✗   | ✗     | ✗      |
| Nylon Spiral                                   | ✗     | ✗     | ✗          | ✗     | ✗    | ✗           | ✗          | ✗         | ✗      | ✓   | ✗     | ✓      |
| Availability is Subject to Change, Contact ATP |       |       |            |       |      |             |            |           |        |     |       |        |



# Spiral Recoil Hose

## Technithane™ Polyurethane Spiral Hose



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

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

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

| 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 220) |

| 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 | G | GY | LB | LG | NB | OR | R | W | Y  |
| TT-316                              | •  | • | X  | • | X  | •  | X  | •  | X  | • | • | •  |
| TT-14                               | •  | • | ✓  | • | LQ | •  | X  | •  | X  | • | • | •  |
| TT-2164                             | •  | • | ✓  | • | LQ | LQ | LQ | •  | X  | • | • | LQ |
| TT-38                               | X  | • | ✓  | X | X  | X  | X  | •  | X  | • | X | •  |
| TT-1332                             | X  | X | X  | X | X  | X  | X  | X  | X  | X | X | X  |
| TT-12                               | X  | X | ✓  | X | X  | X  | X  | X  | X  | X | X | X  |
| TT-8                                | •  | • | X  | • | X  | •  | X  | •  | X  | • | • | •  |
| TT-10                               | •  | • | X  | • | X  | •  | X  | •  | X  | • | X | •  |
| TT-12                               | •  | • | X  | • | X  | •  | LQ | •  | X  | • | X | •  |
| TT-16                               | •  | • | X  | X | X  | •  | X  | X  | X  | X | X | X  |

✓: Spirals are Available •: Available Material – Some Lead-Time for Spiraling  
 LQ: Limited Quantities of Material - Contact ATP X: Not-Stocked (Minimum Runs Apply) - Contact ATP  
 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 LB 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 BK C<br>NB 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             |              | CB C                  |
| 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 C 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 Techniblue™ 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'             |

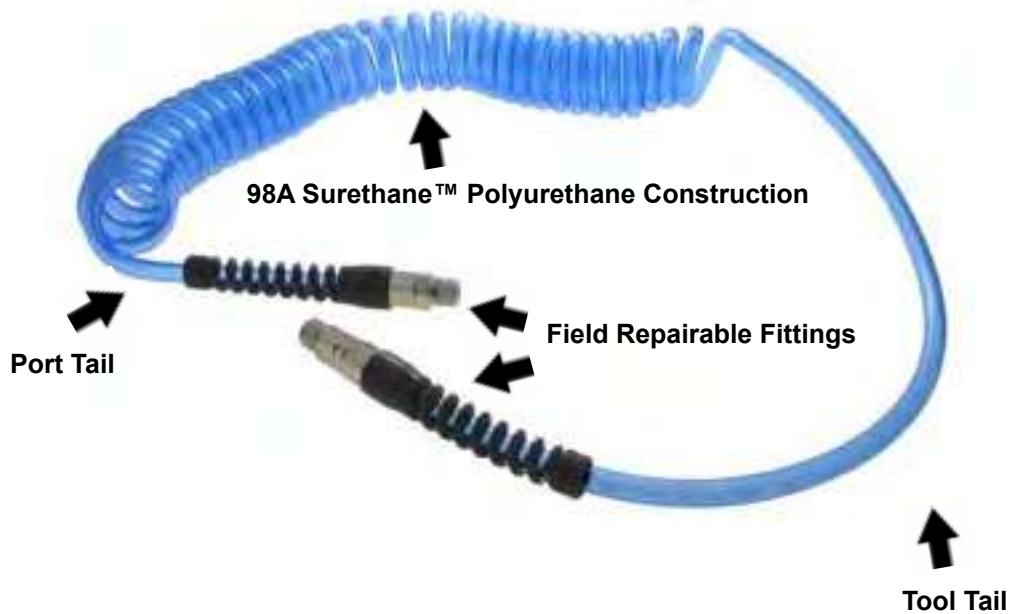
Note: The Auto Spiral Line was Merged with Technithane™



# 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                | 50mm                | 10mm                | 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                | 50mm                | 10mm                | 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                | 50mm                | 10mm                | 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                | 50mm                | 10mm                | 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 Length | Total Length | Available QD                                                                   | Body Size/ Interchange  | Compressed Length | Tool Tail Length | Port Tail Length | Total Turns | Spiral 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" 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)   | 226          |
| E                         | Economy Series (Manual) | 235          |
| DF                        | Safety-Slide™           | 238          |



Premium



Economy



Safety-Slide™

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



# Spiral Recoil Hose



## Reduced Diameter Spiral

Strong™ Spirals are manufactured with a proprietary process that allows a **reduced spiral diameter** and increased retraction strength. Additionally, the reduced spiral diameter prevents any possible tangles with other spirals. Strong™ Spirals are ideal for assembly-line applications where multiple spirals are in one work area.

- Lightweight and Abrasion-Resistant
- Excellent Coil Memory and Retraction Strength
- Virtually Kink-Proof
- Reusable Nickel-Plated Fittings with Bend-Restrictors
- Thread Sealant Supplied on all Fittings
- Low Moisture Absorption Rates

| 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 220) |

## ST - 14 - 10 - OR - RS

| Model |                | ID x OD (Nominal) |               | Total Length |       | Color |             | Fittings |                 |
|-------|----------------|-------------------|---------------|--------------|-------|-------|-------------|----------|-----------------|
| ST    | Strong™ Spiral | 316               | 3/16" x 5/16" | 10           | 10 ft | BK    | Black       | RS       | Rigid & Swivel  |
|       |                | 14                | 1/4" x 3/8"   | 15           | 15 ft | OR    | Orange      | RR       | Rigid & Rigid   |
|       |                | 2164              | 21/64" x 1/2" | 20           | 20 ft | Y     | Yellow      | SS       | Swivel & Swivel |
|       |                | 1332              | 13/32" x 5/8" | 25           | 25 ft | LG    | Light Green |          |                 |
|       |                | 8                 | 5mm x 8mm     | 2            | 2m    | NB    | Navy Blue   |          |                 |
|       |                | 10                | 6.5mm x 10mm  | 4            | 4m    |       |             |          |                 |
|       |                | 12                | 8mm x 12mm    | 6            | 6m    |       |             |          |                 |
|       |                | 16                | 11mm x 16mm   | 8            | 8m    |       |             |          |                 |



### Material Availability by Color Code

| Model   | BK | LG | NB | OR | Y |
|---------|----|----|----|----|---|
| ST-316  | X  | X  | X  | X  | ✓ |
| ST-14   | X  | X  | X  | X  | X |
| ST-2164 | X  | X  | LQ | X  | X |
| ST-38   | X  | X  | X  | X  | X |
| ST-1332 | X  | ✓  | ✓  | X  | X |
| ST-8    | ✓  | X  | X  | X  | X |
| ST-10   | X  | X  | X  | X  | X |
| ST-12   | X  | X  | X  | X  | X |
| ST-16   | X  | X  | X  | X  | X |

✓: Stocked Material  
 X: Not-Stocked (Minimum Runs Apply)  
 LQ: Limited quantities  
 Availability is Subject to Change,  
 Contact ATP



# Spiral Recoil Hose



## Strong™ Spiral Fractional (NPT Fittings) & Metric Sizes (BSPT Fittings)

| 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 | Available<br>Colors | Package<br>Weight |
|-----------------------------------------|--------------------|-------------------|-------------------|-----------------|-----------------------|----------------------|---------------------|---------------------|----------------|--------------|---------------------|-------------------|
| ST-316-10-__                            | 0.1875"<br>(3/16") | 0.312"<br>(5/16") | 8'                | 10'             | 1/4" Male<br>NPT      | 40.0"                | 20"                 | 4"                  | 46             | 1.26"        |                     | 0.48 lb           |
| ST-316-15-__                            |                    |                   | 12'               | 15'             |                       | 51.0"                |                     |                     | 77             |              |                     | 0.80 lb           |
| ST-316-20-__                            |                    |                   | 16'               | 20'             |                       | 59.5"                |                     |                     | 107            |              |                     | 1.13 lb           |
| ST-316-25-__                            |                    |                   | 20'               | 25'             |                       | 72"                  |                     |                     | 138            |              |                     | 1.44 lb           |
| ST-14-10-__                             | 0.250"<br>(1/4")   | 0.375"<br>(3/8")  | 8'                | 10'             | 1/4" Male<br>NPT      | 40.0"                | 20"                 | 4"                  | 38             | 1.62"        | Non-Stock           | 0.61 lb           |
| ST-14-15-__                             |                    |                   | 12'               | 15'             |                       | 50.0"                |                     |                     | 64             |              |                     | 0.64 lb           |
| ST-14-20-__                             |                    |                   | 16'               | 20'             |                       | 61.0"                |                     |                     | 90             |              |                     | 0.88 lb           |
| ST-14-25-__                             |                    |                   | 20'               | 25'             |                       | 71.0"                |                     |                     | 115            |              |                     | 1.13 lb           |
| ST-2164-10-__                           | 0.328"<br>(21/64") | 0.500"<br>(1/2")  | 8'                | 10'             | 3/8" Male<br>NPT      | 40.5"                | 20"                 | 4"                  | 29             | 2.13"        |                     | 0.82 lb           |
| ST-2164-15-__                           |                    |                   | 12'               | 15'             |                       | 51.0"                |                     |                     | 48             |              |                     | 1.50 lb           |
| ST-2164-20-__                           |                    |                   | 16'               | 20'             |                       | 62.0"                |                     |                     | 67             |              |                     | 2.22 lb           |
| ST-2164-25-__                           |                    |                   | 20'               | 25'             |                       | 73.0"                |                     |                     | 86             |              |                     | 2.89 lb           |
| ST-1332-10-__                           | 0.406"<br>(13/32") | 0.625"<br>(5/8")  | 8'                | 10'             | 1/2" Male<br>NPT      | 38.0"                | 20"                 | 4"                  | 23             | 3.25"        |                     | 1.52 lb           |
| ST-1332-15-__                           |                    |                   | 12'               | 15'             |                       | 47.0"                |                     |                     | 38             |              |                     | 2.50 lb           |
| ST-1332-20-__                           |                    |                   | 16'               | 20'             |                       | 57.0"                |                     |                     | 54             |              |                     | 3.56 lb           |
| ST-1332-25-__                           |                    |                   | 20'               | 25'             |                       | 65.0"                |                     |                     | 69             |              |                     | 4.50 lb           |
| ST-8-2-__                               | 5mm                | 8mm               | 1.40m             | 2m              | 1/4" Male<br>BSPT (R) | 76cm                 | 50cm                | 10cm                | 20             | 32mm         |                     | 0.25 lb           |
| ST-8-4-__                               |                    |                   | 2.50m             | 4m              |                       | 99cm                 |                     |                     | 49             |              |                     | 0.51 lb           |
| ST-8-6-__                               |                    |                   | 3.85m             | 6m              |                       | 125cm                |                     |                     | 81             |              |                     | 0.84 lb           |
| ST-8-8-__                               |                    |                   | 5.15m             | 8m              |                       | 151cm                |                     |                     | 114            |              |                     | 1.19 lb           |
| ST-10-4-__                              | 6.5mm              | 10mm              | 2.35m             | 4m              | 1/4" Male<br>BSPT (R) | 95cm                 | 50cm                | 10cm                | 35             | 42mm         | Non-Stock           | 0.50 lb           |
| ST-10-6-__                              |                    |                   | 3.35m             | 6m              |                       | 115cm                |                     |                     | 55             |              |                     | 0.77 lb           |
| ST-10-8-__                              |                    |                   | 4.45m             | 8m              |                       | 139cm                |                     |                     | 79             |              |                     | 1.10 lb           |
| ST-12-4-__                              | 8mm                | 12mm              | 2.40m             | 4m              | 3/8" Male<br>BSPT (R) | 95cm                 | 50cm                | 10cm                | 30             | 55mm         | Non-Stock           | 1.00 lb           |
| ST-12-6-__                              |                    |                   | 3.30m             | 6m              |                       | 114cm                |                     |                     | 45             |              |                     | 1.50 lb           |
| ST-12-8-__                              |                    |                   | 4.45m             | 8m              |                       | 137cm                |                     |                     | 64             |              |                     | 2.22 lb           |
| ST-16-4-__                              | 11mm               | 16mm              | 2.10m             | 4m              | 1/2" Male<br>BSPT (R) | 90cm                 | 50cm                | 10cm                | 19             | 83mm         | Non-Stock           | 0.94 lb           |
| ST-16-6-__                              |                    |                   | 2.80m             | 6m              |                       | 104cm                |                     |                     | 28             |              |                     | 1.38 lb           |
| ST-16-8-__                              |                    |                   | 3.60m             | 8m              |                       | 120cm                |                     |                     | 38             |              |                     | 1.63 lb           |



# Spiral Recoil Hose



## Nylon Spiral

Nylon Spirals are a great choice for industrial environments due to their excellent coil memory and chemical resistance. Nylon is the standard for applications that require increased working pressure and abrasion-resistance, such as machining centers.

- Excellent Abrasion-Resistance
- Economical
- Low Moisture-Absorption Rate
- High Retraction-Strength
- Equipped with Swivel Fittings
- Reusable Nickel-Plated Fittings with Bend Restrictors
- Thread Sealant Supplied on all Fittings
- Available in Assemblies or Bulk

| Specifications           |                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------|
| Material                 | Nylon 12 (Polyamide 12)                                                                                   |
| Hardness                 | Shore 70D                                                                                                 |
| Temperature Range        | -60°F to 200°F<br>(-51°C to 93°C)                                                                         |
| Working Pressure at 68°F | 200 psi (13,7 Bar)<br>1/4" - 250 PSI (17,7 Bar)<br>3/8" - 240 PSI (16,5 Bar)<br>1/2" - 210 PSI (14,5 Bar) |
| Vacuum Rating            | 28" HG                                                                                                    |
| Safety Factor            | 4:1                                                                                                       |
| Tariff Code              | 3917.33.0000                                                                                              |

## NS - 14 - 12 - Y

| Model |              | Inside Diameter |      | Total Length |         | Color |        |
|-------|--------------|-----------------|------|--------------|---------|-------|--------|
| NS    | Nylon Spiral | 14              | 1/4" | 12           | 12.5 ft | Y     | Yellow |
|       |              | 38              | 3/8" | 25           | 25 ft   | R     | Red    |
|       |              | 12              | 1/2" | 50           | 50 ft   |       |        |

| Fitting Compatibility                              |
|----------------------------------------------------|
| N-Style Compression Replacement Fitting (Page 221) |

## Nylon Spiral Fractional Sizes

| Model<br>(choose color) | ID               | OD                | Working<br>Length | Total<br>Length | Thread        | Compressed<br>Length | Total<br>Turns | Spiral<br>OD | Package<br>Weight |
|-------------------------|------------------|-------------------|-------------------|-----------------|---------------|----------------------|----------------|--------------|-------------------|
| NS-14-12-__             | 0.250"<br>(1/4") | 0.312"<br>(5/16") | 10'               | 12.5'           | 1/4" Male NPT | 4.7"                 | 15             | 3.63"        | 0.37 lb           |
| NS-14-25-__             |                  |                   | 20'               | 25'             |               | 9.5"                 | 29             |              | 0.57 lb           |
| NS-14-50-__             |                  |                   | 40'               | 50'             |               | 19.0"                | 58             |              | 0.94 lb           |
| NS-14-50-__-BULK        |                  |                   | 40'               | 50'             | No Fittings   | 19.0"                | 58             |              | 0.94 lb           |
| NS-38-12-__02           | 0.375"<br>(3/8") | 0.500"<br>(1/2")  | 10'               | 12.5'           | 1/4" Male NPT | 4.5"                 | 9              | 6.00"        | 0.61 lb           |
| NS-38-25-__02           |                  |                   | 20'               | 25'             |               | 9.0"                 | 18             |              | 0.93 lb           |
| NS-38-50-__02           |                  |                   | 40'               | 50'             |               | 18.0"                | 35             |              | 1.61 lb           |
| NS-38-12-__03           |                  |                   | 10'               | 12.5'           | 3/8" Male NPT | 4.5"                 | 9              |              | 0.61 lb           |
| NS-38-25-__03           |                  |                   | 20'               | 25'             |               | 9.0"                 | 18             |              | 0.93 lb           |
| NS-38-50-__03           |                  |                   | 40'               | 50'             |               | 18.0"                | 35             |              | 1.61 lb           |
| NS-38-50-__-BULK        |                  |                   | 40'               | 50'             | No Fittings   | 18.0"                | 35             |              | 1.61 lb           |
| NS-12-12-__             | 0.500"<br>(1/2") | 0.625"<br>(5/8")  | 10'               | 12.5'           | 1/2" Male NPT | 6.0"                 | 6              | 7.00"        | 1.19 lb           |
| NS-12-25-__             |                  |                   | 20'               | 25'             |               | 10.5"                | 13             |              | 1.88 lb           |
| NS-12-50-__             |                  |                   | 40'               | 50'             |               | 19.5"                | 27             |              | 3.08 lb           |
| NS-12-50-__-BULK        |                  |                   | 40'               | 50'             | No Fittings   | 19.5"                | 27             |              | 3.08 lb           |



# Spiral Recoil Hose

**STRONG-PLUS™**



## Dual Durometer Spiral

Strong-Plus™ Spirals are manufactured with a proprietary process that allows a reduced spiral diameter and increased retraction strength. Strong-Plus™ Spirals feature a soft, **60A 5ft Long Polyurethane Tail**, the Strong-Plus™ Spiral is ideal for fixed workspaces or assembly-line applications. The increased comfort and convenience offered by the tail combines the best traits of a straight hose and a spiral.

- Ideal for Painting and Finishing Applications
- 60A PU Ultra-Flexible Tail with a 98A Spiral
- Soft Tail Prevents Unintended Spiral Contact with Delicate Surfaces
- Excellent Coil Memory and Retraction Strength
- Virtually Kink-Proof
- Reusable Nickel-Plated Fittings with Bend-Restrictors
- Thread Sealant Supplied on All Fittings
- Excellent Option for Confined Work Areas



## SP - 14 - 10 - OR - RS

| Model |                     | ID x OD (Nominal) |               | Total Length |       | Color |             | Fittings |                 |
|-------|---------------------|-------------------|---------------|--------------|-------|-------|-------------|----------|-----------------|
| SP    | Strong-Plus™ Spiral | 316               | 3/16" x 5/16" | 10           | 10 ft | OR    | Orange      | RS       | Rigid & Swivel  |
|       |                     | 14                | 1/4" x 3/8"   | 15           | 15 ft | LG    | Light Green | RR       | Rigid & Rigid   |
|       |                     | 2164              | 21/64" x 1/2" | 20           | 20 ft | NB    | Navy Blue   | SS       | Swivel & Swivel |
|       |                     | 1332              | 13/32" x 5/8" | 25           | 25 ft |       |             |          |                 |
|       |                     | 8                 | 5mm x 8mm     | 2            | 2m    |       |             |          |                 |
|       |                     | 10                | 6.5mm x 10mm  | 4            | 4m    |       |             |          |                 |
|       |                     | 12                | 8mm x 12mm    | 6            | 6m    |       |             |          |                 |
|       |                     | 16                | 11mm x 16mm   | 8            | 8m    |       |             |          |                 |
|       |                     |                   |               |              |       |       |             |          |                 |
|       |                     |                   |               |              |       |       |             |          |                 |

| Specifications           |                                   |
|--------------------------|-----------------------------------|
| Material                 | Polyurethane (Ether-Based)        |
| Hardness                 | Shore 98A / 60A                   |
| Temperature Range        | -68°F to 140°F<br>(-55°C to 60°C) |
| Working Pressure at 68°F | 120 psi (8,2 Bar)                 |
| Vacuum Rating            | 28" HG                            |
| Safety Factor            | 3:1                               |
| Tariff Code              | 3917.33.0000                      |

| Fitting Compatibility                                        |  |
|--------------------------------------------------------------|--|
| H & SH-Style Compression Replacement Fitting (Page 220, 221) |  |

| Material Availability by Color Code |    |    |    |
|-------------------------------------|----|----|----|
| Model                               | LG | NB | OR |
| SP-14                               | X  | X  | X  |
| SP-2164                             | X  | LQ | X  |
| SP-1332                             | ✓  | ✓  | X  |
| SP-10                               | X  | X  | X  |
| SP-12                               | X  | X  | X  |

✓: Stocked Material  
 X: Not-Stocked (Minimum Runs Apply)  
 LQ: Limited quantities  
 Availability is Subject to Change,  
 Contact ATP

Note: Not all sizes available in all colors.  
Please check for availability.





## Strong-Plus™ Spiral Fractional (NPT Threads) & Metric Sizes (BSPT Threads)

| Model<br>(select color & fitting style) | ID                 | OD               | Working<br>Length | Thread                | Compressed<br>Length | Tool Tail<br>Length | Port Tail<br>Length | Total<br>Turns | Spiral OD | Available<br>Colors | Package<br>Weight |
|-----------------------------------------|--------------------|------------------|-------------------|-----------------------|----------------------|---------------------|---------------------|----------------|-----------|---------------------|-------------------|
| SP-14-10-_-_-                           | 0.250"<br>(1/4")   | 0.375"<br>(3/8") | 8'                | 1/4" Male<br>NPT      | 74.0"                | 64"                 | 4"                  | 15             | 1.62"     | Non-Stock           | 0.69 lb           |
| SP-14-15-_-_-                           |                    |                  | 12'               |                       | 83.5"                |                     |                     | 41             |           |                     | 0.90 lb           |
| SP-14-20-_-_-                           |                    |                  | 16'               |                       | 93.0"                |                     |                     | 66             |           |                     | 1.13 lb           |
| SP-14-25-_-_-                           |                    |                  | 20'               |                       | 103.0"               |                     |                     | 92             |           |                     | 1.32 lb           |
| SP-2164-10-_-_-                         | 0.328"<br>(21/64") | 0.500"<br>(1/2") | 8'                | 3/8" Male<br>NPT      | 74.0"                | 64"                 | 4"                  | 11             | 2.13"     | NB                  | 1.11 lb           |
| SP-2164-15-_-_-                         |                    |                  | 12'               |                       | 83.0"                |                     |                     | 30             |           |                     | 1.27 lb           |
| SP-2164-20-_-_-                         |                    |                  | 16'               |                       | 93.0"                |                     |                     | 50             |           |                     | 1.71 lb           |
| SP-2164-25-_-_-                         |                    |                  | 20'               |                       | 102.5"               |                     |                     | 69             |           |                     | 2.14 lb           |
| SP-1332-10-_-_-                         | 0.406"<br>(13/32") | 0.625"<br>(5/8") | 8'                | 1/2" Male<br>NPT      | 74.0"                | 64"                 | 4"                  | 9              | 3.25"     | LG NB               | 1.75 lb           |
| SP-1332-15-_-_-                         |                    |                  | 12'               |                       | 83.0"                |                     |                     | 24             |           |                     | 1.99 lb           |
| SP-1332-20-_-_-                         |                    |                  | 16'               |                       | 93.0"                |                     |                     | 40             |           |                     | 2.23 lb           |
| SP-1332-25-_-_-                         |                    |                  | 20'               |                       | 102.5"               |                     |                     | 55             |           |                     | 2.46 lb           |
| SP-10-2-_-_-                            | 6.5mm              | 10mm             | 2.2m              | 1/4" Male<br>BSPT (R) | 140cm                | 160cm               | 10cm                | 20             | 40mm      | Non-Stock           | 0.75 lb           |
| SP-10-4-_-_-                            |                    |                  | 3.2m              |                       | 160cm                |                     |                     | 40             |           |                     | 0.90 lb           |
| SP-10-6-_-_-                            |                    |                  | 4.2m              |                       | 180cm                |                     |                     | 60             |           |                     | 1.00 lb           |
| SP-10-8-_-_-                            |                    |                  | 5.2m              |                       | 200cm                |                     |                     | 80             |           |                     | 1.19 lb           |
| SP-12-2-_-_-                            | 8mm                | 12mm             | 2.4m              | 3/8" Male<br>BSPT (R) | 144cm                | 160cm               | 10cm                | 20             | 50mm      | Non-Stock           | 2.00 lb           |
| SP-12-4-_-_-                            |                    |                  | 3.6m              |                       | 168cm                |                     |                     | 40             |           |                     | 3.00 lb           |
| SP-12-6-_-_-                            |                    |                  | 4.8m              |                       | 192cm                |                     |                     | 60             |           |                     | 3.38 lb           |
| SP-12-8-_-_-                            |                    |                  | 6.0m              |                       | 216cm                |                     |                     | 80             |           |                     | 4.50 lb           |



# 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 220) |

## 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)   | 226          |
| E                         | Economy Series (Manual) | 235          |
| DF                        | Safety-Slide™           | 238          |



Premium



Economy



Safety-Slide™

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



# Spiral Recoil Hose

## Single Tube NSF 51® Polyurethane Spirals

**TechniSpiral™**



ATP's Polyurethane TechniSpiral™ is constructed of NSF 51® Certified Surethane™ Tubing. Constructed of ether-based resin, Polyurethane TechniSpirals resist hydrolysis brought on by humidity and contact with moisture.

- Resists Kinking
- Excellent Coil Memory
- Wide Variety of Sizes and Colors

### 1 PS - 532 - 05 - BK

| 1 | TechniSpiral™ | Material |        | Tubing OD |            | Number of Turns |    | Color |             |
|---|---------------|----------|--------|-----------|------------|-----------------|----|-------|-------------|
|   |               | PS       | 98A PU | 04M/532   | 4mm/ 5/32" | 05              | 5  | BK    | Black       |
|   |               |          |        | 14        | 1/4"       | 10              | 10 | C     | Clear       |
|   |               |          |        | 38        | 3/8"       | 15              | 15 | CB    | Clear Blue  |
|   |               |          |        | 12        | 1/2"       | 20              | 20 | CG    | Clear Green |
|   |               |          |        | 06M       | 6mm        | 30              | 30 | CR    | Clear Red   |
|   |               |          |        | 08M/516   | 8mm/5/16"  | 40              | 40 | G     | Green       |
|   |               |          |        | 10M       | 10mm       |                 |    | GY    | Gray        |
|   |               |          |        | 12M       | 12mm       |                 |    | LB    | Light Blue  |
|   |               |          |        |           |            |                 |    | LG    | Light Green |
|   |               |          |        |           |            |                 |    | NB    | Navy Blue   |
|   |               |          |        |           |            |                 |    | OR    | Orange      |
|   |               |          |        |           |            |                 |    | R     | Red         |
|   |               |          |        |           |            |                 |    | W     | White       |
|   |               |          |        |           |            |                 |    | Y     | Yellow      |

| Specifications           |                   |
|--------------------------|-------------------|
| Temperature Range        | -40°F to 160°F*   |
| Vacuum Rating            | 28" HG            |
| Tolerance (1/8" to 1/2") | +/- .005"         |
| 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             |  |
| NSF 51® Certified          |  |
| Meets NSF 61® Requirements |  |

| Fitting Compatibility                      |  |
|--------------------------------------------|--|
| Technifit™ Push to Connect (Page 52 - 173) |  |
| Compression                                |  |
| Hose-Barb (Page 251)                       |  |

| Material Availability by Color Code |    |   |    |    |    |    |    |    |    |    |    |   |   |    |  |
|-------------------------------------|----|---|----|----|----|----|----|----|----|----|----|---|---|----|--|
| Model                               | BK | C | CB | CG | CR | G  | GY | LB | LG | NB | OR | R | W | Y  |  |
| 1PS-04M/532                         | ✓  | ✓ | ✓  | X  | X  | ✓  | X  | ✓  | X  | ✓  | X  | ✓ | X | ✓  |  |
| 1PS-14                              | ✓  | ✓ | ✓  | X  | X  | ✓  | ✓  | ✓  | X  | ✓  | X  | ✓ | ✓ | ✓  |  |
| 1PS-08M/516                         | ✓  | ✓ | ✓  | X  | X  | ✓  | X  | ✓  | X  | ✓  | X  | ✓ | ✓ | ✓  |  |
| 1PS-38                              | ✓  | ✓ | ✓  | X  | ✓  | ✓  | LQ | ✓  | X  | ✓  | X  | ✓ | ✓ | ✓  |  |
| 1PS-12                              | ✓  | ✓ | ✓  | X  | X  | LQ | LQ | LQ | LQ | ✓  | X  | ✓ | ✓ | LQ |  |
| 1PS-06M                             | ✓  | ✓ | ✓  | X  | X  | ✓  | X  | ✓  | X  | ✓  | X  | ✓ | X | ✓  |  |
| 1PS-10M                             | ✓  | ✓ | ✓  | X  | X  | ✓  | X  | ✓  | X  | ✓  | X  | ✓ | X | ✓  |  |
| 1PS-12M                             | ✓  | ✓ | ✓  | X  | X  | ✓  | X  | ✓  | X  | ✓  | X  | ✓ | X | ✓  |  |

✓: Available Material – Ready to Spiral X: Not-Stocked (Minimum Runs Apply) – Contact ATP

LQ = Limited Material Quantities, Contact ATP

Availability is Subject to Change, Contact ATP

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



# Spiral Recoil Hose

## Fractional Sizes

| Model<br>(choose color) | O.D.              | I.D.              | Total<br>Turns | Working<br>Length | Retracted<br>Length | Tail<br>Length | Working<br>Pressure<br>at 75°F | Spiral<br>O.D. | Package<br>Weight |
|-------------------------|-------------------|-------------------|----------------|-------------------|---------------------|----------------|--------------------------------|----------------|-------------------|
| 1PS-04M/532-05-__       | 0.156"<br>(5/32") | 0.093"            | 5              | 1.20'             | 8.75"               | 4" & 4"        | 200 psi                        | 0.875"         | 0.01 lb           |
| 1PS-04M/532-10-__       |                   |                   | 10             | 2.00'             | 9.50"               |                |                                |                | 0.02 lb           |
| 1PS-04M/532-15-__       |                   |                   | 15             | 2.70'             | 10.25"              |                |                                |                | 0.03 lb           |
| 1PS-04M/532-20-__       |                   |                   | 20             | 3.50'             | 11.10"              |                |                                |                | 0.33 lb           |
| 1PS-04M/532-30-__       |                   |                   | 30             | 5.40'             | 12.87"              |                |                                |                | 0.40 lb           |
| 1PS-04M/532-40-__       |                   |                   | 40             | 6.50'             | 14.31"              |                |                                |                | 0.50 lb           |
| 1PS-14-05-__            | 0.250"<br>(1/4")  | 0.156"<br>(5/32") | 5              | 1.70'             | 9.25"               | 4" & 4"        | 180 psi                        | 1.500"         | 0.03 lb           |
| 1PS-14-10-__            |                   |                   | 10             | 2.90'             | 10.50"              |                |                                |                | 0.06 lb           |
| 1PS-14-15-__            |                   |                   | 15             | 4.00'             | 11.75"              |                |                                |                | 0.08 lb           |
| 1PS-14-20-__            |                   |                   | 20             | 5.30'             | 13.00"              |                |                                |                | 0.12 lb           |
| 1PS-14-30-__            |                   |                   | 30             | 7.60'             | 15.50"              |                |                                |                | 0.16 lb           |
| 1PS-14-40-__            |                   |                   | 40             | 10.00'            | 18.00"              |                |                                |                | 0.22 lb           |
| 1PS-08M/516-05-__       | 0.313"<br>(5/16") | 0.187"<br>(3/16") | 5              | 1.74'             | 9.50"               | 4" & 4"        | 175 psi                        | 1.610"         | 0.06 lb           |
| 1PS-08M/516-10-__       |                   |                   | 10             | 2.99'             | 11.00"              |                |                                |                | 0.10 lb           |
| 1PS-08M/516-15-__       |                   |                   | 15             | 4.27'             | 12.62"              |                |                                |                | 0.20 lb           |
| 1PS-08M/516-20-__       |                   |                   | 20             | 5.51"             | 14.25"              |                |                                |                | 0.20 lb           |
| 1PS-08M/516-30-__       |                   |                   | 30             | 7.97'             | 17.37"              |                |                                |                | 0.33 lb           |
| 1PS-08M/516-40-__       |                   |                   | 40             | 10.50'            | 20.50"              |                |                                |                | 0.44 lb           |
| 1PS-38-05-__            | 0.375"<br>(3/8")  | 0.250"<br>(1/4")  | 5              | 2.00'             | 9.87"               | 4" & 4"        | 150 psi                        | 2.000"         | 0.09 lb           |
| 1PS-38-10-__            |                   |                   | 10             | 3.60'             | 11.75"              |                |                                |                | 0.16 lb           |
| 1PS-38-15-__            |                   |                   | 15             | 5.20'             | 16.62"              |                |                                |                | 0.23 lb           |
| 1PS-38-20-__            |                   |                   | 20             | 6.70'             | 15.50"              |                |                                |                | 0.29 lb           |
| 1PS-38-30-__            |                   |                   | 30             | 9.80'             | 19.25"              |                |                                |                | 0.41 lb           |
| 1PS-38-40-__            |                   |                   | 40             | 12.90'            | 23.00"              |                |                                |                | 0.60 lb           |
| 1PS-12-05-__            | 0.500"<br>(1/2")  | 0.325"            | 5              | 2.60'             | 10.50"              | 4" & 4"        | 150 psi                        | 2.625"         | 0.22 lb           |
| 1PS-12-10-__            |                   |                   | 10             | 4.70'             | 13.00"              |                |                                |                | 0.40 lb           |
| 1PS-12-15-__            |                   |                   | 15             | 6.70'             | 15.50"              |                |                                |                | 0.60 lb           |
| 1PS-12-20-__            |                   |                   | 20             | 8.70'             | 18.00"              |                |                                |                | 0.80 lb           |
| 1PS-12-30-__            |                   |                   | 30             | 12.90'            | 23.00"              |                |                                |                | 1.08 lb           |
| 1PS-12-40-__            |                   |                   | 40             | 17.00'            | 28.00"              |                |                                |                | 1.60 lb           |



# Spiral Recoil Hose

## Metric Sizes

| Model<br>(choose color) | O.D. | I.D.  | Total<br>Turns | Working<br>Length | Retracted<br>Length | Tail<br>Length      | Working<br>Pressure<br>at 75°F | Spiral<br>O.D. | Package<br>Weight |
|-------------------------|------|-------|----------------|-------------------|---------------------|---------------------|--------------------------------|----------------|-------------------|
| 1PS-04M/532-05-__       | 4mm  | 2.4mm | 5              | 37cm              | 22cm                | 100mm<br>&<br>100mm | 200 psi<br>(13.7 Bar)          | 24mm           | 0.01 lb           |
| 1PS-04M/532-10-__       |      |       | 10             | 60cm              | 24cm                |                     |                                |                | 0.02 lb           |
| 1PS-04M/532-15-__       |      |       | 15             | 82cm              | 26cm                |                     |                                |                | 0.02 lb           |
| 1PS-04M/532-20-__       |      |       | 20             | 105cm             | 28cm                |                     |                                |                | 0.03 lb           |
| 1PS-04M/532-30-__       |      |       | 30             | 151cm             | 32cm                |                     |                                |                | 0.04 lb           |
| 1PS-04M/532-40-__       |      |       | 40             | 197cm             | 36cm                |                     |                                |                | 0.06 lb           |
| 1PS-06M-05-__           | 6mm  | 4mm   | 5              | 51cm              | 23cm                | 100mm<br>&<br>100mm | 180 psi<br>(12.4 Bar)          | 37mm           | 0.03 lb           |
| 1PS-06M-10-__           |      |       | 10             | 86cm              | 26cm                |                     |                                |                | 0.05 lb           |
| 1PS-06M-15-__           |      |       | 15             | 123cm             | 29cm                |                     |                                |                | 0.08 lb           |
| 1PS-06M-20-__           |      |       | 20             | 160cm             | 32cm                |                     |                                |                | 0.10 lb           |
| 1PS-06M-30-__           |      |       | 30             | 230cm             | 38cm                |                     |                                |                | 0.12 lb           |
| 1PS-06M-40-__           |      |       | 40             | 302cm             | 44cm                |                     |                                |                | 0.30 lb           |
| 1PS-08M/516-05-__       | 8mm  | 4.7mm | 5              | 53cm              | 24cm                | 100mm<br>&<br>100mm | 175 psi<br>(12 Bar)            | 41mm           | 0.06 lb           |
| 1PS-08M/516-10-__       |      |       | 10             | 91cm              | 28cm                |                     |                                |                | 0.10 lb           |
| 1PS-08M/516-15-__       |      |       | 15             | 130cm             | 32cm                |                     |                                |                | 0.20 lb           |
| 1PS-08M/516-20-__       |      |       | 20             | 168cm             | 36cm                |                     |                                |                | 0.20 lb           |
| 1PS-08M/516-30-__       |      |       | 30             | 243cm             | 44cm                |                     |                                |                | 0.30 lb           |
| 1PS-08M/516-40-__       |      |       | 40             | 320cm             | 52cm                |                     |                                |                | 0.40 lb           |
| 1PS-10M-05-__           | 10mm | 6.5mm | 5              | 62cm              | 25cm                | 100mm<br>&<br>100mm | 150 psi<br>(10.3 Bar)          | 52mm           | 0.11 lb           |
| 1PS-10M-10-__           |      |       | 10             | 110cm             | 30cm                |                     |                                |                | 0.16 lb           |
| 1PS-10M-15-__           |      |       | 15             | 160cm             | 35cm                |                     |                                |                | 0.24 lb           |
| 1PS-10M-20-__           |      |       | 20             | 205cm             | 40cm                |                     |                                |                | 0.32 lb           |
| 1PS-10M-30-__           |      |       | 30             | 301cm             | 50cm                |                     |                                |                | 0.40 lb           |
| 1PS-10M-40-__           |      |       | 40             | 396cm             | 60cm                |                     |                                |                | 0.60 lb           |
| 1PS-12M-05-__           | 12mm | 8mm   | 5              | 78cm              | 26cm                | 100mm<br>&<br>100mm | 150 psi<br>(10.3 Bar)          | 66mm           | 0.19 lb           |
| 1PS-12M-10-__           |      |       | 10             | 138cm             | 32cm                |                     |                                |                | 0.31 lb           |
| 1PS-12M-15-__           |      |       | 15             | 200cm             | 38cm                |                     |                                |                | 0.42 lb           |
| 1PS-12M-20-__           |      |       | 20             | 262cm             | 44cm                |                     |                                |                | 0.62 lb           |
| 1PS-12M-30-__           |      |       | 30             | 387cm             | 56cm                |                     |                                |                | 0.83 lb           |
| 1PS-12M-40-__           |      |       | 40             | 512cm             | 68cm                |                     |                                |                | 1.12 lb           |



# Spiral Recoil Hose

**TechniSpiral™**

## Single Tube Nylon Spirals



ATP's Nylon TechniSpiral™ is constructed of Nylon 12 tubing. Like Nylochem® Tubing, these spirals are well suited for applications that require increased working pressures and temperatures.

- Thinner Wall Enables Higher Flow Rates
- Superior Moisture Absorption Rates
- Broad Chemical Resistance
- UV-Stabilized, Ideal for Outdoor Use

**1 N - 532 - 05 - BK**

| 1 | TechniSpiral™ | Material |               | Tubing OD |             | Number of Turns |    | Color |           |
|---|---------------|----------|---------------|-----------|-------------|-----------------|----|-------|-----------|
|   |               | N        | Nylon 12 (PA) |           |             |                 |    |       |           |
|   |               |          |               | 04M/532   | 4mm / 5/32" | 05              | 5  | BK    | Black     |
|   |               |          |               | 14        | 1/4"        | 10              | 10 | NB    | Navy Blue |
|   |               |          |               | 08M/516   | 8mm / 5/16" | 15              | 15 | G     | Green     |
|   |               |          |               | 38        | 3/8"        | 20              | 20 | GY    | Gray      |
|   |               |          |               | 12        | 1/2"        | 30              | 30 | NA    | Natural   |
|   |               |          |               | 58        | 5/8"        | 40              | 40 | OR    | Orange    |
|   |               |          |               | 06M       | 6mm         |                 |    | R     | Red       |
|   |               |          |               | 10M       | 10mm        |                 |    | S     | Silver    |
|   |               |          |               | 12M       | 12mm        |                 |    | Y     | Yellow    |

| 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            |

| Material Availability by Color Code |    |    |   |    |    |    |   |   |   |
|-------------------------------------|----|----|---|----|----|----|---|---|---|
| Model                               | BK | NB | G | GY | NA | OR | R | S | Y |
| 1N-04M/532                          | ✓  | ✓  | ✓ | X  | ✓  | X  | ✓ | X | ✓ |
| 1N14                                | ✓  | ✓  | ✓ | X  | ✓  | ✓  | ✓ | X | ✓ |
| 1N-08M/516                          | ✓  | ✓  | X | X  | ✓  | X  | ✓ | X | X |
| 1N38                                | ✓  | ✓  | ✓ | X  | ✓  | X  | ✓ | X | ✓ |
| 1N12                                | ✓  | ✓  | X | X  | ✓  | X  | ✓ | X | X |
| 1N58                                | X  | X  | X | X  | X  | X  | X | X | ✓ |
| 1N06M                               | ✓  | ✓  | ✓ | X  | ✓  | X  | ✓ | X | ✓ |
| 1N10M                               | ✓  | ✓  | X | X  | ✓  | X  | X | X | X |
| 1N12M                               | ✓  | ✓  | X | X  | ✓  | X  | X | X | X |

✓: Stocked Material X: Not-Stocked (Minimum Runs Apply)  
Availability is Subject to Change, Contact ATP

| Fitting Compatibility                      |
|--------------------------------------------|
| Technifit™ Push to Connect (Page 52 - 173) |
| Compression                                |

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



# Spiral Recoil Hose

## Fractional Sizes

| Model<br>(choose color) | O.D.              | I.D.             | Total<br>Turns | Working<br>Length | Retracted<br>Length | Tail<br>Length | Working<br>Pressure<br>at 75°F | Spiral<br>O.D. | Package<br>Weight |
|-------------------------|-------------------|------------------|----------------|-------------------|---------------------|----------------|--------------------------------|----------------|-------------------|
| 1N-04M/532-05-__        | 0.156"<br>(5/32") | 0.106"           | 5              | 1.20'             | 9.500"              | 4" & 4"        | 350 psi                        | 0.875"         | 0.01 lb           |
| 1N-04M/532-10-__        |                   |                  | 10             | 2.00'             | 11.125"             |                |                                |                | 0.01 lb           |
| 1N-04M/532-15-__        |                   |                  | 15             | 2.70'             | 12.625"             |                |                                |                | 0.02 lb           |
| 1N-04M/532-20-__        |                   |                  | 20             | 3.50'             | 14.250"             |                |                                |                | 0.02 lb           |
| 1N-04M/532-30-__        |                   |                  | 30             | 5.40'             | 17.500"             |                |                                |                | 0.03 lb           |
| 1N-04M/532-40-__        |                   |                  | 40             | 6.50'             | 20.625"             |                |                                |                | 0.05 lb           |
| 1N-14-05-__             | 0.250"<br>(1/4")  | 0.180"           | 5              | 1.70'             | 10.500"             | 4" & 4"        | 290 psi                        | 1.62"          | 0.02 lb           |
| 1N-14-10-__             |                   |                  | 10             | 2.90'             | 13.000"             |                |                                |                | 0.04 lb           |
| 1N-14-15-__             |                   |                  | 15             | 4.00'             | 15.500"             |                |                                |                | 0.06 lb           |
| 1N-14-20-__             |                   |                  | 20             | 5.30'             | 18.000"             |                |                                |                | 0.08 lb           |
| 1N-14-30-__             |                   |                  | 30             | 7.60'             | 23.000"             |                |                                |                | 0.11 lb           |
| 1N-14-40-__             |                   |                  | 40             | 10.00'            | 28.000"             |                |                                |                | 0.15 lb           |
| 1N-08M/516-05-__        | 0.313"<br>(5/16") | 0.236"           | 5              | 2.6'              | 9.4"                | 4" & 4"        | 250 psi                        | 1.88"          | 0.04 lb           |
| 1N-08M/516-10-__        |                   |                  | 10             | 3.8'              | 11.0"               |                |                                |                | 0.07 lb           |
| 1N-08M/516-15-__        |                   |                  | 15             | 5.4'              | 12.5"               |                |                                |                | 0.10 lb           |
| 1N-08M/516-20-__        |                   |                  | 20             | 7.0'              | 14.1"               |                |                                |                | 0.13 lb           |
| 1N-08M/516-30-__        |                   |                  | 30             | 10.3'             | 17.3"               |                |                                |                | 0.19 lb           |
| 1N-08M/516-40-__        |                   |                  | 40             | 13.6'             | 20.4"               |                |                                |                | 0.25 lb           |
| 1N-38-05-__             | 0.375"<br>(3/8")  | 0.275"           | 5              | 2.00'             | 11.750"             | 4" & 4"        | 250 psi                        | 2.41"          | 0.07 lb           |
| 1N-38-10-__             |                   |                  | 10             | 3.60'             | 15.500"             |                |                                |                | 0.13 lb           |
| 1N-38-15-__             |                   |                  | 15             | 5.20'             | 19.250"             |                |                                |                | 0.19 lb           |
| 1N-38-20-__             |                   |                  | 20             | 6.70'             | 23.000"             |                |                                |                | 0.25 lb           |
| 1N-38-30-__             |                   |                  | 30             | 9.80'             | 30.500"             |                |                                |                | 0.37 lb           |
| 1N-38-40-__             |                   |                  | 40             | 12.90'            | 38.000"             |                |                                |                | 0.49 lb           |
| 1N-12-05-__             | 0.500"<br>(1/2")  | 0.325"<br>(3/8") | 5              | 2.60'             | 13.000"             | 4" & 4"        | 240 psi                        | 3.00"          | 0.15 lb           |
| 1N-12-10-__             |                   |                  | 10             | 4.70'             | 18.000"             |                |                                |                | 0.27 lb           |
| 1N-12-15-__             |                   |                  | 15             | 6.70'             | 23.000"             |                |                                |                | 0.39 lb           |
| 1N-12-20-__             |                   |                  | 20             | 8.770'            | 28.000"             |                |                                |                | 0.52 lb           |
| 1N-12-30-__             |                   |                  | 30             | 12.90'            | 38.000"             |                |                                |                | 0.77 lb           |
| 1N-12-40-__             |                   |                  | 40             | 17.00'            | 48.000"             |                |                                |                | 1.01 lb           |



# Spiral Recoil Hose

## Metric Sizes

| Model<br>(choose color) | O.D. | I.D.  | Total<br>Turns | Working<br>Length | Retracted<br>Length | Tail<br>Length      | Working<br>Pressure<br>at 75°F | Spiral<br>O.D. | Package<br>Weight |
|-------------------------|------|-------|----------------|-------------------|---------------------|---------------------|--------------------------------|----------------|-------------------|
| 1N-04M/532-05-__        | 4mm  | 2.7mm | 5              | 52cm              | 22cm                | 100mm<br>&<br>100mm | 350 psi<br>(24,1 Bar)          | 24mm           | 0.01 lb           |
| 1N-04M/532-10-__        |      |       | 10             | 89cm              | 24cm                |                     |                                |                | 0.01 lb           |
| 1N-04M/532-15-__        |      |       | 15             | 126cm             | 26cm                |                     |                                |                | 0.02 lb           |
| 1N-04M/532-20-__        |      |       | 20             | 163cm             | 28cm                |                     |                                |                | 0.02 lb           |
| 1N-04M/532-30-__        |      |       | 30             | 237cm             | 32cm                |                     |                                |                | 0.03 lb           |
| 1N-04M/532-40-__        |      |       | 40             | 311cm             | 36cm                |                     |                                |                | 0.05 lb           |
| 1N-06M-05-__            | 6mm  | 4mm   | 5              | 59cm              | 23cm                | 100mm<br>&<br>100mm | 340 psi<br>(23,4 Bar)          | 37mm           | 0.02 lb           |
| 1N-06M-10-__            |      |       | 10             | 103cm             | 26cm                |                     |                                |                | 0.04 lb           |
| 1N-06M-15-__            |      |       | 15             | 146cm             | 29cm                |                     |                                |                | 0.06 lb           |
| 1N-06M-20-__            |      |       | 20             | 190cm             | 32cm                |                     |                                |                | 0.07 lb           |
| 1N-06M-30-__            |      |       | 30             | 277cm             | 38cm                |                     |                                |                | 0.11 lb           |
| 1N-06M-40-__            |      |       | 40             | 364cm             | 44cm                |                     |                                |                | 0.14 lb           |
| 1N-08M/516-05-__        | 8mm  | 6mm   | 5              | 65cm              | 24cm                | 100mm<br>&<br>100mm | 250 psi<br>(17,2 Bar)          | 41.4mm         | 0.04 lb           |
| 1N-08M/516-10-__        |      |       | 10             | 115cm             | 28cm                |                     |                                |                | 0.07 lb           |
| 1N-08M/516-15-__        |      |       | 15             | 165cm             | 32cm                |                     |                                |                | 0.10 lb           |
| 1N-08M/516-20-__        |      |       | 20             | 215cm             | 36cm                |                     |                                |                | 0.13 lb           |
| 1N-08M/516-30-__        |      |       | 30             | 315cm             | 44cm                |                     |                                |                | 0.19 lb           |
| 1N-08M/516-40-__        |      |       | 40             | 415cm             | 52cm                |                     |                                |                | 0.25 lb           |
| 1N-10M-05-__            | 10mm | 8mm   | 5              | 81cm              | 25cm                | 100mm<br>&<br>100mm | 225 psi<br>(15,5 Bar)          | 52mm           | 0.03 lb           |
| 1N-10M-10-__            |      |       | 10             | 147cm             | 30cm                |                     |                                |                | 0.06 lb           |
| 1N-10M-15-__            |      |       | 15             | 213cm             | 35cm                |                     |                                |                | 0.08 lb           |
| 1N-10M-20-__            |      |       | 20             | 278cm             | 40cm                |                     |                                |                | 0.11 lb           |
| 1N-10M-30-__            |      |       | 30             | 410cm             | 50cm                |                     |                                |                | 0.16 lb           |
| 1N-10M-40-__            |      |       | 40             | 541cm             | 60cm                |                     |                                |                | 0.22 lb           |
| 1N-12M-05-__            | 12mm | 10mm  | 5              | 94cm              | 26cm                | 100mm<br>&<br>100mm | 200 psi<br>(13,7 Bar)          | 66mm           | 0.11 lb           |
| 1N-12M-10-__            |      |       | 10             | 173cm             | 32cm                |                     |                                |                | 0.21 lb           |
| 1N-12M-15-__            |      |       | 15             | 256cm             | 38cm                |                     |                                |                | 0.31 lb           |
| 1N-12M-20-__            |      |       | 20             | 331cm             | 44cm                |                     |                                |                | 0.40 lb           |
| 1N-12M-30-__            |      |       | 30             | 489cm             | 56cm                |                     |                                |                | 0.60 lb           |
| 1N-12M-40-__            |      |       | 40             | 647cm             | 68cm                |                     |                                |                | 0.79 lb           |



# Spiral Recoil Hose

## 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>                                                                                              |                          | <b>Configuration (Check One)</b>                                                             |                          |                          | <b>Total Units Required (Fill Out)</b>        |                                               |                          |                          |                          |                          |
| Bonded Straight Tubing <input type="checkbox"/>                                                                       |                          | <input type="checkbox"/>                                                                     |                          |                          | Units <input type="checkbox"/> Total #        |                                               |                          |                          |                          |                          |
| Bonded Spiral Tubing <input type="checkbox"/>                                                                         |                          | <input type="checkbox"/>                                                                     |                          |                          | Feet <input type="checkbox"/>                 |                                               |                          |                          |                          |                          |
|                                                                                                                       |                          | <input type="checkbox"/>                                                                     |                          |                          | Meters <input type="checkbox"/>               |                                               |                          |                          |                          |                          |
| <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> |                          |                          |                          |                          |
|                                                                                                                       |                          |                                                                                              |                          |                          |                                               | Working Length                                |                          |                          |                          |                          |
|                                                                                                                       |                          |                                                                                              |                          |                          |                                               | Tail 1 Length (B)                             |                          |                          |                          |                          |
|                                                                                                                       |                          |                                                                                              |                          |                          |                                               | Tail 2 Length (D)                             |                          |                          |                          |                          |
|                                                                                                                       |                          |                                                                                              |                          |                          |                                               | Spiral O.D. (E)                               |                          |                          |                          |                          |
| <b>Packaging Style (Check One)</b>                                                                                    |                          | <b>Roll Size (Tubing Only)</b>                                                               |                          |                          | <b>Fittings (Check or Specify)</b>            |                                               |                          |                          |                          |                          |
| Shrink Wrapped (Spirals and Tubing) <input type="checkbox"/>                                                          |                          | 25 ft <input type="checkbox"/> 250 ft <input type="checkbox"/> 25m <input type="checkbox"/>  |                          |                          | No <input type="checkbox"/> Yes               |                                               |                          |                          |                          |                          |
| Spool (Tubing Only) <input type="checkbox"/>                                                                          |                          | 50 ft <input type="checkbox"/> 500 ft <input type="checkbox"/> 100m <input type="checkbox"/> |                          |                          | <b>Pneumatic Couplings (Check or Specify)</b> |                                               |                          |                          |                          |                          |
| Bulk Boxed (Spirals and Tubing) <input type="checkbox"/>                                                              |                          | 100 ft <input type="checkbox"/> 1,000 ft <input type="checkbox"/>                            |                          |                          | No <input type="checkbox"/> Yes               |                                               |                          |                          |                          |                          |
|                                                                                                                       |                          | Other <input type="checkbox"/>                                                               |                          |                          |                                               |                                               |                          |                          |                          |                          |



## ***Notes***

# Replacement Hose Fittings



# Replacement Hose Fittings

## ATP's Entire Line of Hose is Equipped with Field Repairable, Reusable Fittings

### Installation Procedure:

Installation of any replacement hose fitting is accomplished in 3 steps:

#### Step 1:

Cut the hose to the desired length. A square and clean cut can be accomplished with a hose or tubing cutter. Slide the bend restrictor onto the Hose.



#### Step 2:

Lubricate the barb fitting and insert into hose with steady, even pressure.



#### Step 3:

Tighten the bend restrictor/nut assembly onto the barb fitting.



### Fittings Use by Hose Series

| Fitting Series | Nylon | Technithane | Tecniblu | Strong Spiral | Strong-Plus | Armorthane | Armor-Air | Striper | Soft PU |
|----------------|-------|-------------|----------|---------------|-------------|------------|-----------|---------|---------|
| H              | X     | ✓           | ✓        | ✓             | ✓           | ✓          | ✓         | X       | X       |
| SH             | X     | X           | X        | X             | ✓           | X          | X         | X       | ✓       |
| STH            | X     | X           | X        | X             | X           | X          | X         | ✓       | X       |
| N              | ✓     | X           | X        | X             | X           | X          | X         | X       | X       |

# Replacement Hose Fittings

## "H" Series



| Model        | Hose I.D.<br>(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   |

# Replacement Hose Fittings



## “SH” Series

| Model          | Hose I.D.<br>(Nominal) | Style | Thread        |
|----------------|------------------------|-------|---------------|
| SH-6.5-N2M-SBR | 6.5mm (1/4")           | Rigid | 1/4" Male NPT |
| SH-6.5-N3M-SBR |                        |       | 3/8" Male NPT |
| SH-8-N2M-SBR   | 8mm (5/16")            |       | 1/4" Male NPT |
| SH-8-N3M-SBR   |                        |       | 3/8" Male NPT |
| SH-11-N3M-SBR  | 11mm (7/16")           |       | 3/8" Male NPT |
| SH-11-N4M-SBR  |                        |       | 1/2" Male NPT |



## “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 |



## “N” Series

| Model      | Hose I.D. (Nominal) | Style  | Thread        |
|------------|---------------------|--------|---------------|
| N14-2MU    | 1/4"                | Swivel | 1/4" Male NPT |
| N38-2MU    | 3/8"                | Swivel | 1/4" Male NPT |
| N38-3MU    |                     |        | 3/8" Male NPT |
| N38-4MU    |                     |        | 1/2" Male NPT |
| N12-4MU    | 1/2"                | Swivel | 1/2" Male NPT |
| N14-SPRING | 1/4"                | Spring | N/A           |
| N38-SPRING | 3/8"                |        |               |
| N12-SPRING | 1/2"                |        |               |

# Pneumatic Quick Disconnect Couplings



# 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



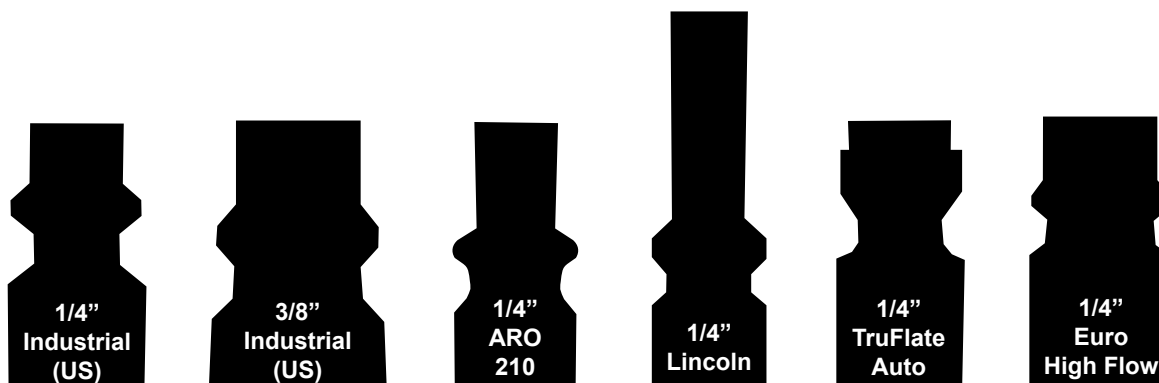
ATP's Premium Series Quick Disconnects are precision machined, chrome-plated steel.

- 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      |
| Number of Pawls (Balls)  | 6                   |
| Seal Material            | NBR (Buna-N)        |

## 14 SIC - N3F

| Body Size/Interchange |                          | Style                    | Threads |               |
|-----------------------|--------------------------|--------------------------|---------|---------------|
| 14                    | 1/4" Industrial          | S Socket / Coupling      | N       | NPT           |
| 38                    | 3/8" Industrial          | P Plug                   | (Blank) | BSPT          |
| 5                     | 1/4" Universal           | I Manual/Industrial (US) | 1       | 1/8"          |
| HF                    | 1/4" European/ High Flow | O Automatic              | 2       | 1/4"          |
|                       |                          | C Chrome-Plated          | 3       | 3/8"          |
|                       |                          |                          | 4       | 1/2"          |
|                       |                          |                          | M       | Male Thread   |
|                       |                          |                          | F       | Female Thread |
|                       |                          |                          | B       | Hose Barb     |
|                       |                          |                          | C       | Compression   |



# Pneumatic Quick Disconnect Couplings

## Chrome-Plated Manual Couplings



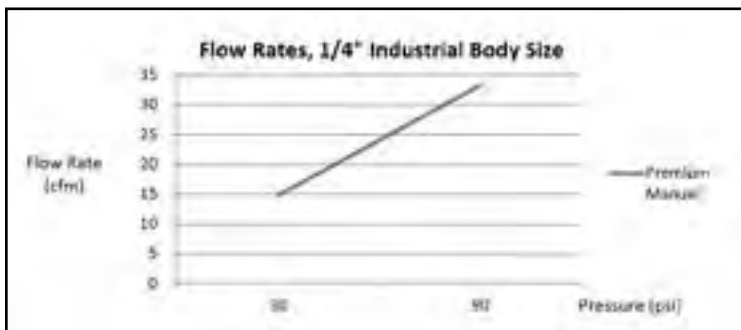
ATP's Premium Series Quick Disconnects are precision machined, chrome-plated steel. These manual couplers connect with the plug by pulling back on the sleeve, and pushing both units together

- 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

## Chrome-Plated Manual Couplings

| Model     | Thread                   | Interchange | Body Size | Hex  | Length | O.D.  |
|-----------|--------------------------|-------------|-----------|------|--------|-------|
| 14SIC-N2F | 1/4" Female NPT          | Industrial  | 1/4"      | 17mm | 1.81"  | 0.82" |
| 14SIC-N2M | 1/4" Male NPT            |             |           |      | 1.83"  |       |
| 14SIC-2B  | 1/4" Hose Barb           |             |           |      | 2.30"  |       |
| 14SIC-H14 | 1/4" x 3/8" Compression  |             |           |      | 2.08"  |       |
| 14SIC-N3F | 3/8" Female NPT          | Industrial  | 1/4"      | 21mm | 1.87"  | 0.82" |
| 14SIC-N3M | 3/8" Male NPT            |             |           | 17mm | 2.38"  |       |
| 14SIC-3B  | 3/8" Hose Barb           |             |           |      | 2.38"  |       |
| 38SIC-N2F | 1/4" Female NPT          | Industrial  | 3/8"      | 19mm | 1.81"  | 0.94" |
| 38SIC-N2M | 1/4" Male NPT            |             |           |      | 1.94"  |       |
| 38SIC-2B  | 1/4" Hose Barb           |             |           |      | 2.40"  |       |
| 38SIC-H14 | 1/4" x 3/8" Compression  |             |           | 16mm | 2.14"  |       |
| 38SIC-N3F | 3/8" Female NPT          | Industrial  | 3/8"      | 21mm | 1.92"  | 0.94" |
| 38SIC-N3M | 3/8" Male NPT            |             |           | 19mm | 1.98"  |       |
| 38SIC-3B  | 3/8" Hose Barb           |             |           |      | 2.48"  |       |
| 38SIC-H38 | 3/8" x 9/16" Compression |             |           | 21mm | 2.32"  |       |
| 38SIC-N4F | 1/2" Female NPT          | Industrial  | 3/8"      | 26mm | 1.94"  | 0.94" |
| 38SIC-N4M | 1/2" Male NPT            |             |           | 22mm | 2.04"  |       |
| 38SIC-4B  | 1/2" Hose Barb           |             |           | 19mm | 2.59"  |       |

| 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)        |



# Pneumatic Quick Disconnect Couplings



## Chrome-Plated Automatic Couplings

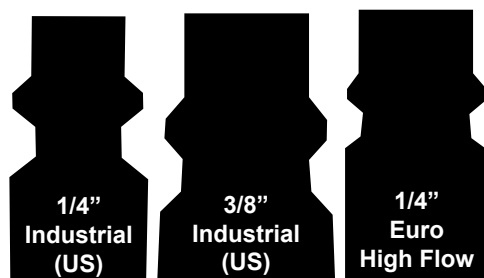
ATP's Premium Series Quick Disconnects are precision machined, chrome-plated steel. These Automatic couplers connect with the plug by simply pushing both units together.

- Automatic Connection
- 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
- 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)        |

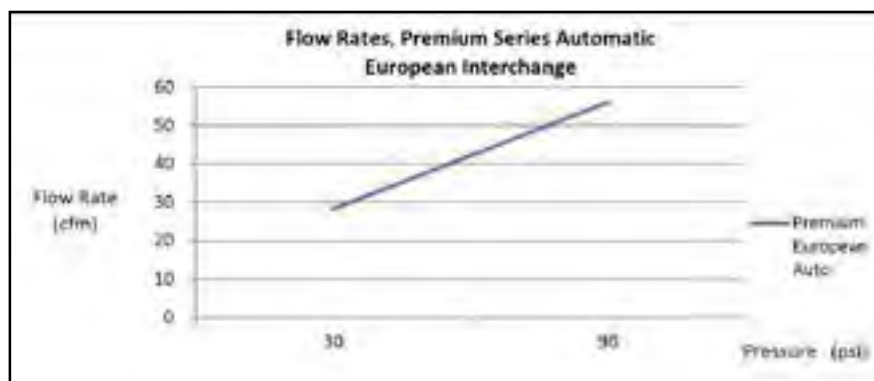
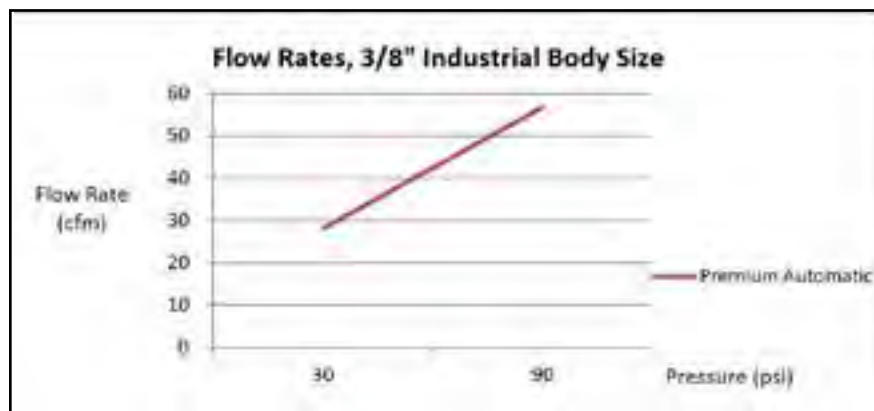
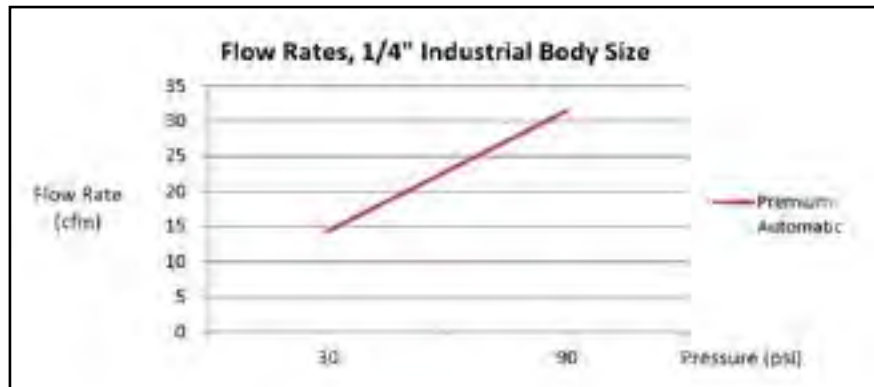
## Chrome-Plated Automatic Couplings

| Model     | Thread                   | Interchange            | Body Size | Hex  | Length | OD    |
|-----------|--------------------------|------------------------|-----------|------|--------|-------|
| 14SOC-N2F | 1/4" Female NPT          | Industrial             | 1/4"      | 17mm | 2.04"  | 0.82" |
| 14SOC-N2M | 1/4" Male NPT            |                        |           |      | 2.06"  |       |
| 14SOC-2B  | 1/4" Hose Barb           |                        |           |      | 2.53"  |       |
| 14SOC-H14 | 1/4" x 3/8" Compression  |                        |           |      | 2.32"  |       |
| 14SOC-N3F | 3/8" Female NPT          | Industrial             | 1/4"      | 21mm | 2.10"  | 0.82" |
| 14SOC-N3M | 3/8" Male NPT            |                        |           | 17mm | 2.61"  |       |
| 14SOC-3B  | 3/8" Hose Barb           |                        |           |      | 2.61"  |       |
| 38SOC-N2F | 1/4" Female NPT          | Industrial             | 3/8"      | 19mm | 2.11"  | 0.94" |
| 38SOC-N2M | 1/4" Male NPT            |                        |           |      | 2.24"  |       |
| 38SOC-2B  | 1/4" Hose Barb           |                        |           |      | 2.69"  |       |
| 38SOC-H14 | 1/4" x 3/8" Compression  |                        |           | 16mm | 2.44"  |       |
| 38SOC-N3F | 3/8" Female NPT          | Industrial             | 3/8"      | 21mm | 2.22"  | 0.94  |
| 38SOC-N3M | 3/8" Male NPT            |                        |           | 19mm | 2.28"  |       |
| 38SOC-3B  | 3/8" Hose Barb           |                        |           |      | 2.77"  |       |
| 38SOC-H38 | 3/8" X 9/16" Compression |                        |           | 21mm | 2.59"  |       |
| 38SOC-N4F | 1/2" Female NPT          | Industrial             | 3/8"      | 26mm | 2.24"  | 0.94  |
| 38SOC-N4M | 1/2" Male NPT            |                        |           | 22mm | 2.34"  |       |
| 38SOC-4B  | 1/2" Hose Barb           |                        |           | 19mm | 2.89"  |       |
| HFSOC-N2F | 1/4" Female NPT          | European/<br>High Flow | 1/4"      | 19mm | 2.10"  | 0.88" |
| HFSOC-N2M | 1/4" Male NPT            |                        |           | N/A  | 2.28"  |       |
| HFSOC-2B  | 1/4" Hose Barb           |                        |           |      | 2.28"  |       |
| HFSOC-N3F | 3/8" Female NPT          | European/<br>High Flow | 1/4"      | 21mm | 2.14"  | 0.88" |
| HFSOC-N3M | 3/8" Male NPT            |                        |           | 19mm | 2.57"  |       |
| HFSOC-3B  | 3/8" Hose Barb           |                        |           | N/A  | 2.57"  |       |
| HFSOC-2F  | 1/4" Female BSPT         | European/<br>High Flow | 1/4"      | 19mm | 2.10"  | 0.88" |
| HFSOC-2M  | 1/4" Male BSPT           |                        |           | 21mm | 2.14"  |       |
| HFSOC-3F  | 3/8" Female BSPT         |                        |           |      | 2.14"  |       |
| HFSOC-3M  | 3/8" Male BSPT           |                        |           | 19mm | 2.14"  |       |
| HFSOC-50H | 5mm x 8mm Compression    | European/<br>High Flow | 1/4"      | 19mm | 2.22"  | 0.88" |
| HFSOC-65H | 6.5mm x 10mm Compression |                        |           |      | 2.24"  |       |
| HFSOC-80H | 8mm x 12mm Compression   |                        |           |      | 2.34"  |       |



# Pneumatic Quick Disconnect Couplings

## Chrome-Plated Automatic Couplings (Continued)



# Pneumatic Quick Disconnect Couplings

## Chrome-Plated Plugs

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

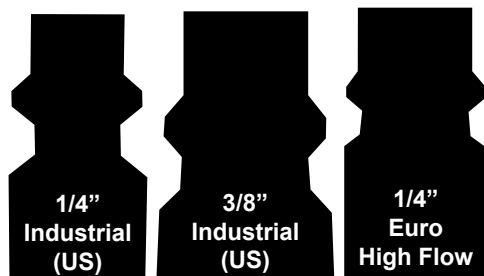
- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Rugged Steel Construction Maintains Integrity, not Easily Damaged like Brass
- Precision Machining Ensures Long Lasting, Leak-Free Connection.



## Chrome-Plated Plugs

| Model     | Thread                   | Interchange            | Body Size | Hex  | Length | OD    |
|-----------|--------------------------|------------------------|-----------|------|--------|-------|
| 14PIC-N2F | 1/4" Female NPT          | Industrial             | 1/4"      | 17mm | 1.57"  | 0.20" |
| 14PIC-N2M | 1/4" Male NPT            |                        |           | 14mm | 1.69"  |       |
| 14PIC-2B  | 1/4" Hose Barb           |                        |           | N/A  | 2.00"  |       |
| 14PIC-H14 | 1/4" x 3/8" Compression  |                        |           | 16mm | 1.95"  |       |
| 14PIC-N3F | 3/8" Female NPT          | Industrial             | 1/4"      | 21mm | 1.61"  | 0.20" |
| 14PIC-N3M | 3/8" Male NPT            |                        |           | 19mm | 1.73"  |       |
| 14PIC-3B  | 3/8" Hose Barb           |                        |           | N/A  | 2.00"  |       |
| 14PIC-H38 | 3/8" X 9/16" Compression |                        |           | 21mm | 2.00"  |       |
| 38PIC-N2F | 1/4" Female NPT          | Industrial             | 3/8"      | 17mm | 1.65"  | 0.28" |
| 38PIC-N2M | 1/4" Male NPT            |                        |           | 16mm | 1.78"  |       |
| 38PIC-2B  | 1/4" Hose Barb           |                        |           | N/A  | 2.30"  |       |
| 38PIC-H14 | 1/4" x 3/8" Compression  |                        |           | 16mm | 2.00"  |       |
| 38PIC-N3F | 3/8" Female NPT          | Industrial             | 3/8"      | 21mm | 1.71"  | 0.28" |
| 38PIC-N3M | 3/8" Male NPT            |                        |           | 19mm | 1.82"  |       |
| 38PIC-3B  | 3/8" Hose Barb           |                        |           | N/A  | 2.30"  |       |
| 38PIC-H38 | 3/8" X 9/16" Compression |                        |           | 21mm | 2.26"  |       |
| 38PIC-N4F | 1/2" Female NPT          | Industrial             | 3/8"      | 26mm | 1.85"  | 0.28" |
| 38PIC-N4M | 1/2" Male NPT            |                        |           | 22mm | 1.90"  |       |
| 38PIC-4B  | 1/2" Hose Barb           |                        |           | N/A  | 2.30"  |       |
| HFPC-N2F  | 1/4" Female NPT          | European/<br>High Flow | 1/4"      | 17mm | 1.43"  | 0.28" |
| HFPC-N2M  | 1/4" Male NPT            |                        |           | 14mm | 1.51"  |       |
| HFPC-2B   | 1/4" Hose Barb           |                        |           | N/A  | 1.96"  |       |
| HFPC-N3F  | 3/8" Female NPT          | European/<br>High Flow | 1/4"      | 21mm | 1.47"  | 0.28" |
| HFPC-N3M  | 3/8" Male NPT            |                        |           | 19mm | 1.66"  |       |
| HFPC-3B   | 3/8" Hose Barb           |                        |           | N/A  | 2.06"  |       |
| HFPC-2F   | 1/4" Female BSPT         | European/<br>High Flow | 1/4"      | 17mm | 1.43"  | 0.28" |
| HFPC-2M   | 1/4" Male BSPT           |                        |           | 14mm | 1.51"  |       |
| HFPC-3F   | 3/8" Female BSPT         | European/<br>High Flow | 1/4"      | 21mm | 1.47"  | 0.28" |
| HFPC-3M   | 3/8" Male BSPT           |                        |           | 19mm | 1.66"  |       |
| HFPC-50H  | 5mm x 8mm Compression    | European/<br>High Flow | 1/4"      | 19mm | 1.62"  | 0.28" |
| HFPC-65H  | 6.5mm x 10mm Compression |                        |           |      | 1.72"  |       |
| HFPC-80H  | 8mm x 12mm Compression   |                        |           |      | 1.82"  |       |

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



# Pneumatic Quick Disconnect Couplings



## Chrome-Plated Universal Couplings

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

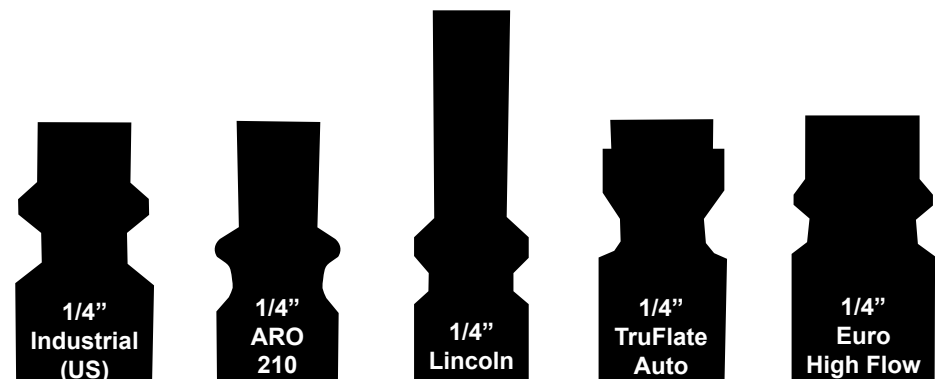
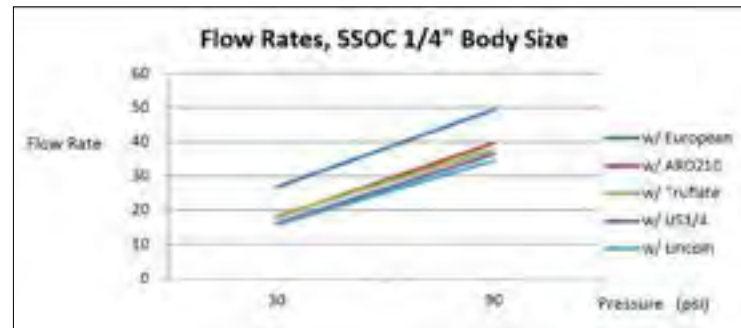
ATP's Premium Series Quick Disconnects are precision machined, chrome-plated steel. These Automatic Universal coupling connect with the plug by simply pushing both units together. **All 5SOC series couplings will connect to Industrial, TruFlate, ARO, European, and Lincoln Interchanges.**

- 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

## Chrome-Plated Universal Couplings

| Model           | Thread                   | Interchange | Body Size | Hex  | Length | OD    |
|-----------------|--------------------------|-------------|-----------|------|--------|-------|
| <b>5SOC-N2F</b> | 1/4" Female NPT          | Universal   | 1/4"      | 19mm | 2.25"  | 0.94" |
| <b>5SOC-N2M</b> | 1/4" Male NPT            |             |           |      | 2.36"  |       |
| <b>5SOC-2B</b>  | 1/4" Hose Barb           |             |           |      | 2.79"  |       |
| <b>5SOC-H14</b> | 1/4" x 3/8" Compression  |             |           |      | 2.57"  |       |
| <b>5SOC-N3F</b> | 3/8" Female NPT          | Universal   | 1/4"      | 21mm | 2.36"  | 0.94" |
| <b>5SOC-N3M</b> | 3/8" Male NPT            |             |           | 19mm | 2.87"  |       |
| <b>5SOC-3B</b>  | 3/8" Hose Barb           |             |           |      | 2.69"  |       |
| <b>5SOC-H38</b> | 3/8" X 9/16" Compression |             |           |      | 2.69"  |       |
| <b>5SOC-4B</b>  | 1/2" Hose Barb           | Universal   | 1/4"      | 19mm | 2.99"  | 0.94" |

| 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)        |



# Pneumatic Quick Disconnect Couplings

## Chrome-Plated Japanese Interchange



ATP's Chrome-Plated Quick Disconnects are machined from steel, then chrome-plated for durability.

- 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.

### 22 - DSF - NPT

| Thread/Body Size |      |
|------------------|------|
| 22               | 1/4" |
| 23               | 3/8" |
| 24               | 1/2" |

| Style |                            |
|-------|----------------------------|
| D     | Japanese Interchange (JIS) |
| S     | Socket/Couplings           |
| P     | Plug                       |
| M     | Male Thread                |
| F     | Female Thread              |

| Threads |      |
|---------|------|
| NPT     | NPT  |
| (Blank) | BSPT |

| 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 Manual Couplings

These manual couplers connect with the plug by pulling back on the sleeve, and pushing both units together.



### Chrome-Plated Manual Couplings

| Model      | Thread                   | Interchange | Body Size | Hex  | Length | OD    |
|------------|--------------------------|-------------|-----------|------|--------|-------|
| 22-DSF-NPT | 1/4" Female NPT          | Japanese    | 1/4"      | 19mm | 1.81"  | 0.98" |
| 22-DSM-NPT | 1/4" Male NPT            |             |           |      | 1.96"  |       |
| 22-DSH     | 1/4" Hose Barb           |             |           |      | 2.63"  |       |
| 23-DSF-NPT | 3/8" Female NPT          | Japanese    | 1/4"      | 21mm | 1.98"  | 0.98" |
| 23-DSM-NPT | 3/8" Male NPT            |             |           |      | 1.96"  |       |
| 23-DSH     | 3/8" Hose Barb           |             |           |      | 2.79"  |       |
| 24-DSF-NPT | 1/2" Female NPT          | Japanese    | 1/4"      | 26mm | 2.00"  | 0.98" |
| 24-DSM-NPT | 1/2" Male NPT            |             |           |      | 2.02"  |       |
| 24-DSH     | 1/2" Hose Barb           |             |           |      | 2.00"  |       |
| 22-DSF     | 1/4" Female BSPT         | Japanese    | 1/4"      | 19mm | 1.81"  | 0.98" |
| 22-DSM     | 1/4" Male BSPT           |             |           |      | 1.96"  |       |
| 23-DSF     | 3/8" Female BSPT         | Japanese    | 1/4"      | 21mm | 1.98"  | 0.98" |
| 23-DSM     | 3/8" Male BSPT           |             |           |      | 1.96"  |       |
| 24-DSF     | 1/2" Female BSPT         | Japanese    | 1/4"      | 26mm | 2.00"  | 0.98" |
| 24-DSM     | 1/2" Male BSPT           |             |           |      | 2.02"  |       |
| 50-DSC     | 5mm x 8mm Compression    | Japanese    | 1/4"      | 19mm | 2.00"  | 0.98" |
| 65-DSC     | 6.5mm x 10mm Compression |             |           |      | 2.08"  |       |
| 80-DSC     | 8mm x 12mm Compression   |             |           |      | 2.20"  |       |

# Pneumatic Quick Disconnect Couplings

## Chrome-Plated Automatic Couplings

These Automatic Universal couplers connect with the plug by simply pushing both units together.



### Chrome-Plated Automatic Couplings

| Model  | Thread                   | Interchange | Body Size | Hex  | Length | OD    |
|--------|--------------------------|-------------|-----------|------|--------|-------|
| 22-SOF | 1/4" Female BSPT         | Japanese    | 1/4"      | 19mm | 1.81"  | 0.98" |
| 22-SOM | 1/4" Male BSPT           |             |           |      | 1.96"  |       |
| 22-SOH | 1/4" Hose Barb           |             |           |      | 2.63"  |       |
| 23-SOF | 3/8" Female BSPT         | Japanese    | 1/4"      | 21mm | 1.98"  | 0.98" |
| 23-SOM | 3/8" Male BSPT           |             |           | 19mm | 1.96"  |       |
| 23-SOH | 3/8" Hose Barb           |             |           |      | 2.79"  |       |
| 24-SOF | 1/2" Female BSPT         | Japanese    | 1/4"      | 26mm | 2.00"  | 0.98" |
| 24-SOM | 1/2" Male BSPT           |             |           | 21mm | 2.02"  |       |
| 24-SOH | 1/2" Hose Barb           |             |           | 19mm | 2.00"  |       |
| 50-SOC | 5mm x 8mm Compression    | Japanese    | 1/4"      | 19mm | 1.81"  | 0.98" |
| 65-SOC | 6.5mm x 10mm Compression |             |           |      | 1.96"  |       |
| 80-SOC | 8mm x 12mm Compression   |             |           | 21mm | 1.98"  |       |

## Chrome-Plated Plugs

Machined from steel then plated, these plugs offer durability and a precision fit.



### Chrome-Plated Plugs

| Model      | Thread                   | Interchange | Body Size | Hex  | Length | OD    |
|------------|--------------------------|-------------|-----------|------|--------|-------|
| 22-DPF-NPT | 1/4" Female NPT          | Japanese    | 1/4"      | 17mm | 1.41"  | 0.29" |
| 22-DPM-NPT | 1/4" Male NPT            |             |           |      | 1.61"  |       |
| 22-DPH     | 1/4" Hose Barb           |             |           | N/A  | 2.24"  |       |
| 23-DPF-NPT | 3/8" Female NPT          | Japanese    | 1/4"      | 21mm | 1.47"  | 0.29" |
| 23-DPM-NPT | 3/8" Male NPT            |             |           | 19mm | 1.65"  |       |
| 23-DPH     | 3/8" Hose Barb           |             |           | N/A  | 2.40"  |       |
| 24-DPF-NPT | 1/2" Female NPT          | Japanese    | 1/4"      | 26mm | 1.53"  | 0.29" |
| 24-DPM-NPT | 1/2" Male NPT            |             |           | 21mm | 1.60"  |       |
| 24-DPH     | 1/2" Hose Barb           |             |           | N/A  | 2.55"  |       |
| 22-DPF     | 1/4" Female BSPT         | Japanese    | 1/4"      | 17mm | 1.41"  | 0.29" |
| 22-DPM     | 1/4" Male BSPT           |             |           | 14mm | 1.61"  |       |
| 23-DPF     | 3/8" Female BSPT         | Japanese    | 1/4"      | 21mm | 1.40"  | 0.29" |
| 23-DPM     | 3/8" Male BSPT           |             |           | 19mm | 1.65"  |       |
| 24-DPF     | 1/2" Female BSPT         | Japanese    | 1/4"      | 26mm | 1.53"  | 0.29" |
| 24-DPM     | 1/2" Male BSPT           |             |           | 21mm | 1.67"  |       |
| 50-DPC     | 5mm x 8mm Compression    | Japanese    | 1/4"      | 17mm | 1.61"  | 0.29" |
| 65-DPC     | 6.5mm x 10mm Compression |             |           |      | 1.71"  |       |
| 80-DPC     | 8mm x 12mm Compression   |             |           | 19mm | 1.81"  |       |

# Pneumatic Quick Disconnect Couplings

## 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



| 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®              |

### SS 14 SI - N3F

| Series |                 | Body Size |                      | Style/Interchange |                 | Threads |           |
|--------|-----------------|-----------|----------------------|-------------------|-----------------|---------|-----------|
| SS     | Stainless Steel | 14        | 1/4" Industrial (US) | S                 | Socket/Coupling | N       | NPT       |
|        |                 | 38        | 3/8" Industrial (US) | P                 | Plug            | 2       | 1/4"      |
|        |                 | 12        | 1/2" Industrial (US) | I                 | Manual          | 3       | 3/8"      |
|        |                 |           |                      |                   |                 | 4       | 1/2"      |
|        |                 |           |                      |                   |                 | 6       | 3/4"      |
|        |                 |           |                      |                   |                 | M       | Male      |
|        |                 |           |                      |                   |                 | F       | Female    |
|        |                 |           |                      |                   |                 | B       | Hose Barb |



### Stainless Steel Manual Couplings

| Model      | Thread          | Interchange | Body Size | Hex  | Length | OD    |
|------------|-----------------|-------------|-----------|------|--------|-------|
| SS14SI-N2F | 1/4" Female NPT | Industrial  | 1/4"      | 21mm | 2.50"  | 0.69" |
| SS14SI-N2M | 1/4" Male NPT   |             |           |      | 2.70"  |       |
| SS14SI-2B  | 1/4" Hose Barb  |             |           |      | 3.10"  |       |
| SS14SI-N3F | 3/8" Female NPT | Industrial  | 1/4"      | 21mm | 2.65"  | 0.69" |
| SS14SI-N3M | 3/8" Male NPT   |             |           |      | 2.50"  |       |
| SS14SI-3B  | 3/8" Hose Barb  |             |           |      | 3.10"  |       |
| SS38SI-N2F | 1/4" Female NPT | Industrial  | 3/8"      | 24mm | 2.82"  | 1.25" |
| SS38SI-N2M | 1/4" Male NPT   |             |           |      | 2.85"  |       |
| SS38SI-2B  | 1/4" Hose Barb  |             |           |      | 3.25"  |       |
| SS38SI-N3F | 3/8" Female NPT | Industrial  | 3/8"      | 24mm | 2.85"  | 1.25" |
| SS38SI-N3M | 3/8" Male NPT   |             |           |      | 3.25"  |       |
| SS38SI-3B  | 3/8" Hose Barb  |             |           |      | 3.25"  |       |
| SS12SI-N3F | 3/8" Female NPT | Industrial  | 1/2"      | 27mm | 3.50"  | 1.30" |
| SS12SI-N3M | 3/8" Male NPT   |             |           |      | 3.31"  |       |
| SS12SI-3B  | 3/8" Hose Barb  |             |           |      | 3.75"  |       |
| SS12SI-N4F | 1/2" Female NPT | Industrial  | 1/2"      | 27mm | 3.50"  | 1.30" |
| SS12SI-N4M | 1/2" Male NPT   |             |           |      | 3.75"  |       |
| SS12SI-4B  | 1/2" Hose Barb  |             |           |      | 3.75"  |       |
| SS12SI-N6F | 3/4" Female NPT | Industrial  | 1/2"      | 27mm | 3.75"  | 1.30" |
| SS12SI-N6M | 3/4" Male NPT   |             |           |      | 3.50"  |       |
| SS12SI-6B  | 3/4" Hose Barb  |             |           |      | 3.75"  |       |



# Pneumatic Quick Disconnect Couplings

## SS 14 SI - N3F

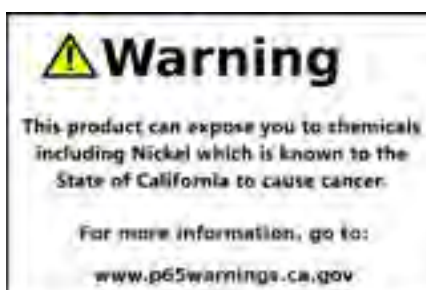
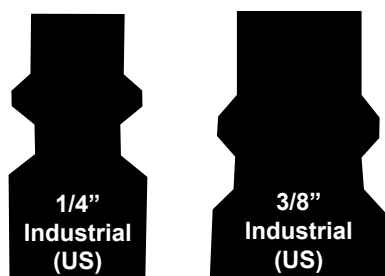


| Series |                 | Body Size |                      | Style/Interchange |                 | Threads |           |
|--------|-----------------|-----------|----------------------|-------------------|-----------------|---------|-----------|
| SS     | Stainless Steel | 14        | 1/4" Industrial (US) | S                 | Socket/Coupling | N       | NPT       |
|        |                 | 38        | 3/8" Industrial (US) | P                 | Plug            | 2       | 1/4"      |
|        |                 | 12        | 1/2" Industrial (US) | I                 | Manual          | 3       | 3/8"      |
|        |                 |           |                      |                   |                 | 4       | 1/2"      |
|        |                 |           |                      |                   |                 | 6       | 3/4"      |
|        |                 |           |                      |                   |                 | M       | Male      |
|        |                 |           |                      |                   |                 | F       | Female    |
|        |                 |           |                      |                   |                 | B       | Hose Barb |

## Stainless Steel Plugs

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

| Model      | Thread          | Interchange | Body Size | Hex  | Length | OD    |
|------------|-----------------|-------------|-----------|------|--------|-------|
| SS14PI-N2F | 1/4" Female NPT | Industrial  | 1/4"      | 16mm | 1.50"  | 0.69" |
| SS14PI-N2M | 1/4" Male NPT   |             |           | 14mm | 1.69"  |       |
| SS14PI-2B  | 1/4" Hose Barb  |             |           | 13mm | 2.14"  |       |
| SS14PI-N3F | 3/8" Female NPT | Industrial  | 1/4"      | 19mm | 1.71"  | 0.69" |
| SS14PI-N3M | 3/8" Male NPT   |             |           | 18mm | 1.75"  |       |
| SS14PI-3B  | 3/8" Hose Barb  |             |           | 14mm | 2.14"  |       |
| SS38PI-N2F | 1/4" Female NPT | Industrial  | 3/8"      | 16mm | 2.82"  | 1.25" |
| SS38PI-N2M | 1/4" Male NPT   |             |           | 18mm | 2.85"  |       |
| SS38PI-2B  | 1/4" Hose Barb  |             |           |      | 3.25"  |       |
| SS38PI-N3F | 3/8" Female NPT | Industrial  | 3/8"      | 19mm | 2.82"  | 1.25" |
| SS38PI-N3M | 3/8" Male NPT   |             |           | 18mm | 2.85"  |       |
| SS38PI-3B  | 3/8" Hose Barb  |             |           |      | 3.25"  |       |
| SS12PI-N3F | 3/8" Female NPT | Industrial  | 1/2"      | 19mm | 2.25"  | 1.30" |
| SS12PI-N3M | 3/8" Male NPT   |             |           | 17mm | 2.30"  |       |
| SS12PI-3B  | 3/8" Hose Barb  |             |           | N/A  | 2.54"  |       |
| SS12PI-N4F | 1/2" Female NPT | Industrial  | 1/2"      | 24mm | 2.25"  | 1.30" |
| SS12PI-N4M | 1/2" Male NPT   |             |           | 22mm | 2.30"  |       |
| SS12PI-4B  | 1/2" Hose Barb  |             |           | N/A  | 2.54"  |       |
| SS12PI-N6F | 3/4" Female NPT | Industrial  | 1/2"      | 30mm | 2.33"  | 1.30" |
| SS12PI-N6M | 3/4" Male NPT   |             |           | 27mm | 2.54"  |       |
| SS12PI-6B  | 3/4" Hose Barb  |             |           | N/A  |        |       |



# Pneumatic Quick Disconnect Couplings

## Stainless Steel Japanese Interchange



### 22 - DSF - SUS303

| Thread/Body Size |      |
|------------------|------|
| 22               | 1/4" |
| 23               | 3/8" |
| 24               | 1/2" |

| Style |                            |
|-------|----------------------------|
| D     | Japanese Interchange (JIS) |
| S     | Socket/Couplings           |
| P     | Plug                       |
| M     | Male Thread                |
| F     | Female Thread              |

| Material |                 |
|----------|-----------------|
| 303      | Stainless Steel |



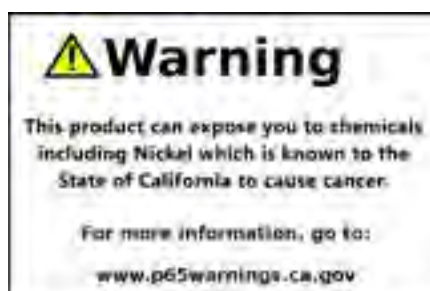
### Japanese Interchange Manual Couplings

| Model         | Thread           | Interchange | Body Size | Hex  | Length | OD    |
|---------------|------------------|-------------|-----------|------|--------|-------|
| 22-DSF-SUS303 | 1/4" Female BSPT | Japanese    | 1/4"      | 19mm | 1.81"  | 0.98" |
| 22-DSM-SUS303 | 1/4" Male BSPT   |             |           |      | 1.96"  |       |
| 22-DSH-SUS303 | 1/4" Hose Barb   |             |           |      | 2.63"  |       |
| 23-DSF-SUS303 | 3/8" Female BSPT | Japanese    | 1/4"      | 21mm | 1.98"  | 0.98" |
| 23-DSM-SUS303 | 3/8" Male BSPT   |             |           |      | 1.96"  |       |
| 23-DSH-SUS303 | 3/8" Hose Barb   |             |           |      | 2.79"  |       |
| 24-DSF-SUS303 | 1/2" Female BSPT | Japanese    | 1/4"      | 26mm | 2.00"  | 0.98" |
| 24-DSM-SUS303 | 1/2" Male BSPT   |             |           |      | 2.02"  |       |
| 24-DSH-SUS303 | 1/2" Hose Barb   |             |           |      | 2.79"  |       |



### Japanese Interchange Plugs

| Model         | Thread           | Interchange | Body Size | Hex  | Length | OD    |
|---------------|------------------|-------------|-----------|------|--------|-------|
| 22-DPF-SUS303 | 1/4" Female BSPT | Japanese    | 1/4"      | 19mm | 1.81"  | 0.98" |
| 22-DPM-SUS303 | 1/4" Male BSPT   |             |           |      | 1.96"  |       |
| 22-DPH-SUS303 | 1/4" Hose Barb   |             |           |      | 2.63"  |       |
| 23-DPF-SUS303 | 3/8" Female BSPT | Japanese    | 1/4"      | 21mm | 1.98"  | 0.98" |
| 23-DPM-SUS303 | 3/8" Male BSPT   |             |           |      | 1.96"  |       |
| 23-DPH-SUS303 | 3/8" Hose Barb   |             |           |      | 2.79"  |       |
| 24-DPF-SUS303 | 1/2" Female BSPT | Japanese    | 1/4"      | 26mm | 2.00"  | 0.98" |
| 24-DPM-SUS303 | 1/2" Male BSPT   |             |           |      | 2.02"  |       |
| 24-DPH-SUS303 | 1/2" Hose Barb   |             |           |      | 2.79"  |       |



# 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.



### 14 SI - N3F

| Body Size/Interchange |                      |
|-----------------------|----------------------|
| 14                    | 1/4" Industrial (US) |
| 38                    | 3/8" Industrial (US) |

| Style |                 |
|-------|-----------------|
| S     | Socket/Coupling |
| P     | Plug            |
| I     | Manual          |

| Threads |               |
|---------|---------------|
| N       | NPT           |
| 1       | 1/8"          |
| 2       | 1/4"          |
| 3       | 3/8"          |
| 4       | 1/2"          |
| M       | Male Thread   |
| F       | Female Thread |

| 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)      |

### Manual Coupling



| Model    | Thread          | Interchange | Body Size | Hex  | Length | OD    |
|----------|-----------------|-------------|-----------|------|--------|-------|
| 14SI-N2F | 1/4" Female NPT | Industrial  | 1/4"      | 19mm | 1.88"  | 0.86" |
| 14SI-N2M | 1/4" Male NPT   |             |           |      | 2.11"  |       |
| 14SI-N3F | 3/8" Female NPT |             |           |      | 1.98"  |       |
| 14SI-N3M | 3/8" Male NPT   | Industrial  | 1/4"      | 19mm | 2.11"  | 0.86" |
| 14SI-N4F | 1/2" Female NPT |             |           | 24mm | 2.09"  |       |
| 14SI-N4M | 1/2" Male NPT   |             |           | 22mm | 2.33"  |       |
| 38SI-N2F | 1/4" Female NPT | Industrial  | 3/8"      | 22mm | 2.24"  | 1.06" |
| 38SI-N2M | 1/4" Male NPT   |             |           |      | 2.36"  |       |
| 38SI-N3F | 3/8" Female NPT |             |           |      | 2.36"  |       |
| 38SI-N3M | 3/8" Male NPT   | Industrial  | 3/8"      | 22mm | 2.36"  | 1.06" |
| 38SI-N4F | 1/2" Female NPT |             |           | 24mm | 2.40"  |       |
| 38SI-N4M | 1/2" Male NPT   |             |           | 22mm | 2.50"  |       |



# Pneumatic Quick Disconnect Couplings

## 14 PI - N3F



| Body Size/Interchange |                     |
|-----------------------|---------------------|
| 14                    | 1/4" Body Size      |
| 38                    | 3/8" Body Size      |
| HFP                   | European/ High Flow |

| Style |                 |
|-------|-----------------|
| P     | Plug            |
| I     | Industrial (US) |
| A     | ARO 210         |
| T     | TruFlate        |

| Threads |               |
|---------|---------------|
| N       | NPT           |
| (blank) | BSPT          |
| 1       | 1/8"          |
| 2       | 1/4"          |
| 3       | 3/8"          |
| 4       | 1/2"          |
| M       | Male Thread   |
| F       | Female Thread |

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

## Plugs

| Model    | Thread           | Interchange            | Body Size | Hex  | Length | OD    |
|----------|------------------|------------------------|-----------|------|--------|-------|
| 14PI-N2F | 1/4" Female NPT  | Industrial             | 1/4"      | 17mm | 1.55"  | 0.20" |
| 14PI-N2M | 1/4" Male NPT    |                        |           | 14mm | 1.66"  |       |
| 14PI-N3F | 3/8" Female NPT  |                        |           | 17mm | 1.55"  |       |
| 14PI-N3M | 3/8" Male NPT    |                        |           |      | 1.66"  |       |
| 38PI-N2F | 1/4" Female NPT  | Industrial             | 3/8"      | 17mm | 1.50"  | 0.28" |
| 38PI-N2M | 1/4" Male NPT    |                        |           |      | 1.87"  |       |
| 38PI-N3F | 3/8" Female NPT  |                        |           |      | 1.50"  |       |
| 38PI-N3M | 3/8" Male NPT    |                        |           |      | 1.87"  |       |
| 38PI-N4F | 1/2" Female NPT  |                        |           |      | 1.50"  |       |
| 38PI-N4M | 1/2" Male NPT    |                        |           |      | 1.87"  |       |
| 14PA-N2F | 1/4" Female NPT  | ARO 210                | 1/4"      | 17mm | 1.47"  | 0.20" |
| 14PA-N2M | 1/4" Male NPT    |                        |           | 14mm | 1.70"  |       |
| 14PA-N3F | 3/8" Female NPT  |                        |           | 17mm | 1.47"  |       |
| 14PA-N3M | 3/8" Male NPT    |                        |           |      | 1.70"  |       |
| 14PT-N2F | 1/4" Female NPT  | Tru-Flate              | 1/4"      | 16mm | 1.48"  | 0.20" |
| 14PT-N2M | 1/4" Male NPT    |                        |           | 14mm | 1.59"  |       |
| 14PT-N3F | 3/8" Female NPT  |                        |           | 18mm | 1.50"  |       |
| 14PT-N3M | 3/8" Male NPT    |                        |           |      | 1.69"  |       |
| HFP-N2F  | 1/4" Female NPT  | European/<br>High Flow | 1/4"      | 17mm | 1.48"  | 0.28" |
| HFP-N2M  | 1/4" Male NPT    |                        |           | 14mm | 1.51"  |       |
| HFP-N3F  | 3/8" Female NPT  |                        |           | 17mm | 1.47"  |       |
| HFP-N3M  | 3/8" Male NPT    |                        |           |      | 1.66"  |       |
| HFP-2F   | 1/4" Female BSPT | European/<br>High Flow | 1/4"      | 17mm | 1.48"  | 0.28" |
| HFP-2M   | 1/4" Male BSPT   |                        |           | 14mm | 1.51"  |       |
| HFP-3F   | 3/8" Female BSPT |                        |           | 17mm | 1.47"  |       |
| HFP-3M   | 3/8" Male BSPT   |                        |           |      | 1.66"  |       |



# Pneumatic Quick Disconnect Couplings

The New Generation  
**FREE ANGLE®**  
 The Improved, Ergonomic, Patented Swivel Fitting From ATP



## Free-Angle® Plugs

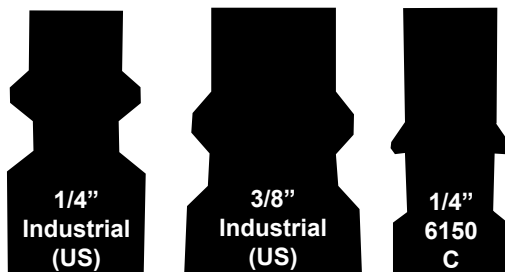
The Free-Angle® Series was introduced in the early 1990's to address ergonomic issues in assembly settings. The Free-Angle® provides an ergonomic connection between air tools and hose. The Free-Angle® swivels 360° and pivots 45°, preventing kinking, tangles, and strain on compressed air lines.

- 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 |                  | Thread Style |             | Interchange |                      |
|-------|------------------|--------------|-------------|-------------|----------------------|
| NFAP  | Free-Angle® Plug | N            | NPT         | UA          | 1/4" Industrial (US) |
|       |                  | (Blank)      | BSPT        | UB          | 3/8" Industrial (US) |
|       |                  | 1            | 1/8"        | ARO210      | ARO 210              |
|       |                  | 2            | 1/4"        | TRUFL       | TruFlate             |
|       |                  | 3            | 3/8"        | LN          | Lincoln              |
|       |                  | M            | Male Thread | 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 254

# Pneumatic Quick Disconnect Couplings

## Full Flow Safety Couplings

### Safety Slide™



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

| Specifications    |                     |
|-------------------|---------------------|
| Body Material     | Chrome-Plated Steel |
| Working Pressure  | 15 - 210 psi        |
| Temperature Range | 23°F - 140°F        |
| Seal              | Buna-N Rubber       |

### 14 DF - N2M

| Body Size/Interchange |                      |
|-----------------------|----------------------|
| 14                    | 1/4" Industrial (US) |
| 38                    | 3/8" Industrial (US) |
| 12                    | 1/2" Industrial (US) |

| Style |               |
|-------|---------------|
| DF    | Safety-Slide™ |

| Thread |            |
|--------|------------|
| N      | NPT Thread |
| 2      | 1/4"       |
| 3      | 3/8"       |
| 4      | 1/2"       |
| B      | Barb       |
| M      | Male       |
| F      | Female     |

#### Connecting the Safety-Slide™



**Step 1:**  
Insert Plug into Safety-Slide™

**Step 2:**  
Pivot the Plug into the Locked Position within the Safety-Slide™

#### Disconnecting the Safety-Slide™



**Step 1:**  
While Simultaneously Pushing inward, Pivot the Plug to Release Pressure

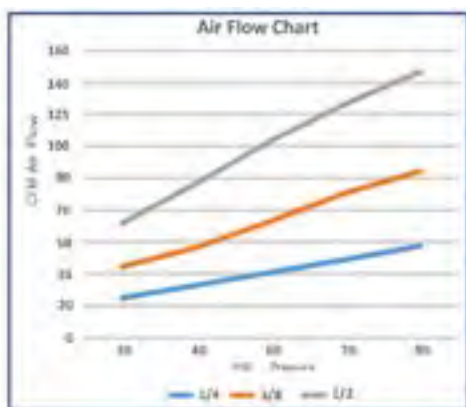
**Step 2:**  
Remove the Plug from the Safety-Slide™

# Pneumatic Quick Disconnect Couplings

## 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  |             |           |      | 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

## Japanese Interchange

**Safety Slide™**

**DF 02M**



| Body Size/Interchange | Style            | Thread          |
|-----------------------|------------------|-----------------|
| 1/4" Japanese (JIS)   | DF Safety-Slide™ | M Male          |
|                       |                  | F Female        |
|                       |                  | B Barb          |
|                       |                  | 02 1/4"         |
|                       |                  | 03 3/8"         |
|                       |                  | 04 1/2"         |
|                       |                  | 50 5mm x 8mm    |
|                       |                  | 65 6.5mm x 10mm |
|                       |                  | 80 8mm x 12mm   |
|                       |                  | 110 11mm x 16mm |

### Safety-Slide™ Premium Safety Couplings

| Specifications    |                     |
|-------------------|---------------------|
| Body Material     | Chrome-Plated Steel |
| Working Pressure  | 20 - 210 psi        |
| Temperature Range | 23°F - 140°F        |
| Seal              | Buna-N Rubber       |

| Model | Thread                   | Interchange | Body Size | Hex  | Length | OD    |
|-------|--------------------------|-------------|-----------|------|--------|-------|
| DF02F | 1/4" Female BSPT         | Japanese    | 1/4"      | 22mm | 1.60"  | 0.94" |
| DF02M | 1/4" Male BSPT           |             |           | 22mm | 1.97"  |       |
| DF02B | 1/4" Hose Barb           |             |           | 22mm | 2.44'  |       |
| DF03F | 3/8" Female BSPT         | Japanese    | 1/4"      | 22mm | 1.85"  | 0.94" |
| DF03M | 3/8" Male BSPT           |             |           | 22mm | 2.08"  |       |
| DF03B | 3/8" Hose Barb           |             |           | 22mm | 2.52"  |       |
| DF04F | 1/2" Female BSPT         | Japanese    | 1/4"      | 26mm | 1.93"  | 0.94" |
| DF04M | 1/2" Male BSPT           |             |           | 22mm | 2.08"  |       |
| DF04B | 1/2" Hose Barb           |             |           | 22mm | 2.64"  |       |
| DF50  | 5mm x 8mm Compression    | Japanese    | 1/4"      | 22mm | 2.08"  | 0.94" |
| DF65  | 6.5mm x 10mm Compression |             |           | 22mm | 2.20"  |       |
| DF80  | 8mm x 12mm Compression   |             |           | 22mm | 2.28"  |       |
| DF110 | 11mm x 16mm Compression  |             |           | 23mm |        |       |



# Pneumatic Quick Disconnect Couplings

# 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

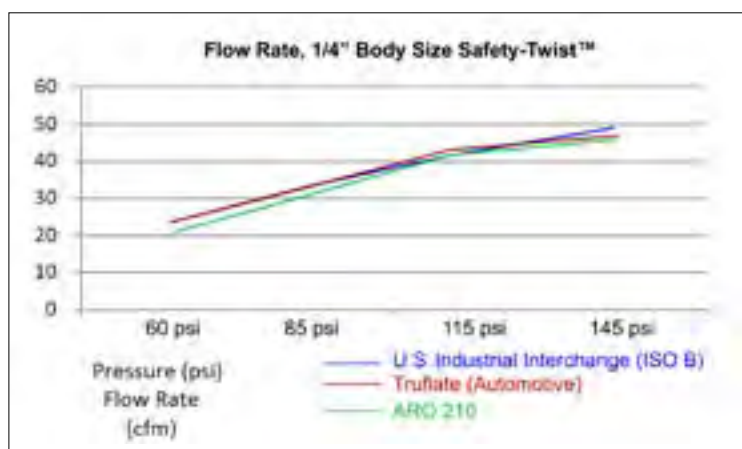
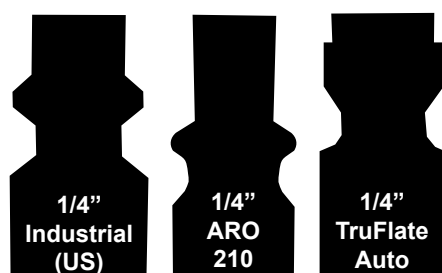
### 3 USC - N2F

| 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 Pawls (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



| 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         |             |           |        | 0.16           |                 | 1.91" (48.6mm) |
| 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



| 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.



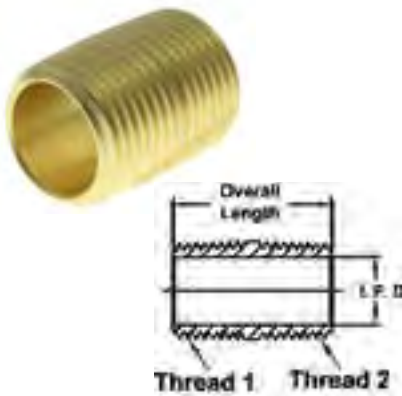
| Item       | Swing Coupler Series | Weight lb |
|------------|----------------------|-----------|
| 295 00 480 | A1, B1               | 0.08      |
| 295 00 481 | C, E                 |           |

# **Brass Fittings & Mufflers**



# Brass Fittings & Mufflers

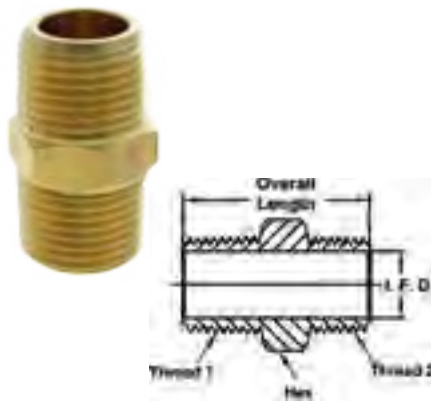
## Male Close Nipple



Male x Male connection without a hex

| Part Number | Thread 1      | Thread 2      | Hex Size | Overall Length | Inside Flow Diameter |
|-------------|---------------|---------------|----------|----------------|----------------------|
| MCC01-01    | 1/8" Male NPT | 1/8" Male NPT | N/A      | 0.750"         | 0.281"               |
| MCC02-02    | 1/4" Male NPT | 1/4" Male NPT |          | 0.880"         | 0.375"               |
| MCC03-03    | 3/8" Male NPT | 3/8" Male NPT |          | 1.000"         | 0.500"               |
| MCC04-04    | 1/2" Male NPT | 1/2" Male NPT |          | 1.130"         | 0.625"               |
| MCC06-06    | 3/4" Male NPT | 3/4" Male NPT |          | 1.310"         | 0.750"               |

## Male Hex Nipple

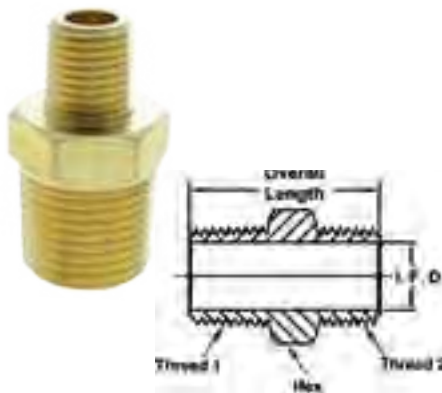


Male x Male connection with a hex

| Part Number | Thread 1      | Thread 2      | Hex Size | Overall Length | Inside Flow Diameter |
|-------------|---------------|---------------|----------|----------------|----------------------|
| MC01-01     | 1/8" Male NPT | 1/8" Male NPT | 7/16"    | 0.970"         | 0.220"               |
| MC02-02     | 1/4" Male NPT | 1/4" Male NPT | 9/16"    | 1.380"         | 0.314"               |
| MC03-03     | 3/8" Male NPT | 3/8" Male NPT | 11/16"   | 1.410"         | 0.440"               |
| MC04-04     | 1/2" Male NPT | 1/2" Male NPT | 7/8"     | 1.810"         | 0.564"               |
| MC06-06*    | 3/4" Male NPT | 3/4" Male NPT | 1 1/16"  | 1.810"         | 0.752"               |

\*Note: Non-Stock Item

## Male Hex Reducing Nipple



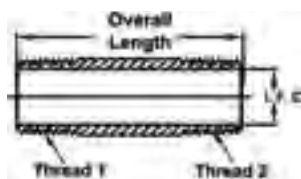
Male x Male reducing connection with a hex

| Part Number | Thread 1      | Thread 2      | Hex Size | Overall Length | Inside Flow Diameter |
|-------------|---------------|---------------|----------|----------------|----------------------|
| MC02-01     | 1/4" Male NPT | 1/8" Male NPT | 9/16"    | 1.19"          | 0.220"               |
| MC03-01     | 3/8" Male NPT | 1/8" Male NPT | 11/16"   | 1.22"          | 0.220"               |
| MC03-02     | 3/8" Male NPT | 1/4" Male NPT | 11/16"   | 1.41"          | 0.314"               |
| MC04-02     | 1/2" Male NPT | 1/4" Male NPT | 7/8"     | 1.62"          | 0.314"               |
| MC04-03     | 1/2" Male NPT | 3/8" Male NPT | 7/8"     | 1.62"          | 0.440"               |
| MC06-04*    | 3/4" Male NPT | 1/2" Male NPT | 1 1/16"  | 1.80"          | 0.564"               |

\*Note: Non-Stock Item

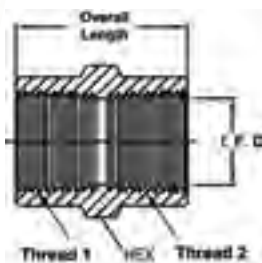
# Brass Fittings & Mufflers

## Male Long Nipple



Male x Male connection without a hex in various lengths

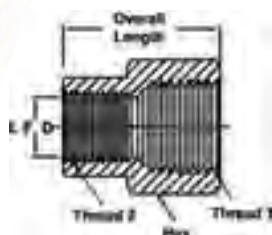
| Part Number | Thread 1      | Thread 2      | Hex Size | Overall Length | Inside Flow Diameter |
|-------------|---------------|---------------|----------|----------------|----------------------|
| MCL01-15    | 1/8" Male NPT | 1/8" Male NPT | N/A      | 1.50"          | 0.250"               |
| MCL01-20    |               |               |          | 2.00"          |                      |
| MCL01-25    |               |               |          | 2.50"          |                      |
| MCL01-30    |               |               |          | 3.00"          |                      |
| MCL02-15    | 1/4" Male NPT | 1/4" Male NPT | N/A      | 1.50"          | 0.375"               |
| MCL02-20    |               |               |          | 2.00"          |                      |
| MCL02-25    |               |               |          | 2.50"          |                      |
| MCL02-30    |               |               |          | 3.00"          |                      |
| MCL03-15    | 3/8" Male NPT | 3/8" Male NPT | N/A      | 1.50"          | 0.500"               |
| MCL03-20    |               |               |          | 2.00"          |                      |
| MCL03-25    |               |               |          | 2.50"          |                      |
| MCL03-30    |               |               |          | 3.00"          |                      |
| MCL04-15    | 1/2" Male NPT | 1/2" Male NPT | N/A      | 1.50"          | 0.625"               |
| MCL04-20    |               |               |          | 2.00"          |                      |
| MCL04-25    |               |               |          | 2.50"          |                      |
| MCL04-30    |               |               |          | 3.00"          |                      |



## Female Hex Coupling

Female x Female connection with a hex

| Part Number           | Thread 1        | Thread 2        | Hex Size | Overall Length | Inside Flow Diameter |
|-----------------------|-----------------|-----------------|----------|----------------|----------------------|
| FC01-01               | 1/8" Female NPT | 1/8" Female NPT | 9/16"    | 0.750"         | 0.339"               |
| FC02-02               | 1/4" Female NPT | 1/4" Female NPT | 3/4"     | 1.120"         | 0.441"               |
| FC03-03               | 3/8" Female NPT | 3/8" Female NPT | 7/8"     | 1.120"         | 0.517"               |
| FC04-04               | 1/2" Female NPT | 1/2" Female NPT | 1 1/16"  | 1.500"         | 0.703"               |
| FC06-06L*             | 3/4" Female NPT | 3/4" Female NPT | 1 3/8"   | 1.190"         | 0.906"               |
| *Note: Non-Stock Item |                 |                 |          |                |                      |

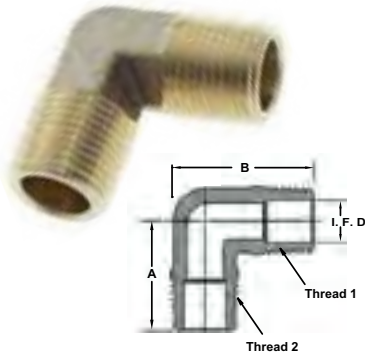


## Female Hex Reducing Coupling

Female x Female reducing connection with a hex

| Part Number           | Thread 1        | Thread 2        | Hex Size | Overall Length | Inside Flow Diameter |
|-----------------------|-----------------|-----------------|----------|----------------|----------------------|
| FC02-01               | 1/4" Female NPT | 1/8" Female NPT | 3/4"     | 0.97"          | 0.339"               |
| FC03-02               | 3/8" Female NPT | 1/4" Female NPT | 7/8"     | 1.16"          | 0.441"               |
| FC04-02               | 1/2" Female NPT | 1/4" Female NPT | 1 1/16"  | 1.28"          | 0.441"               |
| FC04-03               | 1/2" Female NPT | 3/8" Female NPT | 1 1/16"  | 1.38"          | 0.517"               |
| FC06-03*              | 3/4" Female NPT | 3/8" Female NPT | 1 3/8"   | 1.32"          | 0.517"               |
| FC06-04*              | 3/4" Female NPT | 1/2" Female NPT | 1 3/8"   | 1.19"          | 0.703"               |
| *Note: Non-Stock Item |                 |                 |          |                |                      |

# Brass Fittings & Mufflers



## Male Elbow Connector

Male x Male Elbow

| Part Number | Thread 1      | Thread 2      | "A"   | "B"    | Inside Flow Diameter |
|-------------|---------------|---------------|-------|--------|----------------------|
| ML01-01     | 1/8" Male NPT | 1/8" Male NPT | 0.71" | 0.912" | 0.220"               |
| ML02-02     | 1/4" Male NPT | 1/4" Male NPT | 0.90" | 1.170" | 0.312"               |
| ML03-03     | 3/8" Male NPT | 3/8" Male NPT | 1.09" | 1.427" | 0.408"               |
| ML04-04     | 1/2" Male NPT | 1/2" Male NPT | 1.41" | 1.830" | 0.502"               |

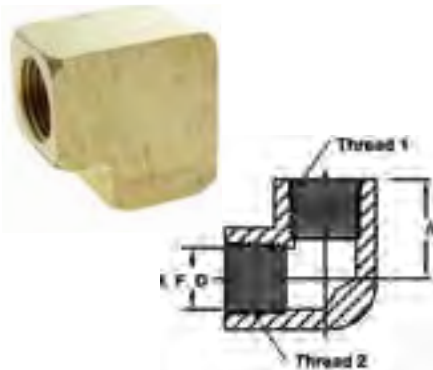


## Street Elbow

Male x Female Elbow

| Part Number | Thread 1        | Thread 2      | "A"   | "B"   | Inside Flow Diameter |
|-------------|-----------------|---------------|-------|-------|----------------------|
| STL01-01    | 1/8" Female NPT | 1/8" Male NPT | 0.66" | 0.48" | 0.22"                |
| STL02-02    | 1/4" Female NPT | 1/4" Male NPT | 0.91" | 0.72" | 0.34"                |
| STL03-03    | 3/8" Female NPT | 3/8" Male NPT | 0.97" | 0.78" | 0.41"                |
| STL04-04    | 1/2" Female NPT | 1/2" Male NPT | 1.25" | 1.03" | 0.56"                |
| STL06-06*   | 3/4" Female NPT | 3/4" Male NPT | 1.39" | 1.10" | 0.75"                |

\*Note: Non-Stock Item

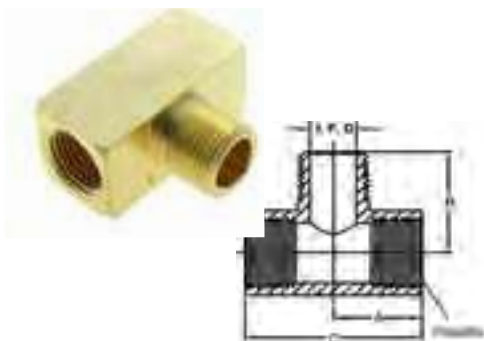


## Female Union Elbow

Female x Female Elbow

| Part Number | Thread 1        | Thread 2        | "A"   | Inside Flow Diameter |
|-------------|-----------------|-----------------|-------|----------------------|
| FL01-01     | 1/8" Female NPT | 1/8" Female NPT | 0.55" | 0.339"               |
| FL02-02     | 1/4" Female NPT | 1/4" Female NPT | 0.78" | 0.441"               |
| FL03-03     | 3/8" Female NPT | 3/8" Female NPT | 0.84" | 0.571"               |
| FL04-04     | 1/2" Female NPT | 1/2" Female NPT | 1.07" | 0.703"               |

\*Note: Non-Stock Item



## Male Branch Tee

Two Female and One Male Thread

| Part Number | Threads  | "A"   | "B"   | "C"    | Inside Flow Diameter |
|-------------|----------|-------|-------|--------|----------------------|
| FBT01-01    | 1/8" NPT | 0.53" | 0.66" | 1.060" | 0.220"               |
| FBT02-02    | 1/4" NPT | 0.76" | 0.91" | 1.520" | 0.314"               |
| FBT03-03    | 3/8" NPT | 0.84" | 0.97" | 1.680" | 0.440"               |
| FBT04-04    | 1/2" NPT | 1.09" | 1.25" | 1.180" | 0.564"               |
| FBT06-06*   | 3/4" NPT | 1.16" | 1.38" | 1.320" | 0.752"               |

\*Note: Non-Stock Item

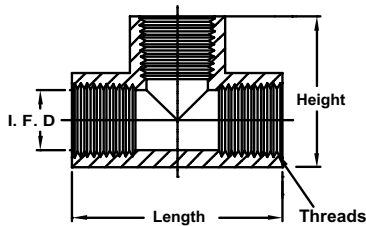
# Brass Fittings & Mufflers



## Union Tee

Three Female Threads

| Part Number | Threads         | Height | Length | Inside Flow Diameter |
|-------------|-----------------|--------|--------|----------------------|
| FT01-01     | 1/8" Female NPT | 0.53"  | 1.060" | 0.339"               |
| FT02-02     | 1/4" Female NPT | 0.76"  | 1.520" | 0.441"               |
| FT03-03     | 3/8" Female NPT | 0.84"  | 1.680" | 0.571"               |
| FT04-04     | 1/2" Female NPT | 1.07"  | 2.140" | 0.703"               |

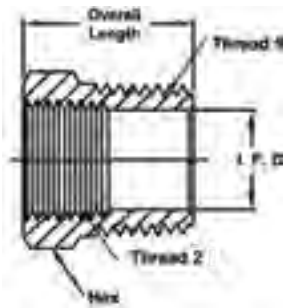


## Bushings

Male x Female Adapter used to transition a smaller male fitting into a larger female thread

| Part Number | Thread 1      | Thread 2        | Hex Size | Overall Length | Inside Flow Diameter |
|-------------|---------------|-----------------|----------|----------------|----------------------|
| BU02-01     | 1/4" Male NPT | 1/8" Female NPT | 9/16"    | 0.750"         | 0.339"               |
| BU03-01     | 3/8" Male NPT | 1/8" Female NPT | 11/16"   | 0.750"         | 0.339"               |
| BU03-02     |               | 1/4" Female NPT | 3/4"     | 0.750"         | 0.441"               |
| BU04-01     | 1/2" Male NPT | 1/8" Female NPT | 7/8"     | 1.000"         | 0.339"               |
| BU04-02     |               | 1/4" Female NPT | 7/8"     | 1.000"         | 0.441"               |
| BU04-03     |               | 3/8" Female NPT | 7/8"     | 1.000"         | 0.571"               |
| BU06-01*    | 3/4" Male NPT | 1/8" Female NPT | 1 1/8"   | 1.000"         | 0.339"               |
| BU06-02*    |               | 1/4" Female NPT | 1 1/8"   | 1.000"         | 0.441"               |
| BU06-03*    |               | 3/8" Female NPT | 1 1/8"   | 1.000"         | 0.571"               |
| BU06-04*    |               | 1/2" Female NPT | 1 1/8"   | 1.000"         | 0.703"               |
| BU08-04*    | 1" Male NPT   | 1/2" Female NPT | 1 3/8"   | 1.310"         | 0.703"               |
| BU08-06*    |               | 3/4" Female NPT | 1 3/8"   | 1.310"         | 0.906"               |

\*Note: Non-Stock Item

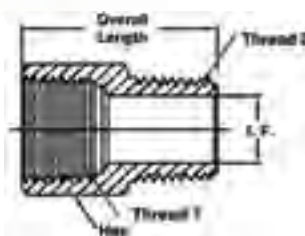


## Male x Female Connector

Male x Female Adapter used to extend a connection

| Part Number | Thread 1        | Thread 2      | Hex Size | Overall Length | Inside Flow Diameter |
|-------------|-----------------|---------------|----------|----------------|----------------------|
| MFC01-01    | 1/8" Female NPT | 1/8" Male NPT | 9/16"    | 0.880"         | 0.220"               |
| MFC02-02    | 1/4" Female NPT | 1/4" Male NPT | 3/4"     | 1.250"         | 0.314"               |
| MFC03-03    | 3/8" Female NPT | 3/8" Male NPT | 7/8"     | 1.250"         | 0.440"               |
| MFC04-04*   | 1/2" Female NPT | 1/2" Male NPT | 1 1/16"  | 1.660"         | 0.564"               |
| MFC06-06    | 3/4" Female NPT | 3/4" Male NPT | 1 3/8"   | 1.690"         | 0.752"               |

\*Note: Non-Stock Item



# Brass Fittings & Mufflers

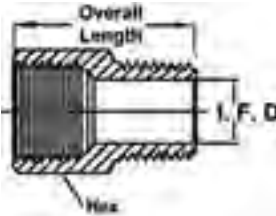


## Male x Female Reducing Connector

Male x Female Reducing Adapter

| Part Number | Thread 1        | Thread 2      | Hex Size | Overall Length | Inside Flow Diameter |
|-------------|-----------------|---------------|----------|----------------|----------------------|
| MFC02-01    | 1/4" Female NPT | 1/8" Male NPT | 3/4"     | 1.060"         | 0.220"               |
| MFC03-01    | 3/8" Female NPT | 1/8" Male NPT | 7/8"     | 1.100"         | 0.220"               |
| MFC03-02    |                 | 1/4" Male NPT |          | 1.250"         | 0.314"               |
| MCF04-02*   | 1/2" Female NPT | 1/4" Male NPT | 1"       | 1.470"         | 0.314"               |
| MFC04-03    |                 | 3/8" Male NPT | 1 1/16"  | 1.470"         | 0.440"               |
| MFC06-03*   | 3/4" Female NPT | 3/8" Male NPT | 1 3/8"   | 1.500"         | 0.440"               |
| MFC06-04*   |                 | 1/2" Male NPT |          | 1.690"         | 0.564"               |

\*Note: Non-Stock Item

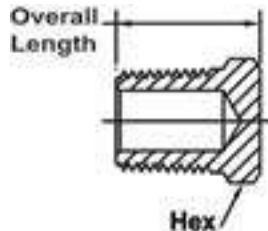


## Hex Head Plug

Male Threaded Pipe Plug with a Hex

| Part Number | Thread        | Hex Size | Overall Length |
|-------------|---------------|----------|----------------|
| HHP01       | 1/8" Male NPT | 7/16"    | 0.560"         |
| HHP02       | 1/4" Male NPT | 9/16"    | 0.747"         |
| HHP03       | 3/8" Male NPT | 11/16"   | 0.780"         |
| HHP04       | 1/2" Male NPT | 7/8"     | 0.970"         |
| HHP06*      | 3/4 Male NPT  | 1 1/16"  | 1.054"         |

\*Note: Non-Stock Item

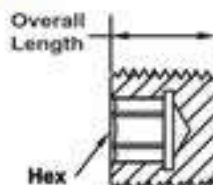


## Countersunk Hex Head Plug

Male Threaded Pipe Plug with an Internal Hex

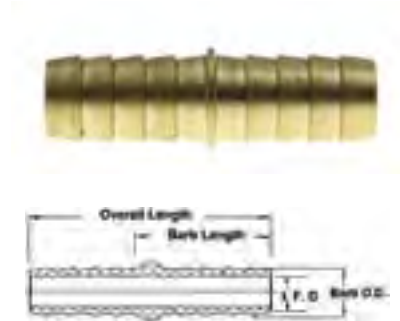
| Part Number | Thread        | Internal Hex Size | Overall Length |
|-------------|---------------|-------------------|----------------|
| RHP01       | 1/8" Male NPT | 3/16"             | 0.300"         |
| RHP02       | 1/4" Male NPT | 1/4"              | 0.460"         |
| RHP03       | 3/8" Male NPT | 5/16"             | 0.460"         |
| RHP04       | 1/2" Male NPT | 3/8"              | 0.610"         |
| RHP06*      | 3/4 Male NPT  | 9/16"             | 0.620"         |

\*Note: Non-Stock Item



# Brass Fittings & Mufflers

## Hose Mender



Barb x Barb Fitting allowing for Joining Hoses

| Part Number | Hose I.D. | Flange Diameter | Overall Length | Barb length | Barb O.D. | Inside Flow Diameter |
|-------------|-----------|-----------------|----------------|-------------|-----------|----------------------|
| HM14-00     | 1/4"      | 7/16"           | 2.00"          | 0.97"       | 0.290"    | 0.187"               |
| HM516-00    | 5/16"     | 9/16"           | 2.00"          | 0.97"       | 0.353"    | 0.250"               |
| HM38-00     | 3/8"      | 11/16"          | 2.00"          | 0.97"       | 0.415"    | 0.281"               |
| HM12-00     | 1/2"      | 7/8"            | 2.00"          | 0.97"       | 0.530"    | 0.375"               |
| HM34-00*    | 3/4"      | 1 1/16"         | 2.00"          | 0.97"       | 0.790"    | 0.562"               |

\*Note: Non-Stock Item

## Hose Barb



Male Pipe Thread x Hose Barb Connection

| Part Number | Hose I.D. | Threads       | Hex Size | Overall Length | Barb Length | Barb O.D. | Inside Flow Diameter |
|-------------|-----------|---------------|----------|----------------|-------------|-----------|----------------------|
| HBM14-01    | 1/4"      | 1/8" Male NPT | 7/16"    | 1.540"         | 0.97"       | 0.290"    | 0.187"               |
| HBM14-02    |           | 1/4" Male NPT | 9/16"    | 1.720"         |             |           |                      |
| HBM14-03    |           | 3/8" Male NPT | 11/16"   | 1.770"         |             |           |                      |
| HBM516-01*  | 5/16"     | 1/8" Male NPT | 7/16"    | 1.540"         | 0.97"       | 0.353"    | 0.250"               |
| HBM516-02*  |           | 1/4" Male NPT | 9/16"    | 1.720"         |             |           |                      |
| HBM516-03*  |           | 3/8" Male NPT | 11/16"   | 1.770"         |             |           |                      |
| HBM38-01    | 3/8"      | 1/8" Male NPT | 7/16"    | 1.540"         | 0.97"       | 0.415"    | 0.281"               |
| HBM38-02    |           | 1/4" Male NPT | 9/16"    | 1.720"         |             |           |                      |
| HBM38-03    |           | 3/8" Male NPT | 11/16"   | 1.770"         |             |           |                      |
| HBM38-04    |           | 1/2" Male NPT | 7/8"     | 1.970"         |             | 0.530"    | 0.375"               |
| HBM12-02    | 1/2"      | 1/4" Male NPT | 9/16"    | 1.720"         | 0.97"       | 0.530"    | 0.375"               |
| HBM12-03    |           | 3/8" Male NPT | 11/16"   | 1.770"         |             |           |                      |
| HBM12-04    |           | 1/2" Male NPT | 7/8"     | 1.970"         |             |           |                      |
| HBM12-06*   |           | 3/4" Male NPT | 1 1/16"  | 1.980"         |             |           |                      |
| HBM58-03*   | 5/8"      | 3/8" Male NPT | 11/16"   | 1.770"         | 0.97"       | 0.645"    | 0.468"               |
| HBM58-04*   |           | 1/2" Male NPT | 7/8"     | 1.970"         |             |           |                      |
| HBM58-06*   |           | 3/4" Male NPT | 1 1/16"  | 1.980"         |             |           |                      |
| HBM34-04*   | 3/4"      | 1/2" Male NPT | 7/8"     | 1.970"         | 0.97"       | 0.790"    | 0.562"               |
| HBM34-06*   |           | 3/4" Male NPT | 1 1/16"  | 1.980"         |             |           |                      |
| HBM1-06*    | 1"        | 3/4" Male NPT | 1 1/16"  | 2.180"         | 1.17"       | 1.020"    | 0.750"               |
| HBM1-08*    |           | 1" Male NPT   | 1 3/8"   | 2.360"         |             |           |                      |

\*Note: Non-Stock Item

# Brass Fittings & Mufflers

## Sintered Bronze Cone-Style Mufflers

Designed to thread into the exhaust port of air tools or other equipment, reducing noise



| Part Number | Thread         | Hex  | Length |
|-------------|----------------|------|--------|
| SBM01       | 1/8" Male NPT  | 12mm | 0.945" |
| SBM02       | 1/4" Male NPT  | 17mm | 1.181" |
| SBM03       | 3/8" Male NPT  | 18mm | 1.378" |
| SBM04       | 1/2" Male NPT  | 24mm | 1.732" |
| SBM-M5      | M5 x 0.8       | 8mm  | 20mm   |
| SBM01-PT    | 1/8" Male BSPT | 12mm | 24mm   |
| SBM02-PT    | 1/4" Male BSPT | 16mm | 30mm   |
| SBM03-PT    | 3/8" Male BSPT | 18mm | 35mm   |
| SBM04-PT    | 1/2" Male BSPT | 24mm | 44mm   |

## Brass Wire Mesh Mufflers

A low-profile unit designed to thread into the exhaust port of air tools or other equipment, reducing noise



| Part Number | Thread         | Hex  | Length |
|-------------|----------------|------|--------|
| BWM-01      | 1/8" Male NPT  | 12mm | 0.472" |
| BWM-02      | 1/4" Male NPT  | 17mm | 0.591" |
| BWM-03      | 3/8" Male NPT  | 18mm | 0.669" |
| BWM-04      | 1/2" Male NPT  | 24mm | 0.728" |
| BWM-M5      | M5 x 0.8       | 8mm  | 9.5mm  |
| BWM-01-PT   | 1/8" Male BSPT | 12mm | 12.0mm |
| BWM-02-PT   | 1/4" Male BSPT | 16mm | 15.0mm |
| BWM-03-PT   | 3/8" Male BSPT | 18mm | 17.0mm |
| BWM-04-PT   | 1/2" Male BSPT | 24mm | 18.5mm |

## Plastic/Felt Mufflers

A lightweight unit designed to thread into the exhaust port of air tools or other equipment, reducing noise



| Part Number | Thread         | Hex    | Length | Color  |
|-------------|----------------|--------|--------|--------|
| PFM01       | 1/8" Male NPT  | 0.551" | 1.299" | Blue   |
| PFM02       | 1/4" Male NPT  | 0.669" | 1.673" | Blue   |
| PFM03       | 3/8" Male NPT  | 0.886" | 2.146" | Blue   |
| PFM04       | 1/2" Male NPT  | 1.023" | 2.697" | Blue   |
| PFM02-PT    | 1/4" Male BSPT | 17mm   | 42.5mm | Yellow |
| PFM03-PT    | 3/8" Male BSPT | 22mm   | 54.5mm | Yellow |
| PFM04-PT    | 1/2" Male BSPT | 26mm   | 68.5mm | Yellow |

# Aluminum Manifolds

## Rectangle Manifolds

Rectangle Manifolds provide two supply ports and multiple branch circuits. This arrangement enables the manifold to be placed in the middle of an air supply, allowing air to flow through.

| Part Number | Inlet           | Outlet          | Number of Outlets | Length | Width | Height | Weight  |
|-------------|-----------------|-----------------|-------------------|--------|-------|--------|---------|
| MLA-3       | 1/2" Female NPT | 1/4" Female NPT | 3                 | 4.57"  | 1.57" | 1.57"  | 13.75oz |
| MLA-5       | 1/2" Female NPT | 1/4" Female NPT | 5                 | 7.50"  | 1.57" | 1.57"  | 21.90oz |



MLA-3



MLA-5

## Round Manifolds

Round Aluminum Manifolds feature a compact package, enabling multiple outlets to branch off a single inlet. The arrangement of the manifold provides a nearly in-line arrangement.

| Part Number | Inlet           | Outlet          | Number of Outlets | Length | Width | Height | Weight |
|-------------|-----------------|-----------------|-------------------|--------|-------|--------|--------|
| MYA-2       | 1/4" Female NPT | 1/4" Female NPT | 2                 | 1.55"  | 1.55" | 1.50"  | 2.50oz |
| MYA-3       | 1/4" Female NPT | 1/4" Female NPT | 3                 | 1.55"  | 1.55" | 1.50"  | 2.30oz |



MYA-2



MYA-3

## 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 |                       |
|-------|-----------------------|
| NFA   | Free-Angle® Fitting   |
| NFAB  | Free-Angle® Hose Barb |

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

| Thread Style |             |
|--------------|-------------|
| N            | NPT         |
| (Blank)      | BSPT        |
| G            | BSPP        |
| 1            | 1/8"        |
| 2            | 1/4"        |
| 3            | 3/8"        |
| 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.           |
|------------|------------------|-------|----------------|-------|----------------|----------------|
| 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) |

See Free-Angle® Plugs, Page 237

# “Free” Fittings

## Free-Elbow

### Free Elbow™

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



### FEN 2F - N2M

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

# Tubing & Hose Clamps



# Tubing & Hose Clamps

## General Information

Advanced Technology Products offers two lines of hose clamps, Oetiker® Ear Clamps, and Worm Drive 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.

Clamping Instructions are provided in the description of each category.

### 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                                                                      |
|                |  |  |  |  |  |

# Tubing & Hose Clamps

## Oetiker® 167 Group Stepless® Clamps



Offering uniform compression force, Stepless® Ear Clamps from Oetiker® are a great choice for creating strong connections.

- Conforms to ASTM F877/F2098
- Burr-free edges reduce damage to hoses being clamped
- Narrow width concentrates clamping force
- Suitable for Tubing or Hose
- Stainless Steel Construction

**Selection:** Measure the outside diameter (O.D.) of the hose to be clamped. Select a clamp with an average size range that is close to the hose's O.D. An optimal clamp size will allow the hose's O.D. to fall in the middle of the clamp's size range.

**Clamping Procedure:** After assembling the hose, use an Oetiker® ear clamping tool to compress the clamp's ear. The clamp's ear should be reduced in size by at least 40% to provide enough clamping force. If sized correctly, the clamp's ear should not close completely during compression.

**Note:** All Clamps sold in Bag Quantities of 100



### Warning

This product can expose you to chemicals including Nickel 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)

### 167 Series, 5mm Band Width

| Part Number | Range (mm)<br>Close - Open | Range (inch)<br>Close - Open | Ear Width<br>(Inside) | Band<br>Thickness | Band<br>Width |
|-------------|----------------------------|------------------------------|-----------------------|-------------------|---------------|
| 16702488    | 5.30 - 6.50                | 0.208 – 0.255                | 4mm                   | 0.5mm             | 5mm           |
| 16700001    | 5.80 - 7.00                | 0.225 - 0.276                |                       |                   |               |
| 16700002    | 6.90 - 8.00                | 0.267 - 0.315                |                       |                   |               |
| 16700003    | 7.00 - 8.70                | 0.276 - 0.342                | 5.5mm                 |                   |               |
| 16700004    | 7.80 - 9.50                | 0.307 - 0.374                |                       |                   |               |
| 16700005    | 8.30 - 10.0                | 0.326 - 0.393                |                       |                   |               |
| 16700006    | 8.80 - 10.5                | 0.346 - 0.413                |                       |                   |               |
| 16702492    | 9.20 - 10.9                | 0.362 - 0.429                |                       |                   |               |
| 16700007    | 9.60 - 11.3                | 0.377 - 0.444                |                       |                   |               |
| 16700008    | 10.1 - 11.8                | 0.397 - 0.464                |                       |                   |               |

# Tubing & Hose Clamps



## 167 Series, 7mm Band Width

| Part Number | Range (mm)<br>Close - Open | Range (inch)<br>Close - Open | Ear Width<br>(Inside) | Band<br>Thickness | Band<br>Width |
|-------------|----------------------------|------------------------------|-----------------------|-------------------|---------------|
| 16702951    | 9.40 - 11.9                | 0.37 - 0.46                  | 8mm                   | 0.6mm             | 7mm           |
| 16700009    | 9.80 - 12.3                | 0.38 - 0.48                  |                       |                   |               |
| 16702493    | 10.3 - 12.8                | 0.40 - 0.50                  |                       |                   |               |
| 16700010    | 10.8 - 13.3                | 0.42 - 0.52                  |                       |                   |               |
| 16700011    | 11.3 - 13.8                | 0.44 - 0.54                  |                       |                   |               |
| 16700012    | 11.5 - 14.0                | 0.45 - 0.55                  |                       |                   |               |
| 16702864    | 11.7 - 14.2                | 0.46 - 0.55                  |                       |                   |               |
| 16700013    | 12.0 - 14.5                | 0.47 - 0.57                  |                       |                   |               |
| 16700014    | 12.3 - 14.8                | 0.48 - 0.58                  |                       |                   |               |
| 16700015    | 12.8 - 15.3                | 0.50 - 0.60                  |                       |                   |               |
| 16700016    | 13.2 - 15.7                | 0.51 - 0.61                  |                       |                   |               |
| 16702998    | 13.5 - 16.0                | 0.53 - 0.62                  |                       |                   |               |
| 16702494    | 13.7 - 16.2                | 0.53 - 0.63                  |                       |                   |               |
| 16702495    | 14.1 - 16.6                | 0.55 - 0.65                  |                       |                   |               |
| 16702496    | 14.3 - 16.8                | 0.56 - 0.66                  |                       |                   |               |
| 16700017    | 14.5 - 17.0                | 0.57 - 0.66                  | 10mm                  |                   |               |
| 16702497    | 15.0 - 17.5                | 0.59 - 0.68                  |                       |                   |               |
| 16700018    | 14.6 - 17.8                | 0.58 - 0.70                  |                       |                   |               |
| 16700019    | 14.8 - 18.0                | 0.58 - 0.70                  |                       |                   |               |
| 16700020    | 15.3 - 18.5                | 0.60 - 0.72                  |                       |                   |               |
| 16700110    | 16.0 - 19.2                | 0.62 - 0.75                  |                       |                   |               |
| 16702498    | 16.6 - 19.8                | 0.65 - 0.77                  |                       |                   |               |
| 16700024    | 17.8 - 21.0                | 0.70 - 0.82                  |                       |                   |               |
| 16700026    | 19.4 - 22.6                | 0.76 - 0.88                  |                       |                   |               |
| 16700028    | 20.3 - 23.5                | 0.79 - 0.93                  |                       |                   |               |
| 16700029    | 20.9 - 24.1                | 0.82 - 0.94                  |                       |                   |               |
| 16700031    | 22.4 - 25.6                | 0.88 - 1.00                  |                       |                   |               |
| 16700033    | 23.9 - 27.1                | 0.94 - 1.06                  |                       |                   |               |
| 16700035    | 25.4 - 28.6                | 1.00 - 1.12                  |                       |                   |               |
| 16700047    | 26.9 - 30.1                | 1.05 - 1.18                  |                       |                   |               |
| 16700039    | 27.6 - 30.8                | 1.08 - 1.21                  |                       |                   |               |
| 16700040    | 28.4 - 31.6                | 1.11 – 1.24                  |                       |                   |               |
| 16700042    | 29.9 - 31.6                | 1.17 – 1.24                  |                       |                   |               |
| 16700044    | 31.4 - 34.6                | 1.23 – 1.36                  |                       |                   |               |
| 16700046    | 32.9 - 36.1                | 1.29 - 1.42                  |                       |                   |               |
| 16700048    | 34.4 - 37.6                | 1.35 - 1.48                  |                       |                   |               |
| 16700050    | 34.9 - 38.1                | 1.37 - 1.50                  |                       |                   |               |
| 16700052    | 36.4 - 39.6                | 1.43 - 1.55                  |                       |                   |               |
| 16700053    | 37.8 - 41.0                | 1.48 - 1.61                  |                       |                   |               |
| 16700054    | 39.3 - 42.5                | 1.54 - 1.67                  |                       |                   |               |
| 16700055    | 40.8 - 44.0                | 1.60 - 1.73                  |                       |                   |               |

### Warning

This product can expose you to chemicals including Nickel 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)

# Tubing & Hose Clamps



**167 Series, 7mm Band Width (continued)**

| Part Number | Range (mm)<br>Close - Open | Range (inch)<br>Close - Open | Ear Width<br>(Inside) | Band<br>Thickness | Band<br>Width |
|-------------|----------------------------|------------------------------|-----------------------|-------------------|---------------|
| 16700056    | 42.3 - 45.5                | 1.66 - 1.79                  | 10mm                  | 0.6mm             | 7mm           |
| 16700057    | 43.8 - 47.0                | 1.72 - 1.85                  |                       |                   |               |
| 16700058    | 45.3 - 48.5                | 1.78 - 1.90                  |                       |                   |               |
| 16700059    | 46.8 - 50.0                | 1.84 - 1.96                  |                       |                   |               |
| 16700060    | 48.3 - 51.5                | 1.90 - 2.02                  |                       |                   |               |
| 16700061    | 49.8 - 53.0                | 1.96 - 2.08                  |                       |                   |               |
| 16700062    | 51.3 - 54.5                | 2.01 - 2.14                  |                       |                   |               |
| 16700063    | 52.8 - 56.0                | 2.07 - 2.20                  |                       |                   |               |
| 16700064    | 54.3 - 57.5                | 2.13 - 2.26                  |                       |                   |               |
| 16700065    | 55.8 - 59.0                | 2.19 - 2.32                  |                       |                   |               |
| 16700066    | 57.3 - 60.5                | 2.25 - 2.38                  |                       |                   |               |
| 16700067    | 58.8 - 62.0                | 2.31 - 2.44                  |                       |                   |               |
| 16700068    | 60.3 - 53.5                | 2.37 - 2.10                  |                       |                   |               |
| 16700069    | 61.8 - 65.0                | 2.43 - 2.55                  |                       |                   |               |
| 16700070    | 63.3 - 66.5                | 2.49 - 2.61                  |                       |                   |               |
| 16700071    | 64.8 - 68.0                | 2.55 - 2.67                  |                       |                   |               |
| 16700072    | 66.3 - 69.5                | 2.61 - 2.73                  |                       |                   |               |
| 16700073    | 67.8 - 71.0                | 2.66 - 2.79                  |                       |                   |               |
| 16700074    | 69.3 - 72.5                | 2.72 - 2.85                  |                       |                   |               |
| 16700075    | 70.8 - 74.0                | 2.78 - 2.91                  |                       |                   |               |
| 16700076    | 72.3 - 75.5                | 2.84 - 2.97                  |                       |                   |               |
| 16700077    | 73.8 - 77.0                | 2.90 - 3.03                  |                       |                   |               |
| 16700078    | 75.3 - 78.5                | 2.96 - 3.09                  |                       |                   |               |
| 16700079    | 76.8 - 80.0                | 3.02 - 3.14                  |                       |                   |               |
| 16700080    | 78.3 - 81.5                | 3.08 - 3.20                  |                       |                   |               |
| 16700081    | 79.8 - 83.0                | 3.14 - 3.26                  |                       |                   |               |
| 16700082    | 81.3 - 84.5                | 3.20 - 3.32                  |                       |                   |               |
| 16700083    | 82.8 - 86.0                | 3.24 - 3.38                  |                       |                   |               |
| 16700084    | 84.3 - 87.5                | 3.31 - 3.44                  |                       |                   |               |
| 16700085    | 85.8 - 89.0                | 3.37 - 3.50                  |                       |                   |               |
| 16700086    | 87.3 - 90.5                | 3.44 - 3.56                  |                       |                   |               |
| 16700087    | 88.8 - 92.0                | 3.49 - 3.62                  |                       |                   |               |
| 16700088    | 90.3 - 93.5                | 3.55 - 3.68                  |                       |                   |               |
| 16700089    | 91.8 - 95.0                | 3.61 - 3.74                  |                       |                   |               |
| 16700090    | 93.3 - 96.5                | 3.67 - 3.79                  |                       |                   |               |
| 16700091    | 94.8 - 98.0                | 3.73 - 3.85                  |                       |                   |               |
| 16700092    | 96.3 - 99.5                | 3.79 - 3.97                  |                       |                   |               |
| 16700093    | 97.8 - 101.0               | 3.85 - 3.97                  |                       |                   |               |
| 16700094    | 99.3 - 102.5               | 3.90 - 4.03                  |                       |                   |               |
| 16700095    | 100.8 - 104.0              | 3.96 - 4.09                  |                       |                   |               |
| 16700096    | 102.3 - 105.5              | 4.03 - 4.15                  |                       |                   |               |



## Warning

This product can expose you to chemicals including Nickel 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)

# Tubing & Hose Clamps



**167 Series, 9mm Band Width**

| Part Number | Range (mm)<br>Close - Open | Range (inch)<br>Close - Open | Ear Width<br>(Inside) | Band<br>Thickness | Band<br>Width |
|-------------|----------------------------|------------------------------|-----------------------|-------------------|---------------|
| 16700097    | 103.8 - 107.0              | 4.08 - 4.21                  | 10mm                  | 0.6mm             | 7mm           |
| 16700098    | 105.3 - 108.5              | 4.14 - 4.27                  |                       |                   |               |
| 16700099    | 106.8 - 110.0              | 4.20 - 4.33                  |                       |                   |               |
| 16700100    | 108.3 - 111.5              | 4.26 - 4.38                  |                       |                   |               |
| 16700101    | 109.8 - 113.0              | 4.32 - 4.44                  |                       |                   |               |
| 16700102    | 111.3 - 114.5              | 4.38 - 4.50                  |                       |                   |               |
| 16700103    | 112.8 - 116.0              | 4.44 - 4.56                  |                       |                   |               |
| 16700104    | 114.3 - 117.5              | 4.50 - 4.62                  |                       |                   |               |
| 16700105    | 115.8 - 119.0              | 4.55 - 4.68                  |                       |                   |               |
| 16700106    | 117.3 - 120.5              | 4.61 - 4.74                  |                       |                   |               |
| 16706383    | 17.80 - 21.00              | 0.70 - 0.82                  |                       |                   | 9mm           |
| 16707693    | 19.40 - 22.60              | 0.76 - 0.88                  |                       |                   |               |
| 16707694    | 20.30 - 23.50              | 0.79 - 0.92                  |                       |                   |               |
| 16707695    | 20.90 - 24.10              | 0.82 - 0.94                  |                       |                   |               |
| 16707696    | 22.40 - 25.60              | 0.88 - 1.00                  |                       |                   |               |
| 16707533    | 23.90 - 27.10              | 0.94 - 1.06                  |                       |                   |               |
| 16707697    | 25.40 - 28.60              | 1.00 - 1.12                  |                       |                   |               |
| 16707698    | 26.90 - 30.10              | 1.05 - 1.18                  |                       |                   |               |
| 16707517    | 27.60 - 30.80              | 1.07 - 1.21                  |                       |                   |               |
| 16707488    | 28.40 - 31.60              | 1.11 - 1.24                  |                       |                   |               |
| 16703913    | 29.90 - 33.10              | 1.17 - 1.30                  |                       |                   |               |
| 16707641    | 31.40 - 34.60              | 1.23 - 1.36                  |                       |                   |               |
| 16704715    | 32.90 - 38.10              | 1.29 - 1.50                  |                       |                   |               |
| 16707494    | 34.40 - 37.60              | 1.35 - 1.48                  |                       |                   |               |
| 16707645    | 34.90 - 38.10              | 1.37 - 1.50                  |                       |                   |               |
| 16707306    | 36.40 - 39.60              | 1.43 - 1.55                  |                       |                   |               |
| 16707300    | 37.80 - 41.00              | 1.48 - 1.61                  |                       |                   |               |
| 16703914    | 39.30 - 42.50              | 1.54 - 1.67                  |                       |                   |               |
| 16707301    | 40.80 - 44.00              | 1.60 - 1.73                  |                       |                   |               |
| 16704719    | 42.30 - 45.50              | 1.66 - 1.79                  |                       |                   |               |
| 16707536    | 43.80 - 47.00              | 1.72 - 1.85                  |                       |                   |               |
| 16707479    | 45.30 - 48.50              | 1.77 - 1.90                  |                       |                   |               |
| 16707304    | 46.80 - 50.00              | 1.84 - 1.96                  |                       |                   |               |
| 16707480    | 48.30 - 51.50              | 1.90 - 2.02                  |                       |                   |               |
| 16707537    | 49.80 - 53.00              | 1.96 - 2.08                  |                       |                   |               |
| 16707477    | 51.30 - 54.50              | 2.01 - 2.14                  |                       |                   |               |
| 16707700    | 52.80 - 56.00              | 2.07 - 2.20                  |                       |                   |               |
| 16707701    | 54.30 - 57.50              | 2.13 - 2.26                  |                       |                   |               |
| 16707540    | 55.80 - 59.00              | 2.19 - 2.32                  |                       |                   |               |
| 16707372    | 57.30 - 60.50              | 2.25 - 2.38                  |                       |                   |               |
| 16707702    | 58.50 - 62.00              | 2.30 - 2.44                  |                       |                   |               |



## Warning

This product can expose you to chemicals including Nickel 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)

# Tubing & Hose Clamps

## 167 Series, 9mm Band Width (Continued)



| Part Number | Range (mm)<br>Close - Open | Range (inch)<br>Close - Open | Ear Width<br>(Inside) | Band<br>Thickness | Band<br>Width |
|-------------|----------------------------|------------------------------|-----------------------|-------------------|---------------|
| 16707703    | 60.30 – 63.50              | 2.37 – 2.50                  | 10mm                  | 0.6mm             | 9mm           |
| 16707518    | 61.80 – 65.00              | 2.43 – 2.55                  |                       |                   |               |
| 16707542    | 63.30 – 66.50              | 2.51 – 2.61                  |                       |                   |               |
| 16707357    | 64.80 – 68.00              | 2.55 – 2.67                  |                       |                   |               |
| 16707688    | 66.30 – 69.50              | 2.61 – 2.73                  |                       |                   |               |
| 16707041    | 67.80 – 71.00              | 2.66 – 2.79                  |                       |                   |               |
| 16707704    | 69.30 – 72.50              | 2.72 – 3.85                  |                       |                   |               |
| 16707705    | 70.80 – 74.00              | 2.78 – 2.91                  |                       |                   |               |
| 16707404    | 72.30 – 75.50              | 2.84 – 2.97                  |                       |                   |               |
| 16703915    | 73.80 – 77.00              | 2.90 – 3.03                  |                       |                   |               |
| 16703766    | 75.30 – 75.50              | 2.96 – 2.97                  |                       |                   |               |
| 16707405    | 76.80 – 80.00              | 3.02 – 3.14                  |                       |                   |               |
| 16707543    | 78.30 – 81.50              | 3.08 – 3.20                  |                       |                   |               |
| 16707545    | 78.90 – 83.00              | 3.10 – 3.26                  |                       |                   |               |
| 16707706    | 81.30 – 84.50              | 3.20 – 3.32                  |                       |                   |               |
| 16707707    | 82.80 – 86.00              | 3.25 – 3.38                  |                       |                   |               |
| 16707708    | 84.30 – 87.50              | 3.31 – 3.44                  |                       |                   |               |
| 16707384    | 85.80 – 89.00              | 3.37 – 3.50                  |                       |                   |               |
| 16707710    | 87.30 – 90.50              | 3.43 – 3.56                  |                       |                   |               |
| 16707547    | 88.80 – 92.00              | 3.49 – 3.62                  |                       |                   |               |
| 16707325    | 90.30 – 93.50              | 3.55 – 3.68                  |                       |                   |               |
| 16703916    | 91.80 – 95.00              | 3.61 – 3.74                  |                       |                   |               |
| 16707548    | 93.30 – 96.50              | 3.67 – 3.79                  |                       |                   |               |
| 16707242    | 94.80 – 98.00              | 3.73 – 3.85                  |                       |                   |               |
| 16707711    | 96.30 – 99.50              | 3.79 – 3.91                  |                       |                   |               |
| 16707713    | 97.80 – 101.00             | 3.85 – 3.97                  |                       |                   |               |
| 16707714    | 99.30 – 102.50             | 3.90 – 4.03                  |                       |                   |               |
| 16707385    | 100.80 – 104.00            | 3.96 – 4.09                  |                       |                   |               |
| 16703918    | 102.30 – 105.50            | 4.02 – 4.15                  |                       |                   |               |
| 16707715    | 103.80 – 107.00            | 4.08 – 4.21                  |                       |                   |               |
| 16706709    | 105.30 – 108.50            | 4.14 – 4.27                  |                       |                   |               |
| 16707716    | 106.80 – 110.00            | 4.20 – 4.33                  |                       |                   |               |
| 16707717    | 108.30 – 111.50            | 4.26 – 4.38                  |                       |                   |               |
| 16707718    | 109.80 – 113.00            | 4.32 – 4.44                  |                       |                   |               |
| 16707719    | 111.30 – 114.50            | 4.38 – 4.50                  |                       |                   |               |
| 16707178    | 112.80 – 116.00            | 4.44 – 4.56                  |                       |                   |               |
| 16707179    | 114.30 – 117.50            | 4.50 – 4.62                  |                       |                   |               |
| 16707720    | 115.80 – 119.00            | 4.55 – 4.68                  |                       |                   |               |
| 16707276    | 117.30 – 120.50            | 4.61 – 4.74                  |                       |                   |               |



### Warning

This product can expose you to chemicals including Nickel 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)

# Tubing & Hose Clamps

## Oetiker® 101 Group Double Ear Clamps



Double Ear Clamps offer a wider clamping range as well as elastic properties. The 101 Group's elastic properties enable consistent clamping force in environments with high vibration and large temperature shifts.

- Burr-free edges reduce damage to hoses being clamped
- Narrow width concentrates clamping force
- Suitable for Tubing or Hose
- Composed of Zinc-Plated Steel

**Selection:** Measure the outside diameter (O.D.) of the hose to be clamped. Select a clamp with an average size range that is close to the hose's O.D. An optimal clamp size will allow the hose's O.D. to fall in the middle of the clamp's size range.

**Clamping Procedure:** After assembling the hose, use an Oetiker® ear clamping tool to compress the clamp's first ear, followed by clamping the second. The clamp's ears should be reduced in size by at least 40% to provide enough clamping force. If sized correctly, the clamp's ears should not close completely during compression

**Note:** All Clamps sold in Bag Quantities of 100

### 101 Series

| Part Number | Range (mm)<br>Close - Open | Range (inch)<br>Close - Open | Ear Width<br>(Inside) | Band<br>Thickness | Band<br>Width |
|-------------|----------------------------|------------------------------|-----------------------|-------------------|---------------|
| 10100000    | 3.10 – 4.10                | 0.12 – 0.16                  | N/A                   | 0.5mm             | 3.5mm         |
| 10100001    | 3.50 – 4.50                | 0.13 – 0.17                  |                       | 0.6mm             |               |
| 10100002    | 3.40 – 5.00                | 0.13 – 0.19                  |                       | 0.7mm             | 5mm           |
| 10100004    | 5.00 – 7.00                | 0.19 – 0.27                  |                       |                   | 6mm           |
| 10100008    | 7.00 – 9.00                | 0.27 – 0.35                  |                       | 1.0mm             | 7mm           |
| 10100011    | 8.00 – 11.00               | 0.31 – 0.43                  |                       |                   |               |
| 10100016    | 11.00 – 13.00              | 0.43 – 0.51                  |                       |                   |               |
| 10100019    | 12.50 – 15.00              | 0.49 – 0.59                  |                       |                   |               |
| 10100022    | 14.00 – 17.00              | 0.55 – 0.66                  |                       | 1.2mm             | 8mm           |
| 10100024    | 15.00 – 18.00              | 0.59 – 0.70                  |                       |                   | 8.5mm         |
| 10100027    | 16.00 – 20.00              | 0.62 – 0.78                  |                       | 1.5mm             | 9mm           |
| 10100029    | 18.00 – 22.00              | 0.70 – 0.86                  |                       |                   | 10mm          |
| 10100030    | 19.00 – 23.00              | 0.74 – 0.90                  |                       |                   |               |
| 10100032    | 21.00 – 25.00              | 0.82 – 0.98                  |                       |                   |               |
| 10100034    | 22.50 – 27.00              | 0.88 – 1.06                  |                       |                   |               |
| 10100035    | 24.00 – 28.00              | 0.94 – 1.10                  |                       |                   |               |
| 10100037    | 26.30 – 31.00              | 1.03 – 1.22                  |                       |                   |               |
| 10100041    | 29.30 – 34.00              | 1.15 – 1.33                  |                       |                   |               |
| 10100043    | 32.00 – 37.00              | 1.25 – 1.45                  |                       |                   |               |
| 10100045    | 35.00 – 40.00              | 1.37 – 1.57                  |                       |                   |               |
| 10100047    | 37.60 – 43.00              | 1.48 – 1.69                  |                       |                   |               |
| 10100049    | 40.60 – 46.00              | 1.59 – 1.81                  |                       |                   |               |

# Tubing & Hose Clamps

## Oetiker® 155 Group Single Ear Clamps with Mechanical Interlock



These single ear clamps provide a mechanical interlock, rather than a standard spot weld. This mechanical interlock further enhances durability and corrosion resistance.

- Burr-free edges reduce damage to hoses being clamped
- Suitable for Tubing or Hose
- Stainless Steel Construction

### 155 Series

| Part Number | Range (mm)<br>Close - Open | Range (inch)<br>Close - Open | Ear Width<br>(Inside) | Band<br>Thickness | Band<br>Width |
|-------------|----------------------------|------------------------------|-----------------------|-------------------|---------------|
| 15500000    | 8.90 – 10.50               | 0.35 – 0.41                  | 5.0mm                 | 0.6mm             | 7mm           |
| 15500001    | 9.70 – 11.30               | 0.38 – 0.44                  |                       |                   |               |
| 15500002    | 10.40 – 12.30              | 0.41 – 0.48                  | 6.0mm                 |                   |               |
| 15500003    | 11.40 – 13.30              | 0.44 – 0.52                  |                       |                   |               |
| 15500004    | 11.50 – 13.50              | 0.45 – 0.53                  | 6.5mm                 |                   |               |
| 15500005    | 11.90 – 13.80              | 0.47 – 0.54                  | 6.0mm                 |                   |               |
| 15500006    | 11.90 – 14.00              | 0.47 – 0.55                  | 6.5mm                 |                   |               |
| 15500007    | 12.60 – 14.50              | 0.50 – 0.57                  | 6.0mm                 |                   |               |
| 15500008    | 13.50 – 15.70              | 0.53 – 0.62                  | 7.0mm                 |                   |               |
| 15500009    | 15.10 - 17.00              | 0.59 – 0.67                  | 6.0mm                 |                   |               |
| 15500010    | 15.70 – 18.50              | 0.62 - 0.73                  | 9.0mm                 |                   |               |
| 15500011    | 17.00 – 19.80              | 0.66 – 0.78                  |                       |                   |               |
| 15500012    | 18.20 – 21.00              | 0.72 – 0.83                  |                       |                   |               |
| 15500013    | 19.80 – 22.60              | 0.78 – 0.89                  |                       |                   |               |
| 15500014    | 21.30 – 24.10              | 0.84 – 0.95                  |                       |                   |               |
| 15500015    | 22.80 – 25.60              | 0.90 – 1.01                  | 10mm                  |                   |               |
| 15500016    | 24.00 – 27.10              | 0.94 – 1.07                  |                       |                   |               |
| 15500017    | 25.50 – 28.60              | 1.00 – 1.26                  |                       |                   |               |
| 15500018    | 27.00 – 30.10              | 1.06 – 1.19                  |                       |                   |               |
| 15500019    | 28.50 – 31.60              | 1.12 – 1.24                  |                       |                   |               |
| 15500020    | 30.00 – 33.10              | 1.18 – 1.43                  |                       |                   |               |
| 15500021    | 31.50 – 34.60              | 1.24 – 1.36                  |                       |                   |               |
| 15500022    | 33.00 – 36.10              | 1.30 – 1.42                  |                       |                   |               |
| 15500023    | 34.50 – 37.60              | 1.36 – 1.48                  |                       |                   |               |
| 15500024    | 35.00 – 38.10              | 1.38 – 1.50                  |                       |                   |               |
| 15500025    | 36.50 – 39.60              | 1.44 – 1.60                  |                       |                   |               |
| 15500026    | 37.90 – 41.00              | 1.49 – 1.61                  |                       |                   |               |
| 15500027    | 39.40 – 42.50              | 1.55 – 1.67                  |                       |                   |               |
| 15500028    | 40.90 – 44.00              | 1.61 – 1.73                  |                       |                   |               |
| 15500029    | 42.40 – 45.50              | 1.67 – 1.79                  |                       |                   |               |
| 15500030    | 43.90 – 47.00              | 1.73 – 1.85                  |                       |                   |               |
| 15500031    | 45.40 – 48.50              | 1.79 – 1.91                  |                       |                   |               |
| 15500032    | 46.90 – 50.00              | 1.85 – 1.97                  |                       |                   |               |

**Selection:** Measure the outside diameter (O.D.) of the hose to be clamped. Select a clamp with an average size range that is close to the hose's O.D. An optimal clamp size will allow the hose's O.D. to fall in the middle of the clamp's size range.

**Clamping Procedure:** After assembling the hose, use an Oetiker® ear clamping tool to compress the clamp's ear. The clamp's ear should be reduced in size by at least 40% to provide enough clamping force. If sized correctly, the clamp's ear should not close completely during compression.

**Note:** All clamps sold in bag quantities of 100

### Warning

This product can expose you to chemicals including Nickel 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)

# Tubing & Hose Clamps



## 155 Series (Continued)

| Part Number | Range (mm)<br>Close - Open | Range (inch)<br>Close - Open | Ear Width<br>(Inside) | Band<br>Thickness | Band<br>Width |
|-------------|----------------------------|------------------------------|-----------------------|-------------------|---------------|
| 15500033    | 48.40 – 51.50              | 1.91 – 2.03                  | 10mm                  | 0.6mm             | 7mm           |
| 15500034    | 49.90 – 53.00              | 1.96 – 2.09                  |                       |                   |               |
| 15500035    | 51.40 – 54.50              | 2.02 – 2.15                  |                       |                   |               |
| 15500036    | 52.90 – 56.00              | 2.08 – 2.02                  |                       |                   |               |
| 15500037    | 54.40 – 57.50              | 2.14 – 2.26                  |                       |                   |               |
| 15500038    | 55.90 – 59.00              | 2.20 – 2.32                  |                       |                   |               |
| 15500039    | 57.40 – 60.50              | 2.26 – 2.38                  |                       |                   |               |
| 15500040    | 58.90 – 62.00              | 2.32 – 2.44                  |                       |                   |               |
| 15500041    | 60.40 – 63.50              | 2.38 – 2.50                  |                       |                   |               |
| 15500042    | 61.90 – 65.00              | 2.44 – 2.56                  |                       |                   |               |
| 15500043    | 63.40 – 66.50              | 2.49 – 2.61                  |                       |                   |               |
| 15500044    | 64.90 – 68.00              | 2.55 – 2.67                  |                       |                   |               |
| 15500045    | 66.40 – 69.50              | 2.61 – 2.73                  |                       |                   |               |
| 15500046    | 67.90 – 71.00              | 2.67 – 2.79                  |                       |                   |               |
| 15500047    | 69.40 – 72.50              | 2.73 – 2.85                  |                       |                   |               |
| 15500048    | 70.90 – 74.00              | 2.79 – 2.91                  |                       |                   |               |
| 15500049    | 72.40 – 75.50              | 2.85 – 2.95                  |                       |                   |               |
| 15500050    | 73.90 – 77.00              | 2.90 – 3.03                  |                       |                   |               |
| 15500051    | 75.40 – 78.50              | 2.96 – 3.09                  |                       |                   |               |
| 15500052    | 76.90 – 80.00              | 3.01 – 3.14                  |                       |                   |               |
| 15500053    | 78.40 – 81.50              | 3.08 – 3.20                  |                       |                   |               |
| 15500054    | 79.90 – 83.00              | 3.14 – 3.26                  |                       |                   |               |
| 15500055    | 81.40 – 84.50              | 3.20 – 3.32                  |                       |                   |               |
| 15500056    | 82.90 – 86.00              | 3.26 – 3.38                  |                       |                   |               |
| 15500057    | 84.40 – 87.50              | 3.32 – 3.44                  |                       |                   |               |
| 15500058    | 85.90 – 89.00              | 3.38 – 3.50                  |                       |                   |               |
| 15500059    | 87.40 – 90.50              | 3.44 – 3.56                  |                       |                   |               |
| 15500060    | 88.90 – 92.00              | 3.50 – 3.62                  |                       |                   |               |
| 15500061    | 90.40 – 93.50              | 3.55 – 3.68                  |                       |                   |               |
| 15500062    | 91.90 – 95.00              | 3.61 – 3.74                  |                       |                   |               |
| 15500063    | 93.40 – 96.50              | 3.67 – 3.79                  |                       |                   |               |
| 15500064    | 94.90 – 98.00              | 3.73 – 3.85                  |                       |                   |               |
| 15500065    | 96.40 – 99.50              | 3.79 – 3.91                  |                       |                   |               |
| 15500066    | 97.90 – 101.00             | 3.85 – 3.97                  |                       |                   |               |
| 15500067    | 99.40 – 102.50             | 3.91 – 4.03                  |                       |                   |               |
| 15500101    | 100.90 – 104.00            | 3.97 – 4.09                  |                       |                   |               |
| 15500068    | 102.40 – 105.50            | 4.03 – 4.15                  |                       |                   |               |
| 15500102    | 103.90 – 107.00            | 4.09 – 4.21                  |                       |                   |               |
| 15500103    | 105.40 – 108.50            | 4.14 – 4.27                  |                       |                   |               |
| 15500104    | 106.90 – 110.00            | 4.20 – 4.33                  |                       |                   |               |
| 15500105    | 108.40 – 111.50            | 4.26 – 4.38                  |                       |                   |               |
| 15500106    | 109.90 – 113.00            | 4.32 – 4.44                  |                       |                   |               |
| 15500107    | 111.40 – 114.50            | 4.39 – 4.50                  |                       |                   |               |
| 15500069    | 112.90 – 116.00            | 4.44 – 4.56                  |                       |                   |               |



### Warning

This product can expose you to chemicals including Nickel 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)

# Tubing & Hose Clamps

## Oetiker® 151 Group Stainless Steel Double Ear Clamps



Double Ear Clamps offer a wider clamping range as well as elastic properties. The 151 Group's elastic properties enable consistent clamping force in environments with high vibration and large temperature shifts.

- Burr-free edges reduce damage to hoses being clamped
- Narrow width concentrates clamping force
- Suitable for Tubing or Hose
- Composed of Stainless Steel

**Selection:** Measure the outside diameter (O.D.) of the hose to be clamped. Select a clamp with an average size range that is close to the hose's O.D. An optimal clamp size will allow the hose's O.D. to fall in the middle of the clamp's size range.

**Clamping Procedure:** After assembling the hose, use an Oetiker® ear clamping tool to compress the clamp's first ear, followed by clamping the second. The clamp's ears should be reduced in size by at least 40% to provide enough clamping force. If sized correctly, the clamp's ears should not close completely during compression.

**Note:** All Clamps sold in Bag Quantities of 100



### Warning

This product can expose you to chemicals including Nickel 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)

### 151 Series

| Part Number | Range (mm)<br>Close - Open | Range (inch)<br>Close - Open | Ear Width<br>(Inside) | Band<br>Thickness | Band<br>Width |
|-------------|----------------------------|------------------------------|-----------------------|-------------------|---------------|
| 15100000    | 3.10 – 4.10                | 0.12 – 0.18                  | N/A                   | 0.5mm             | 3.5mm         |
| 15100001    | 3.50 – 4.50                | 0.13 – 0.17                  |                       | 0.6mm             |               |
| 15100002    | 3.40 – 5.00                | 0.13 – 0.19                  |                       | 0.7mm             | 5mm           |
| 15100003    | 5.00 – 7.00                | 0.19 – 0.27                  |                       |                   | 6mm           |
| 15100004    | 7.00 – 9.00                | 0.27 – 0.35                  |                       | 1.0mm             | 7mm           |
| 15100006    | 11.00 – 13.00              | 0.43 – 0.51                  |                       |                   |               |
| 15100007    | 12.50 – 15.00              | 0.49 – 0.59                  |                       | 1.2mm             | 8mm           |
| 15100008    | 14.00 – 17.00              | 0.55 – 0.66                  |                       |                   |               |
| 15100009    | 15.00 – 18.00              | 0.59 – 0.70                  |                       |                   | 8.5mm         |
| 15100010    | 16.20 – 20.00              | 0.63 – 0.78                  |                       | 1.5mm             | 9mm           |
| 15100011    | 18.10 – 22.00              | 0.71 – 0.86                  |                       |                   |               |
| 15100012    | 19.10 – 23.00              | 0.75 – 0.90                  |                       |                   |               |
| 15100013    | 21.10 – 25.00              | 0.83 – 0.98                  |                       |                   |               |
| 15100014    | 22.50 – 27.00              | 0.86 – 1.06                  |                       |                   |               |
| 15100015    | 24.00 – 28.00              | 0.94 – 1.10                  |                       |                   |               |
| 15100016    | 26.30 – 31.00              | 1.03 – 1.22                  |                       |                   |               |
| 15100018    | 29.30 – 34.00              | 1.15 – 1.33                  |                       |                   |               |
| 15100019    | 32.00 – 37.00              | 1.25 – 1.45                  |                       |                   |               |
| 15100020    | 35.00 – 40.00              | 1.37 – 1.57                  |                       |                   |               |
| 15100021    | 37.60 – 43.00              | 1.48 – 1.69                  |                       |                   |               |
| 15100022    | 40.60 – 46.00              | 1.59 – 1.81                  |                       |                   | 10mm          |

# Tubing & Hose Clamps

## Oetiker® 153 Group, Stainless, Single Ear Clamps



These single ear clamps are composed of stainless steel, providing enhanced corrosion resistance.

- Burr-free edges reduce damage to hoses being clamped
- Stainless Steel Construction
- Suitable for Tubing or Hose

**Selection:** Measure the outside diameter (O.D.) of the hose to be clamped. Select a clamp with an average size range that is close to the hose's O.D. An optimal clamp size will allow the hose's O.D. to fall in the middle of the clamp's size range.

**Clamping Procedure:** After assembling the hose, use an Oetiker® ear clamping tool to compress the clamp's ear. The clamp's ear should be reduced in size by at least 40% to provide enough clamping force. If sized correctly, the clamp's ear should not close completely during compression.

**Note:** All Clamps sold in Bag Quantities of 100

### 153 Series

| Part Number | Range (mm)<br>Close - Open | Range (inch)<br>Close - Open | Ear Width<br>(Inside) | Band<br>Thickness | Band<br>Width |
|-------------|----------------------------|------------------------------|-----------------------|-------------------|---------------|
| 15300000    | 2.90 – 3.30                | 0.11 – 0.12                  | 1.4mm                 | 0.5mm             | 3mm           |
| 15300001    | 3.00 – 3.50                | 0.11 – 0.13                  |                       |                   |               |
| 15300002    | 3.30 – 4.10                | 0.12 – 0.16                  | 2.5mm                 |                   | 4mm           |
| 15300054    | 3.80 – 4.60                | 0.14 – 0.18                  | 3.0mm                 |                   |               |
| 15300003    | 4.10 – 5.10                | 0.16 – 0.20                  | 3.2mm                 |                   |               |
| 15300055    | 4.60 – 5.60                | 0.18 – 0.22                  |                       |                   |               |
| 15300004    | 5.10 – 6.10                | 0.20 – 0.24                  |                       |                   |               |
| 15300005    | 5.60 – 6.60                | 0.22 – 0.25                  |                       |                   |               |
| 15300006    | 6.10 – 7.00                | 0.24 – 0.27                  | 3.0mm                 |                   | 5mm           |
| 15300007    | 6.50 – 7.50                | 0.25 – 0.29                  | 3.5mm                 |                   |               |
| 15300008    | 6.80 – 8.00                | 0.26 – 0.31                  | 4.0mm                 |                   |               |
| 15300009    | 7.10 – 8.30                | 0.27 – 0.32                  |                       |                   |               |
| 15300010    | 7.50 – 8.70                | 0.29 – 0.34                  |                       |                   |               |
| 15300011    | 7.50 – 9.00                | 0.29 – 0.35                  | 5.0mm                 | 0.7mm             | 6mm           |
| 15300012    | 8.10 – 9.50                | 0.31 – 0.37                  |                       |                   |               |
| 15300013    | 8.50 – 10.00               | 0.33 – 0.39                  |                       |                   |               |
| 15300014    | 9.10 – 10.50               | 0.35 – 0.41                  |                       |                   |               |
| 15300015    | 9.30 – 11.00               | 0.36 – 0.43                  | 5.5mm                 |                   |               |
| 15300016    | 9.60 – 11.30               | 0.37 – 0.45                  |                       |                   |               |
| 15300017    | 10.10 – 11.80              | 0.39 – 0.46                  |                       |                   |               |
| 15300018    | 10.10 – 12.00              | 0.39 – 0.47                  | 6.5mm                 |                   |               |
| 15300019    | 10.30 – 12.30              | 0.40 – 0.48                  |                       |                   |               |
| 15300020    | 10.80 – 12.80              | 0.42 – 0.50                  |                       |                   |               |
| 15300021    | 11.30 – 13.30              | 0.44 – 0.52                  |                       | 0.8mm             |               |



# Tubing & Hose Clamps

## 153 Series (Continued)



| Part Number | Range (mm)<br>Close - Open | Range (inch)<br>Close - Open | Ear Width<br>(Inside) | Band<br>Thickness | Band<br>Width |
|-------------|----------------------------|------------------------------|-----------------------|-------------------|---------------|
| 15300022    | 11.80 – 13.80              | 0.46 – 0.54                  | 6.5mm                 | 0.8mm             | 6mm           |
| 15300023    | 12.00 – 14.00              | 0.47 – 0.55                  |                       |                   |               |
| 15300024    | 12.50 – 14.50              | 0.49 – 0.57                  |                       |                   |               |
| 15300025    | 13.00 – 15.00              | 0.51 – 0.59                  |                       |                   |               |
| 15300026    | 13.50 – 15.50              | 0.53 – 0.61                  |                       |                   |               |
| 15300027    | 13.80 – 16.00              | 0.54 – 0.62                  | 7.0mm                 |                   |               |
| 15300028    | 14.00 – 16.50              | 0.55 – 0.64                  | 8.0mm                 |                   |               |
| 15300029    | 14.60 – 16.80              | 0.57 – 0.66                  | 7.0mm                 |                   |               |
| 15300030    | 15.30 – 17.50              | 0.60 – 0.68                  |                       |                   |               |
| 15300031    | 16.30 – 18.50              | 0.64 – 0.72                  |                       |                   |               |
| 15300032    | 17.20 – 19.50              | 0.67 – 0.76                  | 7.5mm                 |                   |               |
| 15300033    | 17.70 – 20.00              | 0.69 – 0.78                  |                       |                   |               |
| 15300034    | 17.90 – 20.70              | 0.70 – 0.81                  | 9.0mm                 |                   |               |
| 15300035    | 18.70 – 21.00              | 0.73 – 0.82                  | 7.5mm                 |                   |               |
| 15300036    | 19.50 – 21.80              | 0.76 – 0.85                  |                       |                   |               |
| 15300037    | 19.90 – 22.50              | 0.78 – 0.88                  | 8.5mm                 |                   |               |
| 15300038    | 21.00 – 23.50              | 0.82 – 0.92                  |                       |                   |               |
| 15300040    | 21.70 – 24.50              | 0.85 – 0.96                  | 9.0mm                 |                   |               |
| 15300041    | 22.70 – 25.50              | 0.89 – 1.00                  |                       |                   |               |
| 15300043    | 23.60 – 26.30              | 0.91 – 1.03                  | 8.5mm                 |                   |               |
| 15300044    | 24.10 – 27.00              | 0.94 – 1.06                  | 9.5mm                 |                   |               |
| 15300045    | 27.20 – 30.70              | 1.07 – 1.20                  | 11.0mm                |                   |               |



### Warning

This product can expose you to chemicals including Nickel 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)

# Tubing & Hose Clamps

## Oetiker® Clamp Kits



### 18500056 – Service Clamp Kit with Standard Jaw Pincers

Contains the Following:

| Item                        | Quantity |
|-----------------------------|----------|
| 2 Ear Clamp , 9mm (5/16")   | 15       |
| 2 Ear Clamp , 11mm (3/8")   | 15       |
| 2 Ear Clamp , 13mm (1/2")   | 15       |
| 2 Ear Clamp , 15mm (9/16")  | 15       |
| 2 Ear Clamp, 18mm (5/8")    | 15       |
| 2 Ear Clamp , 20mm (3/4")   | 12       |
| 2 Ear Clamp , 23mm (7/8")   | 12       |
| 2 Ear Clamp , 25mm (15/16") | 12       |
| 2 Ear Clamp , 27mm (1")     | 12       |
| Standard Jaw Pincer         | 1        |



### 18500060 – Stepless® Ear Clamp Kit

Contains the Following:

| Item                             | Quantity |
|----------------------------------|----------|
| Stepless® Clamp, 13.3mm (1/2")   | 10       |
| Stepless® Clamp, 14.5mm (9/16")  | 10       |
| Stepless® Clamp, 15.7mm (5/8")   | 10       |
| Stepless® Clamp, 18.5mm (23/32") | 10       |
| Stepless® Clamp, 22.6mm (7/8")   | 10       |
| Stepless® Clamp, 28.6mm (1 1/8") | 10       |
| Stepless® Clamp, 31.6mm (1 1/4") | 10       |
| Standard Jaw Pincer              | 1        |



# Tubing & Hose Clamps



## 18500075 – Stepless® Beverage Service Kit

Contains the Following:

| Item                             | Quantity |
|----------------------------------|----------|
| Stepless® Clamp, 8.7mm (11/32")  | 50       |
| Stepless® Clamp, 10.5mm (13/32") | 50       |
| Stepless® Clamp, 11.3mm (7/16")  | 50       |
| Stepless® Clamp, 13.3mm (1/2")   | 50       |
| Stepless® Clamp, 14.5mm (9/16")  | 50       |
| Stepless® Clamp, 17.0mm (11/16") | 50       |
| Standard Jaw Pincer              | 1        |



## 18500106 – Welding Hose Repair Kit

Contains the Following:

| Item                        | Quantity |
|-----------------------------|----------|
| "B" RH Brass Oxygen Nuts    | 6        |
| "B" LH Brass Acetylene Nuts | 6        |
| 1/4" Brass Nipples          | 6        |
| 3/16" Brass Nipples         | 2        |
| 3/16" Brass Hose Menders    | 2        |
| 1/4" Brass Hose Menders     | 4        |
| 9/16" (15mm) Twin Clamps    | 4        |
| 2 Ear Clamps, 1/2" (13mm)   | 10       |
| 2 Each Clamps, 9/16" (15mm) | 40       |
| Standard Jaw Pincer         | 1        |

# Tubing & Hose Clamps

## Oetiker® Ear Clamp Installation Tools



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

| Model    | Action   | Jaw Style           |
|----------|----------|---------------------|
| 14100386 | Compound | Standard (Front)    |
| 14100387 | Compound | Side (Front & Side) |
| 14100396 | Single   | Standard (Front)    |



14100386



Standard Jaw (Front)



14100387



Side Jaw (Front & Side)



14100396



Standard Jaw (Front)

# Tubing & Hose Cutters



# Tubing & Hose Cutters

## Tubing & Hose Cutters



Tubing and hose cutters from ATP ensure clean and square cuts.

### 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.

# 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**



# Hose Reels & Balancers



# Hose Reels & Balancers



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



## 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**

#### 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

## Hose Balancers

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



### 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

| Specifications           |                                          |
|--------------------------|------------------------------------------|
| Media                    | Compressed Air                           |
| Max Working Pressure     | 143psi (10 Bar)                          |
| Temperature Range        | 32°F to 142°F                            |
| Hose Style               | 5/16" ID (8x10.5mm) Braided Polyurethane |
| Inlet Connection         | 3/8" Male NPT                            |
| Outlet Connection (Hose) | 1/4" Female NPT                          |
| Item Weight              | 5.5lb (2.5kg)                            |
| Body Construction        | Die-Cast Aluminum                        |

### 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)  |



### 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           |                      |
|--------------------------|----------------------|
| Media                    | Compressed Air       |
| Max Working Pressure     | 140psi (10 Bar)      |
| Temperature Range        | 32°F to 142°F        |
| Hose Style               | 5 x 8mm Polyurethane |
| Inlet Connection         | 1/4" Female NPT      |
| Outlet Connection (Hose) | 1/4" Male NPT        |
| Item Weight              | 1.87lb (0.85kg)      |
| Body Construction        | Plastic              |

### 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 Reels & Balancers

## 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**



# Compressed Air Blowguns



## 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? |
|---------------------|--------------|-------------|-------------------|-----------------|------------------|---------------|-----------------|
| <b>BK9405-5HD*</b>  | 4" Fixed     | 76 dBa      | -4°F to 158°F     | 1/4" Female NPT | 90-120 psi       | POM           | No              |
| <b>AR501-F-L100</b> | 4" Flexible  | N/A         | -4°F to 158°F     | 1/4" Female NPT | 90-120 psi       | POM           | Yes             |
| <b>AR501-F-L200</b> | 8" Flexible  | N/A         | -4°F to 158°F     | 1/4" Female NPT | 90-120 psi       | POM           | Yes             |
| <b>AR501-F-L300</b> | 12" Flexible | N/A         | -4°F to 158°F     | 1/4" Female NPT | 90-120 psi       | POM           | Yes             |
| <b>AR501-F-L500</b> | 20" Flexible | N/A         | -4°F to 158°F     | 1/4" Female NPT | 90-120 psi       | POM           | Yes             |

\*Note: For the above blowgun to be OSHA Compliant, the inlet air supply should be regulated to 30psi.



## 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? |
|-------------------|--------------|-------------|-------------------|-----------------|------------------|-------------------|-----------------|
| <b>BK9407-HDS</b> | Bypass Style | N/A         | 32°F to 140°F     | 1/4" Female NPT | 0-150 psi        | Zinc-Plated Brass | Yes             |



## All-Metal Pistol Grip Blowguns

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

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

# Compressed Air Blowguns

## Prevost 27202 Compressed Air Blowguns

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



## Blowgun Nozzles

### CRN250-BPN Blowgun Nozzle

OSHA Compliant removable nozzle for the BK9405-5HD Blowgun.



### 10K-ARS Vibro Air Nozzle

The Vibro Air Nozzle features a pulsing action, allowing for increased performance, with reduced air consumption.

Available in standard 1/8" parallel blowgun nozzle thread.

# Index

| Item               | Page      | Item               | Page      |
|--------------------|-----------|--------------------|-----------|
| 1101 _ _ _ _ _     | 263       | 24-DS_             | 230       |
| 10K601-ARS         | 280       | 24-DS_-NPT         | 230       |
| 10K-ARS            | 281       | 24-DS_-SUS303      | 234       |
| 12DF-N_ _          | 239       | 24-SO              | 231       |
| 14100_ _ _         | 271       | 24-SO              | 231       |
| 14DF-N_ _          | 239       | 27202- _ _ _       | 281       |
| 14PA-N_ _          | 236       | 295 00 _ _ _       | 244       |
| 14PIC- _ _         | 228       | 2LE_ _ _           | 20        |
| 14PI-N_ _          | 236       | 2MP- _ _ _ _ -0_   | 37        |
| 14PT-N_ _          | 236       | 2MPS- _ _ _ _ -0_  | 44 & 45   |
| 14SIC- _ _         | 225       | 2MS_ _ _           | 22 & 23   |
| 14SI-N_ _          | 235       | 38DF-N_ _          | 239       |
| 14SOC- _ _         | 226       | 38PIC- _ _         | 228       |
| 151 _ _ _ _ _      | 266 - 268 | 38PI-N_ _          | 236       |
| 155 _ _ _ _ _      | 264 & 265 | 38SIC- _ _         | 225       |
| 167 _ _ _ _ _      | 258 -262  | 38SI-N_ _          | 235       |
| 185 _ _ _ _ _      | 269 & 270 | 38SOC- _ _         | 226       |
| 1N- _ _ _ _ - _ _  | 213 - 215 | 3MP- _ _ _ _ -0_   | 39        |
| 1PS- _ _ _ _ - _ _ | 210- 212  | 3MPS- _ _ _ _ -    | 46 & 47   |
| 205 00 _ _ _       | 243       | 3MPS- _ _ _ _ -    | 46 & 47   |
| 22-DF_-SUS303      | 234       | 3USC-H14           | 242       |
| 22-DP- _ _ _       | 231       | 3USC-N2_           | 242       |
| 22-DS- _ _ _       | 230       | 4MP- _ _ _ _ -0_   | 40        |
| 22-DS_-SUS303      | 234       | 4MPS- _ _ _ _ -    | 48 & 49   |
| 22-SO_             | 231       | 4MPS- _ _ _ _ -    | 48 & 49   |
| 23-DF_-SUS303      | 234       | 50-DPC             | 231       |
| 23-DP_             | 231       | 50-SOC             | 231       |
| 23-DP_-NPT         | 231       | 5SOC- _ _          | 229       |
| 23-DS_             | 230       | 65-DPC             | 231       |
| 23-DS_-NPT         | 230       | 65-SOC             | 231       |
| 23-DS_-SUS303      | 234       | 80-DPC             | 231       |
| 23-SO              | 231       | 80-SOC             | 231       |
| 23-SO              | 231       | AR501-F-L_00       | 280       |
| 24-DF_-SUS303      | 234       | AT- _ _ _ _ -CB- _ | 208 & 209 |
| 24-DP_             | 231       | Auto-100_ _ _      | 200       |
| 24-DP_-NPT         | 231       | B_ _ _ _ FL        | 155       |
|                    |           | B_ _ _ _ FL-PT     | 155       |
|                    |           | B_ _ _ _ F-PP      | 151       |

## Index

| Item          | Page | Item         | Page    |
|---------------|------|--------------|---------|
| B_ _ _ MBJ    | 162  | BWM-0_ -PT   | 252     |
| B_ _ _ MBJ-PT | 162  | CAS_ _       | 108     |
| B_ _ _ ML     | 152  | CRN250-BPN   | 281     |
| B_ _ _ ML-PP  | 153  | CVFF_ _ _    | 148     |
| B_ _ _ ML-PT  | 153  | CVPC_ _ _    | 146     |
| B_ _ _ MLR    | 154  | CVPF- _ _    | 147     |
| B_ _ _ MLR-PT | 154  | CVPU_ _      | 147     |
| B_ _ _ MT     | 156  | DF_ _        | 240     |
| B_ _ _ MT-PP  | 156  | DF02_        | 240     |
| B_ _ _ MT-PT  | 156  | DF03_        | 240     |
| B_ _ _ R      | 160  | DF04_        | 240     |
| B_ _ _ RT     | 157  | DF110        | 240     |
| B_ _ _ RT-PP  | 157  | DWPE_ _ _    | 15 & 16 |
| B_ _ _ RT-PT  | 157  | ESC_ _ _     | 137     |
| B_ _ _ SA     | 161  | ETC-20       | 273     |
| B_ _ _ SA-PT  | 161  | FBT0_ -0_    | 248     |
| B_ _ _ UY     | 159  | FC0_ -0_     | 247     |
| B_ _ -0_ F    | 151  | FCC0_ -0_    | 247     |
| B_ _ -0_ M    | 149  | FE_ F- _ M   | 255     |
| B_ _ -0_ M-PP | 150  | FEN_ F-N_ M  | 255     |
| B_ _ -0_ M-PT | 150  | FEP_ _ MANA  | 18      |
| B_ _ BU       | 163  | FL0_ -0_     | 248     |
| B_ _ MBU      | 163  | FT0_ -0_     | 249     |
| B_ _ MU       | 158  | H11- _ SBR   | 220     |
| B_ _ MUL      | 158  | H12- _ SBR   | 220     |
| B_ _ MUT      | 159  | H1332- _ SBR | 220     |
| B_ _ U        | 158  | H14- _ SBR   | 220     |
| B_ _ UL       | 158  | H2164- _ SBR | 220     |
| B_ _ UT       | 159  | H38- _ SBR   | 220     |
| B_ _ UY       | 159  | H5- _ SBR    | 220     |
| BK9405- _ _   | 280  | H6.5- _ SBR  | 220     |
| BSC_ _ _ DC-O | 164  | H8- _ SBR    | 220     |
| BSC_ _ _ HA-O | 165  | HBM_ _ -0_   | 251     |
| BU0_ -0_      | 249  | HBVU_ _ _    | 193     |
| BWM-0_        | 252  | HCAS- _      | 196     |
| HCJ_ _ _      | 188  | HCB_ _ _     | 187     |
| HCJB_ _ _     | 187  | HCF_ _ _     | 178     |
|               |      | HCJB         | 187     |
|               |      | HCP_ _       | 195     |
|               |      | HCVU_ _ _    | 192     |

# Index

| Item        | Page | Item         | Page      |
|-------------|------|--------------|-----------|
| HFPC-__     | 228  | MCL0_-__     | 247       |
| HFSOC-__    | 226  | MFC0_-0_     | 250       |
| HGJ_____    | 190  | MHB-8_       | 277       |
| HHP0_       | 250  | ML0_-0_      | 248       |
| HLJ_____    | 189  | MLA-__       | 253       |
| HMM_____    | 191  | MS_____      | 22 & 23   |
| HPC_____    | 177  | MYA-__       | 253       |
| HPC_____    | 177  | N_-_-Spring  | 221       |
| HPF_____    | 191  | N04M/532__   | 12 & 13   |
| HPL_____    | 179  | N06M__       | 13        |
| HPP_____    | 192  | N08M/516__   | 12 & 13   |
| HR14-_0 Yes | 276  | N10M__       | 13        |
| HR38-__     | 276  | N12__        | 12        |
| HRPL_____   | 180  | N12-4MU      | 221       |
| HRPT_____   | 181  | N14__        | 12        |
| HRST_____   | 182  | N14-2MU      | 221       |
| HRWT_____   | 183  | N14x150__    | 12        |
| HSLB_____   | 193  | N18__        | 12        |
| HSLU_____   | 194  | N38__        | 12        |
| HSTB_____   | 194  | N38-_MU      | 221       |
| HSTU_____   | 195  | N38x215__    | 12        |
| HSV-__      | 141  | N58__        | 12        |
| HUC_____    | 184  | NFA_M-_M     | 254       |
| HUFFG0_-G0_ | 196  | NFAB-N_M-_   | 254       |
| HUL_____    | 185  | NFAN2F-N_M   | 254       |
| HUT_____    | 186  | NFAN3F-N_M   | 254       |
| HUY_____    | 186  | NFAP-2M-__   | 237       |
| HVC-_-_-    | 139  | NFAP-N_M-UA  | 237       |
| HVF-_-_-    | 140  | NFAP-N_M-UB  | 237       |
| HVM-_-_-    | 142  | NFAP-N2M-__  | 237       |
| HVU-_-_-    | 141  | NS-12-_-_-   | 205       |
| HZA0606     | 189  | NS-14-_-_-   | 205       |
| K601-03     | 280  | NS-38-_-_-0_ | 205       |
| LE_____     | 20   | NSC_-_-_-    | 123 & 124 |
| LR-09       | 277  | NSC_-_-_(D)  | 125 & 126 |
| LR-09B-200  | 277  | NSC_-_-_(DC) | 127 & 128 |
| MC0_-0_     | 246  | NSCF0_       | 137       |
| MCC0_-0_    | 246  | NSCP_-_-_-   | 133 & 134 |
| MCF0_-0_    | 249  | NSF_-_-_-    | 132       |

## Index

| Item          | Page    | Item         | Page      |
|---------------|---------|--------------|-----------|
| NSFB__        | 132     | PGT_____     | 91        |
| NSFF-0_       | 136     | PH__-_-      | 110       |
| NSFP-0_       | 136     | PH__-_-      | 111       |
| NSS__-_-      | 129     | PHF__-_-     | 112 & 113 |
| NSS__-_-_(D)  | 130     | PHL__-_-_(2) | 114       |
| NSS__-_-_(DC) | 131     | PHL__-_-_(3) | 115       |
| NSSP__-_-     | 135     | PHT__-_-_(1) | 119       |
| PA__-_-       | 116     | PHT__-_-_(2) | 120       |
| PAT__-_-_(2)  | 117     | PHT__-_-_(3) | 121       |
| PAT__-_-_(3)  | 118     | PIG__-_-     | 107       |
| PBH___CB      | 28      | PIJ__        | 106       |
| PBH__-_-CBDF  | 29      | PKD__-_-     | 122       |
| PBH__-_-CB_   | 28      | PKG__-_-     | 93        |
| PBH__-_-CBBC  | 29      | PKJ__-_-     | 106       |
| PBH__-_-CBDF  | 29      | PL__-_-C     | 73        |
| PC__-_-C      | 62      | PL__-0_      | 65        |
| PC__-0_       | 55 - 57 | PL__-0_      | 66 & 67   |
| PC__-N_       | 55- 57  | PL45__-_-    | 74 & 75   |
| PCF__-_-C     | 64      | PLF__-_-     | 72        |
| PCF__-0_      | 60 & 61 | PLF__-N_     | 71        |
| PCF__-N_      | 60 & 61 | PLJ__        | 102       |
| PCP__         | 109     | PLL__-_-     | 70        |
| PE04M/532__   | 15 & 16 | PLL__-_-C    | 76        |
| PE06M__       | 16      | PLL__-N_     | 68 & 69   |
| PE10M__       | 16      | PLM__        | 100       |
| PE12__        | 15      | PMF__-_-     | 99        |
| PE12M__       | 16      | PMG__-_-     | 94        |
| PE14__        | 15      | PMM__        | 98        |
| PE1418__      | 15      | PMM-__C      | 100       |
| PE18__        | 15      | POC__-_-C    | 63        |
| PE1A_         | 15      | POC1/2-N_    | 58 & 59   |
| PE34__        | 15      | PP__         | 107       |
| PE38__        | 15      | PPF__        | 108       |
| PE58__        | 15      | PSJ__        | 104       |
| PFM0_         | 252     | PST__-_-     | 80 - 82   |
| PFM0_-PT      | 252     | PST__-_-C    | 85        |
| PG_____       | 89      | PT__-_-      | 77 - 79   |
| PG__-_-C      | 95      | PTF__-_-     | 82 - 84   |
| PGJ__-_-C     | 101     | PTFE__ANA    | 17        |

# Index

| Item          | Page    | Item           | Page      |
|---------------|---------|----------------|-----------|
| PTFE__MANA    | 17      | RHP0__         | 250       |
| PTJ__         | 103     | SBM0__         | 252       |
| PU04M/532__   | 8       | SBM0__-PT      | 252       |
| PU04M/532__   | 7 & 8   | SH11__         | 30        |
| PU06M__       | 8       | SH11-__3       | 30        |
| PU08M/516__   | 8       | SH-11-N_M-SBR  | 221       |
| PU10M__       | 8       | SH6.5__        | 30        |
| PU12__        | 7       | SH6.5-__2      | 30        |
| PU12M__       | 8       | SH-6.5-N_M-SBR | 221       |
| PU16M__       | 8       | SH8__          | 30        |
| PU18__        | 7       | SH8-__2        | 30        |
| PU316__       | 7       | SH-8-N_M-SBR   | 221       |
| PU34__        | 7       | SHR14-_0       | 276       |
| PU38__        | 7       | SHR38-__       | 276       |
| PU58__        | 7       | SM14-__        | 276       |
| PU916__       | 7       | SM38-__        | 276       |
| PUC__         | 88      | SP-10-__-__    | 207       |
| PUL__         | 89      | SP-12-__-__    | 207       |
| PUL__C        | 96      | SP-1332-__-__  | 207       |
| PUT__         | 90      | SP-14-__-__    | 207       |
| PUT__C        | 96      | SP-2164-__-__  | 207       |
| PUV12_BK      | 10      | SPC__-__       | 143 & 144 |
| PUV14_BK      | 10      | SPU__          | 145       |
| PUV38_BK      | 10      | SPU08M/516__   | 9         |
| PVC__-__ANA   | 25      | SPU12__        | 9         |
| PVCBH__-__ANA | 27      | SPU14__        | 9         |
| PVSC__-__     | 138     | SPU18__        | 9         |
| PVSF0__       | 148     | SPU38__        | 9         |
| PW____        | 92      | SS__-__F       | 167       |
| PW__-__C      | 97      | SS__-__F-PT    | 168       |
| PWJ____       | 105     | SS__-__M       | 166       |
| PWT____       | 88      | SS__-__ML      | 169       |
| PWT__-__      | 86 & 87 | SS__-__ML-PT   | 169       |
| PXG____       | 93      | SS__-__M-PT    | 167       |
| PXJ____       | 105     | SS__-__MR      | 171       |
| PY____        | 92      | SS__-__MT      | 170       |
| PY__C         | 97      | SS__-__MT-PT   | 170       |
| PYJ__         | 104     | SS__-__UR      | 171       |
| PZA__         | 94      | SS__BU         | 173       |

# Index

| Item           | Page | Item           | Page      |
|----------------|------|----------------|-----------|
| SS__U          | 171  | STH__-__CBQ    | 32        |
| SS__UL         | 172  | STH__-__BKR    | 31        |
| SS__UL         | 172  | STH12-__MSBR   | 221       |
| SS__UT         | 172  | STH14-2MSBR    | 221       |
| SS12PI-N__     | 232  | STH38-__MSBR   | 221       |
| SS12SI-N__     | 232  | STL0__0__      | 248       |
| SS14PI-N__     | 232  | T_-1332-__-__- | 200 & 202 |
| SS14SI-N__     | 232  | T_-14-__-__-   | 200 & 202 |
| SS38PI-N__     | 232  | T_-2164-__-__- | 200 & 202 |
| SS38SI-N__     | 232  | T_-38-__-__-   | 200 & 202 |
| ST-10-__-__-   | 204  | TB-1__         | 278       |
| ST-12-__-__-   | 204  | TB-12-__-RS    | 200 & 202 |
| ST-1332-__-__- | 204  | TC-100         | 273       |
| ST-14-__-__-   | 204  | TC-14          | 273       |
| ST-16-__-__-   | 204  | TC-200         | 274       |
| ST-2164-__-__- | 204  | TR12-50        | 276       |
| ST-316-__-__-  | 204  | TR14-20        | 276       |
| ST-8-__-__-    | 204  | TT-10-__-__-   | 201       |
| STB__0         | 278  | TT-12-__-__-   | 201       |
| STH__-__BKR__  | 31   | TT-16-__-__-   | 201       |
| STH__-__CBBC   | 32   | TT-316-__-__-  | 200 & 202 |
| STH__-__CBDF   | 32   | TT-8-__-__-    | 201       |

# Chemical Resistance Chart

|                            | Polyurethane | Nylon 12 | Polyethylene | PVC | 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 | PVC | PTFE | Weir Tubing Cover |
|-----------------------------|--------------|----------|--------------|-----|------|-------------------|
| <b>Greases</b>              |              |          |              |     |      |                   |
| Calcium Grease              | A            | —        | —            | —   | A    | —                 |
| Sodium Grease               | A            | —        | —            | —   | A    | —                 |
| Teflon® Grease              | A            | —        | —            | —   | A    | —                 |
| <b>Miscellaneous</b>        |              |          |              |     |      |                   |
| Diethyl Phthalate (DOP)     | 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.

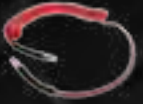
A ..... Excellent (0-3%)  
B ..... Good (4-15%)  
C ..... Fair (16-30%)  
D ..... Poor (>30%)  
E ..... Dissolves



**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**