

STC

Push-In Fittings & Polyurethane Tubing



connects fluid power to industrial automation™

Table of Contents

STC Fittings Numbering System.....2

STC Composite Push-In Fittings List Price.....3-5

STC Stainless Steel Push-In Fittings List Price.....6

STC Nickel-Plated Brass Push-In Fittings List Price.....7

Composite, Stainless Steel, and Nickel-Plated Brass Push-In Fittings Specifications.....8

STC Composite Push-In Fittings Dimensions.....9-13

STC Stainless Steel and Nickel-Plated Brass Push-In Fittings Dimensions.....14

STC Polyurethane Tubing.....15

STC FITTINGS NUMBERING SYSTEM

Ordering Part No.= (eg. BC 1/8 10-32)

BC 1/8 10-32

| Fitting Name | Model | Material | TUBE OD | THREAD SIZE N= NPT, R=Rc, G=PT, U=UNIFIT |
|---------------------------|-------|-------------------------|------------|---|
| BULKHEAD CONNECTOR | BC | Blank = Composite | 1/8 (inch) | 10-32 |
| BRANCH TEE | BT | B = Nickel Plated Brass | 5/32 | N1/8 |
| BULKHEAD UNION | BU | S = 316 Stainless Steel | 3/16 | N1/4 |
| COMPACT MALE CONNECTOR | CC | | 1/4 | N3/8 |
| CONTROL VALVE (meter-in) | CI | | 5/16 | N1/2 |
| CONTROL VALVE (meter-out) | CV | | 3/8 | |
| CROSS UNION | CU | | 1/2 | M5 |
| EXTENDED ELBOW | EE | | | M6 |
| FEMALE CONNECTOR | FC | | 4 (mm) | R1/8 |
| FEMALE ELBOW | FE | | 6 | R1/4 |
| INLINE FLOW CONTROL | FV | | 8 | R3/8 |
| MALE CONNECTOR | MC | | 10 | R1/2 |
| MALE ELBOW | ME | | 12 | |
| MALE MANIFOLD | MM | | | G1/8 |
| MANIFOLD UNION | MU | | | G1/4 |
| PLUG | PG | | | G3/8 |
| REDUCED BRANCH | RB | | | |
| RUN TEE | RT | | | U1/8 |
| REDUCED UNION | RU | | | U1/4 |
| STRAIGHT UNION | SU | | | U3/8 |
| TEE UNION | TU | | | |
| UNIVERSAL ELBOW | UE | | | |
| Y CONNECTOR | YC | | | |
| Y UNION | YU | | | |
| UNION VALVE | UV | | | |
| INLET VALVE | IV | | | |
| OUTLET VALVE | OV | | | |
| PLUG VALVE | PV | | | |
| INLET FLOW CONTROL | AS | | | |
| INLINE FLOW CONTROL | ASC | | | |
| SPEED CONTROL MUFFLER | BESL | | | |
| MUFFLER | BSL | | | |
| QUICK EXHAUST VALVE | QE | | | |
| SHUTTLE VALVE | ST | | | |


























STC Composite Push-In Fittings List Price

| Composite Fittings Model | | Male Connector with Internal Hex | | Compact Male Connector with Internal Hex | | Male Elbow | | Branch Tee | | Run Tee | | Y Connector | |
|--------------------------|-----------|----------------------------------|--------|--|--------|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Tube OD | Pipe Size | MC | | CC | | ME | | BT | | RT | | YC | |
| 1/8 | 10-32UNF | MC 1/8 10-32 | \$1.01 | CC 1/8 10-32 | \$1.01 | ME 1/8 10-32 | \$1.46 | | | | | | |
| 1/8 | NPT1/8 | MC 1/8 N1/8 | \$1.01 | CC 1/8 N1/8 | \$1.01 | ME 1/8 N1/8 | \$1.46 | | | | | | |
| 1/8 | NPT1/4 | MC 1/8 N1/4 | \$1.01 | CC 1/8 N1/4 | \$1.01 | ME 1/8 N1/4 | \$1.46 | | | | | | |
| 5/32 | 10-32UNF | MC 5/32 10-32 | \$1.01 | CC 5/32 10-32 | \$1.01 | ME 5/32 10-32 | \$1.46 | BT 5/32 10-32 | \$2.26 | RT 5/32 10-32 | \$2.06 | YC 5/32 10-32 | \$2.06 |
| 5/32 | NPT1/8 | MC 5/32 N1/8 | \$1.01 | CC 5/32 N1/8 | \$1.01 | ME 5/32 N1/8 | \$1.46 | BT 5/32 N1/8 | \$2.26 | RT 5/32 N1/8 | \$2.06 | YC 5/32 N1/8 | \$2.06 |
| 5/32 | NPT1/4 | MC 5/32 N1/4 | \$1.01 | CC 5/32 N1/4 | \$1.01 | ME 5/32 N1/4 | \$1.46 | BT 5/32 N1/4 | \$2.26 | RT 5/32 N1/4 | \$2.28 | YC 5/32 N1/4 | \$2.06 |
| 3/16 | 10-32UNF | MC 3/16 10-32 | \$1.01 | | | ME 3/16 10-32 | \$1.46 | BT 3/16 10-32 | \$2.26 | RT 3/16 10-32 | \$2.28 | YC 3/16 10-32 | \$2.28 |
| 3/16 | NPT1/8 | MC 3/16 N1/8 | \$1.01 | | | ME 3/16 N1/8 | \$1.46 | BT 3/16 N1/8 | \$2.26 | RT 3/16 N1/8 | \$2.28 | YC 3/16 N1/8 | \$2.28 |
| 3/16 | NPT1/4 | MC 3/16 N1/4 | \$1.01 | | | ME 3/16 N1/4 | \$1.46 | BT 3/16 N1/4 | \$2.26 | RT 3/16 N1/4 | \$2.28 | YC 3/16 N1/4 | \$2.28 |
| 3/16 | NPT3/8 | MC 3/16 N3/8 | \$1.01 | | | ME 3/16 N3/8 | \$1.46 | BT 3/16 N3/8 | \$2.26 | RT 3/16 N3/8 | \$2.28 | YC 3/16 N3/8 | \$2.28 |
| 1/4 | 10-32UNF | MC 1/4 10-32 | \$1.01 | CC 1/4 10-32 | \$1.01 | ME 1/4 10-32 | \$1.46 | BT 1/4 10-32 | \$2.28 | RT 1/4 10-32 | \$2.73 | YC 1/4 10-32 | \$2.28 |
| 1/4 | NPT1/8 | MC 1/4 N1/8 | \$1.01 | CC 1/4 N1/8 | \$1.01 | ME 1/4 N1/8 | \$1.46 | BT 1/4 N1/8 | \$2.28 | RT 1/4 N1/8 | \$2.73 | YC 1/4 N1/8 | \$2.28 |
| 1/4 | NPT1/4 | MC 1/4 N1/4 | \$1.01 | CC 1/4 N1/4 | \$1.01 | ME 1/4 N1/4 | \$1.46 | BT 1/4 N1/4 | \$2.46 | RT 1/4 N1/4 | \$3.11 | YC 1/4 N1/4 | \$2.46 |
| 1/4 | NPT3/8 | MC 1/4 N3/8 | \$1.46 | | | ME 1/4 N3/8 | \$1.74 | BT 1/4 N3/8 | \$2.73 | RT 1/4 N3/8 | \$3.39 | YC 1/4 N3/8 | \$2.73 |
| 5/16 | NPT1/8 | MC 5/16 N1/8 | \$1.01 | | | ME 5/16 N1/8 | \$1.62 | BT 5/16 N1/8 | \$2.56 | RT 5/16 N1/8 | \$2.84 | YC 5/16 N1/8 | \$2.56 |
| 5/16 | NPT1/4 | MC 5/16 N1/4 | \$1.01 | | | ME 5/16 N1/4 | \$1.62 | BT 5/16 N1/4 | \$2.56 | RT 5/16 N1/4 | \$3.11 | YC 5/16 N1/4 | \$2.56 |
| 5/16 | NPT3/8 | MC 5/16 N3/8 | \$1.46 | | | ME 5/16 N3/8 | \$1.84 | BT 5/16 N3/8 | \$2.84 | RT 5/16 N3/8 | \$3.39 | YC 5/16 N3/8 | \$2.84 |
| 3/8 | NPT1/8 | MC 3/8 N1/8 | \$1.51 | | | ME 3/8 N1/8 | \$1.84 | BT 3/8 N1/8 | \$2.73 | RT 3/8 N1/8 | \$3.39 | YC 3/8 N1/8 | \$2.84 |
| 3/8 | NPT1/4 | MC 3/8 N1/4 | \$1.51 | CC 3/8 N1/4 | \$1.51 | ME 3/8 N1/4 | \$1.84 | BT 3/8 N1/4 | \$2.84 | RT 3/8 N1/4 | \$3.39 | YC 3/8 N1/4 | \$2.84 |
| 3/8 | NPT3/8 | MC 3/8 N3/8 | \$2.16 | CC 3/8 N3/8 | \$2.16 | ME 3/8 N3/8 | \$2.01 | BT 3/8 N3/8 | \$3.05 | RT 3/8 N3/8 | \$3.66 | YC 3/8 N3/8 | \$3.01 |
| 3/8 | NPT1/2 | MC 3/8 N1/2 | \$2.16 | | | ME 3/8 N1/2 | \$3.36 | BT 3/8 N1/2 | \$3.96 | RT 3/8 N1/2 | \$3.96 | YC 3/8 N1/2 | \$3.66 |
| 1/2 | NPT1/4 | MC 1/2 N1/4 | \$2.16 | CC 1/2 N1/4 | \$2.16 | ME 1/2 N1/4 | \$3.36 | BT 1/2 N1/4 | \$3.66 | RT 1/2 N1/4 | \$3.66 | YC 1/2 N1/4 | \$3.66 |
| 1/2 | NPT3/8 | MC 1/2 N3/8 | \$2.16 | | | ME 1/2 N3/8 | \$3.36 | BT 1/2 N3/8 | \$3.66 | RT 1/2 N3/8 | \$3.96 | YC 1/2 N3/8 | \$3.66 |
| 1/2 | NPT1/2 | MC 1/2 N1/2 | \$2.16 | | | ME 1/2 N1/2 | \$3.36 | BT 1/2 N1/2 | \$3.96 | RT 1/2 N1/2 | \$4.23 | YC 1/2 N1/2 | \$3.96 |
| | | | | | | | | | | | | | |
| 4 mm | M5X0.8 | MC 4 M5 | \$1.01 | | | ME 4 M5 | \$1.46 | BT 4 M5 | \$2.06 | RT 4 M5 | \$2.06 | YC 4 M5 | \$2.06 |
| 4 mm | M6X1 | MC 4 M6 | \$1.01 | | | ME 4 M6 | \$1.46 | BT 4 M6 | \$2.06 | RT 4 M6 | \$2.06 | YC 4 M6 | \$2.06 |
| 4 mm | R1/8 | MC 4 R1/8 | \$1.01 | | | ME 4 R1/8 | \$1.46 | BT 4 R1/8 | \$2.26 | RT 4 R1/8 | \$2.06 | YC 4 R1/8 | \$2.06 |
| 4 mm | R1/4 | MC 4 R1/4 | \$1.01 | | | ME 4 R1/4 | \$1.46 | BT 4 R1/4 | \$2.26 | RT 4 R1/4 | \$2.26 | YC 4 R1/4 | \$2.26 |
| 6 mm | M5X0.8 | MC 6 M5 | \$1.01 | | | ME 6 M5 | \$1.46 | BT 6 M5 | \$2.28 | RT 6 M5 | \$2.73 | YC 6 M5 | \$2.28 |
| 6 mm | M6X1 | MC 6 M6 | \$1.01 | | | ME 6 M6 | \$1.46 | BT 6 M6 | \$2.28 | RT 6 M6 | \$2.73 | YC 6 M6 | \$2.28 |
| 6 mm | R1/8 | MC 6 R1/8 | \$1.01 | | | ME 6 R1/8 | \$1.46 | BT 6 R1/8 | \$2.26 | RT 6 R1/8 | \$2.73 | YC 6 R1/8 | \$2.28 |
| 6 mm | R1/4 | MC 6 R1/4 | \$1.01 | | | ME 6 R1/4 | \$1.46 | BT 6 R1/4 | \$2.46 | RT 6 R1/4 | \$3.11 | YC 6 R1/4 | \$2.46 |
| 6 mm | R3/8 | MC 6 R3/8 | \$1.46 | | | ME 6 R3/8 | \$1.74 | BT 6 R3/8 | \$2.73 | RT 6 R3/8 | \$3.39 | YC 6 R3/8 | \$2.73 |
| 6 mm | R1/2 | MC 6 R1/2 | \$2.01 | | | ME 6 R1/2 | \$2.86 | BT 6 R1/2 | \$3.66 | RT 6 R1/2 | \$3.96 | YC 6 R1/2 | \$3.66 |
| 8 mm | R1/8 | MC 8 R1/8 | \$1.01 | | | ME 8 R1/8 | \$1.62 | BT 8 R1/8 | \$2.56 | RT 8 R1/8 | \$2.84 | YC 8 R1/8 | \$2.56 |
| 8 mm | R1/4 | MC 8 R1/4 | \$1.01 | | | ME 8 R1/4 | \$1.62 | BT 8 R1/4 | \$2.56 | RT 8 R1/4 | \$3.11 | YC 8 R1/4 | \$2.56 |
| 8 mm | R3/8 | MC 8 R3/8 | \$1.01 | | | ME 8 R3/8 | \$1.62 | BT 8 R3/8 | \$2.84 | RT 8 R3/8 | \$3.39 | YC 8 R3/8 | \$2.84 |
| 8 mm | R1/2 | MC 8 R1/2 | \$1.46 | | | ME 8 R1/2 | \$1.84 | BT 8 R1/2 | \$2.84 | RT 8 R1/2 | \$3.96 | YC 8 R1/2 | \$3.63 |
| 10 mm | R1/8 | MC 10 R1/8 | \$1.51 | | | ME 10 R1/8 | \$1.84 | BT 10 R1/8 | \$2.73 | RT 10 R1/8 | \$3.39 | YC 10 R1/8 | \$2.84 |
| 10 mm | R1/4 | MC 10 R1/4 | \$1.51 | | | ME 10 R1/4 | \$1.84 | BT 10 R1/4 | \$2.84 | RT 10 R1/4 | \$3.39 | YC 10 R1/4 | \$2.84 |
| 10 mm | R3/8 | MC 10 R3/8 | \$2.16 | | | ME 10 R3/8 | \$2.05 | BT 10 R3/8 | \$3.05 | RT 10 R3/8 | \$3.63 | YC 10 R3/8 | \$3.01 |
| 10 mm | R1/2 | MC 10 R1/2 | \$2.16 | | | ME 10 R1/2 | \$3.36 | BT 10 R1/2 | \$3.96 | RT 10 R1/2 | \$3.96 | YC 10 R1/2 | \$3.66 |
| 12 mm | R1/4 | MC 12 R1/4 | \$2.16 | | | ME 12 R1/4 | \$3.36 | BT 12 R1/4 | \$3.66 | RT 12 R1/4 | \$3.66 | YC 12 R1/4 | \$3.66 |
| 12 mm | R3/8 | MC 12 R3/8 | \$2.16 | | | ME 12 R3/8 | \$3.36 | BT 12 R3/8 | \$3.66 | RT 12 R3/8 | \$3.96 | YC 12 R3/8 | \$3.66 |
| 12 mm | R1/2 | MC 12 R1/2 | \$2.16 | | | ME 12 R1/2 | \$3.36 | BT 12 R1/2 | \$3.96 | RT 12 R1/2 | \$4.23 | YC 12 R1/2 | \$3.96 |










STC Composite Push-In Fittings List Price

| Composite Fittings Model | | Universal Elbow | | Extended Elbow | | Female Connector | | Female Elbow | | Bulkhead Connector | | Control Valve CV=meter-out; CI= meter-in | |
|--------------------------|-----------|-----------------|--------|----------------|--------|------------------|--------|---------------|--------|--------------------|--------|---|--------|
| Tube OD | Pipe Size | UE | | EE | | FC | | FE | | BC | | CV or CI | |
| 1/8 | 10-32UNF | UE 1/8 10-32 | \$2.28 | | | | | | | | | CV 1/8 10-32 | \$5.61 |
| 1/8 | NPT1/8 | UE 1/8 N1/8 | \$2.28 | | | | | | | BC 1/8 N1/8 | \$2.41 | CV 1/8 N1/8 | \$5.61 |
| 5/32 | 10-32UNF | UE 5/32 10-32 | \$2.28 | EE 5/32 10-32 | \$1.82 | FC 5/32 10-32 | \$1.28 | FE 5/32 10-32 | \$1.82 | | | CV 5/32 10-32 | \$5.61 |
| 5/32 | NPT1/8 | UE 5/32 N1/8 | \$2.28 | EE 5/32 N1/8 | \$1.82 | FC 5/32 N1/8 | \$1.28 | FE 5/32 N1/8 | \$1.82 | BC 5/32 N1/8 | \$2.41 | CV 5/32 N1/8 | \$5.61 |
| 5/32 | NPT1/4 | | | | | FC 5/32 N1/4 | \$1.28 | FE 5/32 N1/4 | \$1.82 | BC 5/32 N1/4 | \$2.41 | | |
| 3/16 | 10-32UNF | UE 3/16 10-32 | \$2.73 | | | | | FE 3/16 10-32 | \$1.82 | | | | |
| 3/16 | NPT1/8 | UE 3/16 N1/8 | \$2.73 | EE 3/16 N1/8 | \$1.82 | | | FE 3/16 N1/8 | \$1.82 | BC 3/16 N1/8 | \$2.41 | CV 3/16 N1/8 | \$5.61 |
| 3/16 | NPT1/4 | UE 3/16 N1/4 | \$2.73 | EE 3/16 N1/4 | \$1.82 | | | FE 3/16 N1/4 | \$1.82 | BC 3/16 N1/4 | \$2.41 | | |
| 3/16 | NPT3/8 | | | EE 3/16 N3/8 | \$2.30 | | | | | | | | |
| 1/4 | 10-32UNF | UE 1/4 10-32 | \$2.73 | | | | | FE 1/4 10-32 | \$1.82 | | | CV 1/4 10-32 | \$5.61 |
| 1/4 | NPT1/8 | UE 1/4 N1/8 | \$2.73 | EE 1/4 N1/8 | \$1.82 | FC 1/4 N1/8 | \$1.28 | FE 1/4 N1/8 | \$1.82 | BC 1/4 N1/8 | \$2.88 | CV 1/4 N1/8 | \$6.06 |
| 1/4 | NPT1/4 | UE 1/4 N1/4 | \$3.11 | EE 1/4 N1/4 | \$1.82 | FC 1/4 N1/4 | \$1.45 | FE 1/4 N1/4 | \$1.82 | BC 1/4 N1/4 | \$3.29 | CV 1/4 N1/4 | \$6.06 |
| 1/4 | NPT3/8 | | | EE 1/4 N3/8 | \$2.30 | | | FE 1/4 N3/8 | \$2.30 | | | CV 1/4 N3/8 | \$7.73 |
| 5/16 | NPT1/8 | UE 5/16 N1/8 | \$2.84 | EE 5/16 N1/8 | \$1.96 | FC 5/16 N1/8 | \$1.46 | FE 5/16 N1/8 | \$1.96 | BC 5/16 N1/8 | \$3.00 | CV 5/16 N1/8 | \$6.06 |
| 5/16 | NPT1/4 | UE 5/16 N1/4 | \$2.84 | EE 5/16 N1/4 | \$1.96 | FC 5/16 N1/4 | \$1.46 | FE 5/16 N1/4 | \$1.96 | BC 5/16 N1/4 | \$3.29 | CV 5/16 N1/4 | \$6.06 |
| 5/16 | NPT3/8 | UE 5/16 N3/8 | \$3.39 | EE 5/16 N3/8 | \$2.16 | FC 5/16 N3/8 | \$1.73 | FE 5/16 N3/8 | \$2.16 | | | CV 5/16 N3/8 | \$7.73 |
| 3/8 | NPT1/8 | | | | | | | | | | | | |
| 3/8 | NPT1/4 | UE 3/8 N1/4 | \$3.39 | EE 3/8 N1/4 | \$2.71 | FC 3/8 N1/4 | \$1.95 | FE 3/8 N1/4 | \$2.71 | BC 3/8 N1/4 | \$3.29 | CV 3/8 N1/4 | \$6.62 |
| 3/8 | NPT3/8 | UE 3/8 N3/8 | \$3.66 | EE 3/8 N3/8 | \$2.71 | FC 3/8 N3/8 | \$1.95 | FE 3/8 N3/8 | \$2.71 | BC 3/8 N3/8 | \$3.88 | CV 3/8 N3/8 | \$7.73 |
| 3/8 | NPT1/2 | | | EE 3/8 N1/2 | \$4.06 | | | FE 3/8 N1/2 | \$4.06 | | | CV 3/8 N1/2 | \$9.23 |
| 1/2 | NPT1/4 | | | EE 1/2 N1/4 | \$4.06 | FC 1/2 N1/4 | \$2.95 | | | | | | |
| 1/2 | NPT3/8 | UE 1/2 N3/8 | \$3.96 | EE 1/2 N3/8 | \$4.06 | FC 1/2 N3/8 | \$2.95 | | | BC 1/2 N3/8 | \$4.16 | CV 1/2 N3/8 | \$8.84 |
| 1/2 | NPT1/2 | UE 1/2 N1/2 | \$4.23 | EE 1/2 N1/2 | \$4.06 | | | | | BC 1/2 N1/2 | \$4.46 | CV 1/2 N1/2 | \$9.23 |
| 4 mm | M5X0.8 | UE 4 M5 | \$2.28 | EE 4 M5 | \$1.82 | | | FE 4 M5 | \$1.82 | | | CV 4 M5 | \$5.61 |
| 4 mm | M6X1 | UE 4 M6 | \$2.28 | EE 4 M6 | \$1.82 | | | FE 4 M6 | \$1.82 | | | CV 4 M6 | \$5.61 |
| 4 mm | R1/8 | UE 4 R1/8 | \$2.28 | EE 4 R1/8 | \$1.82 | FC 4 R1/8 | \$1.28 | FE 4 R1/8 | \$1.82 | BC 4 R1/8 | \$2.41 | CV 4 R1/8 | \$5.61 |
| 4 mm | R1/4 | UE 4 R1/4 | \$2.73 | EE 4 R1/4 | \$1.82 | FC 4 R1/4 | \$1.28 | FE 4 R1/4 | \$1.82 | BC 4 R1/4 | \$2.41 | CV 4 R1/4 | \$6.06 |
| 6 mm | M5X0.8 | UE 6 M5 | \$2.73 | EE 6 M5 | \$1.82 | | | FE 6 M5 | \$1.82 | | | CV 6 M5 | \$5.61 |
| 6 mm | M6X1 | UE 6 M6 | \$2.73 | EE 6 M6 | \$1.82 | | | FE 6 M6 | \$1.82 | | | CV 6 M6 | \$5.61 |
| 6 mm | R1/8 | UE 6 R1/8 | \$2.73 | EE 6 R1/8 | \$1.82 | FC 6 R1/8 | \$1.28 | FE 6 R1/8 | \$1.82 | BC 6 R1/8 | \$2.88 | CV 6 R1/8 | \$6.06 |
| 6 mm | R1/4 | UE 6 R1/4 | \$3.11 | EE 6 R1/4 | \$1.82 | FC 6 R1/4 | \$1.45 | FE 6 R1/4 | \$1.82 | BC 6 R1/4 | \$3.29 | CV 6 R1/4 | \$6.06 |
| 6 mm | R3/8 | UE 6 R3/8 | \$3.39 | EE 6 R3/8 | \$2.30 | FC 6 R3/8 | \$1.73 | FE 6 R3/8 | \$2.30 | BC 6 R3/8 | \$3.59 | CV 6 R3/8 | \$7.73 |
| 6 mm | R1/2 | | | EE 6 R1/2 | \$3.59 | | | | | | | | |
| 8 mm | R1/8 | UE 8 R1/8 | \$2.84 | EE 8 R1/8 | \$1.96 | FC 8 R1/8 | \$1.46 | FE 8 R1/8 | \$1.96 | BC 8 R1/8 | \$3.00 | CV 8 R1/8 | \$6.06 |
| 8 mm | R1/4 | UE 8 R1/4 | \$2.84 | EE 8 R1/4 | \$1.96 | FC 8 R1/4 | \$1.46 | FE 8 R1/4 | \$1.96 | BC 8 R1/4 | \$3.29 | CV 8 R1/4 | \$6.06 |
| 8 mm | R3/8 | UE 8 R3/8 | \$3.39 | EE 8 R3/8 | \$2.16 | FC 8 R3/8 | \$1.73 | FE 8 R3/8 | \$2.16 | BC 8 R3/8 | \$3.59 | CV 8 R3/8 | \$6.06 |
| 8 mm | R1/2 | UE 8 R1/2 | \$3.96 | EE 8 R1/2 | \$3.59 | FC 8 R1/2 | \$2.84 | | | BC 8 R1/2 | \$4.16 | CV 8 R1/2 | \$7.73 |
| 10 mm | R1/8 | | | EE 10 R1/8 | \$2.71 | FC 10 R1/8 | \$1.95 | FE 10 R1/8 | \$2.71 | BC 10 R1/8 | \$3.29 | | |
| 10 mm | R1/4 | UE 10 R1/4 | \$3.39 | EE 10 R1/4 | \$2.71 | FC 10 R1/4 | \$1.95 | FE 10 R1/4 | \$2.71 | BC 10 R1/4 | \$3.59 | CV 10 R1/4 | \$6.62 |
| 10 mm | R3/8 | UE 10 R3/8 | \$3.66 | EE 10 R3/8 | \$2.71 | FC 10 R3/8 | \$1.95 | FE 10 R3/8 | \$2.71 | BC 10 R3/8 | \$3.88 | CV 10 R3/8 | \$7.73 |
| 10 mm | R1/2 | UE 10 R1/2 | \$3.96 | EE 10 R1/2 | \$4.06 | FC 10 R1/2 | \$2.95 | FE 10 R1/2 | \$4.06 | BC 10 R1/2 | \$4.16 | CV 10 R1/2 | \$9.23 |
| 12 mm | R1/4 | UE 12 R1/4 | \$3.96 | EE 12 R1/4 | \$4.06 | FC 12 R1/4 | \$2.95 | FE 12 R1/4 | \$4.06 | BC 12 R1/4 | \$3.88 | CV 12 R1/4 | \$8.84 |
| 12 mm | R3/8 | UE 12 R3/8 | \$3.96 | EE 12 R3/8 | \$4.06 | FC 12 R3/8 | \$2.95 | FE 12 R3/8 | \$4.06 | BC 12 R3/8 | \$4.16 | CV 12 R3/8 | \$8.84 |
| 12 mm | R1/2 | UE 12 R1/2 | \$4.23 | EE 12 R1/2 | \$4.06 | FC 12 R1/2 | \$2.95 | FE 12 R1/2 | \$4.06 | BC 12 R1/2 | \$4.46 | CV 12 R1/2 | \$9.23 |





STC Composite Push-In Fittings List Price






| | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---------|-----------------------|--------|---------------------|-------------|--------------|--------|
| Composite Fittings |  |  |  |  |  |  |  | | | | | | | |
| Model | Flow Valve | | Bulkhead Union | | Cross Union | | Elbow Union | | Tee Union | | Y Union | | Plug | |
| Tube OD | FV | | BU | | CU | | EU | | TU | | YU | | PG | |
| 1/8 | FV 1/8 | \$6.50 | BU 1/8 | \$2.36 | CU 1/8 | \$2.80 | EU 1/8 | \$1.20 | TU 1/8 | \$1.78 | YU 1/8 | \$1.78 | PG 1/8 | \$0.50 |
| 5/32 | FV 5/32 | \$6.50 | BU 5/32 | \$2.36 | CU 5/32 | \$2.80 | EU 5/32 | \$1.20 | TU 5/32 | \$1.78 | YU 5/32 | \$1.78 | PG 5/32 | \$0.50 |
| 3/16 | FV 3/16 | \$6.50 | BU 3/16 | \$2.36 | CU 3/16 | \$2.80 | EU 3/16 | \$1.20 | TU 3/16 | \$1.78 | YU 3/16 | \$1.78 | PG 3/16 | \$0.50 |
| 1/4 | FV 1/4 | \$6.70 | BU 1/4 | \$2.36 | CU 1/4 | \$2.80 | EU 1/4 | \$1.26 | TU 1/4 | \$1.78 | YU 1/4 | \$1.78 | PG 1/4 | \$0.50 |
| 5/16 | FV 5/16 | \$6.70 | BU 5/16 | \$2.86 | CU 5/16 | \$2.80 | EU 5/16 | \$1.45 | TU 5/16 | \$1.78 | YU 5/16 | \$1.78 | PG 5/16 | \$0.60 |
| 3/8 | FV 3/8 | \$6.80 | BU 3/8 | \$3.46 | CU 3/8 | \$3.50 | EU 3/8 | \$1.67 | TU 3/8 | \$2.22 | YU 3/8 | \$2.22 | PG 3/8 | \$0.60 |
| 1/2 | FV 1/2 | \$8.80 | BU 1/2 | \$3.56 | CU 1/2 | \$3.90 | EU 1/2 | \$1.95 | TU 1/2 | \$2.78 | YU 1/2 | \$2.78 | PG 1/2 | \$0.60 |
| 4 mm | FV 04 | \$6.70 | BU 4 | \$2.36 | CU 4 | \$2.80 | EU 4 | \$1.20 | TU 4 | \$1.78 | YU 4 | \$1.78 | PG 4 | \$0.50 |
| 6 mm | FV 06 | \$6.70 | BU 6 | \$2.36 | CU 6 | \$2.80 | EU 6 | \$1.26 | TU 6 | \$1.78 | YU 6 | \$1.78 | PG 6 | \$0.50 |
| 8 mm | FV 08 | \$6.80 | BU 8 | \$2.86 | CU 8 | \$3.50 | EU 8 | \$1.45 | TU 8 | \$1.78 | YU 8 | \$1.78 | PG 8 | \$0.60 |
| 10 mm | FV 10 | \$6.80 | BU 10 | \$3.46 | CU 10 | \$3.70 | EU 10 | \$1.67 | TU 10 | \$2.22 | YU 10 | \$2.22 | PG10 | \$0.60 |
| 12 mm | FV 12 | \$8.80 | BU 12 | \$3.56 | CU 12 | \$3.90 | EU 12 | \$1.95 | TU 12 | \$2.78 | YU 12 | \$2.78 | PG 12 | \$0.60 |
| Composite Fittings |  |  |  |  |  | |  | | | | | | | |
| Model | Straight Union | | Reduced Union | | Reduced Branch | | Manifold Union | | Male Manifold | | Polyurethane Tubing | | | |
| Tube OD | SU | | RU | | RB | | MU | | MM | | Size, OD | Price/100ft | Price/500 ft | |
| 1/8 | SU 1/8 | \$1.20 | RU 5/32-1/8 | \$1.45 | RB 5/32-1/8 | \$2.33 | MU 5/32X1/8 | \$3.60 | MM 1/4-5/32-N1/8 | \$4.00 | 1/8 | \$7.90 | \$39.50 | |
| 5/32 | SU 5/32 | \$1.20 | RU 3/16-5/32 | \$1.45 | RB 3/16-5/32 | \$2.33 | MU 1/4X5/32 | \$3.60 | MM 5/16-5/32-N1/4 | \$4.10 | 5/32 | \$7.90 | \$39.50 | |
| 3/16 | SU 3/16 | \$1.20 | RU 1/4-5/32 | \$1.45 | RB 1/4-5/32 | \$2.33 | MU 5/16X5/32 | \$3.60 | MM 5/16-1/4-N1/4 | \$4.10 | 1/4 | \$16.60 | \$83.00 | |
| 1/4 | SU 1/4 | \$1.26 | RU 1/4-3/16 | \$1.67 | RB 1/4-3/16 | \$2.33 | MU 5/16X1/4 | \$3.60 | | | 5/16 | \$23.40 | \$117.00 | |
| 5/16 | SU 5/16 | \$1.45 | RU 5/16-1/4 | \$1.67 | RB 5/16-1/4 | \$2.33 | MU 3/8X1/4 | \$5.00 | | | 3/8 | \$34.78 | \$173.90 | |
| 3/8 | SU 3/8 | \$1.67 | RU 3/8-1/4 | \$1.95 | RB 3/8-1/4 | \$2.78 | | | | | 1/2 | \$55.64 | \$278.20 | |
| 1/2 | SU 1/2 | \$1.95 | RU 3/8-5/16 | \$1.95 | RB 3/8-5/16 | \$2.78 | | | | | | | | |
| 4 mm | SU 4 | \$1.20 | RU 1/2-3/8 | \$2.22 | RB 1/2-3/8 | \$3.33 | MU 6-4 | \$3.60 | MM 06-04-R1/8 | \$4.10 | 4mm | \$7.90 | \$39.50 | |
| 6 mm | SU 6 | \$1.26 | RU 6-4 | \$1.45 | RB 6-4 | \$2.33 | MU 8-4 | \$3.60 | MM 08-04-R1/4 | \$4.10 | 6mm | \$13.90 | \$69.50 | |
| 8 mm | SU 8 | \$1.45 | RU 8-6 | \$1.67 | RB 8-6 | \$2.33 | MU 8-6 | \$4.10 | MM 08-06-R3/8 | \$5.30 | 8mm | \$23.40 | \$117.00 | |
| 10 mm | SU 10 | \$1.67 | RU 10-8 | \$1.95 | RB 10-8 | \$2.78 | MU 10-6 | \$4.70 | MM 10-08-R3/8 | \$5.60 | 10mm | \$41.72 | \$208.60 | |
| 12 mm | SU 12 | \$1.95 | RU 12-10 | \$2.22 | RB 12-10 | \$3.33 | MU 10-8 | \$4.70 | | | 12mm | \$55.64 | \$278.20 | |
| Composite Fittings |  |  |  |  | | | | | | | | | | |
| Name | Union Valve | | Outlet Valve | | Inlet Valve | | Plug Valve | | | | | | | |
| MODEL | UV | | OV | | IV | | PV | | | | | | | |
| 1/4 | UV 1/4-1/4 | \$10.60 | OV 1/4-N1/4 | \$10.60 | IV 1/4-N1/4 | \$10.60 | PV N1/4-N1/4 | \$11.80 | | | | | | |
| 6 mm | UV 6-6 | \$10.60 | | | | | | | | | | | | |
| Metal Fittings |  |  |  |  |  |  | | | | | | | | |
| Name | Quick Exhaust | | Shuttle Valve | | In-line Flow Control | | In-line Flow Control | | Speed Control Muffler | | Muffler | | | |
| MODEL | QE | | ST | | ASC | | AS | | BESL | | BSL | | | |
| PORT | NPT | | NPT | | NPT | | NPT | | NPT | | NPT | | | |
| 1/8 | QE N1/8 | \$12.42 | ST N1/8 | \$12.42 | ASC N1/8 | \$11.70 | AS N1/8 | \$7.52 | BESL N1/8 | \$2.28 | BSL N1/8 | \$0.56 | | |
| 1/4 | QE N1/4 | \$14.04 | ST N1/4 | \$14.04 | ASC N1/4 | \$11.70 | AS N1/4 | \$7.52 | BESL N1/4 | \$2.88 | BSL N1/4 | \$0.72 | | |
| 3/8 | QE N3/8 | \$14.04 | ST N3/8 | \$14.04 | ASC N3/8 | \$13.50 | AS N3/8 | \$9.00 | BESL N3/8 | \$4.14 | BSL N3/8 | \$1.26 | | |
| 1/2 | QE N1/2 | \$16.00 | ST N1/2 | \$16.00 | ASC N1/2 | \$16.20 | AS N1/2 | \$14.09 | BESL N1/2 | \$5.70 | BSL N1/2 | \$1.74 | | |

STC Stainless Steel Push-In Fittings List Price

| Stainless Steel Push-In Fittings List Price | | | | | | | | | | |
|---|---|------------|---|------------|---|------------|--|------------|---|------------|
| Stainless Steel Fittings |  | |  | |  | |  | | | |
| Name | Bulkhead Union | | Elbow Union | | Straight Union | | Tee Union | | | |
| Tube OD | Part No. | Unit Price | Part No. | Unit Price | Part No. | Unit Price | Part No. | Unit Price | | |
| 5/32" | BUS 5/32 | \$11.46 | EUS 5/32 | \$13.74 | SUS 5/32 | \$7.74 | TUS 5/32 | \$16.86 | | |
| 1/4" | BUS 1/4 | \$13.50 | EUS 1/4 | \$15.78 | SUS 1/4 | \$8.64 | TUS 1/4 | \$19.38 | | |
| 5/16" | BUS 5/16 | \$17.28 | EUS 5/16 | \$16.50 | SUS 5/16 | \$9.42 | TUS 5/16 | \$21.90 | | |
| 3/8" | BUS 3/8 | \$18.36 | EUS 3/8 | \$18.00 | SUS 3/8 | \$10.20 | TUS 3/8 | \$24.36 | | |
| 1/2" | BUS 1/2 | 23.70 | EUS 1/2 | \$20.70 | SUS 1/2 | \$12.36 | TUS 1/2 | \$28.50 | | |
| 4 mm | BUS 4 | \$11.46 | EUS 4 | \$13.74 | SUS 4 | \$7.74 | TUS 4 | \$16.86 | | |
| 6 mm | BUS 6 | \$13.50 | EUS 6 | \$15.78 | SUS 6 | \$8.64 | TUS 6 | \$19.38 | | |
| 8 mm | BUS 8 | \$17.28 | EUS 8 | \$16.50 | SUS 8 | \$9.42 | TUS 8 | \$21.90 | | |
| | | | | | | | | | | |
| Stainless Steel Fittings |  | |  | |  | |  | |  | |
| Name | Branch Tee | | Female Connector | | Male Connector | | Male Elbow, Swivel | | Y Connector, Swivel | |
| Tube OD X Thread | Part No. | Unit Price | Part No. | Unit Price | Part No. | Unit Price | Part No. | Unit Price | Part No. | Unit Price |
| 5/32" X 10-32 | BTS 5/32 10-32 | \$5.28 | FCS 5/32 10-32 | \$5.28 | MCS 5/32 10-32 | \$5.28 | MES 5/32 10-32 | \$11.94 | YCS 5/32 10-32 | |
| 5/32" X 1/8" NPT | BTS 5/32 N1/8 | \$5.28 | FCS 5/32 N1/8 | \$5.28 | MCS 5/32 N1/8 | \$5.28 | MES 5/32 N1/8 | \$11.94 | YCS 5/32 N1/8 | |
| 1/4" X 1/8" NPT | BTS 1/4 N1/8 | \$6.00 | FCS 1/4 N1/8 | \$6.00 | MCS 1/4 N1/8 | \$6.00 | MES 1/4 N1/8 | \$12.72 | YCS 1/4 N1/8 | |
| 1/4" X 1/4" NPT | BTS 1/4 N1/4 | \$6.00 | FCS 1/4 N1/4 | \$6.00 | MCS 1/4 N1/4 | \$6.00 | MES 1/4 N1/4 | \$13.74 | YCS 1/4 N1/4 | |
| 1/4" X 3/8" NPT | BTS 1/4 N3/8 | \$6.54 | FCS 1/4 N3/8 | \$6.54 | MCS 1/4 N3/8 | \$6.54 | MES 1/4 N3/8 | \$14.28 | YCS 1/4 N3/8 | |
| 5/16" X 1/4" NPT | BTS 5/16 N1/4 | | FCS 5/16 N1/4 | | MCS 5/16 N1/4 | \$7.98 | MES 5/16 N1/4 | \$15.00 | YCS 5/16 N1/4 | |
| 5/16" X 3/8" NPT | BTS 5/16 N3/8 | | FCS 5/16 N3/8 | | MCS 5/16 N3/8 | | MES 5/16 N3/8 | | YCS 5/16 N3/8 | |
| 3/8" X 1/4" NPT | BTS 3/8 N1/4 | \$7.98 | FCS 3/8 N1/4 | \$7.98 | MCS 3/8 N1/4 | \$7.98 | MES 3/8 N1/4 | \$15.90 | YCS 3/8 N1/4 | |
| 3/8" X 3/8" NPT | BTS 3/8 N3/8 | \$8.10 | FCS 3/8 N3/8 | \$8.10 | MCS 3/8 N3/8 | \$8.10 | MES 3/8 N3/8 | \$16.50 | YCS 3/8 N3/8 | |
| 3/8" X 1/2" NPT | BTS 3/8 N1/2 | \$9.12 | FCS 3/8 N1/2 | \$9.12 | MCS 3/8 N1/2 | \$9.12 | MES 3/8 N1/2 | \$18.90 | YCS 3/8 N1/2 | |
| 1/2" X 3/8" NPT | BTS 1/2 N3/8 | \$9.78 | FCS 1/2 N3/8 | \$9.78 | MCS 1/2 N3/8 | \$9.78 | MES 1/2 N3/8 | \$20.26 | YCS 1/2 N3/8 | |
| 1/2" X 1/2" NPT | BTS 1/2 N1/2 | \$12.90 | FCS 1/2 N1/2 | \$12.90 | MCS 1/2 N1/2 | \$12.90 | MES 1/2 N1/2 | \$23.10 | YCS 1/2 N1/2 | |
| 4 mm X 10-32 | BTS 4 M5 | \$5.28 | FCS 4 M5 | \$5.28 | MCS 4 M5 | \$5.28 | MES 4 M5 | \$11.94 | YCS 4 M5 | |
| 4 mm X 1/8" NPT | BTS 4 N1/8 | \$5.28 | FCS 4 N1/8 | \$5.28 | MCS 4 N1/8 | \$5.28 | MES 4 N1/8 | \$11.94 | YCS 4 N1/8 | |
| 8 mm X 1/4" NPT | BTS 8 N1/4 | | FCS 8 N1/4 | | MCS 8 N1/4 | \$7.98 | MES 8 N1/4 | \$15.00 | YCS 8 N1/4 | |
| 8 mm X 3/8" NPT | BTS 8 N3/8 | | FCS 8 N3/8 | | MCS 8 N3/8 | | MES 8 N3/8 | | YCS 8 N3/8 | |

STC Nickel-Plated Brass Push-In Fittings List Price

| Brass Fittings | | | | | | | | | | |
|---|---|------------|---|------------|--|------------|-----------|------------|--|--|
|  |  | |  | |  | | | | | |
| Name | Bulkhead Union | | Elbow Union | | Straight Union | | Tee Union | | | |
| Tube OD | Part No. | Unit Price | Part No. | Unit Price | Part No. | Unit Price | Part No. | Unit Price | | |
| 5/32" | BUB 5/32 | \$2.10 | EUB 5/32 | \$2.52 | SUB 5/32 | \$1.50 | TUB 5/32 | \$3.12 | | |
| 1/4" | BUB 1/4 | \$2.46 | EUB 1/4 | \$2.88 | SUB 1/4 | \$1.68 | TUB 1/4 | \$3.54 | | |
| 5/16" | BUB 5/16 | \$2.52 | EUB 5/16 | \$2.88 | SUB 5/16 | \$1.68 | TUB 5/16 | \$4.14 | | |
| 3/8" | BUB 3/8 | \$3.90 | EUB 3/8 | \$3.78 | SUB 3/8 | \$2.34 | TUB 3/8 | \$4.74 | | |
| 1/2" | BUB 1/2 | \$4.32 | EUB 1/2 | \$4.08 | SUB 1/2 | \$2.88 | TUB 1/2 | \$5.52 | | |
| 4 mm | BUB 4 | \$2.10 | EUB 4 | \$2.52 | SUB 4 | \$1.50 | TUB 4 | \$3.12 | | |
| 6 mm | BUB 6 | \$2.46 | EUB 6 | \$2.88 | SUB 6 | \$1.68 | TUB 6 | \$3.54 | | |
| 8 mm | BUB 8 | \$2.52 | EUB 8 | \$2.88 | SUB 8 | \$1.68 | TUB 8 | \$4.14 | | |

| Brass Fittings | | | | | | | | | | |
|---|---|------------|---|------------|--|------------|---|------------|---------------------|------------|
|  |  | |  | |  | |  | | | |
| Name | Branch Tee | | Female Connector | | Male Connector | | Male Elbow, Swivel | | Y Connector, Swivel | |
| Tube OD X Thread | Part No. | Unit Price | Part No. | Unit Price | Part No. | Unit Price | Part No. | Unit Price | Part No. | Unit Price |
| 5/32" X 10-32 | BTB 5/32 10-32 | \$3.00 | FCB 5/32 10-32 | | MCB 5/32 10-32 | \$1.08 | MEB 5/32 10-32 | \$2.46 | YCB 5/32 10-32 | \$3.36 |
| 5/32" X 1/8" NPT | BTB 5/32 N1/8 | \$3.00 | FCB 5/32 N1/8 | | MCB 5/32 N1/8 | \$1.08 | MEB 5/32 N1/8 | \$2.52 | YCB 5/32 N1/8 | \$3.36 |
| 1/4" X 1/8" NPT | BTB 1/4 N1/8 | \$3.48 | FCB 1/4 N1/8 | \$1.26 | MCB 1/4 N1/8 | \$1.26 | MEB 1/4 N1/8 | \$2.76 | YCB 1/4 N1/8 | \$3.90 |
| 1/4" X 1/4" NPT | BTB 1/4 N1/4 | \$3.48 | FCB 1/4 N1/4 | \$1.26 | MCB 1/4 N1/4 | \$1.44 | MEB 1/4 N1/4 | \$3.00 | YCB 1/4 N1/4 | \$3.90 |
| 1/4" X 3/8" NPT | BTB 1/4 N3/8 | | FCB 1/4 N3/8 | | MCB 1/4 N3/8 | \$1.68 | MEB 1/4 N3/8 | \$3.30 | YCB 1/4 N3/8 | \$4.08 |
| 5/16" X 1/4" NPT | BTB 5/16 N1/4 | \$3.48 | FCB 5/16 N1/4 | | MCB 5/16 N1/4 | \$1.62 | MEB 5/16 N1/4 | \$3.72 | YCB 5/16 N1/4 | |
| 5/16" X 3/8" NPT | BTB 5/16 N3/8 | | FCB 5/16 N3/8 | | MCB 5/16 N3/8 | \$1.74 | MEB 5/16 N3/8 | \$3.78 | YCB 5/16 N3/8 | |
| 3/8" X 1/4" NPT | BTB 3/8 N1/4 | \$4.50 | FCB 3/8 N1/4 | | MCB 3/8 N1/4 | \$1.86 | MEB 3/8 N1/4 | \$4.08 | YCB 3/8 N1/4 | \$5.10 |
| 3/8" X 3/8" NPT | BTB 3/8 N3/8 | \$4.50 | FCB 3/8 N3/8 | \$1.74 | MCB 3/8 N3/8 | \$1.98 | MEB 3/8 N3/8 | \$4.20 | YCB 3/8 N3/8 | \$5.16 |
| 3/8" X 1/2" NPT | BTB 3/8 N1/2 | | FCB 3/8 N1/2 | | MCB 3/8 N1/2 | \$2.64 | MEB 3/8 N1/2 | \$4.68 | YCB 3/8 N1/2 | \$5.40 |
| 1/2" X 3/8" NPT | BTB 1/2 N3/8 | | FCB 1/2 N3/8 | | MCB 1/2 N3/8 | \$2.10 | MEB 1/2 N3/8 | \$4.56 | YCB 1/2 N3/8 | |
| 1/2" X 1/2" NPT | BTB 1/2 N1/2 | | FCB 1/2 N1/2 | | MCB 1/2 N1/2 | \$2.88 | MEB 1/2 N1/2 | \$4.92 | YCB 1/2 N1/2 | |
| 4 mm X M5 | BTB 4 M5 | \$3.00 | FCB 4 M5 | | MCB 4 M5 | \$1.08 | MEB 4 M5 | \$2.46 | YCB 4 M5 | \$3.36 |
| 4 X 1/8" NPT | BTB 4 N1/8 | \$3.00 | FCB 4 N1/8 | | MCB 4 N1/8 | \$1.08 | MEB 4 N1/8 | \$2.52 | YCB 4 N1/8 | \$3.36 |
| 8 mm X 1/4" NPT | BTB 8 N1/4 | \$3.48 | FCB 8 N1/4 | | MCB 8 N1/4 | \$1.62 | MEB 8 N1/4 | \$3.72 | YCB 8 N1/4 | |
| 8 mm X 3/8" NPT | BTB 8 N3/8 | | FCB 8 N3/8 | | MCB 8 N3/8 | \$1.74 | MEB 8 N3/8 | \$3.78 | YCB 8 N3/8 | |

Composite, Stainless Steel, and Nickel-Plated Brass Push-In Fittings Specifications

A. Installation of Pipe Fittings:

1. Tighten fitting by hand, then turn it 2 to 3 turns with a wrench until it reaches the desire torque listed. If the fitting is not pre-coated with sealant, or is used and the sealant is not I good condition, apply Teflon sealant tape to the threads.

| Recommendation of Torque for Tightening Fittings | | |
|--|---------------|----------------|
| Fitting Thread Size | Torque, lb-ft | Torque, kgf/cm |
| 10-32, M5 -M6 | 1.0 -1.5 | 14 -21 |
| NPT1/8, R1/8 | 5 -6.5 | 70 -90 |
| NPT1/4, R1/4 | 8.5 -10 | 120 -140 |
| NPT3/8, R3/8 | 16 -17.5 | 220 -240 |
| NPT1/2, R1/2 | 20 -21.5 | 280 -300 |

B. Installation of Tubing into Fitting:

1. Slowly push a clean and perpendicularly cut tubing into the fitting until it comes to a dead stop.
2. Pull the tubing back gently until the Grip Ring or Collet of the fitting grips onto the tubing and has a good seal.
3. Use Polyethylene, Polypropylene, Polyurethane or Nylon Tubing designed for instant fittings.
Hard metal tubing can be used for all metal Stainless Steel and all Brass fittings if tubing is pre-grooved.

C. Removal of Tubing from Fitting:

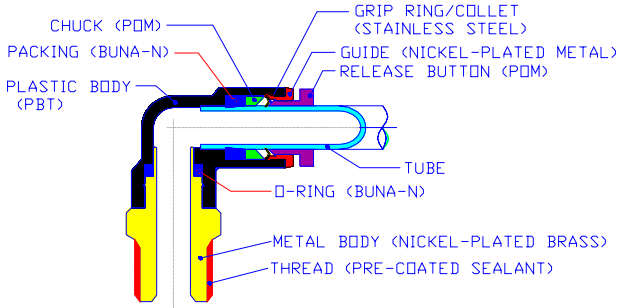
1. Push in evenly on the two long oval sides of the Release Button.
2. Pull out the tube while keeping the Release Button depressed.
3. To reuse the tubing; cut off the lodged portion of the previously used tubing evenly and perpendicularly.

D. Recommended Tubing Material, Size and Hardness Requirements:

| Tubing Material | Specified Size | Hardness (Durometer) |
|--------------------------|-------------------------|----------------------|
| Polyurethane | +/- 0.006" (+/-0.15 mm) | Shore A 85 or higher |
| Polyethylene | +/- 0.004" (+/-0.1 mm) | Shore D 44 or higher |
| Polypropylene | +/- 0.004" (+/-0.1 mm) | Shore D 44 or higher |
| Nylon | +/- 0.004" (+/-0.1 mm) | Shore D 44 or higher |
| Pre-grooved Metal Tubing | +/- 0.004" (+/-0.1 mm) | |

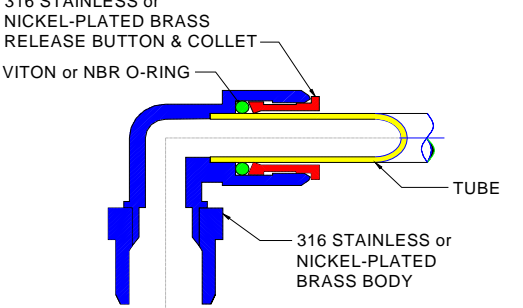
E. Specifications, Materials of Construction and Schematic of Typical Construction:

| | Composite Fittings | Stainless Steel Fittings | Nickel-Plated Brass Fittings |
|-----------------------------|--|--|------------------------------|
| Operating Pressure Range | 0 - 150 PSI (0 - 990 kpa) | 0 - 250 PSI (0 - 1650 kpa) | 0 - 250 PSI (0 - 1650 kpa) |
| Vacuum | 0 - 29.5 in Hg (750 mm Hg) | 0 - 29.5 in Hg (750 mm Hg) | 0 - 29.5 in Hg (750 mm Hg) |
| Operating Temperature | 32 - 140 °F (0 - 60 °C) | 5 - 230 °F (-15 to 110 °C) | 5 - 230 °F (-15 to 110 °C) |
| Recommended Tubing Material | Polyurethane, Nylon, Polyethylene, Polypropylene | Polyurethane, Nylon, Polyethylene, Polypropylene, and Hard metal tubing (tubing must be pre-grooved) | |
| Metal Body | Brass, Nickel Plated | T316 Stainless Steel | Nickel-Plated Brass |
| Plastic Body | PBT (Polybutylene terephthalate) | None | None |
| Release Button | POM (poly oxy methylene copolymer) | 300 series Stainless Steel | Nickel-Plated Brass |
| Grip Ring or Collet | 300 series Stainless Steel | 300 series Stainless Steel | 300 series Stainless Steel |
| O-ring | NBR (Buna-N) | VITON | NBR |
| Thread Sealant | Teflon | None | Teflon |



CHUCK (PDM)
PACKING (BUNA-N)
PLASTIC BODY (PBT)
GRIP RING/COLLET (STAINLESS STEEL)
GUIDE (NICKEL-PLATED METAL)
RELEASE BUTTON (PDM)
TUBE
O-RING (BUNA-N)
METAL BODY (NICKEL-PLATED BRASS)
THREAD (PRE-COATED SEALANT)

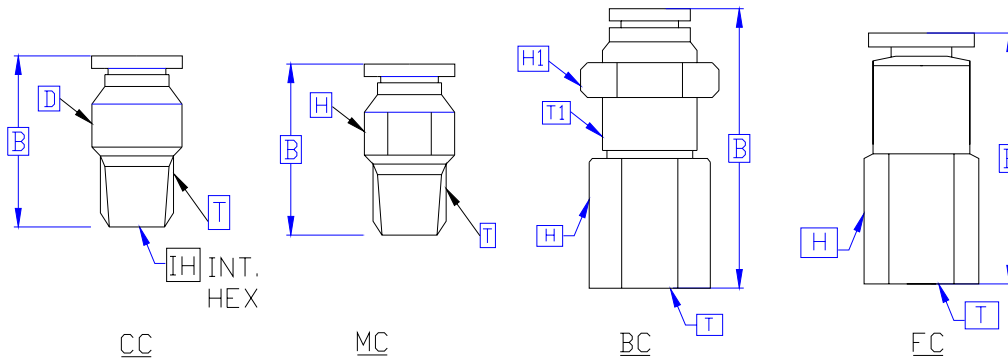
SCHEMATIC OF TYPICAL COMPOSITE FITTING CONSTRUCTION



316 STAINLESS or NICKEL-PLATED BRASS RELEASE BUTTON & COLLET
VITON or NBR O-RING
TUBE
316 STAINLESS or NICKEL-PLATED BRASS BODY

SCHEMATIC OF TYPICAL 316 STAINLESS or NICKEL-PLATED BRASS FITTING CONSTRUCTION

STC Composite Push-In Fittings Dimensions

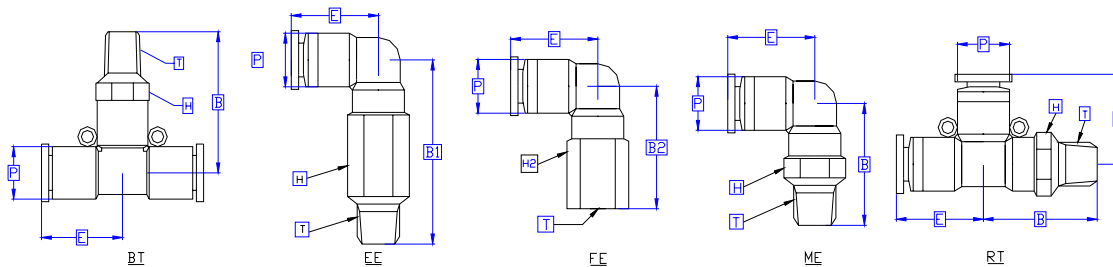


| TUBE OD | T, PIPE SIZE | PART NO. | PART NO. | B | D | H | I H | PART NO. | B | H | H1 | T1 | Part No. | B | H |
|---------|--------------|---------------|---------------|------|------|-------|------|--------------|------|------|------|------|---------------|------|-------|
| 1/8 | 10-32UNF | CC 1/8 10-32 | MC 1/8 10-32 | 0.90 | 0.40 | 7/16 | 5/64 | | | | | | | | |
| 1/8 | NPT1/8 | CC 1/8 N1/8 | MC 1/8 N1/8 | 0.84 | 0.41 | 7/16 | 3/32 | | | | | | | | |
| 1/8 | NPT1/4 | CC 1/8 N1/4 | MC 1/8 N1/4 | 0.92 | | 9/16 | 3/32 | | | | | | | | |
| 5/32 | 10-32UNF | CC 5/32 10-32 | MC 5/32 10-32 | 0.89 | 0.40 | 7/16 | N/A | | | | | | FC 5/32 10-32 | | 7/16 |
| 5/32 | NPT1/8 | CC 5/32 N1/8 | MC 5/32 N1/8 | 0.84 | 0.41 | 7/16 | 3/32 | BC 5/32 N1/8 | 1.05 | 0.56 | 0.55 | 0.47 | FC 5/32 N1/8 | 1.05 | 1/2 |
| 5/32 | NPT1/4 | CC 5/32 N1/4 | MC 5/32 N1/4 | 0.92 | 0.53 | 9/16 | 3/32 | | | | | | FC 5/32 N1/4 | 1.18 | 11/16 |
| 3/16 | 10-32UNF | CC 3/16 10-32 | MC 3/16 10-32 | 0.91 | | 8/16 | N/A | | | | | | | | |
| 3/16 | NPT1/8 | CC 3/16 N1/8 | MC 3/16 N1/8 | 0.93 | | 8/17 | 1/8 | BC 3/16 N1/8 | 1.16 | 0.66 | 0.67 | 0.55 | | | |
| 3/16 | NPT1/4 | CC 3/16 N1/4 | MC 3/16 N1/4 | 0.96 | | 11/20 | 1/8 | BC 3/16 N1/4 | 1.16 | 0.66 | 0.67 | 0.54 | | | |
| 3/16 | NPT3/8 | CC 3/16 N3/8 | MC 3/16 N3/8 | 0.97 | | 11/16 | 5/32 | | | | | | | | |
| 1/4 | 10-32UNF | CC 1/4 10-32 | MC 1/4 10-32 | 0.91 | 0.47 | 1/2 | N/A | | | | | | | | |
| 1/4 | NPT1/8 | CC 1/4 N1/8 | MC 1/4 N1/8 | 0.91 | 0.47 | 1/2 | 5/32 | BC 1/4 N1/8 | 1.08 | 0.66 | 0.67 | 0.54 | FC 1/4 N1/8 | 1.08 | 9/16 |
| 1/4 | NPT1/4 | CC 1/4 N1/4 | MC 1/4 N1/4 | 0.97 | 0.53 | 9/16 | 5/32 | BC 1/4 N1/4 | 1.21 | 0.66 | 0.67 | 0.55 | FC 1/4 N1/4 | 1.21 | 11/16 |
| 1/4 | NPT3/8 | CC 1/4 N3/8 | MC 1/4 N3/8 | 0.97 | | 11/16 | 1/8 | | | | | | | | |
| 5/16 | NPT1/8 | CC 5/16 N1/8 | MC 5/16 N1/8 | 1.09 | | 9/16 | 5/32 | BC 5/16 N1/8 | 1.16 | 0.66 | 0.74 | 0.62 | FC 5/16 N1/8 | 1.16 | 11/16 |
| 5/16 | NPT1/4 | CC 5/16 N1/4 | MC 5/16 N1/4 | 1.01 | | 9/16 | 3/16 | BC 5/16 N1/4 | 1.25 | 0.66 | 0.74 | 0.62 | FC 5/16 N1/4 | 1.25 | 11/16 |
| 5/16 | NPT3/8 | CC 5/16 N3/8 | MC 5/16 N3/8 | 1.01 | | 11/16 | 4/16 | | | | | | FC 5/16 N3/8 | 1.28 | 3/4 |
| 3/8 | NPT1/8 | CC 3/8 N1/8 | MC 3/8 N1/8 | 1.28 | | 11/16 | 5/32 | | | | | | | | |
| 3/8 | NPT1/4 | CC 3/8 N1/4 | MC 3/8 N1/4 | 1.34 | 0.67 | 11/16 | 7/32 | BC 3/8 N1/4 | 1.28 | 0.87 | 0.94 | 0.78 | FC 3/8 N1/4 | 1.28 | 3/4 |
| 3/8 | NPT3/8 | CC 3/8 N3/8 | MC 3/8 N3/8 | 1.24 | 0.67 | 11/16 | 5/16 | BC 3/8 N3/8 | 1.37 | 0.87 | 0.94 | 0.77 | FC 3/8 N3/8 | 1.37 | 3/4 |
| 3/8 | NPT1/2 | CC 3/8 N1/2 | MC 3/8 N1/2 | 1.24 | | 7/8 | 5/16 | | | | | | | | |
| 1/2 | NPT1/4 | CC 1/2 N1/4 | MC 1/2 N1/4 | 1.38 | 0.79 | 7/8 | 1/4 | | | | | | FC 1/2 N1/4 | 1.33 | 7/8 |
| 1/2 | NPT3/8 | CC 1/2 N3/8 | MC 1/2 N3/8 | 1.32 | | 7/8 | 5/16 | BC 1/2 N3/8 | 1.49 | 0.94 | 1.02 | 0.85 | FC 1/2 N3/8 | 1.49 | 7/8 |
| 1/2 | NPT1/2 | CC 1/2 N1/2 | MC 1/2 N1/2 | 1.32 | | 7/8 | 5/16 | BC 1/2 N1/2 | 1.50 | 0.94 | 1.02 | 0.86 | | | |

| TUBE OD | T, PIPE SIZE | PART NO. | PART NO. | B | H | I Hex | PART NO. | B | H | H1 | T1 | Part No. | B | H | |
|---------|--------------|------------|------------|------|---|-------|----------|------------|------|----|----|----------|------------|------|----|
| 4 | M5 | CC 4 M5 | MC 4 M5 | 22.8 | | 10 | N/A | | | | | | | | |
| 4 | M6 | CC 4 M6 | MC 4 M6 | 24.3 | | 10 | N/A | | | | | | | | |
| 4 | R1/8 | CC 4 R1/8 | MC 4 R1/8 | 20.9 | | 10 | 2.5 | BC 4 R1/8 | 27.5 | 14 | 14 | 11.8 | FC 4 R1/8 | 27.5 | 12 |
| 4 | R1/4 | CC 4 R1/4 | MC 4 R1/4 | 23.6 | | 14 | 2.5 | BC 4 R1/4 | 30.1 | 19 | 14 | 11.8 | FC 4 R1/4 | 30.1 | 17 |
| 6 | M5 | CC 6 M5 | MC 6 M5 | 24.1 | | 12 | N/A | | | | | | | | |
| 6 | M6 | CC 6 M6 | MC 6 M6 | 25.8 | | 12 | N/A | | | | | | | | |
| 6 | R1/8 | CC 6 R1/8 | MC 6 R1/8 | 22.3 | | 12 | 4 | BC 6 R1/8 | 28.8 | 17 | 17 | 13.9 | FC 6 R1/8 | 28.8 | 14 |
| 6 | R1/4 | CC 6 R1/4 | MC 6 R1/4 | 22.2 | | 14 | 4 | BC 6 R1/4 | 29.2 | 17 | 17 | 13.8 | FC 6 R1/4 | 29.2 | 17 |
| 6 | R3/8 | CC 6 R3/8 | MC 6 R3/8 | 24.1 | | 17 | 4 | BC 6 R3/8 | 31.2 | 19 | 17 | 13.8 | FC 6 R3/8 | 31.2 | 19 |
| 6 | R1/2 | CC 6 R1/2 | MC 6 R1/2 | 28.4 | | 21 | 4 | | | | | | | | |
| 8 | R1/8 | CC 8 R1/8 | MC 8 R1/8 | 26.2 | | 14 | 4 | BC 8 R1/8 | 29.6 | 17 | 19 | 15.9 | FC 8 R1/8 | 29.6 | 10 |
| 8 | R1/4 | CC 8 R1/4 | MC 8 R1/4 | 25.7 | | 14 | 6 | BC 8 R1/4 | 30.5 | 17 | 19 | 15.9 | FC 8 R1/4 | 30.5 | 17 |
| 8 | R3/8 | CC 8 R3/8 | MC 8 R3/8 | 28.1 | | 17 | 6 | BC 8 R3/8 | 31.7 | 19 | 19 | 15.9 | FC 8 R3/8 | 31.7 | 19 |
| 8 | R1/2 | CC 8 R1/2 | MC 8 R1/2 | 28.0 | | 21 | 6 | BC 8 R1/2 | 36.8 | 24 | 19 | 15.8 | FC 8 R1/2 | 36.8 | 24 |
| 10 | R1/8 | CC 10 R1/8 | MC 10 R1/8 | 28.5 | | 17 | 4 | BC 10 R1/8 | 31.5 | 21 | 24 | 19.8 | FC 10 R1/8 | 31.5 | 19 |
| 10 | R1/4 | CC 10 R1/4 | MC 10 R1/4 | 30.0 | | 17 | 6 | BC 10 R1/4 | 32.7 | 21 | 24 | 19.8 | FC 10 R1/4 | 32.7 | 19 |
| 10 | R3/8 | CC 10 R3/8 | MC 10 R3/8 | 30.8 | | 17 | 8 | BC 10 R3/8 | 38.4 | 21 | 24 | 19.8 | FC 10 R3/8 | 38.4 | 19 |
| 10 | R1/2 | CC 10 R1/2 | MC 10 R1/2 | 29.6 | | 21 | 8 | BC 10 R1/2 | 38.4 | 24 | 24 | 20.0 | FC 10 R1/2 | 38.4 | 24 |
| 12 | R1/4 | CC 12 R1/4 | MC 12 R1/4 | 34.7 | | 19 | 6 | BC 12 R1/4 | 33.2 | 24 | 26 | 21.8 | FC 12 R1/4 | 33.2 | 21 |
| 12 | R3/8 | CC 12 R3/8 | MC 12 R3/8 | 30.5 | | 19 | 8 | BC 12 R3/8 | 37.0 | 24 | 26 | 21.7 | FC 12 R3/8 | 37.0 | 21 |
| 12 | R1/2 | CC 12 R1/2 | MC 12 R1/2 | 29.9 | | 21 | 8 | BC 12 R1/2 | 37.7 | 24 | 26 | 21.8 | FC 12 R1/2 | 37.7 | 24 |

Unit: Inch size fittings in inch; Metric fittings in mm

STC Composite Push-In Fittings Dimensions

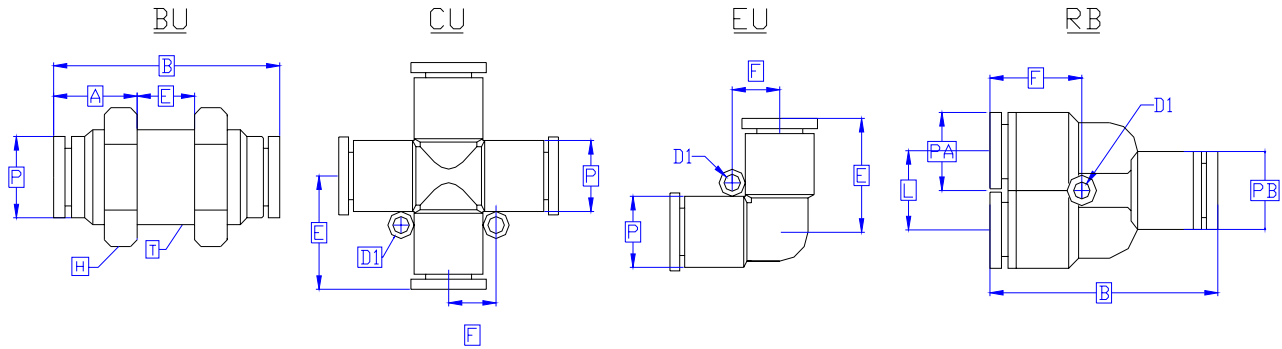


| TUBE OD | PIPE SIZE | Part No. | Part No. | Part No. | PART NO. | PART NO. | B | B1 | B2 | E | H | H2 | P |
|---------|-----------|---------------|--------------|---------------|---------------|---------------|------|------|------|------|-------|------|------|
| 1/8 | 10-32UNF | | | | ME 1/8 10-32 | | 0.91 | | | 0.70 | 7/16 | | 0.41 |
| 1/8 | NPT1/8 | | | | ME1/8 N1/8 | | 1.01 | | | 0.70 | 7/16 | | 0.41 |
| 1/8 | NPT1/4 | | | | ME 1/8 N1/4 | | 1.13 | | | 0.73 | 9/16 | | 0.41 |
| 5/32 | 10-32UNF | BT 5/32 10-32 | EE5/32 10-32 | FE 5/32 10-32 | ME 5/32 10-32 | RT 5/32 10-32 | 0.85 | 1.36 | 0.85 | 0.73 | 7/16 | 0.39 | 0.41 |
| 5/32 | NPT1/8 | BT 5/32 N1/8 | EE 5/32 N1/8 | FE 5/32 N1/8 | ME 5/32 N1/8 | RT 5/32 N1/8 | 1.06 | 1.48 | 0.99 | 0.73 | 7/16 | 0.47 | 0.41 |
| 5/32 | NPT1/4 | BT 5/32 N1/4 | | FE 5/32 N1/4 | ME 5/32 N1/4 | RT 5/32 N1/4 | 1.13 | | 0.98 | 0.73 | 9/16 | 0.67 | 0.41 |
| 3/16 | 10-32UNF | BT 3/16 10-32 | | FE 3/16 10-32 | ME 3/16 10-32 | RT 3/16 10-32 | 0.96 | | 0.86 | 0.75 | 0.47 | 0.39 | 0.44 |
| 3/16 | NPT1/8 | BT 3/16 N1/8 | EE 3/16 N1/8 | FE 3/16 N1/8 | ME 3/16 N1/8 | RT 3/16 N1/8 | 1.04 | 1.53 | 1.00 | 0.75 | 0.39 | 0.47 | 0.44 |
| 3/16 | NPT1/4 | BT 3/16 N1/4 | EE 3/16 N1/4 | FE 3/16 N1/4 | ME 3/16 N1/4 | RT 3/16 N1/4 | 1.16 | | 1.02 | 0.75 | 0.55 | 0.66 | 0.44 |
| 3/16 | NPT3/8 | BT 3/16 N3/8 | EE 3/16 N3/8 | | ME 3/16 N3/8 | RT 3/16 N3/8 | 1.26 | 1.89 | | 0.75 | 11/16 | | 0.44 |
| 1/4 | 10-32UNF | BT 1/4 10-32 | | FE 1/4 10-32 | ME 1/4 10-32 | RT 1/4 10-32 | 1.03 | | 0.94 | 0.85 | 1/2 | 0.47 | 0.52 |
| 1/4 | NPT1/8 | BT 1/4 N1/8 | EE 1/4 N1/8 | FE 1/4 N1/8 | ME 1/4 N1/8 | RT 1/4 N1/8 | 1.04 | 1.64 | 1.03 | 0.85 | 1/2 | 0.47 | 0.52 |
| 1/4 | NPT1/4 | BT 1/4 N1/4 | EE 1/4 N1/4 | FE 1/4 N1/4 | ME 1/4 N1/4 | RT 1/4 N1/4 | 1.24 | 1.82 | 1.19 | 0.85 | 9/16 | 0.67 | 0.52 |
| 1/4 | NPT3/8 | BT 1/4 N3/8 | EE 1/4 N3/8 | FE 1/4 N3/8 | ME 1/4 N3/8 | RT 1/4 N3/8 | 1.29 | 1.94 | 1.29 | 0.85 | 11/16 | 0.39 | 0.52 |
| 5/16 | NPT1/8 | BT 5/16 N1/8 | EE 5/16 N1/8 | FE 5/16 N1/8 | ME 5/16 N1/8 | RT 5/16 N1/8 | 1.19 | 1.81 | 1.12 | 0.91 | 9/16 | 0.47 | 0.58 |
| 5/16 | NPT1/4 | BT 5/16 N1/4 | EE 5/16 N1/4 | FE 5/16 N1/4 | ME 5/16 N1/4 | RT 5/16 N1/4 | 1.31 | 1.90 | 1.22 | 0.91 | 9/16 | 0.67 | 0.58 |
| 5/16 | NPT3/8 | BT 5/16 N3/8 | EE 5/16 N3/8 | FE 5/16 N3/8 | ME 5/16 N3/8 | RT 5/16 N3/8 | 1.37 | 2.01 | 1.35 | 0.91 | 11/16 | 0.39 | 0.58 |
| 3/8 | NPT1/8 | BT 3/8 N1/8 | | | ME 3/8 N1/8 | RT 3/8 N1/8 | 1.35 | | | 1.09 | 11/16 | | 0.72 |
| 3/8 | NPT1/4 | BT 3/8 N1/4 | EE 3/8 N1/4 | FE 3/8 N1/4 | ME 3/8 N1/4 | RT 3/8 N1/4 | 1.41 | 2.17 | | 1.09 | 11/16 | | 0.72 |
| 3/8 | NPT3/8 | BT 3/8 N3/8 | EE 3/8 N3/8 | FE 3/8 N3/8 | ME 3/8 N3/8 | RT 3/8 N3/8 | 1.51 | 2.17 | 1.42 | 1.09 | 11/16 | 0.75 | 0.72 |
| 3/8 | NPT1/2 | BT 3/8 N1/2 | EE 3/8 N1/2 | FE 3/8 N1/2 | ME 3/8 N1/2 | RT 3/8 N1/2 | 1.64 | 2.56 | 1.45 | 1.09 | 7/8 | 0.94 | 0.72 |
| 1/2 | NPT1/4 | BT 1/2 N1/4 | EE 1/2 N1/4 | | ME 1/2 N1/4 | RT 1/2 N1/4 | 1.55 | 2.50 | | 1.16 | 7/8 | | 0.85 |
| 1/2 | NPT3/8 | BT 1/2 N3/8 | EE 1/2 N3/8 | | ME 1/2 N3/8 | RT 1/2 N3/8 | 1.58 | 2.47 | | 1.16 | 7/8 | | 0.85 |
| 1/2 | NPT1/2 | BT 1/2 N1/2 | EE 1/2 N1/2 | | ME 1/2 N1/2 | RT 1/2 N1/2 | 1.67 | 2.60 | | 1.16 | 7/8 | | 0.85 |
| | | | | | | | | | | | | | |
| TUBE OD | PIPE SIZE | Part No. | Part No. | Part No. | PART NO. | PART NO. | B | B1 | B2 | E | H | H2 | P |
| 4 | M5 | BT 4 M5 | EE 4 M5 | FE 4 M5 | ME 4 M5 | RT 4 M5 | 23.0 | 36.1 | 20.9 | 18.1 | 10 | 10 | 10.5 |
| 4 | M6 | BT 4 M6 | EE 4 M6 | FE 4 M6 | ME 4 M6 | RT 4 M6 | 22.4 | 35.2 | 20.7 | 18.1 | 10 | 10 | 10.5 |
| 4 | R1/8 | BT 4 R1/8 | EE 4 R1/8 | FE 4 R1/8 | ME 4 R1/8 | RT 4 R1/8 | 26.1 | 36.8 | 22.3 | 18.1 | 10 | 12 | 10.5 |
| 4 | R1/4 | BT 4 R1/4 | EE 4 R1/4 | FE 4 R1/4 | ME 4 R1/4 | RT 4 R1/4 | 27.7 | 36.4 | 28.1 | 18.1 | 14 | 17 | 10.5 |
| 6 | M5 | BT 6 M5 | EE 6 M5 | FE 6 M5 | ME 6 M5 | RT 6 M5 | 25.8 | 39.0 | 23.0 | 21.1 | 12 | 12 | 13.2 |
| 6 | M6 | BT 6 M6 | EE 6 M6 | FE 6 M6 | ME 6 M6 | RT 6 M6 | 26.4 | 39.6 | 23.1 | 21.1 | 12 | 12 | 13.2 |
| 6 | R1/8 | BT 6 R1/8 | EE 6 R1/8 | FE 6 R1/8 | ME 6 R1/8 | RT 6 R1/8 | 28.1 | 38.8 | 26.0 | 21.1 | 12 | 14 | 13.2 |
| 6 | R1/4 | BT 6 R1/4 | EE 6 R1/4 | FE 6 R1/4 | ME 6 R1/4 | RT 6 R1/4 | 29.2 | 45.0 | 28.5 | 21.1 | 14 | 17 | 13.2 |
| 6 | R3/8 | BT 6 R3/8 | EE 6 R3/8 | FE 6 R3/8 | ME 6 R3/8 | RT 6 R3/8 | 31.7 | 44.9 | 33.4 | 21.1 | 17 | 19 | 13.2 |
| 6 | R1/2 | BT 6 R1/2 | EE 6 R1/2 | | ME 6 R1/2 | RT 6 R1/2 | 34.9 | 48.1 | | 21.1 | 21 | | 13.2 |
| 8 | R1/8 | BT 8 R1/8 | EE 8 R1/8 | | ME 8 R1/8 | RT 8 R1/8 | 30.1 | 42.2 | | 23.1 | 14 | | 14.8 |
| 8 | R1/4 | BT 8 R1/4 | EE 8 R1/4 | FE 8 R1/8 | ME 8 R1/4 | RT 8 R1/4 | 30.8 | 46.7 | 28.6 | 23.1 | 14 | 14 | 14.8 |
| 8 | R3/8 | BT 8 R3/8 | EE 8 R3/8 | FE 8 R1/4 | ME 8 R3/8 | RT 8 R3/8 | 33.6 | 46.5 | 30.0 | 23.1 | 17 | 17 | 14.8 |
| 8 | R1/2 | BT 8 R1/2 | EE 8 R1/2 | FE 10 R1/8 | ME 8 R1/2 | RT 8 R1/2 | 35.2 | 52.7 | 30.7 | 23.1 | 21 | 17 | 14.8 |
| 10 | R1/8 | BT 10 R1/8 | EE 10 R1/8 | | ME 10 R1/8 | RT 10 R1/8 | 32.6 | 53.1 | | 27.9 | 17 | | 18.4 |
| 10 | R1/4 | BT 10 R1/4 | EE 10 R1/4 | FE 10 R1/4 | ME 10 R1/4 | RT 10 R1/4 | 35.1 | 56.3 | 31.1 | 27.9 | 17 | 17 | 18.4 |
| 10 | R3/8 | BT 10 R3/8 | EE 10 R3/8 | FE 10 R3/8 | ME 10 R3/8 | RT 10 R3/8 | 36.6 | 57.0 | 34.4 | 27.9 | 17 | 19 | 18.4 |
| 10 | R1/2 | BT 10 R1/2 | EE 10 R1/2 | FE 10 R1/2 | ME 10 R1/2 | RT 10 R1/2 | 38.6 | | 37.8 | 27.9 | 21 | 24 | 18.4 |
| 12 | R1/4 | BT 12 R1/4 | EE 12 R1/4 | FE 12 R1/4 | ME 12 R1/4 | RT 12 R1/4 | 35.2 | 62.6 | 36.4 | 28.3 | 19 | 19 | 20.3 |
| 12 | R3/8 | BT 12 R3/8 | EE 12 R3/8 | FE 12 R3/8 | ME 12 R3/8 | RT 12 R3/8 | 37.5 | 62.9 | 39.0 | 28.3 | 19 | 19 | 20.3 |
| 12 | R1/2 | BT 12 R1/2 | EE 12 R1/2 | FE 12 R1/2 | ME 12 R1/2 | RT 12 R1/2 | 39.8 | | 42.8 | 28.3 | 21 | 24 | 20.3 |

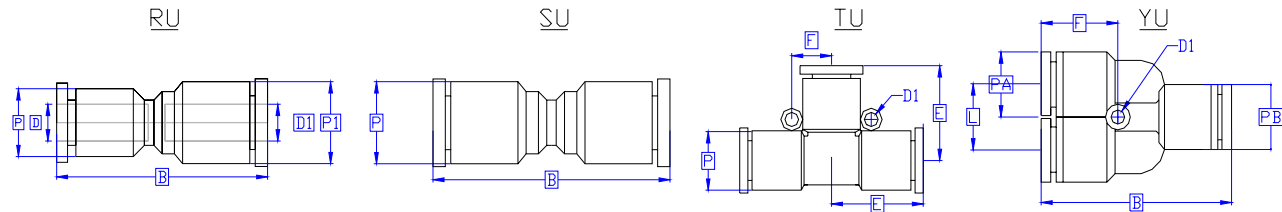
Unit: Inch size fittings in inch; Metric fittings in mm



STC Composite Push-In Fittings Dimensions



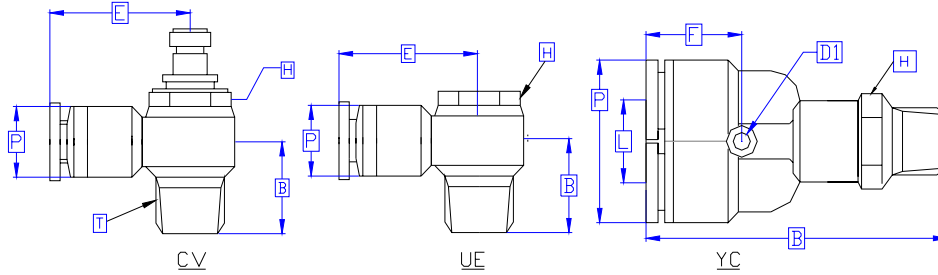
| Tube OD | Part No. | A | B | E | H | T | Part No. | E | F | P | D1 | Part No. | E | F | P | D1 | Part No. | B | DA | DB | D1 | F | L | PA | PB | |
|---------|----------|------|------|------|------|------|----------|------|------|------|------|----------|------|------|------|------|--------------|------|------|------|------|------|------|------|------|--|
| 1/8 | BU1/8 | 0.44 | 1.37 | 0.5 | 0.55 | 0.47 | CU 1/8 | 0.73 | 0.33 | 0.41 | 0.08 | | | | 0.41 | | RB 5/32-1/8 | 1.33 | 1/8 | 5/32 | 0.12 | 0.57 | 0.41 | 0.41 | 0.41 | |
| 5/32 | BU5/32 | 0.44 | 1.37 | 0.50 | 0.55 | 0.47 | CU 5/32 | 0.73 | 0.33 | 0.41 | 0.08 | EU 5/32 | 0.73 | 0.33 | 0.41 | 0.12 | RB 3/16-5/32 | 1.42 | 5/32 | 3/16 | 0.08 | 0.57 | 0.42 | 0.41 | 0.44 | |
| 3/16 | BU3/16 | 0.31 | 1.48 | 0.59 | 0.67 | 0.55 | CU 3/16 | 0.75 | 0.33 | 0.44 | 0.08 | EU 3/16 | 0.75 | 0.33 | 0.44 | 0.08 | RB 1/4-5/32 | 1.44 | 5/32 | 1/4 | 0.08 | 0.57 | 0.42 | 0.41 | 0.52 | |
| 1/4 | BU1/4 | 0.47 | 1.42 | 0.53 | 0.67 | 0.55 | CU 1/4 | 0.84 | 0.37 | 0.52 | 0.12 | EU 1/4 | 0.84 | 0.37 | 0.52 | 0.12 | RB 1/4-3/16 | 1.45 | 3/16 | 1/4 | 0.08 | 0.58 | 0.44 | 0.44 | 0.52 | |
| 5/16 | BU5/16 | 0.30 | 1.61 | 0.65 | 0.74 | 0.63 | CU 5/16 | 0.87 | 0.40 | 0.58 | 0.12 | EU 5/16 | 0.87 | 0.4 | 0.58 | 0.12 | RB 5/16-1/4 | 1.68 | 1/4 | 5/16 | 0.12 | 0.69 | 0.52 | 0.52 | 0.58 | |
| 3/8 | BU3/8 | 0.54 | 1.72 | 0.65 | 0.94 | 0.78 | CU 3/8 | 1.09 | 0.47 | 0.72 | 0.12 | EU 3/8 | 1.09 | 0.47 | 0.72 | 0.12 | RB 3/8-1/4 | 1.82 | 1/4 | 3/8 | 0.12 | 0.64 | 0.52 | 0.52 | 0.72 | |
| 1/2 | BU1/2 | 0.36 | 1.77 | 0.69 | 1.02 | 0.87 | CU 1/2 | 1.13 | 0.58 | 0.85 | 0.10 | EU 1/2 | 1.13 | 0.58 | 0.85 | 0.12 | RB 3/8-5/16 | 1.98 | 5/16 | 3/8 | 0.16 | 0.79 | 0.58 | 0.58 | 0.72 | |
| | | | | | | | | | | | | | | | | | RB 1/2-3/8 | 2.12 | 3/8 | 1/2 | 0.16 | 0.85 | 0.72 | 0.72 | 0.85 | |
| 4 | BU4 | 10.7 | 35.2 | 13.4 | 14.0 | 12.0 | CU 4 | 18.2 | 8.4 | 10.5 | 2.0 | EU 4 | 18.2 | 8.4 | 10.5 | 3.0 | | | | | | | | | | |
| 6 | BU6 | 9.9 | 35.4 | 14.3 | 17.0 | 14.0 | CU 6 | 21.0 | 9.4 | 13.2 | 3.0 | EU 6 | 21.0 | 9.4 | 13.2 | 3.0 | RB 6-4 | 36.7 | 4 | 6 | 2.0 | 14.5 | 10.7 | 10.5 | 13.2 | |
| 8 | BU8 | 7.8 | 41.1 | 16.2 | 19.0 | 16.0 | CU 8 | 23.0 | 10.2 | 14.8 | 3.0 | EU 8 | 23.0 | 10.2 | 14.8 | 3.0 | RB 8-6 | 42.4 | 6 | 8 | 3.0 | 17.2 | 13.1 | 13.2 | 14.8 | |
| 10 | BU10 | 9.2 | 44.7 | 16.6 | 24.0 | 20.0 | CU 10 | 27.4 | 12.2 | 18.4 | 3.0 | EU 10 | 27.4 | 12.2 | 18.4 | 3.0 | RB 10-8 | 50.2 | 8 | 10 | 4.0 | 20.1 | 14.7 | 14.8 | 18.4 | |
| 12 | BU12 | 8.5 | 45.3 | 16.6 | 26.0 | 22.0 | CU 12 | 27.4 | 13.0 | 20.3 | 2.5 | EU 12 | 27.4 | 13.0 | 20.3 | 3.0 | RB 12-10 | 54.6 | 10 | 12 | 4.0 | 22.4 | 18.4 | 18.4 | 20.0 | |



| Part No. | B | D | D1 | P | P1 | Part No. | B | P | Part No. | E | F | P | D1 | Part No. | B | F | L | P | D1 | |
|--------------|------|------|------|------|------|----------|------|------|----------|------|------|------|------|----------|------|------|------|------|------|--|
| RU 5/32-1/8 | 1.23 | 1/8 | 5/32 | 0.41 | 0.41 | SU 1/8 | 1.24 | 0.41 | TU 1/8 | 0.73 | 0.33 | 0.41 | 0.12 | YU 1/8 | 1.33 | 0.57 | 0.41 | 0.41 | 0.12 | |
| RU 3/16-5/32 | 1.27 | 5/32 | 3/16 | 0.41 | 0.44 | SU 5/32 | 1.24 | 0.41 | TU 5/32 | 0.73 | 0.33 | 0.41 | 0.12 | YU 5/32 | 1.33 | 0.57 | 0.41 | 0.41 | 0.12 | |
| RU 1/4-5/32 | 1.35 | 5/32 | 1/4 | 0.41 | 0.52 | SU 3/16 | 1.36 | 0.44 | TU 3/16 | 0.75 | 0.33 | 0.44 | 0.08 | YU 3/16 | 1.43 | 0.57 | 0.45 | 0.44 | 0.08 | |
| RU 1/4-3/16 | 1.39 | 3/16 | 1/4 | 0.44 | 0.52 | SU 1/4 | 1.5 | 0.52 | TU 1/4 | 0.84 | 0.37 | 0.52 | 0.12 | YU 1/4 | 1.47 | 0.6 | 0.52 | 0.52 | 0.12 | |
| RU 5/16-1/4 | 1.55 | 1/4 | 5/16 | 0.52 | 0.58 | SU 5/16 | 1.54 | 0.58 | TU 5/16 | 0.87 | 0.4 | 0.58 | 0.12 | YU 5/16 | 1.48 | 0.64 | 0.58 | 0.58 | 0.12 | |
| RU 3/8-1/4 | 1.67 | 1/4 | 3/8 | 0.52 | 0.72 | SU 3/8 | 1.85 | 0.72 | TU 3/8 | 1.09 | 0.47 | 0.72 | 0.12 | YU 3/8 | 2.02 | 0.86 | 0.71 | 0.72 | 0.16 | |
| RU 3/8-5/16 | 1.67 | 5/16 | 3/8 | 0.58 | 0.72 | SU 1/2 | 1.81 | 0.85 | TU 1/2 | 1.13 | 0.58 | 0.85 | 0.12 | YU 1/2 | 2.07 | 0.78 | 0.84 | 0.85 | 0.16 | |
| RU 1/2-3/8 | 1.81 | 3/8 | 1/2 | 0.72 | 0.85 | | | | | | | | | | | | | | | |
| | | | | | | SU 4 | 30.8 | 10.4 | TU 4 | 18.2 | 8.4 | 10.5 | 3 | YU 4 | 33.5 | 14.9 | 10.7 | 10.5 | 3 | |
| RU 6-4 | 33.9 | 4 | 6 | 10.5 | 13.2 | SU 6 | 37.6 | 12.9 | TU 6 | 21 | 9.4 | 13.2 | 3 | YU 6 | 37 | 15.8 | 13 | 13.2 | 3 | |
| RU 8-6 | 38.7 | 6 | 8 | 13.2 | 14.8 | SU 8 | 39.5 | 14.7 | TU 8 | 23 | 10.2 | 14.8 | 3 | YU 8 | 38.4 | 16 | 14.7 | 14.8 | 3 | |
| RU 10-8 | 42.5 | 8 | 10 | 14.8 | 18.4 | SU 10 | 47.1 | 18.3 | TU 10 | 27.4 | 12.2 | 18.4 | 3 | YU 10 | 52.1 | 19.1 | 18.1 | 18.4 | 4 | |
| RU 12-10 | 47.4 | 10 | 12 | 18.4 | 20 | SU 12 | 50.3 | 20 | TU 12 | 27.4 | 13 | 20.3 | 3 | YU 12 | 54.8 | 21.6 | 20.9 | 20.3 | 4 | |

Unit: Inch size fittings in inch; Metric fittings in mm

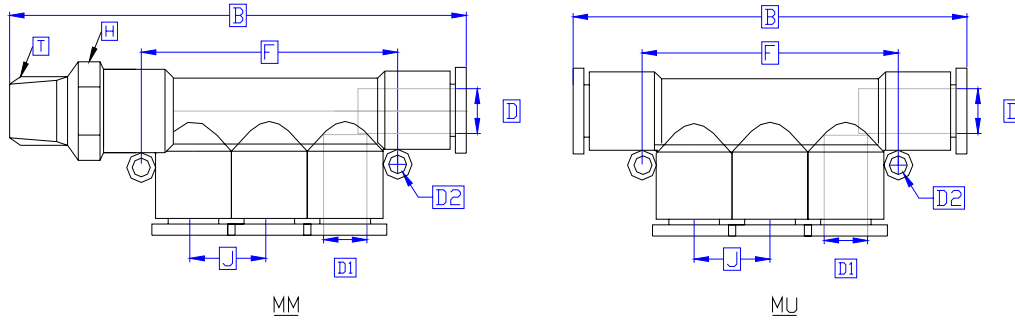
STC Composite Push-In Fittings Dimensions



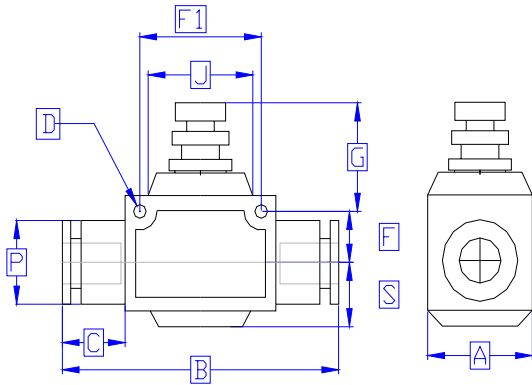
| TUBE OD | PIPE SIZE | PART NO. | PART NO. | B | E | H | P | PART NO. | B | D1 | F | H | L | P |
|---------|-----------|---------------|---------------|------|------|------|------|---------------|------|------|------|-------|------|------|
| 1/8 | 10-32 | CV 1/8 10-32 | UE 1/8 10-32 | 0.44 | 0.80 | 5/16 | 0.41 | | | | | | | |
| 1/8 | NPT1/8 | CV 1/8 N1/8 | UE 1/8 N1/8 | 0.59 | 0.88 | 7/16 | 0.41 | | | | | | | |
| 5/32 | 10-32 | CV 5/32 10-32 | UE 5/32 10-32 | 0.44 | 0.80 | 5/16 | 0.41 | YC 5/32 10-32 | 1.50 | 0.12 | 0.57 | 7/16 | 0.41 | 0.82 |
| 5/32 | NPT1/8 | CV 5/32 N1/8 | UE 5/32 N1/8 | 0.59 | 0.88 | 7/16 | 0.41 | YC 5/32 N1/8 | 1.63 | 0.12 | 0.56 | 7/16 | 0.41 | 0.82 |
| 5/32 | NPT1/4 | | | | | | | YC 5/32 N1/4 | 1.74 | 0.12 | 0.57 | 9/16 | 0.41 | 0.82 |
| 3/16 | 10-32 | | UE 3/16 10-32 | 0.49 | 0.94 | 0.31 | 0.44 | YC 3/16 10-32 | 1.62 | 0.12 | 0.58 | 7/16 | 0.45 | 0.89 |
| 3/16 | NPT1/8 | CV 3/16 N1/8 | UE 3/16 N1/8 | 0.60 | 0.99 | 0.39 | 0.44 | YC 3/16 N1/8 | 1.68 | 0.12 | 0.59 | 7/16 | 0.45 | 0.89 |
| 3/16 | NPT1/4 | | UE 3/16 N1/4 | 0.70 | 1.07 | 0.55 | 0.44 | YC 3/16 N1/4 | 1.84 | 0.12 | 0.60 | 9/16 | 0.45 | 0.89 |
| 3/16 | NPT3/8 | | UE 3/16 N3/8 | 0.47 | 0.96 | 0.31 | 0.44 | YC 3/16 N3/8 | 1.91 | 0.12 | 0.61 | 11/16 | 0.45 | 0.90 |
| 1/4 | 10-32 | CV 1/4 10-32 | UE 1/4 10-32 | 0.47 | 0.92 | 5/16 | 0.52 | YC 1/4 10-32 | 1.66 | 0.12 | 0.63 | 1/2 | 0.53 | 1.06 |
| 1/4 | NPT1/8 | CV 1/4 N1/8 | UE 1/4 N1/8 | 0.82 | 0.94 | 7/16 | 0.52 | YC 1/4 N1/8 | 0.18 | 0.12 | 0.62 | 1/2 | 0.53 | 1.06 |
| 1/4 | NPT1/4 | CV 1/4 N1/4 | UE 1/4 N1/4 | 0.73 | 1.03 | 9/16 | 0.52 | YC 1/4 N1/4 | 1.86 | 0.12 | 0.62 | 9/16 | 0.53 | 1.06 |
| 1/4 | NPT3/8 | CV 1/4 N3/8 | | 0.85 | 1.10 | 0.74 | 0.51 | YC 1/4 N3/8 | 1.93 | 0.12 | 0.61 | 11/16 | 0.53 | 1.06 |
| 5/16 | NPT1/8 | CV 5/16 N1/8 | UE 5/16 N1/8 | 0.59 | 1.04 | 0.39 | 0.58 | YC 5/16 N1/8 | 1.81 | 0.12 | 0.65 | 7/16 | 0.58 | 1.15 |
| 5/16 | NPT1/4 | CV 5/16 N1/4 | UE 5/16 N1/4 | 0.71 | 1.13 | 0.56 | 0.58 | YC 5/16 N1/4 | 1.89 | 0.12 | 0.64 | 9/16 | 0.58 | 1.17 |
| 5/16 | NPT3/8 | CV 5/16 N3/8 | UE 5/16 N3/8 | 0.85 | 1.19 | 3/4 | 0.58 | YC 5/16 N3/8 | 1.96 | 0.12 | 0.65 | 11/16 | 0.58 | 1.15 |
| 3/8 | NPT1/8 | | | | | | | YC 3/8 N1/8 | 2.28 | 0.16 | 0.76 | 9/16 | 0.71 | 1.42 |
| 3/8 | NPT1/4 | CV 3/8 N1/4 | UE 3/8 N1/4 | 0.81 | 1.26 | 9/16 | 0.71 | YC 3/8 N1/4 | 2.39 | 0.16 | 0.76 | 9/16 | 0.71 | 1.42 |
| 3/8 | NPT3/8 | CV 3/8 N3/8 | UE 3/8 N3/8 | 0.94 | 1.26 | 3/4 | 0.72 | YC 3/8 N3/8 | 2.44 | 0.16 | 0.77 | 11/16 | 0.71 | 1.42 |
| 3/8 | NPT1/2 | CV 3/8 N1/2 | | 0.99 | 1.40 | 0.94 | 0.71 | YC 3/8 N1/2 | 2.54 | 0.16 | 0.75 | 7/8 | 0.71 | 1.41 |
| 1/2 | NPT1/4 | | | | | | | YC 1/2 N1/4 | 2.43 | 0.16 | 0.79 | 11/16 | 0.85 | 1.70 |
| 1/2 | NPT3/8 | CV 1/2 N3/8 | UE 1/2 N3/8 | 0.94 | 1.35 | 3/4 | 0.86 | YC 1/2 N3/8 | 2.50 | 0.16 | 0.78 | 11/16 | 0.85 | 1.70 |
| 1/2 | NPT1/2 | CV 1/2 N1/2 | UE 1/2 N1/2 | 0.82 | 1.12 | 3/4 | 0.86 | YC 1/2 N1/2 | 2.61 | 0.16 | 0.80 | 7/8 | 0.85 | 1.70 |
| 4 | M5 | CV 4 M5 | UE 4 M5 | 10.5 | 20.7 | 8 | 10.5 | YC 4 M5 | 38.8 | 3.0 | 13.8 | 10 | 10.5 | 21.1 |
| 4 | M6 | CV 4 M6 | UE 4 M6 | 12.0 | 20.6 | 8 | 10.5 | YC 4 M6 | 38.5 | 3.0 | 13.9 | 10 | 10.5 | 21.1 |
| 4 | R1/8 | CV 4 R1/8 | UE 4 R1/8 | 14.9 | 22.2 | 10 | 10.5 | YC 4 R1/8 | 40.1 | 3.0 | 14.3 | 10 | 10.5 | 21.1 |
| 4 | R1/4 | CV 4 R1/4 | UE 4 R1/4 | 16.3 | 27.3 | 14 | 10.5 | YC 4 R1/4 | 42.5 | 3.0 | 13.9 | 14 | 10.5 | 20.9 |
| 6 | M5 | CV 6 M5 | UE 6 M5 | 12.5 | 23.1 | 8 | 13.2 | YC 6 M5 | 41.6 | 3.0 | 15.5 | 12 | 13.4 | 26.7 |
| 6 | M6 | CV 6 M6 | UE 6 M6 | 12.8 | 23.8 | 8 | 13.2 | YC 6 M6 | 42.8 | 3.0 | 15.3 | 12 | 13.4 | 26.7 |
| 6 | R1/8 | CV 6 R1/8 | UE 6 R1/8 | 14.8 | 23.6 | 10 | 13.2 | YC 6 R1/8 | 44.3 | 3.0 | 15.5 | 12 | 13.4 | 26.7 |
| 6 | R1/4 | CV 6 R1/4 | UE 6 R1/4 | 16.6 | 25.5 | 14 | 13.2 | YC 6 R1/4 | 44.8 | 3.0 | 15.3 | 14 | 13.4 | 26.7 |
| 6 | R3/8 | CV 6 R3/8 | UE 6 R3/8 | 19.5 | 27.8 | 19 | 13.2 | YC 6 R3/8 | 47.6 | 3.0 | 15.4 | 17 | 13.4 | 26.8 |
| 6 | R1/2 | | | | | | | YC 6 R1/2 | 50.6 | 3.0 | 15.1 | 21 | 13.4 | 26.8 |
| 8 | R1/8 | CV 8 R1/8 | UE 8 R1/8 | 15.2 | 26.5 | 10 | 14.8 | YC 8 R1/8 | 45.4 | 3.0 | 16.9 | 14 | 14.6 | 29.2 |
| 8 | R1/4 | CV 8 R1/4 | UE 8 R1/4 | 16.4 | 27.8 | 14 | 14.8 | YC 8 R1/4 | 46.4 | 3.0 | 16.9 | 14 | 14.6 | 29.3 |
| 8 | R3/8 | CV 8 R3/8 | UE 8 R3/8 | 20.1 | 31.4 | 19 | 14.8 | YC 8 R3/8 | 48.3 | 3.0 | 15.7 | 17 | 14.6 | 29.3 |
| 8 | R1/2 | CV 8 R1/2 | UE 8 R1/2 | 22.8 | 30.3 | 24 | 14.8 | YC 8 R1/2 | 50.5 | 3.0 | 17.1 | 21 | 14.6 | 29.2 |
| 10 | R1/8 | | | | | | | YC 10 R1/8 | 57.0 | 4.0 | 21.0 | 17 | 18.0 | 36.1 |
| 10 | R1/4 | CV 10 R1/4 | UE 10 R1/4 | 19.5 | 34.0 | 14 | 18.4 | YC 10 R1/4 | 59.3 | 4.0 | 21.2 | 17 | 18.0 | 36.1 |
| 10 | R3/8 | CV 10 R3/8 | UE 10 R3/8 | 21.2 | 33.4 | 19 | 18.4 | YC 10 R3/8 | 60.5 | 4.0 | 20.0 | 17 | 18.0 | 36.1 |
| 10 | R1/2 | CV 10 R1/2 | UE 10 R1/2 | 25.0 | 35.2 | 24 | 18.4 | YC 10 R1/2 | 62.9 | 4.0 | 21.4 | 21 | 18.0 | 36.1 |
| 12 | R1/4 | CV 12 R1/4 | UE 12 R1/4 | 21.3 | 34.2 | 14 | 20.3 | YC 12 R1/4 | 61.4 | 4.0 | 21.9 | 19 | 20.8 | 41.5 |
| 12 | R3/8 | CV 12 R3/8 | UE 12 R3/8 | 22.4 | 34.2 | 19 | 20.3 | YC 12 R3/8 | 63.4 | 4.0 | 21.8 | 19 | 20.8 | 41.5 |
| 12 | R1/2 | CV 12 R1/2 | UE 12 R1/2 | 26.3 | 37.2 | 24 | 20.3 | YC 12 R1/2 | 65.5 | 4.0 | 21.8 | 21 | 20.8 | 41.5 |

Unit: Inch size fittings in inch; Metric fittings in mm

STC Composite Push-In Fittings Dimensions



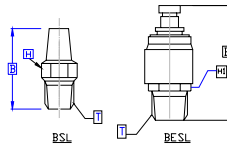
| Part No. | B | D | D1 | D2 | F | J | Part No. | B | D | D1 | D2 | F | H | J | T |
|--------------|------|------|------|------|------|------|-------------------|------|------|------|------|------|------|------|--------|
| MU1/4-5/32 | 2.44 | 1/4 | 5/32 | 0.12 | 1.62 | 0.52 | MM-1/4-5/32-N1/8 | 2.71 | 1/4 | 5/32 | 0.12 | 1.62 | 0.47 | 0.54 | 1/8NPT |
| MU-5/16-5/32 | 2.43 | 5/16 | 5/32 | 0.12 | 1.62 | 0.52 | MM-5/16-5/32-N1/4 | 2.82 | 5/16 | 5/32 | 0.12 | 1.62 | 0.55 | 0.51 | 1/4NPT |
| MU-5/16-1/4 | 2.43 | 5/16 | 1/4 | 0.12 | 1.63 | 0.53 | MM-5/16-1/4-N1/4 | 2.81 | 5/16 | 1/4 | 0.12 | 1.63 | 0.56 | 0.54 | 1/4NPT |
| MU-3/8-1/4 | 3.24 | 3/8 | 1/4 | 0.16 | 1.85 | 0.57 | | | | | | | | | |
| MU-6-04 | 61.3 | 6.0 | 4.0 | 3.0 | 40.4 | 12.7 | MM06-04-R1/8 | 68.5 | 6.0 | 4.0 | 3.0 | 40.4 | 12 | 12.6 | R1/8 |
| MU-8-04 | 61.7 | 8.0 | 4.0 | 3.0 | 40.9 | 13.2 | MM08-6-R1/4 | 69.9 | 8.0 | 6.0 | 3.0 | 40.9 | 14 | 13.6 | R1/4 |
| MU-8-06 | 62.7 | 8.0 | 6.0 | 3.0 | 40.9 | 13.6 | MM10-8-R3/8 | 91.6 | 10.0 | 8.0 | 4.0 | 47.9 | 17 | 14.9 | R3/8 |
| MU-10-06 | 82.9 | 10.0 | 6.0 | 4.0 | 47.1 | 15.0 | | | | | | | | | |
| MU-10-08 | 83.0 | 10.0 | 8.0 | 4.0 | 47.9 | 14.9 | | | | | | | | | |



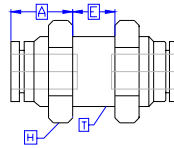
| Part No. | Tube OD | A | B | C | D | F | F1 | G | J | WEIGHT (g) |
|----------|---------|------|------|------|------|------|------|------|-------|------------|
| FV-1/8 | 1/8 | 0.46 | 1.57 | 0.39 | 0.12 | 0.27 | 0.55 | 0.39 | 12.40 | 12.4 |
| FV-5/32 | 5/32 | 0.46 | 1.57 | 0.39 | 0.12 | 0.27 | 0.55 | 0.39 | 12.40 | 12.4 |
| FV-3/16 | 3/16 | 0.60 | 1.93 | 0.42 | 0.16 | 0.36 | 0.79 | 0.90 | 0.55 | 28.0 |
| FV-1/4 | 1/4 | 0.61 | 2.01 | 0.41 | 0.16 | 0.33 | 0.79 | 0.77 | 0.56 | 28.5 |
| FV-5/16 | 5/16 | 0.70 | 2.16 | 0.47 | 0.16 | 0.39 | 0.86 | 0.86 | 0.63 | 39.8 |
| FV-3/8 | 3/8 | 0.82 | 2.52 | 0.60 | 0.16 | 0.41 | 1.01 | 1.04 | 0.74 | 66.2 |
| FV-1/2 | 1/2 | 1.09 | 2.92 | 0.67 | 0.16 | 0.46 | 1.26 | 1.00 | 0.94 | 114.7 |
| FV-4 | 4 | 11.7 | 39.9 | 9.9 | 3.0 | 6.9 | | 18.3 | 9.9 | 12.4 |
| FV-6 | 6 | 15.5 | 49.6 | 10.6 | 4.0 | 8.3 | | 21.2 | 14.0 | 28.3 |
| FV-8 | 8 | 17.9 | 55.2 | 12.9 | 4.0 | 9.5 | | 21.4 | 16.0 | 39.3 |
| FV-10 | 10 | 20.9 | 64.9 | 15.7 | 4.0 | 11.4 | | 27.5 | 18.9 | 67.7 |
| FV-12 | 12 | 27.8 | 75.7 | 17.7 | 4.0 | 13.9 | | 27.3 | 23.9 | 116.0 |

Unit: Inch size fittings in inch; Metric fittings in mm

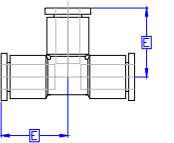
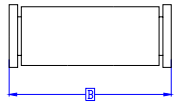
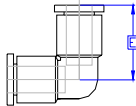
STC Stainless Steel and Nickel-Plated Brass Push-In Fittings Dimensions



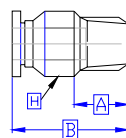
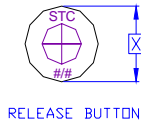
| Part No. | Part No. | Port NPT | A | B | H | B1 | H1 |
|----------|-----------|----------|------|------|------|------|------|
| BSL-N1/8 | BESL-N1/8 | 1/8 | 0.39 | 0.99 | 0.47 | 1.37 | 0.47 |
| BSL-N1/4 | BESL-N1/4 | 1/4 | 0.47 | 1.28 | 0.59 | 1.56 | 0.55 |
| BSL-N3/8 | BESL-N3/8 | 3/8 | 0.53 | 1.60 | 0.75 | 1.77 | 0.66 |
| BSL-N1/2 | BESL-N1/2 | 1/2 | 0.59 | 1.85 | 0.86 | 2.31 | 0.94 |



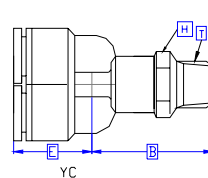
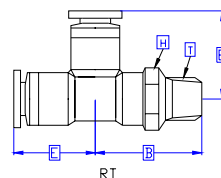
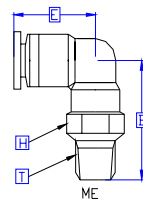
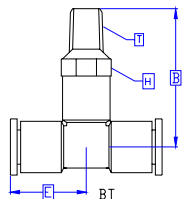
| PART NO. | PART NO. | Tube OD | A | B | E | H | T | X |
|----------|----------|---------|------|------|------|------|------|------|
| BUB 5/32 | BUS 5/32 | 5/32 | 0.29 | 1.39 | 0.87 | 0.67 | 0.47 | 0.39 |
| BUB 1/4 | BUS 1/4 | 1/4 | 0.30 | 1.56 | 0.99 | 0.67 | 0.55 | 0.47 |
| BUB 5/16 | BUS 5/16 | 5/16 | 0.34 | 1.80 | 1.11 | 0.86 | 0.70 | 0.67 |
| BUB 3/8 | BUS 3/8 | 3/8 | 0.34 | 1.80 | 1.11 | 0.86 | 0.70 | 0.67 |
| BUB 1/2 | BUS 1/2 | 1/2 | 0.37 | 1.91 | 1.22 | 1.06 | 0.87 | 0.75 |
| BUB 4 | BUS 4 | 4 MM | 0.29 | 1.39 | 0.87 | 0.67 | 0.47 | 0.39 |
| BUB 8 | BUS 8 | 8MM | 0.34 | 1.80 | 1.11 | 0.86 | 0.70 | 0.67 |



| PART NO. Brass Union Fittings | | | PART NO. Stainless Steel | | | Tube OD | B | E | X |
|-------------------------------|----------|----------|--------------------------|----------|----------|---------|------|------|------|
| EUB 5/32 | SUB 5/32 | TUB 5/32 | EUS 5/32 | SUS 5/32 | TUS 5/32 | 5/32 | 1.41 | 0.81 | 0.39 |
| EUB 1/4 | SUB 1/4 | TUB 1/4 | EUS 1/4 | SUS 1/4 | TUS 1/4 | 1/4 | 1.59 | 0.97 | 0.47 |
| EUB 5/16 | SUB 5/16 | TUB 5/16 | EUS 5/16 | SUS 5/16 | TUS 5/16 | 5/16 | 1.76 | 1.18 | 0.67 |
| EUB 3/8 | SUB 3/8 | TUB 3/8 | EUS 3/8 | SUS 3/8 | TUS 3/8 | 3/8 | 1.76 | 1.18 | 0.67 |
| EUB 1/2 | SUB 1/2 | TUB 1/2 | EUS 1/2 | SUS 1/2 | TUS 1/2 | 1/2 | 1.94 | 1.28 | 0.75 |
| EUB 4 | SUB 4 | TUB 4 | EUS 4 | SUS 4 | TUS 4 | 4 MM | 1.41 | 0.81 | 0.39 |
| EUB 6 | SUB 6 | TUB 6 | EUS 6 | SUS 6 | TUS 6 | 6 MM | 1.59 | 0.97 | 0.47 |
| EUB 8 | SUB 8 | TUB 8 | EUS 8 | SUS 8 | TUS 8 | 8MM | 1.76 | 1.18 | 0.67 |



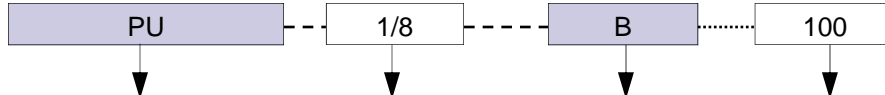
| PART NO. | PART NO. | TUBE OD | PIPE SIZE | A | B | H | X |
|----------------|----------------|---------|-----------|------|------|------|------|
| MCB 5/32 10-32 | MCS 5/32 10-32 | 5/32" | 10-32 | 0.23 | 0.96 | 0.39 | 0.39 |
| MCB 5/32 N1/8 | MCS 5/32 N1/8 | 5/32" | 1/8 NPT | 0.39 | 1.00 | 0.39 | 0.39 |
| MCB 1/4 N1/8 | MCS 1/4 N1/8 | 1/4" | 1/8 NPT | 0.37 | 1.19 | 0.47 | 0.47 |
| MCB 1/4 N1/4 | MCS 1/4 N1/4 | 1/4" | 1/4 NPT | 0.47 | 1.17 | 0.55 | 0.47 |
| MCB 1/4 N3/8 | MCS 1/4 N3/8 | 1/4" | 3/8 NPT | 0.53 | 1.28 | 0.67 | 0.47 |
| MCB 5/16 N1/4 | MCS 5/16 N1/4 | 5/16" | 1/4 NPT | 0.48 | 1.31 | 0.67 | 0.67 |
| MCB 5/16 N3/8 | MCS 5/16 N3/8 | 5/16" | 3/8 NPT | 0.51 | 1.34 | 0.67 | 0.67 |
| MCB 3/8 N1/4 | MCS 3/8 N1/4 | 3/8" | 1/4 NPT | 0.48 | 1.31 | 0.67 | 0.67 |
| MCB 3/8 N3/8 | MCS 3/8 N3/8 | 3/8" | 3/8 NPT | 0.51 | 1.34 | 0.67 | 0.67 |
| MCB 3/8 N1/2 | MCS 3/8 N1/2 | 3/8" | 1/2 NPT | 0.59 | 1.44 | 0.87 | 0.67 |
| MCB 1/2 N3/8 | MCS 1/2 N3/8 | 1/2" | 3/8 NPT | 0.52 | 1.45 | 0.75 | 0.75 |
| MCB 1/2 N1/2 | MCS 1/2 N1/2 | 1/2" | 1/2 NPT | 0.59 | 1.47 | 0.86 | 0.75 |
| MCB 4 M5 | MCS 4 M5 | 4 MM | M5 | 0.23 | 0.96 | 0.39 | 0.39 |
| MCB 4 N1/8 | MCS 4 N1/8 | 4MM | 1/8 NPT | 0.39 | 1.00 | 0.39 | 0.39 |
| MCS 8 N1/4 | MCS 8 N1/4 | 8MM | 1/4 NPT | 0.48 | 1.31 | 0.67 | 0.67 |
| MCS 8 N3/8 | MCS 8 N3/8 | 8MM | 3/8 NPT | 0.51 | 1.34 | 0.67 | 0.67 |



| PART NO. | PART NO. | PART NO. | PART NO. | PART NO. | PART NO. | PART NO. | PART NO. | TUBE OD | T, Thread | A | B | H | E | X |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------|-----------|------|------|------|------|------|
| BTB 5/32 10-32 | BTS 5/32 10-32 | MEB 5/32 10-32 | MES 5/32 10-32 | RTB 5/32 10-32 | RTS 5/32 10-32 | YCB 5/32 10-32 | YCS 5/32 10-32 | 5/32" | 10-32 | 0.24 | 0.99 | 0.31 | 0.81 | 0.39 |
| BTB 5/32 N1/8 | BTS 5/32 N1/8 | MEB 5/32 N1/8 | MES 5/32 N1/8 | RTB 5/32 N1/8 | RTS 5/32 N1/8 | YCB 5/32 N1/8 | YCS 5/32 N1/8 | 5/32" | 1/8 NPT | 0.39 | 0.86 | 0.47 | 0.81 | 0.39 |
| BTB 1/4 N1/8 | BTS 1/4 N1/8 | MEB 1/4 N1/8 | MES 1/4 N1/8 | RTB 1/4 N1/8 | RTS 1/4 N1/8 | YCB 1/4 N1/8 | YCS 1/4 N1/8 | 1/4" | 1/8 NPT | 0.37 | 0.85 | 0.47 | 0.97 | 0.47 |
| BTB 1/4 N1/4 | BTS 1/4 N1/4 | MEB 1/4 N1/4 | MES 1/4 N1/4 | RTB 1/4 N1/4 | RTS 1/4 N1/4 | YCB 1/4 N1/4 | YCS 1/4 N1/4 | 1/4" | 1/4 NPT | 0.51 | 1.02 | 0.55 | 0.97 | 0.47 |
| BTB 1/4 N3/8 | BTS 1/4 N3/8 | MEB 1/4 N3/8 | MES 1/4 N3/8 | RTB 1/4 N3/8 | RTS 1/4 N3/8 | YCB 1/4 N3/8 | YCS 1/4 N3/8 | 1/4" | 3/8 NPT | 0.53 | 1.14 | 0.67 | 0.97 | 0.47 |
| BTB 5/16 N1/4 | BTS 5/16 N1/4 | MEB 5/16 N1/4 | MES 5/16 N1/4 | RTB 5/16 N1/4 | RTS 5/16 N1/4 | YCB 5/16 N1/4 | YCS 5/16 N1/4 | 5/16" | 1/4 NPT | 0.50 | 1.09 | 0.55 | 1.18 | 0.67 |
| BTB 5/16 N3/8 | BTS 5/16 N3/8 | MEB 5/16 N3/8 | MES 5/16 N3/8 | RTB 5/16 N3/8 | RTS 5/16 N3/8 | YCB 5/16 N3/8 | YCS 5/16 N3/8 | 5/16" | 3/8 NPT | 0.53 | 1.09 | 0.67 | 1.18 | 0.67 |
| BTB 3/8 N1/4 | BTS 3/8 N1/4 | MEB 3/8 N1/4 | MES 3/8 N1/4 | RTB 3/8 N1/4 | RTS 3/8 N1/4 | YCB 3/8 N1/4 | YCS 3/8 N1/4 | 3/8" | 1/4 NPT | 0.50 | 1.09 | 0.55 | 1.18 | 0.67 |
| BTB 3/8 N3/8 | BTS 3/8 N3/8 | MEB 3/8 N3/8 | MES 3/8 N3/8 | RTB 3/8 N3/8 | RTS 3/8 N3/8 | YCB 3/8 N3/8 | YCS 3/8 N3/8 | 3/8" | 3/8 NPT | 0.53 | 1.09 | 0.67 | 1.18 | 0.67 |
| BTB 3/8 N1/2 | BTS 3/8 N1/2 | MEB 3/8 N1/2 | MES 3/8 N1/2 | RTB 3/8 N1/2 | RTS 3/8 N1/2 | YCB 3/8 N1/2 | YCS 3/8 N1/2 | 3/8" | 1/2 NPT | 0.60 | 1.18 | 0.87 | 1.18 | 0.67 |
| BTB 1/2 N3/8 | BTS 1/2 N3/8 | MEB 1/2 N3/8 | MES 1/2 N3/8 | RTB 1/2 N3/8 | RTS 1/2 N3/8 | YCB 1/2 N3/8 | YCS 1/2 N3/8 | 1/2" | 3/8 NPT | 0.53 | 1.17 | 0.67 | 1.28 | 0.75 |
| BTB 1/2 N1/2 | BTS 1/2 N1/2 | MEB 1/2 N1/2 | MES 1/2 N1/2 | RTB 1/2 N1/2 | RTS 1/2 N1/2 | YCB 1/2 N1/2 | YCS 1/2 N1/2 | 1/2" | 1/2 NPT | 0.60 | 1.26 | 0.86 | 1.28 | 0.75 |
| BTB 4 M5 | BTS 4 M5 | MEB 4 M5 | MES 4 M5 | RTB 4 M5 | RTS 4 M5 | YCB 4 M5 | YCS 4 M5 | 4 MM | M5 | 0.24 | 0.99 | 0.31 | 0.81 | 0.39 |
| BTB 4 N1/8 | BTS 4 N1/8 | MEB 4 N1/8 | MES 4 N1/8 | RTB 4 N1/8 | RTS 4 N1/8 | YCB 4 N1/8 | YCS 4 N1/8 | 4 MM | 1/8 NPT | 0.39 | 0.86 | 0.47 | 0.81 | 0.39 |
| BTB 8 N1/4 | BTS 8 N1/4 | MEB 8 N1/4 | MES 8 N1/4 | RTB 8 N1/4 | RTS 8 N1/4 | YCB 8 N1/4 | YCS 8 N1/4 | 8MM | 1/4 NPT | 0.50 | 1.09 | 0.55 | 1.18 | 0.67 |
| BTB 8 N3/8 | BTS 8 N3/8 | MEB 8 N3/8 | MES 8 N3/8 | RTB 8 N3/8 | RTS 8 N3/8 | YCB 8 N3/8 | YCS 8 N3/8 | 8MM | 3/8 NPT | 0.53 | 1.09 | 0.67 | 1.18 | 0.67 |

STC Polyurethane Tubing Numbering System

Ordering Part No. =
(eg. PU 1/8 B 100)



| Tubing Type | (inch) | (mm) | Color | Length |
|--------------------------|--------|------|-----------------|--------------|
| PU = Polyurethane Tubing | 1/8 | 4 | B = Blue | 100 = 100 ft |
| | 5/32 | 6 | BK = Black | 500 = 500 ft |
| | 1/4 | 8 | G = green | |
| | 5/16 | 10 | R = Red | |
| | 1/2 | 12 | T = Transparent | |
| | | | Y = Yellow | |



STC Polyurethane Tubing

| | |
|-------------|---|
| Tubing Size | 1/8", 5/32", 1/4", 5/16", 3/8", 1/2", 4mm, 6mm, 8mm, 10mm, 12mm |
| Length | 100 ft or 500 ft (roll in a spool) |
| Color | Black Blue Clear Green Red Yellow |

| Tubing Size | | Part No. | | | | | | | | |
|-------------|--------|-----------------------------|----------------|---------------|---------------|---------------|---------------|---------------|--------------------------------|--|
| OD | ID | Max Pressure PSI @ 75° F | Black | Blue | Transparent | Green | Red | Yellow | | |
| 5/32" | 0.098" | 200 | PU 5/32 BK-100 | PU 5/32 B-100 | PU 5/32 T-100 | PU 5/32 G-100 | PU 5/32 R-100 | PU 5/32 Y-100 | | |
| 1/4" | 0.16" | 180 | PU 1/4 BK-100 | PU 1/4 B-100 | PU 1/4 T-100 | PU 1/4 G-100 | PU 1/4 R-100 | PU 1/4 Y-100 | | |
| 5/16" | 0.20" | 180 | PU 5/16 BK-100 | PU 5/16 B-100 | PU 5/16 T-100 | PU 5/16 G-100 | PU 5/16 R-100 | PU 5/16 Y-100 | | |
| 3/8" | 0.26" | 150 | PU 3/8 BK-100 | PU 3/8 B-100 | PU 3/8 T-100 | PU 3/8 G-100 | PU 3/8 R-100 | PU 3/8 Y-100 | | |
| 1/2" | 3/8" | 150 | PU 1/2 BK-100 | PU 1/2 B-100 | PU 1/2 T-100 | PU 1/2 G-100 | PU 1/2 R-100 | PU 1/2 Y-100 | | |
| 4 mm | 2 mm | 200 | PU 4 BK-100 | PU 4 B-100 | PU 4 T-100 | PU 4 G-100 | PU 4 R-100 | PU 4 Y-100 | | |
| 6 mm | 4 mm | 180 | PU 6 BK-100 | PU 6 B-100 | PU 6 T-100 | PU 6 G-100 | PU 6 R-100 | PU 6 Y-100 | | |
| 8 mm | 5 mm | 180 | PU 8 BK-100 | PU 8 B-100 | PU 8 T-100 | PU 8 G-100 | PU 8 R-100 | PU 8 Y-100 | | |
| 10 mm | 6.5 mm | 150 | PU 10 BK-100 | PU 10 B-100 | PU 10 T-100 | PU 10 G-100 | PU 10 R-100 | PU 10 Y-100 | | |
| 12 mm | 8 mm | 150 | PU 12 BK-100 | PU 12 B-100 | PU 12 T-100 | PU 12 G-100 | PU 12 R-100 | PU 12 Y-100 | | |
| 5/32" | 0.098" | 200 | PU 5/32 BK-500 | PU 5/32 B-500 | PU 5/32 T-500 | PU 5/32 G-500 | PU 5/32 R-500 | PU 5/32 Y-500 | | |
| 1/4" | 0.16" | 180 | PU 1/4 BK-500 | PU 1/4 B-500 | PU 1/4 T-500 | PU 1/4 G-500 | PU 1/4 R-500 | PU 1/4 Y-500 | | |
| 5/16" | 0.20" | 180 | PU 5/16 BK-500 | PU 5/16 B-500 | PU 5/16 T-500 | PU 5/16 G-500 | PU 5/16 R-500 | PU 5/16 Y-500 | | |
| 3/8" | 0.26" | 150 | PU 3/8 BK-500 | PU 3/8 B-500 | PU 3/8 T-500 | PU 3/8 G-500 | PU 3/8 R-500 | PU 3/8 Y-500 | | |
| 1/2" | 3/8" | 150 | PU 1/2 BK-500 | PU 1/2 B-500 | PU 1/2 T-500 | PU 1/2 G-500 | PU 1/2 R-500 | PU 1/2 Y-500 | | |
| 5/32" | 2 mm | 200 | PU 4 BK-500 | PU 4 B-500 | PU 4 T-500 | PU 4 G-500 | PU 4 R-500 | PU 4 Y-500 | | |
| 6 mm | 4 mm | 180 | PU 6 BK-500 | PU 6 B-500 | PU 6 T-500 | PU 6 G-500 | PU 6 R-500 | PU 6 Y-500 | | |
| 8 mm | 5 mm | 180 | PU 8 BK-500 | PU 8 B-500 | PU 8 T-500 | PU 8 G-500 | PU 8 R-500 | PU 8 Y-500 | | |
| 10 mm | 6.5 mm | 150 | PU 10 BK-500 | PU 10 B-500 | PU 10 T-500 | PU 10 G-500 | PU 10 R-500 | PU 10 Y-500 | | |
| 12 mm | 8 mm | 150 | PU 12 BK-500 | PU 12 B-500 | PU 12 T-500 | PU 12 G-500 | PU 12 R-500 | PU 12 Y-500 | | |
| 1/4" | 0.16" | 180 | PUC 1/4 BK-10 | | | | | | 10 ft Polyurethane Tubing Coil | |
| 3/8" | 0.26" | 150 | PUC 3/8 BK-10 | | | | | | 10 ft Polyurethane Tubing Coil | |

| Specifications | |
|----------------|-------------------------------|
| Temperature | -40 to 176° F, (-40 to 80° C) |
| Durometer | Shore A: 95 |
| Size Tolerance | +/- 0.004" (+/- 0.1 mm) |

LIMITED WARRANTY – IMPORTANT NOTICE TO PURCHASER

Sizto Tech Corporation (STC) warrants only this product is free from defects in materials and workmanship at the time of manufacture. This limited warranty expires one year after delivery to the end-user. STC's entire obligation to and the exclusive remedy of any party for breach of this limited warranty shall be limited to replacement of the defective product or refund of the original purchase price of this product, at STC's option. Purchaser has thirty (30) days to return the goods after STC has agreed to accept the return. All freight charges on returned material shall be paid by the Purchaser. STC's limited warranty shall not apply, however, to the product that have been subjected to misuse, alteration, accident or negligence during handling or storage.

DISCLAIMER OF IMPLIED WARRANTIES

All implied warranties, which may arise by implication of law or application of course of dealing or usage of trade, including, but not limited to, implied warranties of merchantability or fitness for a particular purpose are expressly excluded. There are no warranties, which extend beyond the description of the faced hereof. The end user is solely responsible for the suitability and fitness of this product selected for a particular application.