TruFit® Fittings

Pipe, Weld, and Adapter Fittings













Company Information



1926 SSP Fittings Corp. is founded in Cleveland, Ohio, U.S.A. SSP begins as a contract manufacturer of screw machine products in brass and carbon steel to general industry.

1940s World War II shifts the company's focus to production of fittings for tubing, pipe, and hose. Following the war, SSP's customers are able to satisfy their own requirements without relying on outside companies for production. SSP contracts.





1970s New Focus. By the early 1970s, SSP embarks on a market & manufacturing driven strategy of producing quality fittings from difficult-to-machine alloys. The performance requirements of customers utilizing these materials in industries as diverse as marine, defense, offshore oil, and aerospace, drive SSP to establish both conformance quality standards, and service levels, which are significantly ahead of general industry at the time.

1980s The "Works". Things are really happening for SSP. The company establishes a product line and distribution channel for hydraulic fittings, which require significant investments in a new, state-of-the-art facility south of Cleveland. SSP builds a 165,000 sq. ft. facility to house our vertically-integrated "Works," including, by now, tool & die design & production, custom closed-die forging, machining, finishing operations, assembly and test. With over 200 work centers,

1990s Market Expansion. In response to continued customer requests for alternative product

SSP's Twinsburg "Works" is among the largest single-site facilities in the



entire industry.

offerings in the Instrumentation fitting and valve marketplace, strategic plans were developed to design, manufacture and distribute American-manufactured, tube fittings and valves as direct alternatives to the registered trademark brands of Swagelok®, Parker CPI® and Hoke Gyrolok®. Finally, as has now come to be expected, SSP is one of the first companies in our market to earn ISO 9001 certification.

2000 The New Force. With an established, efficent distribution network in place, SSP expands into global markets with additional fabricated products under the instrumentation brand names Duolok®, Unilok®, Griplok®, TruFit® pipe, weld, hose and adapter fittings and FloLok® valves.

Significant investments in information technology, modern production equipment and Lean-Sigma® operational processes prepare the company to leverage its reputation for speed and high conformance quality with the sizable market opportunities targeted through decades of deliberate investment in the sound fundamentals of quality, service, performance, and value.

Swagelok® and Cajon® are a registered trademarks of Swagelok Co.

Parker CPI® and Parker™ are registered trademarks of Parker Hannifin.

Hoke Gyrolok® and Hoke® are registered trademarks of Hoke Inc.

Duolok®, Unilok®, Griplok®, TruFit® & FloLok® are registered trademarks of SSP Fittings Corp.

Lean-Sigma® is a registered trademark of TBM Consulting and Whirlpool Corp.

Viton® and Teflon® are registered trademarks of E.I. duPont Nemours and Co.

Mone® is a registered trademark of Inco Alloys International



NOTICE: This publication is an uncontrolled copy of a controlled document. SSP has made every reasonable effort to insure the accuracy of the information contained in this publication, and is not to be held liable in any manner for any mistakes, omissions, typographical and/or printing errors.

TruFit Fittings

Features

TruFit Pipe, Weld and Adapter Fittings are designed and manufactured to provide a reliable connection when welded, brazed or threaded to pipe, welded to tube, or threaded between components used in instrumentation, hydraulic, and process piping systems.



TruFit is manufactured from fully-traceable raw material to close tolerances and superior surface finishes. TruFit provides optimal performance when installed in accordance with SSP's recommendations and the design parameters appropriate for each type of connection – tapered thread, straight thread, and weld & braze.

Specification and Application Guidelines

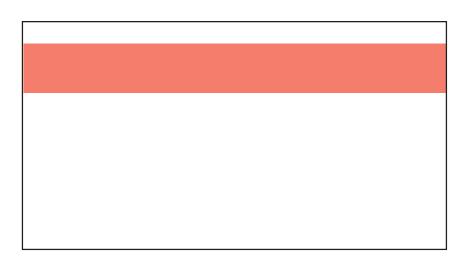
| Application Parameter | Tapered Thread | Parallel Thread | Weld & Braze |
|--|---|--|--|
| Pressures | Very high to >10,000 psi (static systems only) | High to 6,000 psi (static & dynamic systems) | Very high to 15,000 psi (static and dynamic systems) |
| Temperatures | Stainless: -425° to 1200°F Brass: -40° to 400°F Monel®: -65° to 800°F | Nitrile/Buna: -30° to 250°F Viton®: -15° to 400°F | Stainless: -425° to 1200°F |
| Vibration Resistance Materials | Poor 316/316L Stainless Steel to ASTM A-276 and A-479 bar stock, A-182 forgings. Brass CA377/CA360/CA345 to ASTM B-16 and B-435 bar stock, B-283 forgings | Very Good 316/316L stainless steel to ASTM A-276 and A-479 bar stock, A182 forgings | Excellent 316/316L stainless steel to ASTM A276 and A-479 bar stock, A-182 forgings |
| Size Available (nominal) | 1/16" - 2" | #4 - #32 | 1/8" - 2" |
| Seal Reliability | Good in static systems Poor in dynamic systems Medium tolerance to minor thread imperfections Medium tolerance to assembly variation | Excellent in static systems: Very good in dynamic systems Medium tolerance to thread & taper angle imperfections | Excellent. Permanently brazed or welded joints are leak-free & high resistance to vibration |
| Assembly | | | |
| Thread & Port Preparation | Anaerobic sealant, or pipe thread sealant or tape | General lubricant applied to threads | Fluxing and other prep steps required for weld. |
| Ease of Assembly | Medium L1 thread gauge & basic ass'y practices must be followed | High Intuitive make-up Repeatable Process | Difficult Certified welding or brazing skills required. |
| Ease of Maintenance | Limited breaks and remakes due to metal deformation of threads | Very good. Virtually unlimited breaks & remakes. O-ring replacement only | N/A. Permanently assembled joint cannot be maintained. |
| Specification Conformance (design thread and pressure) | NPT: ANSI B1.20.1 & AS- 7105 (frm. MIL-P-7105B) ISO/BSPT: ISO 7/1, JIS B0203, BS EN 10226-1 | SAE: J1926, ISO 11926, ASME B1.1, ISO 263 ISO/BSPP: ISO 228, JIS B0202 | NPT: ANSI B1.20 & AS7105 |
| Pressure Ratings | ASME B31.3 | ASME B31.3 | ASME B31.3 ASME B31.1 |

TruFit Fittings

Pressure Ratings

Catalog pressure ratings shown are for temperatures from –20 to 100°F (–28 to 37°C). See the individual part in question for exact maximum recommended pressures.

Pressure ratings from -20 to 100°F (-28 to 37°C) are based on an allowable stress value of 20,000 psi (1378 bar) in accordance with ASME B31.3.





| Parallel Thread (SAE) | | | | |
|-----------------------|-------|--------|-------|------|
| | | 316 SS | | |
| SAE / ISO | Mal | le | Fer | nale |
| Size | psig | bar | psig | bar |
| 1 | - | - | - | - |
| 2 | 6,000 | 414 | 5,500 | 380 |
| 4 | 6,000 | 414 | 5,400 | 373 |
| 6 | 6,000 | 414 | 5,400 | 373 |
| 8 | 6,000 | 414 | 4,800 | 331 |
| 12 | 4,800 | 331 | 4,200 | 290 |
| 16 | 3,600 | 248 | 2,400 | 166 |
| 20 | 3,000 | 207 | 2,000 | 138 |
| 24 | 2,400 | 166 | 1,800 | 124 |
| 32 | 1,800 | 124 | 1,500 | 104 |



| Weld & Braze | | | | | |
|--------------|------------|-----------|--------------|-------|-----|
| | | 316 SS | | | |
| Nominal | Pipe (Sche | edule 40) | Tubing | | |
| Size | psig | bar | Size | psig | bar |
| 1/16" | - | - | 1/16 x .020 | 12100 | 834 |
| 1/8" | 6296 | 434 | 1/8 x .035 | 11000 | 759 |
| 1/4" | 6111 | 421 | 1/4 x .049 | 10300 | 710 |
| 3/8" | 5056 | 349 | 3/8 x .065 | 6550 | 451 |
| 1/2" | 4866 | 336 | 1/2 x .083 | 6250 | 431 |
| 3/4" | 4036 | 278 | 3/4 x .095 | 5800 | 400 |
| 1" | 3793 | 278 | 1 x .109 | 4850 | 334 |
| 1-1/4" | 3163 | 262 | 1-1/4 x .156 | 4900 | 338 |
| 1-1/2" | 2862 | 197 | 1-1/2 x .188 | 4900 | 338 |
| 2" | 2432 | 167 | 2 x .188 | 3600 | 248 |



TruFit Fittings

Temperature Limitation

System temperatures may be limited by the thread sealant or, when applicable, the gasket or O-ring material. Pressure derating factors for applications at temperatures greater than 100°F (37°C) were determined from this pressure code and are listed in the tables below.

| STRESS F | STRESS FACTORS FOR DETERMINING PIPING SYSTEM PRESSURE RATINGS AT ELEVATED TEMPERATURES | | | |
|----------|--|--------------|-----------|--------|
| | TEMPE | RATURE STRES | S FACTORS | |
| Temp | erature | Stainle | ess Steel | Copper |
| °F | °C | 304SS | 316SS | |
| 100 | 38 | 1.00 | 1.00 | 1.00 |
| 200 | 93 | 1.00 | 1.00 | .80 |
| 300 | 149 | 1.00 | 1.00 | .78 |
| 400 | 204 | .94 | .97 | .50 |
| 500 | 260 | .88 | .90 | - |
| 600 | 316 | .82 | .85 | - |
| 700 | 371 | .80 | .82 | - |
| 800 | 427 | .76* | .80* | - |
| 900 | 482 | .73* | .78* | - |
| 1000 | 538 | .69* | .73* | - |
| 1200 | 649 | .30* | .37* | - |

^{*} The precipitation of chromium carbides potentially resulting in intergranular corrosion may occur when exposed to operating temperatures above 800°F. Consult the factory for further information.

INSTRUCTIONS: To determine maximum allowable working pressures for the piping system at elevated temperatures, multiply the applicable tube or pipe maximum allowable working pressure by the corresponding temperature stress factor from the table above.

Cleaning and Packaging

Standard

TruFit components are cleaned in accordance with SSP documented work instructions using equipment calibrated to NIST standards with environmentally-safe and stable agents, ultrasonics, and heat/temperature to remove all residual oil, grease and loose particles. Stainless steel components are passivated to the requirements of MIL QQ-P-35 and ASTM A 967.

Special

TruFit components are available specially cleaned and packaged for oxygen service to ensure compliance with the product cleanliness requirements as stated in CGA G-4.1 and ASTM G 93 Level C.



Interchangeability

TruFit pipe fittings are functionally interchangeable with Swagelok®/Cajon®, Parker™, and Hoke® instrumentation quality pipe, weld and adapter fittings.

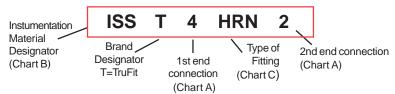






Tapered Thread (NPT)

Example: ISST4HRN2



| CHART A | | |
|---------|----------------------------|--|
| Size | Part # Size Designators | |
| | MNPT, FNPT Size* | |
| 1 | 1/16" | |
| 2 | 1/8" | |
| 4 | 1/4" | |
| 6 | 3/8" | |
| 8 | 1/2" | |
| 12 | 3/4" | |
| 16 | 1" | |
| 20 | 1-1/4" | |
| 24 | 1-1/2" | |
| 32 | 2" | |

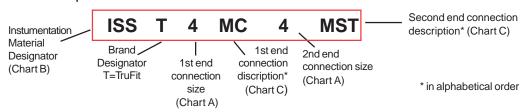


| CHART B | |
|------------|---------------------|
| Material | Material |
| Designator | |
| ISS | 316 Stainless Steel |
| IB | Brass |
| IM | Monel [®] |

| CHART C | | |
|-------------------------------------|-----------------|--|
| Description of TruFit Fitting Types | Type of Fitting | |
| Adapter | Α | |
| Branch Tee | BT | |
| Close Nipple | CN | |
| Elbow | E | |
| Elbow 45° | E45 | |
| Hex Coupling | HCG | |
| Hex Long Nipple | HLN | |
| Hex Nipple | HN | |
| Hollow Hex Plug | HHP | |
| Male Elbow | ME | |
| Male Tee | MT | |
| Pipe Cap | PCP | |
| Pipe Cross | PCS | |
| Pipe Plug | PP | |
| Pipe Tee | PT | |
| Reducing Adapter | RA | |
| Reducing Bushing | RB | |
| Reducing Street Elbow | RSE | |
| Street Elbow | SE | |
| Street Elbow 45° | SE45 | |
| Street Tee | ST | |

Parallel Thread (SAE)

Example: ISST4MC2MST



| CHART | CHART A | | |
|-------|----------------------------|--|--|
| Size | Part # Size Designators | | |
| | MNPT, FNPT Size* | | |
| 1 | 1/16" | | |
| 2 | 1/8" | | |
| 4 | 1/4" | | |
| 6 | 3/8" | | |
| 8 | 1/2" | | |
| 12 | 3/4" | | |
| 16 | 1" | | |
| 20 | 1-1/4" | | |
| 24 | 1-1/2" | | |
| 32 | 2" | | |



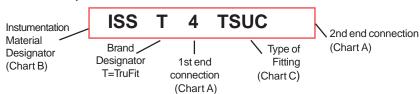
| CHART B | |
|------------------------|---------------------|
| Material Designator | Material |
| ISS | 316 Stainless Steel |

| CHART C | | |
|-------------------------------------|-----------------|--|
| Description of TruFit Fitting Types | Type of Fitting | |
| Female NPT | FC | |
| Female SAE | FST | |
| Male NPT | MC | |
| Male SAE | MST | |
| Plug, SAE | GP | |
| Plug, SAE countersunk | CGP | |

How To Order

Weld & Braze (Tube & Pipe)

Example: ISST4TSUC



| CHART A | | |
|---------|----------------------------|--|
| Size | Part # Size Designators | |
| 1 | 1/16" | |
| 2 | 1/8" | |
| 4 | 1/4" | |
| 6 | 3/8" | |
| 8 | 1/2" | |
| 12 | 3/4" | |
| 16 | 1" | |
| 20 | 1-1/4" | |
| 24 | 1-1/2" | |
| 32 | 2" | |

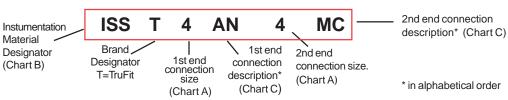


| CHART B | |
|------------------------|---------------------|
| Material Designator | Material |
| ISS | 316 Stainless Steel |
| IM | Monel® |

| CHART C | |
|-------------------------------------|-----------------|
| Description of TruFit Fitting Types | Type of Fitting |
| Adapter | MPTS |
| Adapter | MTTS |
| Female Connector | TSFC |
| Male Connector | TSMC |
| Female Elbow | TSFE |
| Male Elbow | TSME |
| Union | TSU |
| Cross | TSUC |
| Union Elbow | TSUE |
| Union Tee | TSUT |

Conversion Adapters (ISO, AN)

Example: ISST4AN4MC



| CHART | CHART A | | | | | |
|-------|----------------------------|--|--|--|--|--|
| Size | Part # Size Designators | | | | | |
| | MNPT, FNPT Size* | | | | | |
| 1 | 1/16" | | | | | |
| 2 | 1/8" | | | | | |
| 4 | 1/4" | | | | | |
| 6 | 3/8" | | | | | |
| 8 | 1/2" | | | | | |
| 12 | 3/4" | | | | | |
| 16 | 1" | | | | | |
| 20 | 1-1/4" | | | | | |
| 24 | 1-1/2" | | | | | |
| 32 | 2" | | | | | |



| CHART B | |
|------------------------|---------------------|
| Material Designator | Material |
| ISS | 316 Stainless Steel |
| IB | Brass |
| IM | Monel [®] |

| CHART C | |
|-------------------------------------|-----------------|
| Description of TruFit Fitting Types | Type of Fitting |
| 37° AN | AN |
| 37° AN Female | ANF |
| Female NPT | FC |
| Female ISO Straight | FRS |
| Male NPT | MC |
| Male ISO Straight | MRS |
| Male ISO Tapered | MRT |
| Male SAE | MST |

TruFit Visual Index

TAPERED THREAD

Nipple Adapter Cross pages 10-11 page 13 page 16 Pipe Cross Adapter Close Nipple (PCS) (A) (CN) Hex Nipple Reducing Adapter (HN) **Elbow** (RA) pages 16-17 **Elbow** (E) **Bushing** page 14 Hex Long Nipple (HLN) Reducing Bushing (RB) 45° Elbow (E45) Hex Reducing Nipple **Vent Protector** (HRN) page 14 **Mud Dauber** Male Elbow (MD) (ME) Coupling page 11 Hex Coupling (HCG) Tee Street Elbow page 15 (SE) Pipe Tee (PT) Hex Reducing Coupling (HRCG) Reducing Street Elbow Street Tee (RSE) (ST) Cap & Plug page 12 Pipe Cap (PCP) 45° Street Elbow (SE45) Branch Tee (BT) Pipe Plug (PP) **Union Ball Joint** page 17 Hollow Hex Plug Male Tee Female Pipe Union (HHP) (MT) (KUT)

Dimensions (shown in inches) are for reference only and subject to change.

When ordering, specify material designator with part number (see page 5 for complete ordering information).

TruFit Visual Index

PARALLEL THREAD

Adapter

pages 18 - 19

Female SAE x Male NPT Adapter (FST-MC)



Female SAE x Male SAE

Adapter (FST-MST)



Male NPT x Male SAE

Adapter (MC-MST)



Male SAE x Male SAE

(MST)



Plug

page 20

SAE Plug (GP)



SAE Countersunk

Plug (CGP)



Tube to Pipe

page 21

Tube Socket Weld Male Elbow



Tube Socket Weld Female

Elbow (TSFE)

(TSME)



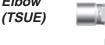
100

Tube to Tube Union

page 22

Tube Socket Weld Union (TSU)

Tube Socket Weld Union Elbow



Tube Socket Weld Union

Tee (TSUT)



Tube Socket Weld Union

Cross (TSUC)



CONVERSION ADAPTER

Adapter

pages 24-29

37° AN x Female NPT

Adapter (AN-FC)



37° AN x Male NPT

Adapter

(AN-MC)



37° AN x Male SAE

Adapter (AN-MST)



Female NPT x Male ISO

Straight Adapter

(FC-MRS)



Female NPT x Male ISO

Tapered Adapter (FC-MRT)

Female ISO Straight Adapter

x Male NPT

(FRS-MC)



WELD & BRAZE

Tube to Pipe

page 21

Tube Socket Weld Male Connector (TSMC)



Tube Socket Weld Female Connector

(TSFC)

Tube to Weld

page 23

Male Tube Weld x Tube Socket Weld

(MTTS)

Male Pipe Weld x Tube Socket Weld (MPTS)



Male NPT x Male ISO Straight

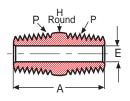
Adapter (MC-MRS)

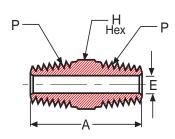


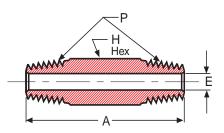
Male NPT x Male ISO Tapered

Adapter (MC-MRT)





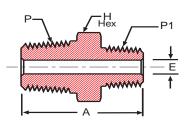




| Close Nipple (CN) | | | | | | | | | |
|-------------------|-----------|------|------------------|--------|-------|------------------|--|--|--|
| TruFit Part # | P Male | D | Dimensions (in.) | | | Pressure sig) | | | |
| | NPT Size | Α | E | Н | Brass | 316 SS | | | |
| T2CN | 1/8 | .75 | .16 | 7/16 | 5,050 | 10,100 | | | |
| T4CN | 1/4 | 1.13 | .25 | 9/16 | 4,050 | 8,300 | | | |
| T6CN | 3/8 | 1.13 | .34 | 11/16 | 3,950 | 7,850 | | | |
| T8CN | 1/2 | 1.50 | .42 | 7/8 | 3,850 | 7,750 | | | |
| T12CN | 3/4 | 1.50 | .57 | 1-1/16 | 3,650 | 7,350 | | | |
| T16CN | 1 | 1.88 | .84 | 1-3/8 | 2,650 | 5,500 | | | |

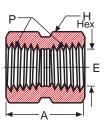
| Hex Nipple (HN) | | | | | | | | |
|-----------------|-----------|------|---------------|----------------------------|-------|--------|--|--|
| TruFit Part # | P Male | D | imensions (in | Working Pressure (psig) | | | | |
| | NPT Size | Α | E | Н | Brass | 316 SS | | |
| T1HN | 1/16 | 1.01 | .12 | 5/16 | 5,550 | 11,300 | | |
| T2HN | 1/8 | 1.06 | .18 | 7/16 | 5,050 | 10,100 | | |
| T4HN | 1/4 | 1.45 | .28 | 5/8 | 4,050 | 8,300 | | |
| T6HN | 3/8 | 1.45 | .40 | 3/4 | 3,950 | 7,850 | | |
| T8HN | 1/2 | 1.89 | .53 | 7/8 | 3,850 | 7,750 | | |
| T12HN | 3/4 | 1.96 | .71 | 1-1/8 | 3,650 | 7,350 | | |
| T16HN | 1 | 2.34 | .93 | 1-3/8 | 2,650 | 5,500 | | |
| T20HN | 1-1/4 | 2.48 | 1.25 | 1-3/4 | - | 6,200 | | |
| T24HN | 1-1/2 | 2.61 | 1.5 | 2 | - | 5,100 | | |
| T32HN | 2 | 2.82 | 1.93 | 2-1/2 | - | 4,000 | | |

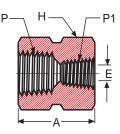
| | | | | | | · · | | | |
|-----------------------|-----------|------|---------------|----------------------------|-------|--------|--|--|--|
| Hex Long Nipple (HLN) | | | | | | | | | |
| TruFit Part # | P Male | D | imensions (ir | Working Pressure (psig) | | | | | |
| | NPT Size | Α | Е | Н | Brass | 316 SS | | | |
| T2HLN1.5 | 1/8 | 1.50 | .19 | 7/16 | 5,050 | 10,100 | | | |
| T2HLN2.0 | 1/8 | 2.00 | .19 | 7/16 | 5,050 | 10,100 | | | |
| T2HLN2.5 | 1/8 | 2.50 | .19 | 7/16 | 5,050 | 10,100 | | | |
| T2HLN3.0 | 1/8 | 3.00 | .19 | 7/16 | 5,050 | 10,100 | | | |
| T4HLN1.5 | 1/4 | 1.50 | .28 | 5/8 | 4,050 | 8,300 | | | |
| T4HLN2.0 | 1/4 | 2.00 | .28 | 5/8 | 4,050 | 8,300 | | | |
| T4HLN2.5 | 1/4 | 2.50 | .28 | 5/8 | 4,050 | 8,300 | | | |
| T4HLN3.0 | 1/4 | 3.00 | .28 | 5/8 | 4,050 | 8,300 | | | |
| T4HLN4.0 | 1/4 | 4.00 | .28 | 5/8 | 4,050 | 8,300 | | | |
| T6HLN1.5 | 3/8 | 1.50 | .40 | 3/4 | 3,950 | 7,850 | | | |
| T6HLN2.0 | 3/8 | 2.00 | .40 | 3/4 | 3,950 | 7,850 | | | |
| T6HLN2.5 | 3/8 | 2.50 | .40 | 3/4 | 3,950 | 7,850 | | | |
| T6HLN3.0 | 3/8 | 3.00 | .40 | 3/4 | 3,950 | 7,850 | | | |
| T8HLN2.0 | 1/2 | 2.00 | .53 | 7/8 | 3,850 | 7,750 | | | |
| T8HLN3.0 | 1/2 | 3.00 | .53 | 7/8 | 3,850 | 7,750 | | | |
| T8HLN4.0 | 1/2 | 4.00 | .53 | 7/8 | 3,850 | 7,750 | | | |
| T12HLN2.0 | 3/4 | 2.00 | .71 | 1-1/8 | 3,650 | 7,350 | | | |
| T12HLN3.0 | 3/4 | 3.00 | .71 | 1-1/8 | 3,650 | 7,350 | | | |
| T12HLN4.0 | 3/4 | 4.00 | .72 | 1-1/16 | 3,650 | 7,350 | | | |
| T16HLN3.0 | 1 | 3.00 | .93 | 1-3/8 | 2,650 | 5,500 | | | |
| T16HLN4.0 | 1 | 4.00 | .93 | 1-3/8 | 2,650 | 5,500 | | | |



| Hex Reducing Nipple (HRN) | | | | | | | | |
|---------------------------|-----------|------------|------------------|-----|-------|-------|---------------------|--|
| TruFit Part # | P Male | P1 Male | Dimensions (in.) | | | | g Pressure osig) | |
| | NPT Size | NPT Size | Α | Е | Н | Brass | 316 SS | |
| T2HRN1 | 1/8 | 1/16 | 1.03 | .11 | 7/16 | 5,050 | 10,100 | |
| T4HRN2 | 1/4 | 1/8 | 1.26 | .19 | 5/8 | 4,050 | 8,300 | |
| T6HRN2 | 3/8 | 1/8 | 1.26 | .19 | 3/4 | 3,950 | 7,850 | |
| T6HRN4 | 3/8 | 1/4 | 1.45 | .28 | 3/4 | 3,950 | 7,850 | |
| T8HRN2 | 1/2 | 1/8 | 1.51 | .19 | 7/8 | 3,850 | 7,750 | |
| T8HRN4 | 1/2 | 1/4 | 1.70 | .28 | 7/8 | 3,850 | 7,750 | |
| T8HRN6 | 1/2 | 3/8 | 1.70 | .40 | 7/8 | 3,850 | 7,750 | |
| T12HRN4 | 3/4 | 1/4 | 1.77 | .28 | 1-1/8 | 3,650 | 7,350 | |
| T12HRN8 | 3/4 | 1/2 | 1.96 | .53 | 1-1/8 | 3,650 | 7,350 | |
| T16HRN8 | 1 | 1/2 | 2.15 | .53 | 1-3/8 | 2,650 | 5,500 | |
| T16HRN12 | 1 | 3/4 | 2.15 | .71 | 1-3/8 | 2,650 | 5,500 | |
| T20HRN16 | 1-1/4 | 1 | 2.45 | .93 | 1-3/4 | - | 5,500 | |
| T24HRN16 | 1-1/2 | 1 | 2.55 | .93 | 2 | - | 5,100 | |

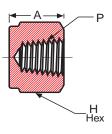
Coupling

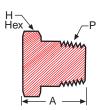


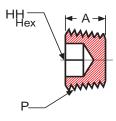


| TruFit Part # | P Female | | | ensions | (in.) | Working Pressure (psig) | |
|------------------|-------------|----------|------|---------|-------|-------------------------|--------|
| | NPT Size | NPT Size | Α | E | Н | Brass | 316 SS |
| T2HCG | 1/8 | - | .75 | .34 | 5/8 | 3,250 | 9,250 |
| T4HCG | 1/4 | - | 1.13 | .45 | 3/4 | 3,350 | 7,750 |
| T6HCG | 3/8 | - | 1.13 | .59 | 7/8 | 2,650 | 6,800 |
| T8HCG | 1/2 | - | 1.50 | .73 | 1-1/8 | 2,450 | 5,950 |
| T12HCG | 3/4 | - | 1.53 | .94 | 1-3/8 | 2,350 | 5,600 |
| T16HCG | 1 | - | 1.89 | 1.17 | 1-5/8 | 2,250 | 5,250 |
| T20HCG | 1-1/4 | - | 1.93 | 1.68 | 2 | - | 6,350 |
| T24HCG | 1-1/2 | - | 1.93 | 1.92 | 2-3/8 | - | 5,600 |
| T32HCG | 2 | - | 1.96 | 2.39 | 2-7/8 | - | 4,650 |

| Hex Reducing Coupling (HRCG) | | | | | | | | |
|------------------------------|-------------|---|------|------|---------------------|-------|--------|--|
| TruFit Part # | P P1 Female | • | | | g Pressure osig) | | | |
| | NPT Size | NPT Size | Α | E | Н | Brass | 316 SS | |
| T4HRCG2 | 1/4 | 1/8 | 1.13 | .43 | 3/4 | 3,250 | 7,750 | |
| T6HRCG4 | 3/8 | 1/4 | 1.13 | .56 | 7/8 | 2,650 | 6,800 | |
| T8HRCG2 | 1/2 | 1/8 | 1.50 | .43 | 1-1/8 | 2,450 | 5,950 | |
| T8HRCG4 | 1/2 | 1/4 | 1.50 | .56 | 1-1/8 | 2,450 | 5,950 | |
| T8HRCG6 | 1/2 | 3/8 | 1.50 | .70 | 1-1/8 | 2,450 | 5,950 | |
| T12HRCG4 | 3/4 | 1/4 | 1.75 | .56 | 1-3/8 | 2,350 | 5,600 | |
| T12HRCG8 | 3/4 | 1/2 | 1.88 | .86 | 1-3/8 | 2,350 | 5,600 | |
| T16HRCG8 | 1 | 1/2 | 1.89 | .86 | 1-5/8 | 2,250 | 5,250 | |
| T16HRCG12 | 1 | 3/4 | 1.89 | 1.07 | 1-5/8 | 2,250 | 5,250 | |



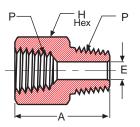


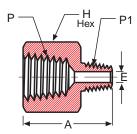


| Pipe Cap (PCP) | | | | | | | | | |
|------------------|-------------|--------|------------|----------------------------|--------|--|--|--|--|
| TruFit Part # | P Female | Dimens | ions (in.) | Working Pressure (psig) | | | | | |
| | NPT Size | Α | Н | Brass | 316 SS | | | | |
| T2PCP | 1/8 | .53 | 5/8 | 3,250 | 9,250 | | | | |
| T4PCP | 1/4 | .91 | 3/4 | 3,350 | 7,750 | | | | |
| T6PCP | 3/8 | 1.03 | 7/8 | 2,650 | 6,800 | | | | |
| T8PCP | 1/2 | 1.34 | 1-1/8 | 2,450 | 5,950 | | | | |
| T12PCP | 3/4 | 1.44 | 1-3/8 | 2,350 | 5,600 | | | | |
| T16PCP | 1 | 1.62 | 1-5/8 | 2,250 | 5,250 | | | | |

| 1 101 01 | | 1.02 | 1 0/0 | 2,200 | 0,200 | | | | | |
|------------------|-----------|--------|------------------|-------|-----------------|--|--|--|--|--|
| Pipe Plug (PP) | | | | | | | | | | |
| TruFit Part # | P Male | Dimens | Dimensions (in.) | | Pressure ig) | | | | | |
| | NPT Size | Α | Н | Brass | 316 SS | | | | | |
| T1PP | 1/16 | .53 | 3/8 | 5,550 | 11,300 | | | | | |
| T2PP | 1/8 | .56 | 7/16 | 5,050 | 10,100 | | | | | |
| T4PP | 1/4 | .74 | 9/16 | 4,050 | 8,300 | | | | | |
| T6PP | 3/8 | .78 | 11/16 | 3,950 | 7,850 | | | | | |
| T8PP | 1/2 | .97 | 7/8 | 3,850 | 7,750 | | | | | |
| T12PP | 3/4 | 1.10 | 1-1/16 | 3,650 | 7,350 | | | | | |
| T16PP | 1 | 1.24 | 1-5/16 | 2,650 | 5,500 | | | | | |
| T20PP | 1-1/4 | 1.44 | 1-3/4 | - | 6,200 | | | | | |
| T24PP | 1-1/2 | 1.50 | 2 | - | 5,100 | | | | | |
| T32PP | 2 | 1.62 | 2-1/2 | - | 4,000 | | | | | |

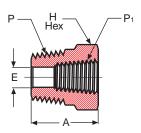
| Hollow Hex Plug (HHP) | | | | | | | | | |
|-----------------------|--------------------|------------------|------|----------------------------|--------|--|--|--|--|
| TruFit Part # | P Male NPT Size | Dimensions (in.) | | Working Pressure (psig) | | | | | |
| | | Α | HH | Brass | 316 SS | | | | |
| T2HHP | 1/8 | .30 | 3/16 | 5,050 | 10,100 | | | | |
| T4HHP | 1/4 | .46 | 1/4 | 4,050 | 8,300 | | | | |
| Т6ННР | 3/8 | .46 | 5/16 | 3,950 | 7,850 | | | | |
| Т8ННР | 1/2 | .54 | 3/8 | - | 7,750 | | | | |
| T12HHP | 3/4 | .55 | 9/16 | - | 7,350 | | | | |
| T16HHP | 1 | .69 | 5/8 | - | 5,500 | | | | |





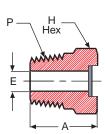
| Adapte | Adapter (A) | | | | | | | | | | | |
|-----------------|------------------------------|--------------|------|------------|--------|-------------------|--------|--|--|--|--|--|
| TruFit Part# | P Male & | P1 Male & | Diı | mensions (| in.) | Working F (psi | | | | | | |
| | Female Female NPT Size NPT S | | Α | E | Н | Brass | 316 SS | | | | | |
| T2A | 1/8 | - | 1.04 | .21 | 9/16 | 3,250 | 9,250 | | | | | |
| T4A | 1/4 | - | 1.39 | .28 | 3/4 | 3,350 | 7,750 | | | | | |
| T6A | 3/8 | - | 1.44 | .40 | 7/8 | 2,650 | 6,800 | | | | | |
| T8A | 1/2 | - | 1.87 | .50 | 1-1/16 | 2,450 | 5,950 | | | | | |
| T12A | 3/4 | - | 1.93 | .53 | 1-1/8 | 2,350 | 5,600 | | | | | |
| T16A | 1 | - | 2.37 | .72 | 1-3/8 | 2,250 | 5,250 | | | | | |

| Reduci | ng Ada | pter (R/ | 1) | | | | | |
|------------------|-------------|------------|------------------|-----|-------|----------------------------|--------|--|
| TruFit Part # | P Female | P1 Male | Dimensions (in.) | | | Working Pressure (psig) | | |
| | NPT Size | NPT Size | Α | E | Н | Brass | 316 SS | |
| T2RA1 | 1/8 | 1/1 6 | 1.09 | .15 | 9/16 | 3,250 | 9,250 | |
| T4RA2 | 1/4 | 1/8 | 1.21 | .19 | 3/4 | 3,350 | 7,750 | |
| T6RA2 | 3/8 | 1/8 | 1.25 | .19 | 7/8 | 2,650 | 6,800 | |
| T6RA4 | 3/8 | 1/4 | 1.44 | .28 | 7/8 | 2,650 | 6,800 | |
| T8RA2 | 1/2 | 1/8 | 1.50 | .19 | 1-1/8 | 2,450 | 5,950 | |
| T8RA4 | 1/2 | 1/4 | 1.68 | .28 | 1-1/8 | 2,450 | 5,950 | |
| T8RA6 | 1/2 | 3/8 | 1.68 | .41 | 1-1/8 | 2,450 | 5,950 | |
| T12RA4 | 3/4 | 1/4 | 1.78 | .28 | 1-3/8 | 2,350 | 5,600 | |
| T12RA6 | 3/4 | 3/8 | 1.78 | .40 | 1-3/8 | 2,350 | 5,600 | |
| T12RA8 | 3/4 | 1/2 | 1.93 | .53 | 1-3/8 | 2,350 | 5,600 | |
| T16RA4 | 1 | 1/4 | 2.00 | .28 | 1-5/8 | 2,250 | 5,250 | |
| T16RA8 | 1 | 1/2 | 2.18 | .53 | 1-5/8 | 2,250 | 5,250 | |
| T16RA12 | 1 | 3/4 | 2.18 | .72 | 1-5/8 | 2,250 | 5,250 | |
| T20RA16 | 1-1/4 | 1 | 2.46 | .93 | 2 | - | 5,500 | |
| T24RA16 | 1-1/2 | 1 | 2.47 | .93 | 2-3/8 | - | 5,500 | |



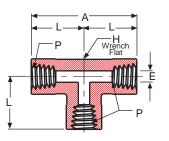
| TruFit | Р | ning (RB | | imensions | (in) | Working Pressure | | |
|---------|----------|----------|------|---------------|--------|------------------|--------|--|
| Part # | Male | Female | | 1111611310113 | (psig) | | | |
| | NPT Size | | Α | Е | Н | Brass | 316 SS | |
| T2RB1 | 1/8 | 1/16 | .63 | .19 | 7/16 | 3,350 | 9,600 | |
| T4RB2 | 1/4 | 1/8 | .85 | .28 | 5/8 | 3,250 | 8,300 | |
| T6RB2 | 3/8 | 1/8 | .85 | .34 | 3/4 | 3,250 | 7,850 | |
| T6RB4 | 3/8 | 1/4 | .85 | .40 | 3/4 | 3,350 | 7,750 | |
| T8RB2 | 1/2 | 1/8 | 1.09 | .34 | 7/8 | 3,250 | 7,750 | |
| T8RB4 | 1/2 | 1/4 | 1.09 | .43 | 7/8 | 3,350 | 7,750 | |
| T8RB6 | 1/2 | 3/8 | 1.10 | .53 | 7/8 | 2,650 | 6,800 | |
| T12RB4 | 3/4 | 1/4 | 1.17 | .56 | 1-1/8 | 3,350 | 7,350 | |
| T12RB6 | 3/4 | 3/8 | 1.17 | .57 | 1-1/8 | 2,650 | 6,800 | |
| T12RB8 | 3/4 | 1/2 | 1.17 | .70 | 1-1/8 | 2,450 | 5,950 | |
| T16RB4 | 1 | 1/4 | 1.36 | .44 | 1-3/8 | 2,650 | 5,500 | |
| T16RB6 | 1 | 3/8 | 1.36 | .58 | 1-3/8 | 2,650 | 5,500 | |
| T16RB8 | 1 | 1/2 | 1.36 | .70 | 1-3/8 | 2,450 | 5,500 | |
| T16RB12 | 1 | 3/4 | 1.36 | .92 | 1-3/8 | 2,350 | 5,500 | |
| T20RB16 | 1-1/4 | 1 | 1.47 | 1.15 | 1-3/4 | - | 5,250 | |
| T24RB16 | 1-1/2 | 1 | 1.57 | 1.15 | 2 | - | 5,100 | |
| T24RB20 | 1-1/2 | 1-1/4 | 1.57 | 1.50 | 2 | - | 5,100 | |
| T32RB16 | 2 | 1 | 1.75 | 1.50 | 2-1/2 | - | 4,000 | |
| T32RB20 | 2 | 1-1/4 | 1.75 | 1.50 | 2-1/2 | - | 4,000 | |
| T32RB24 | 2 | 1-1/2 | 1.75 | 1.70 | 2-1/2 | - | 4,000 | |

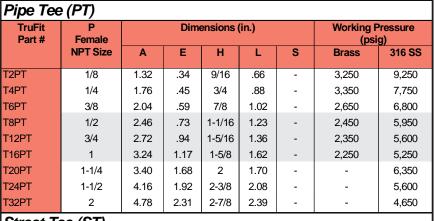
Vent Protector

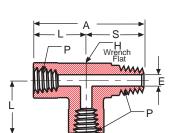


| Mud Dauber (MD) | | | | | | | | | | |
|-----------------|--------------------|------------------|-----|----------|--|--|--|--|--|--|
| TruFit Part# | P-NPT Male Pipe | Dimensions (in.) | | | | | | | | |
| | a.o : .pe | Α | E | Н | | | | | | |
| T2MD | 1/8 | .56 | .19 | 9/16 | | | | | | |
| T4MD | 1/4 | .75 | .28 | 9/16 | | | | | | |
| T6MD | 3/8 | .78 | .37 | 11/16 | | | | | | |
| T8MD | 1/2 | .96 | .46 | 7/8 | | | | | | |
| T12MD | 3/4 | 1.10 | .63 | 1 - 1/16 | | | | | | |

^{*}Not a pressure containing device.

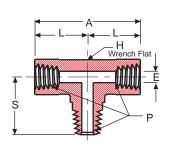






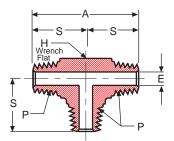
| Street Tee (ST) |
|-----------------|
|-----------------|

| TruFit Part # | P Male & | | Dime | ensions (| (in.) | | Working Pressure (psig) | |
|------------------|--------------------|------|------|-----------|-------|------|----------------------------|--------|
| | Female NPT Size | Α | E | Н | L | S | Brass | 316 SS |
| T2ST | 1/8 | 1.44 | .19 | 9/16 | .66 | .78 | 3,250 | 9,250 |
| T4ST | 1/4 | 1.97 | .28 | 3/4 | .88 | 1.09 | 3,350 | 7,750 |
| T6ST | 3/8 | 2.24 | .40 | 7/8 | 1.02 | 1.22 | 2,650 | 6,800 |
| T8ST | 1/2 | 2.70 | .53 | 1-1/16 | 1.23 | 1.47 | 2,450 | 5,250 |
| T12ST | 3/4 | 2.99 | .71 | 1-3/8 | 1.38 | 1.61 | - | 5,600 |
| T16ST | 1 | 3.59 | .93 | 1-5/8 | 1.62 | 1.97 | - | 5,250 |
| T20ST | 1-1/4 | 4.08 | 1.25 | 2 | 1.70 | 2.38 | - | 6,350 |
| T24ST | 1-1/2 | 4.72 | 1.50 | 2-3/8 | 2.08 | 2.64 | - | 5,600 |
| T32ST | 2 | 5.39 | 1.94 | 2-7/8 | 2.39 | 3.00 | - | 4,650 |



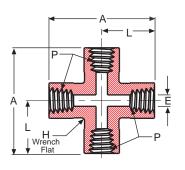
Branch Tee (BT)

| | ` / | | | | | | | | | |
|------------------|--------------------|------|------|-----------|----------------------------|------|-------|--------|--|--|
| TruFit Part # | P Male & | | Dime | ensions (| Working Pressure (psig) | | | | | |
| | Female NPT Size | Α | E | Н | L | S | Brass | 316 SS | | |
| T2BT | 1/8 | 1.32 | .19 | 9/16 | .66 | .78 | 3,250 | 9,250 | | |
| T4BT | 1/4 | 1.76 | .28 | 3/4 | .88 | 1.09 | 3,350 | 7,750 | | |
| T6BT | 3/8 | 2.04 | .40 | 7/8 | 1.02 | 1.22 | 2,650 | 6,800 | | |
| T8BT | 1/2 | 2.46 | .53 | 1-1/16 | 1.23 | 1.47 | 2,450 | 5,950 | | |
| T12BT | 3/4 | 2.27 | .71 | 1-3/8 | 1.36 | 1.59 | - | 5,600 | | |
| T16BT | 1 | 3.24 | .93 | 1-5/8 | 1.62 | 1.97 | - | 5,250 | | |
| T20BT | 1-1/4 | 3.40 | 1.25 | 2 | 1.70 | 2.38 | - | 6,200 | | |
| T24BT | 1-1/2 | 4.16 | 1.50 | 2-3/8 | 2.08 | 2.64 | - | 5,100 | | |
| T32BT | 2 | 4.78 | 1.94 | 2-7/8 | 2.39 | 3.00 | - | 4,000 | | |



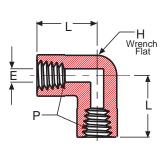
Male Tee (MT)

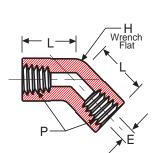
| TruFit Part # | P Male | | Dime | ensions (| Working Pressure (psig) | | | | | |
|------------------|-----------|------|------|-----------|----------------------------|-------|--------|--------|--|--|
| NPT Size | Α | Е | Н | ٦ | S | Brass | 316 SS | | | |
| T2MT | 1/8 | 1.56 | .19 | 7/16 | - | .78 | 5,050 | 10,100 | | |
| T4MT | 1/4 | 2.18 | .28 | 9/16 | - | 1.09 | 4,050 | 8,300 | | |
| T6MT | 3/8 | 2.44 | .40 | 3/4 | - | 1.22 | 3,950 | 7,850 | | |
| T8MT | 1/2 | 2.94 | .53 | 7/8 | - | 1.47 | 3,850 | 7,750 | | |
| T12MT | 3/4 | 3.18 | .71 | 1-1/16 | - | 1.59 | - | 7,350 | | |
| T16MT | 1 | 3.94 | .93 | 1-5/16 | - | 1.97 | - | 5,500 | | |

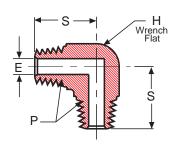


| Pipe Cross (PCS) | | | | | | | | | | |
|------------------|-------------|------|----------|----------------------------|------|-------|--------|--|--|--|
| TruFit Part # | P Female | | Dimensio | Working Pressure (psig) | | | | | | |
| | NPT Size | Α | E | Н | L | Brass | 316 SS | | | |
| T2PCS | 1/8 | 1.32 | .34 | 9/16 | .66 | 3,250 | 9,250 | | | |
| T4PCS | 1/4 | 1.76 | .45 | 3/4 | .88 | 3,350 | 7,750 | | | |
| T6PCS | 3/8 | 2.04 | .59 | 7/8 | 1.02 | 2,650 | 6,800 | | | |
| T8PCS | 1/2 | 2.46 | .73 | 1-1/16 | 1.23 | 2,450 | 5,950 | | | |
| T12PCS | 3/4 | 2.72 | .94 | 1-5/16 | 1.36 | 2,350 | 5,600 | | | |
| T16PCS | 1 | 3.24 | 1.17 | 1-5/8 | 1.62 | 2,250 | 5,250 | | | |

Elbow



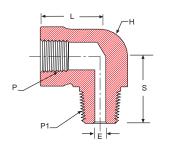


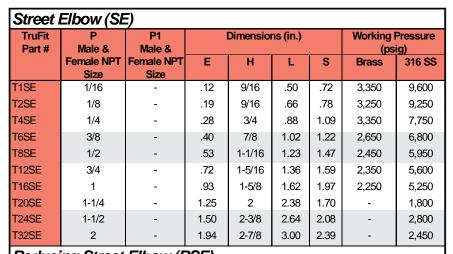


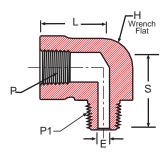
| Elbow (E) | | | | | | | | | | |
|------------------|-------------|------|---------------|----------------------------|--------|-------|--|--|--|--|
| TruFit Part # | P Female | D | imensions (ir | Working Pressure (psig) | | | | | | |
| | NPT Size | Е | Н | Brass | 316 SS | | | | | |
| T2E | 1/8 | .34 | 9/16 | .66 | 3,250 | 9,250 | | | | |
| T4E | 1/4 | .45 | 3/4 | .88 | 3,350 | 7,750 | | | | |
| T6E | 3/8 | .59 | 7/8 | 1.02 | 2,650 | 6,800 | | | | |
| T8E | 1/2 | .73 | 1-1/16 | 1.23 | 2,450 | 5,950 | | | | |
| T12E | 3/4 | .94 | 1-5/16 | 1.36 | 2,350 | 5,600 | | | | |
| T16E | 1 | 1.17 | 1-5/8 | 1.62 | 2,250 | 5,250 | | | | |
| T20E | 1-1/4 | 1.47 | 1-7/8 | 1.70 | - | 1,800 | | | | |
| T24E | 1-1/2 | 1.69 | 2-1/2 | 2.08 | - | 4,550 | | | | |
| T32E | 2 | 2.16 | 2-7/8 | 2.39 | - | 3,050 | | | | |

| 45° Elbo | 45° Elbow (E45) | | | | | | | | | | | |
|------------------|-----------------|-----|---------------|----------------------------|-------|--------|--|--|--|--|--|--|
| TruFit Part # | P Female | D | imensions (ir | Working Pressure (psig) | | | | | | | | |
| | NPT Size | E | Н | L | Brass | 316 SS | | | | | | |
| T2E45 | 1/8 | .19 | 9/16 | .50 | 3,250 | 9,250 | | | | | | |
| T4E45 | 1/4 | .28 | 3/4 | .69 | 3,350 | 7,750 | | | | | | |
| T6E45 | 3/8 | .38 | 7/8 | .75 | 2,650 | 6,800 | | | | | | |
| T8E45 | 1/2 | .47 | 1-1/16 | .94 | 2,450 | 5,950 | | | | | | |
| T12E45 | 3/4 | .62 | 1-5/16 | 1.00 | 2,350 | 5,600 | | | | | | |
| T16E45 | 1 | .88 | 1-5/8 | 1.19 | 2,250 | 5,250 | | | | | | |

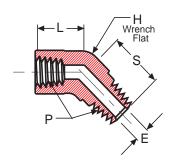
| <i> Male Elb</i> | Male Elbow (ME) | | | | | | | | | | | | | |
|------------------|-----------------|-----|---------------|-------------------------|-------|--------|--|--|--|--|--|--|--|--|
| TruFit Part # | P Male | D | imensions (ir | Working Pressure (psig) | | | | | | | | | | |
| | NPT Size | E | Н | S | Brass | 316 SS | | | | | | | | |
| T2ME | 1/8 | .19 | 7/16 | .78 | 5,050 | 10,100 | | | | | | | | |
| T4ME | 1/4 | .28 | 9/16 | 1.09 | 4,050 | 8,300 | | | | | | | | |
| T6ME | 3/8 | .40 | 3/4 | 1.22 | 3,950 | 7,850 | | | | | | | | |
| T8ME | 1/2 | .53 | 7/8 | 1.47 | 3,850 | 7,750 | | | | | | | | |
| T12ME | 3/4 | .72 | 1-1/16 | 1.59 | 2,100 | 4,150 | | | | | | | | |
| T16ME | 1 | .94 | 1-5/8 | 1.57 | 1,500 | 3,800 | | | | | | | | |





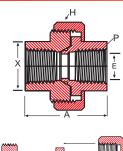


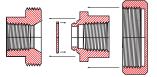
| Reduci | Reducing Street Elbow (RSE) | | | | | | | | | | | | | |
|------------------|-----------------------------|------------|-----|--------|------|------|-------|--------|--|--|--|--|--|--|
| TruFit Part # | P Female | P1 Male | | | | | | | | | | | | |
| | NPT Size | NPT Size | E | Н | L | S | Brass | 316 SS | | | | | | |
| T2RSE1 | 1/8 | 1/16 | .12 | 9/16 | .91 | .88 | 3,250 | 9,250 | | | | | | |
| T4RSE2 | 1/4 | 1/8 | .19 | 3/4 | .91 | .88 | 3,350 | 7,750 | | | | | | |
| T6RSE4 | 3/8 | 1/4 | .28 | 7/8 | 1.22 | 1.02 | 2,650 | 6,800 | | | | | | |
| T8RSE4 | 1/2 | 1/4 | .28 | 1-1/16 | 1.28 | 1.23 | 2,450 | 5,950 | | | | | | |
| T8RSE6 | 1/2 | 3/8 | .40 | 1-1/16 | 1.28 | 1.23 | 2,450 | 5,950 | | | | | | |



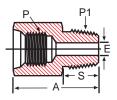
| 45° Str | 45° Street Elbow (SE45) | | | | | | | | | | | | |
|---------|-------------------------|-------------------|------|----------|------|-----------|--------------|--------|--|--|--|--|--|
| TruFit | P Mala 9 | P1 | | Dimensio | | Working I | | | | | | | |
| Part # | Male & Female NPT | Male & Female NPT | E | н | L | S | (ps Brass | 316 SS | | | | | |
| | Size | Size | | | | | | | | | | | |
| T2SE45 | 1/8 | - | .19 | 9/16 | .47 | .72 | 3,250 | 9,250 | | | | | |
| T4SE45 | 1/4 | - | .28 | 3/4 | .62 | 1.05 | 3,350 | 7,750 | | | | | |
| T6SE45 | 3/8 | - | .40 | 7/8 | .72 | 1.06 | 2,650 | 6,800 | | | | | |
| T8SE45 | 1/2 | - | .53 | 1-1/16 | .91 | 1.34 | 2,450 | 5,950 | | | | | |
| T12SE45 | 3/4 | - | .71 | 1-5/16 | .97 | 1.38 | 2,350 | 5,600 | | | | | |
| T16SE45 | 1 | - | .93 | 1-5/8 | 1.12 | 1.72 | 2,250 | 5,250 | | | | | |
| T20SE45 | 1-1/4 | - | 1.25 | 2 | 1.80 | 1.63 | - | 2,350 | | | | | |
| T24SE45 | 1-1/2 | - | 1.50 | 2-3/8 | 2.06 | 1.69 | - | 2,800 | | | | | |

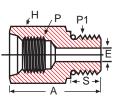
Union Ball Joint





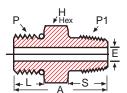
| Female | Pipe (| Union (Ł | (UT) | | | | | |
|------------------|--------------|---------------|------|--------|------------|------------------|---------------------|-------|
| TruFit Part # | Pipe Size | P Female | | Dimens | ions (in.) | Teflon Ring | Working Pressure | |
| | | NPT Thread | Α | E | Size | 316 SS (psig) | | |
| T2KUT | 1/8 | 1/8 | 1.63 | .34 | 1-1/8 | .75 | 8TR | 6,950 |
| T4KUT | 1/4 | 1/4 | 1.63 | .39 | 1-1/8 | .75 | 8TR | 5,700 |
| T6KUT | 3/8 | 3/8 | 1.73 | .46 | 1-1/4 | .88 | 10TR | 4,600 |
| T8KUT | 1/2 | 1/2 | 1.91 | .62 | 1-3/4 | 1.13 | 14TR | 5,250 |
| T12KUT | 3/4 | 3/4 | 2.31 | .81 | 2 | 1.38 | 16TR | 7,200 |
| T16KUT | 1 | 1 | 2.91 | 1.04 | 2-1/2 | 1.81 | 20TR | 5,350 |
| T20KUT | 1-1/4 | 1-1/4 | 3.67 | 1.38 | 3 | 2.25 | 24TR | 5,550 |
| T24KUT | 1-1/2 | 1-1/2 | 3.80 | 1.61 | 3-5/16 | 2.50 | 28TR | 4,200 |
| T32KUT | 2 | 2 | 4.05 | 2.06 | 3-3/4 | 3.00 | 36TR | 4,000 |

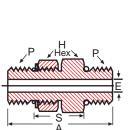




| Female SA | Female SAE x Male NPT (FST-MC) | | | | | | | | | | | |
|------------------|--------------------------------|----------------|-------------------------|-----|--------|--------|--------|--|--|--|--|--|
| TruFit Part # | P Female SAE | P1 Male NPT | Dimensions (in.) Workin | | | | | | | | | |
| i dit# | Thread | Thread | Α | Е | 316 SS | | | | | | | |
| | | | | | | | (psig) | | | | | |
| T6FST4MC | 9/16 – 18 | 1/4 - 18 | 1.36 | .28 | .56 | 13/16 | 5,400 | | | | | |
| T8FST6MC | 3/4 - 16 | 3/8 – 18 | 1.49 | .41 | .56 | 1-1/16 | 5,400 | | | | | |
| T8FST8MC | 3/4 - 16 | 1/2 - 14 | 1.58 | .53 | .75 | 1-1/16 | 5,400 | | | | | |

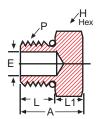
| Female SAE x Male SAE (FST-MST) | | | | | | | | | | | | | |
|---------------------------------|-------------|--------------|------|-------|-----------|--------|--------------------|--|--|--|--|--|--|
| TruFit Part # | P Female | P1 Male | | Dimen | sions (ir | 1.) | Working | | | | | | |
| Part# | SAE Thread | SAE Thread | Α | Е | S | н | Pressure 316 SS | | | | | | |
| | 0712 11000 | 0712 1111000 | | _ | · · | •• | (psig) | | | | | | |
| T4FST4MST | 7/16 – 20 | 7/16 – 20 | 1.06 | .20 | .36 | 11/16 | 5,400 | | | | | | |
| T4FST6MST | 9/16 – 18 | 7/16 – 20 | 1.16 | .20 | .36 | 13/16 | 5,400 | | | | | | |
| T6FST4FST | 7/16 – 20 | 9/16 – 18 | .97 | .30 | .39 | 11/16 | 5,400 | | | | | | |
| T6FST6MST | 9/16 – 18 | 9/16 – 18 | 1.19 | .30 | .39 | 13/16 | 5,400 | | | | | | |
| T6FST8MST | 3/4 - 16 | 9/16 – 18 | 1.38 | .30 | .39 | 1-1/16 | 4,800 | | | | | | |
| T8FST6MST | 9/16 – 18 | 3/4 - 16 | 1.06 | .42 | .44 | 7/8 | 5,400 | | | | | | |
| T8FST8MST | 3/4 - 16 | 3/4 - 16 | 1.47 | .42 | .44 | 1-1/16 | 4,800 | | | | | | |
| T8FST10MST | 7/8 – 14 | 3/4 - 16 | 1.56 | .42 | .44 | 1-1/8 | 3,600 | | | | | | |
| T10FST6MST | 9/16 – 18 | 7/8 – 14 | .81 | .50 | .50 | 1 | 6,000 | | | | | | |
| T10FST8MST | 3/4 - 16 | 7/8 – 14 | 1.31 | .50 | .50 | 1 | 4,800 | | | | | | |
| T10FST12MST | 1-1/16 - 12 | 7/8 – 14 | 1.69 | .50 | .50 | 1-3/8 | 4,200 | | | | | | |
| T12MST8FST | 3/4 - 16 | 1-1/16 – 12 | 1.00 | .69 | .59 | 1-1/4 | 5,400 | | | | | | |
| T12FST10MST | 7/8 – 14 | 1-1/16 – 12 | 1.44 | .66 | .59 | 1-1/4 | 3,600 | | | | | | |
| T12FST12MST | 1-1/16 – 12 | 1-1/16 – 12 | 1.86 | .66 | .59 | 1-3/8 | 3,600 | | | | | | |
| T12FST16MST | 1-5/16 – 12 | 1-1/16 – 12 | 1.88 | .66 | .59 | 1-5/8 | 2,400 | | | | | | |
| T16FST8MST | 3/4 - 16 | 1-5/16 – 12 | 1.00 | .69 | .59 | 1-1/2 | 6,000 | | | | | | |
| T16FST12MST | 1-1/16 – 12 | 1-5/16 – 12 | 1.75 | .88 | .59 | 1-1/2 | 4,200 | | | | | | |
| T16FST16MST | 1-5/16 – 12 | 1-5/16 – 12 | 1.91 | .88 | .59 | 1-5/8 | 4,200 | | | | | | |
| T20FST6MST | 9/16 – 18 | 1-5/8 — 12 | 1.20 | .50 | .59 | 1-7/8 | 3,600 | | | | | | |
| T20FST12MST | 1-1/16 – 12 | 1-5/8 – 12 | 1.00 | .97 | .59 | 1-7/8 | 3,600 | | | | | | |
| T20FST16MST | 1-5/16 – 12 | 1-5/8 — 12 | 1.00 | 1.22 | .59 | 1-7/8 | 2,400 | | | | | | |
| T20FST24MST | 1-7/8 – 12 | 1-5/8 – 12 | 1.88 | 1.09 | .59 | 2-1/2 | 1,800 | | | | | | |
| T24FST16MST | 1-5/16 – 12 | 1-7/8 – 12 | 1.00 | 1.22 | .59 | 2-1/8 | 2,400 | | | | | | |
| T24FST20MST | 1-5/8 – 12 | 1-7/8 – 12 | 1.27 | 1.50 | .59 | 2-1/8 | 2,400 | | | | | | |
| T32FST24MST | 1-7/8 - 12 | 2-1/2 - 12 | 1.00 | 1.79 | .59 | 2-3/4 | 1,800 | | | | | | |





| Male NPT | x Male S | AE (MC- | MST) | | | | | |
|------------------|----------------|---------------|------|------------------|------|-----|-------|---------------------|
| TruFit Part # | P Male | P1 Male | | Dimensions (in.) | | | | Working Pressure |
| | NPT Thread | SAE Thread | Α | Е | S | ٦ | H | 316 SS (psig) |
| T2MC4MST | 1/8 - 27 | 7/16 - 20 | 1.07 | .19 | .38 | .30 | 9/16 | 6,000 |
| T4MC2MST | 1/4 - 18 | 7/16 - 20 | 1.24 | .20 | .56 | .36 | 9/16 | 6,000 |
| T4MC4MST | 1/4 - 18 | 1/2 - 20 | 1.24 | .28 | .56 | .36 | 5/8 | 6,000 |
| T4MC6MST | 3/8 - 18 | 9/16 - 18 | 1.30 | .30 | .56 | .39 | 11/16 | 6,000 |
| T6MC6MST | 1/4 - 18 | 9/16 - 18 | 1.30 | .28 | .56 | .36 | 11/16 | 6,000 |
| T6MC8MST | 3/8 - 18 | 3/4 - 16 | 1.37 | .41 | .56 | .39 | 7/8 | 6,000 |
| T8MC8MST | 1/2 - 14 | 3/4 - 16 | 1.56 | .42 | .75 | .44 | 7/8 | 6,000 |
| T8MC10MST | 3/4 - 14 | 3/4 - 16 | 1.59 | .42 | .75 | .59 | 1-1/8 | 4,800 |
| T12MC8MST | 1/2 - 14 | 7/8 - 14 | 1.69 | .50 | .75 | .44 | 1 | 5,400 |
| T12MC12MST | 3/4 - 14 | 1-1/16 - 12 | 1.75 | .66 | .75 | .59 | 1-1/4 | 4,800 |
| T12MC16MST | 3/4 - 14 | 1-5/16 - 12 | 1.89 | .72 | .75 | .59 | 1-1/2 | 3,600 |
| T16MC16MST | 1 - 11-1/2 | 1-5/16 - 12 | 1.90 | .84 | .94 | .59 | 1-1/2 | 3,600 |
| T20MC20MST | 1-1/4 - 11-1/2 | 1-5/8 - 12 | 2.17 | 1.09 | .97 | .59 | 1-7/8 | 3,000 |
| T24MC24MST | 1-1/2 - 11-1/2 | 1-7/8 - 12 | 2.28 | 1.34 | 1.00 | .59 | 2-1/8 | 2,400 |

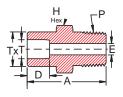
| 124100241001 | 1-1/2 - 11-1/2 | 1-1/0- | 12 2.2 | 0 1.54 | 1.00 | .59 | 2-1/0 | 2,400 | | | |
|------------------|----------------|--------|---------------------|--------|------|-------|-------|-------|--|--|--|
| Male SAE | Ex Male S | AE (N | IST) | | | | | | | | |
| TruFit Part # | P Male | | Dimensions (in.) Wo | | | | | | | | |
| | SAE Thread | Α | A E S L H | | | | | | | | |
| T4MST | 7/16 – 20 | 1.22 | .20 | .50 | - | 9/16 | (| 6,000 | | | |
| T6MST | 9/16 – 18 | 1.04 | .30 | .59 | - | 11/16 | 6 | 5,000 | | | |
| T8MST | 3/4 - 16 | 1.56 | .42 | .63 | - | 7/8 | 6 | 5,000 | | | |
| T10MST | 7/8 – 14 | 1.81 | .48 | .75 | - | 1 | | 5,400 | | | |
| T12MST | 1-1/16 – 12 | 2.13 | .66 | .89 | - | 1-1/4 | 4 | 1,800 | | | |
| T16MSST | 1-5/16 – 12 | 2.13 | .88 | .89 | - | 1-1/2 | 3 | 3,600 | | | |
| T20MST | 1-5/8 –12 | 2.13 | 1.08 | .89 | - | 1-7/8 | 3 | 3,000 | | | |
| T24MST | 1-7/8 – 12 | 2.13 | 1.34 | .89 | - | 2-1/8 | 2 | 2,400 | | | |
| T32MST | 2-1/2 - 12 | 2.13 | 1.81 | .89 | - | 2-3/4 | 1 | 1,800 | | | |

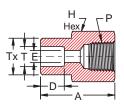




| Plug, SA | AE (GP) | | | | | | |
|------------------|-------------|------|------|---------------------|-----|-------|------------------|
| TruFit Part # | P Thread | | D | Working Pressure | | | |
| | | Α | E | S | L | Н | 316 SS (psig) |
| T2GP | 5/16 – 24 | .60 | .09 | .28 | .30 | 7/16 | 7,200 |
| T3GP | 3/8 - 24 | .60 | .13 | .28 | .30 | 1/2 | 7,200 |
| T4GP | 7/16 – 20 | .67 | .20 | .28 | .36 | 9/16 | 7,200 |
| T5GP | 1/2 - 20 | .67 | .23 | .28 | .36 | 5/8 | 7,200 |
| T6GP | 9/16 – 18 | .73 | .30 | .31 | .39 | 11/16 | 7,200 |
| T8GP | 3/4 - 16 | .80 | .42 | .34 | .44 | 7/8 | 7,200 |
| T10GP | 7/8 – 14 | .93 | .50 | .41 | .50 | 1 | 7,200 |
| T12GP | 1-1/16 - 12 | 1.09 | .66 | .47 | .59 | 1-1/4 | 7,200 |
| T14GP | 1-3/16 – 12 | 1.09 | .72 | .47 | .59 | 1-3/8 | 6,600 |
| T16GP | 1-5/16 – 12 | 1.12 | .88 | .50 | .59 | 1-1/2 | 6,600 |
| T20GP | 1-5/8 – 12 | 1.20 | 1.09 | .58 | .59 | 1-7/8 | 4,800 |
| T24GP | 1-7/8 – 12 | 1.27 | 1.34 | .65 | .59 | 2-1/8 | 3,600 |
| T32GP | 2-1/2 - 12 | 1.43 | 1.81 | .81 | .59 | 2-3/4 | 2,400 |

| | | | | | | , - | _, |
|------------------|-------------|--------|--------|----------|-------|-------|---------------------|
| Plug, S | AE Coun | tersur | nk (CG | P) | | | |
| TruFit Part # | P Thread | | Di | mensions | (in.) | | Working Pressure |
| | | Α | E | S | L | Н | 316 SS (psig) |
| T2CGP | 5/16 – 24 | .40 | - | .30 | - | 1/8 | 7,200 |
| T3CGP | 3/8 – 24 | .40 | - | .30 | - | 1/8 | 7,200 |
| T4CGP | 7/16 – 20 | .47 | - | .36 | - | 3/16 | 7,200 |
| T5CGP | 1/2 - 20 | .47 | - | .36 | - | 3/16 | 7,200 |
| T6CGP | 9/16 – 18 | .50 | - | .39 | - | 1/4 | 7,200 |
| T8CGP | 3/4 - 16 | .58 | - | .44 | - | 5/16 | 7,200 |
| T10CGP | 7/8 – 14 | .65 | - | .50 | - | 6/16 | 7,200 |
| T12CGP | 1-1/16 – 12 | .77 | - | .59 | - | 9/16 | 7,200 |
| T14CGP | 1-3/16 – 12 | .77 | - | .59 | - | 9/16 | 6,600 |
| T16CGP | 1-5/16 – 12 | .77 | - | .59 | - | 10/16 | 6,600 |
| T20CGP | 1-5/8 – 12 | .77 | - | .59 | - | 3/4 | 4,800 |
| T24CGP | 1-7/8 – 12 | .77 | - | .59 | - | 3/4 | 3,600 |
| T32CGP | 2-1/2 - 12 | .77 | - | .59 | - | 3/4 | 2,400 |

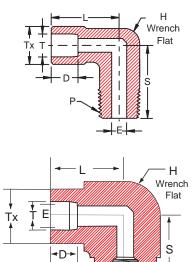




| Tube Sock | et We | ld Male | e Con | necto | r (TSM | IC) | | | | | |
|------------------|-----------|---------------|-------|------------------|--------|-------|------|-------|--|--|--|
| TruFit Part # | T Tube | P-NPT Male | | Dimensions (in.) | | | | | | | |
| | O.D. | Pipe | Α | A D E H Tx | | | | | | | |
| T4TSMC4 | 1/4 | 1/4 | 1.12 | .25 | .19 | 5/8 | .50 | 8,000 | | | |
| T6TSMC4 | 3/8 | 1/4 | 1.25 | .34 | .28 | 5/8 | .60 | 8,000 | | | |
| T6TSMC6 | 3/8 | 3/8 | 1.31 | .34 | .28 | 3/4 | .63 | 7,800 | | | |
| T6TSMC8 | 3/8 | 1/2 | 1.50 | .34 | .37 | 7/8 | .63 | 7,700 | | | |
| T8TSMC4 | 1/2 | 1/4 | 1.44 | .40 | .28 | 13/16 | .79 | 6,600 | | | |
| T8TSMC6 | 1/2 | 3/8 | 1.31 | .38 | .37 | 3/4 | .73 | 6,600 | | | |
| T8TSMC8 | 1/2 | 1/2 | 1.66 | .41 | .43 | 7/8 | .81 | 6,600 | | | |
| T10TSMC10 | 5/8 | 1/2 | 1.63 | .47 | .50 | 15/16 | .92 | 6,700 | | | |
| T12TSMC12 | 3/4 | 3/4 | 1.69 | .50 | .66 | 1-1/8 | 1.11 | 6,700 | | | |
| T16TSMC16 | 1 | 1 | 2.00 | .56 | .91 | 1-3/8 | 1.36 | 6,100 | | | |

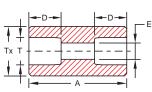
| Tube Sock | et We | ld Fem | ale C | onne | ctor (T | SFC) | | | | | |
|------------------|-----------|---------------|-------|------------------|---------|-------|------|------------------|--|--|--|
| TruFit Part # | T Tube | P-NPT Male | | Dimensions (in.) | | | | | | | |
| | O.D. | Pipe | Α | D | E | Н | Тх | 316 SS (psig) | | | |
| T2TSFC2 | 1/8 | 1/8 | .88 | .20 | .09 | 9/16 | .38 | 6,500 | | | |
| T4TSFC2 | 1/4 | 1/8 | .97 | .25 | .19 | 9/16 | .50 | 6,500 | | | |
| T4TSFC4 | 1/4 | 1/4 | 1.13 | .25 | .19 | 3/4 | .50 | 6,600 | | | |
| T6TSFC4 | 3/8 | 1/4 | 1.22 | .34 | .31 | 3/4 | .63 | 6,600 | | | |
| T8TSFC6 | 1/2 | 3/8 | 1.41 | .40 | .43 | 7/8 | .81 | 5,300 | | | |
| T8TSFC8 | 1/2 | 1/2 | 1.63 | .40 | .43 | 1-1/8 | .81 | 4,900 | | | |
| T10TSFC8 | 5/8 | 1/2 | 1.63 | .47 | .50 | 1-1/8 | .94 | 4,600 | | | |
| T12TSFC12 | 3/4 | 3/4 | 1.78 | .50 | .66 | 1-3/8 | 1.13 | 4,600 | | | |

Tube Socket Weld Elbow

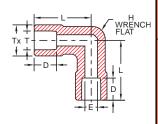


| TruFit Part # | T Tube | P-NPT Male | | Dimensions (in.) | | | | | | |
|------------------|-----------|---------------|-----|------------------|------|------|-------|------|------------------|--|
| | O.D. | Pipe | D | Е | L | S | Н | Tx | 316 SS (psig) | |
| T4TSME4 | 1/4 | 1/4 | .25 | .28 | .66 | 1.09 | 1/2 | .50 | 8,000 | |
| T6TSME4 | 3/8 | 1/4 | .31 | .28 | .91 | 1.09 | 1/2 | .58 | 8,000 | |
| T6TSME6 | 3/8 | 3/8 | .34 | .41 | .93 | 1.24 | 11/16 | .63 | 7,800 | |
| T6TSME8 | 3/8 | 1/2 | .46 | .53 | .97 | 1.47 | 13/16 | .39 | 7,700 | |
| T8TSME8 | 1/2 | 1/2 | .40 | .53 | 1.08 | 1.49 | 13/16 | .81 | 6,600 | |
| T12TSME12 | 3/4 | 3/4 | .50 | .71 | 1.33 | 1.61 | 1 | 1.12 | 5,800 | |

| Tube Socke | Tube Socket Weld Female Elbow (TSFE) TruFit T P-NPT Dimensions (in.) Working | | | | | | | | | | | | |
|------------------|---|---------------|-----|--------------------------------|------|------|--------|------|-------|--|--|--|--|
| TruFit Part # | T Tube | P-NPT Male | | Dimensions (in.) D E L S H Tx | | | | | | | | | |
| | O.D. | Pipe | D | | | | | | | | | | |
| T4TSFE4 | 1/4 | 1/4 | .25 | .19 | .81 | .90 | 3/4 | .50 | 7,400 | | | | |
| T6TSFE4 | 3/8 | 1/4 | .34 | .31 | .91 | .88 | 7/8 | .63 | 7,400 | | | | |
| T6TSFE8 | 3/8 | 1/2 | .40 | .31 | 1.03 | 1.23 | 1-1/16 | .63 | 5,700 | | | | |
| T8TSFE8 | 1/2 | 1/2 | .41 | .44 | 1.13 | 1.23 | 1-1/16 | .81 | 5,700 | | | | |
| T10TSFE10 | 5/8 | 1/2 | .47 | .50 | 1.16 | 1.23 | 1-1/16 | .94 | 5,600 | | | | |
| T12TSFE12 | 3/4 | 3/4 | .50 | .66 | 1.44 | 1.36 | 1-5/16 | 1.13 | 4,600 | | | | |

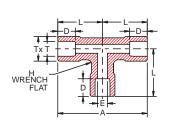


| Tube Socket Weld Union (TSU) | | | | | | | | | | | | |
|------------------------------|------------------|-----------|------|------------------|-----|---|---|------|------------------------------|--|--|--|
| | TruFit Part # | T Tube | | Dimensions (in.) | | | | | | | | |
| - | | O.D. | Α | D | E | L | Н | Tx | Pressure 316 SS (psig) | | | |
| - | T4TSU | 1/4 | .75 | .25 | .18 | - | - | .50 | 10,700 | | | |
| | T6TSU | 3/8 | .97 | .34 | .31 | - | - | .60 | 8,100 | | | |
| | T8TSU | 1/2 | 1.06 | .40 | .44 | - | - | .81 | 6,600 | | | |
| | T10TSU | 5/8 | 1.25 | .47 | .50 | - | - | .93 | 6,400 | | | |
| | T12TSU | 3/4 | 1.31 | .50 | .65 | - | - | 1.12 | 5,900 | | | |
| | T16TSU | 1 | 1.56 | .56 | .90 | - | - | 1.37 | 5,600 | | | |



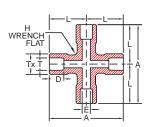
| Tube Sock | ket Weld | d Union | Elbow | (TSUE |) |
|-----------|----------|---------|--------------|-----------|----|
| TruFit | Т | | Dim | ensions (| iı |

| TruFit Part # | T Tube | | | Dimen | sions (in | .) | | Working Pressure |
|------------------|-----------|---|-----|-------|-----------|-------|------|------------------|
| | O.D. | Α | D | Е | L | Н | Tx | 316 SS (psig) |
| T4TSUE | 1/4 | - | .25 | .18 | .69 | 7/16 | .49 | 10,700 |
| T6TSUE | 3/8 | - | .34 | .31 | .81 | 1/2 | .58 | 8,100 |
| T8TSUE | 1/2 | - | .40 | .44 | 1.02 | 3/4 | .78 | 6,600 |
| T10TSUE | 5/8 | - | .47 | .50 | 1.16 | 7/8 | .92 | 6,700 |
| T12TSUE | 3/4 | - | .50 | .65 | 1.31 | 1 | 1.12 | 5,900 |
| T16TSUE | 1 | - | .56 | .91 | 1.47 | 1-1/4 | 1.37 | 5,600 |



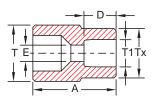
Tube Socket Weld Union Tee (TSUT)

| TruFit Part # | T Tube | | | Dimen | sions (in | .) | | Working Pressure |
|------------------|-----------|------|-----|-------|-----------|--------|------|---------------------|
| | O.D. | Α | D | Е | L | Н | Tx | 316 SS (psig) |
| T2TSUT | 1/8 | 1.26 | .20 | .09 | .63 | 7/16 | .38 | 12,600 |
| T4TSUT | 1/4 | 1.38 | .25 | .18 | .69 | 7/16 | .50 | 10,700 |
| T6TSUT | 3/8 | 1.62 | .34 | .31 | .81 | 9/16 | .63 | 8,100 |
| T8TSUT | 1/2 | 2.00 | .40 | .43 | 1.00 | 3/4 | .73 | 6,600 |
| T10TSUT | 5/8 | 2.30 | .46 | .50 | 1.16 | 7/8 | .88 | 6,700 |
| T12TSUT | 3/4 | 2.62 | .50 | .65 | 1.31 | 1-1/16 | 1.04 | 5,900 |
| T16TSUT | 1 | 2.94 | .56 | .90 | 1.47 | 1-5/16 | 1.44 | 5,600 |

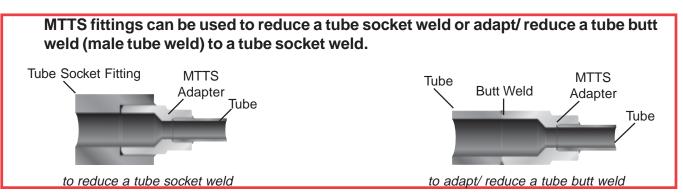


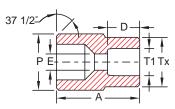
| Tube | Socket | Weld | Union | Cross | (TSUC |
|-------|--------|------|---------|--------------------------|-------|
| IIUNE | JUCKEL | | UIIIUII | <i>U</i> <i>U</i> 33 | 11300 |

| Tube 300 | VEL AACU | u Oilio | | 33 (<i>1</i> (| | | | |
|----------|----------|---------|-----|-----------------|-----------|--------|------|----------|
| TruFit | T | | | Dimen | sions (in | .) | | Working |
| Part # | Tube | | | | | | | Pressure |
| | O.D. | A | D | E | L | H | Tx | 316 SS |
| | | | | | | | | (psig) |
| T2TSUC | 1/8 | 1.26 | .20 | .09 | .63 | 7/16 | .38 | 11,000 |
| T4TSUC | 1/4 | 1.38 | .25 | .18 | .69 | 7/16 | .49 | 10,700 |
| T6TSUC | 3/8 | 1.62 | .34 | .31 | .81 | 9/16 | .58 | 8,100 |
| T8TSUC | 1/2 | 2.00 | .40 | .44 | 1.00 | 3/4 | .78 | 6,600 |
| T12TSUC | 3/4 | 2.62 | .50 | .65 | 1.31 | 1-1/16 | 1.16 | 5,900 |

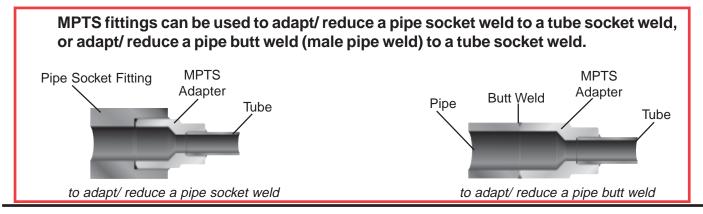


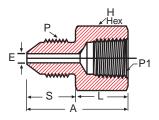
| Male Tube | Weld x | Tube Soci | ket We | eld (M7 | rts) | | |
|------------------|-----------|------------|--------|---------|-------------|-----|---------------------|
| TruFit Part # | T Tube | T1 Tube | | Dimens | sions (in.) | | Working Pressure |
| | O.D. | Socket | Α | D | E | Tx | 316 SS (psig) |
| T4MTTS2 | 1/4 | 1/8 | .56 | .10 | .09 | .29 | 12,600 |
| T6MTTS4 | 3/8 | 1/4 | .75 | .28 | .18 | .48 | 8,200 |
| T8MTTS4 | 1/2 | 1/4 | .88 | .28 | .18 | .50 | 7,500 |
| T8MTTS6 | 1/2 | 3/8 | .88 | .31 | .32 | .60 | 7,500 |
| T12MTTS8 | 3/4 | 1/2 | 1.12 | .38 | .40 | .75 | 6,300 |
| T16MTTS8 | 1 | 1/2 | 1.38 | .38 | .40 | .73 | 5,300 |



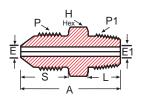


| TruFit Part # | P Pipe | T1 Tube | | Dimensions (in.) | | | Working Pressure |
|------------------|-----------|------------|------|------------------|-----|------|---------------------|
| | Size | Socket | Α | D | E | Tx | 316 SS (psig) |
| T4MPTS4 | 1/4 | 1/4 | .88 | .28 | .18 | .48 | 9,600 |
| T6MPTS6 | 3/8 | 3/8 | 1.03 | .31 | .28 | .60 | 7,600 |
| T6MPTS8 | 3/8 | 1/2 | 1.00 | .38 | .42 | .73 | 6,200 |
| T8MPTS4 | 1/2 | 1/4 | 1.12 | .28 | .18 | .48 | 7,300 |
| T8MPTS6 | 1/2 | 3/8 | 1.12 | .31 | .28 | .60 | 7,300 |
| T8MPTS8 | 1/2 | 1/2 | 1.19 | .38 | .40 | .73 | 6,200 |
| T12MPTS6 | 3/4 | 3/8 | 1.50 | .31 | .28 | .60 | 6,200 |
| T12MPTS8 | 3/4 | 1/2 | 1.50 | .38 | .40 | .73 | 6,200 |
| T12MPTS12 | 3/4 | 3/4 | 1.50 | .44 | .62 | 1.05 | 5,700 |
| T16MPTS6 | 1 | 3/8 | 1.38 | .31 | .28 | .60 | 5,600 |
| T16MPTS8 | 1 | 1/2 | 1.56 | .38 | .40 | .73 | 5,600 |

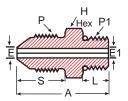




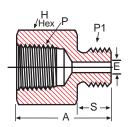
| 37° AN F | ema | le (AN-l | FC) | | | | | | | |
|------------------|--------------|-------------|---------------|------|------|--------|---------|-------|-----------------|------------------|
| TruFit Part # | Tube O.D. | P Thread | P1 Female | | Dim | ension | s (in.) | | | rking ssure |
| | | | NPT Thread | A | E | S | L | Н | Brass (psig) | 316 SS (psig) |
| T2AN2FC | 1/8 | 5/16 | 1/8 | 1.12 | .06 | .45 | .67 | 9/16 | - | 6,000 |
| T4AN2FC | 1/4 | 7/16 | 1/8 | 1.19 | .17 | .55 | .64 | 9/16 | 3,250 | 6,000 |
| T4AN4FC | 1/4 | 7/16 | 1/4 | 1.38 | .17 | .55 | .83 | 3/4 | 3,250 | 6,000 |
| T5AN4FC | 5/16 | 1/2 | 1/4 | 1.34 | .23 | .55 | .79 | 3/4 | - | 6,000 |
| T6AN4FC | 3/8 | 9/16 | 1/4 | 1.40 | .30 | .56 | .84 | 3/4 | 3,250 | 6,000 |
| T6AN6FC | 3/8 | 9/16 | 3/8 | 1.41 | .30 | .56 | .85 | 7/8 | 3,250 | 6,000 |
| T8AN6FC | 1/2 | 3/4 | 3/8 | 1.56 | .39 | .66 | .90 | 7/8 | - | 6,000 |
| T8AN4FC | 1/2 | 3/4 | 1/4 | 1.55 | .39 | .61 | .89 | 13/16 | - | 6,000 |
| T8AN8FC | 1/2 | 3/4 | 1/2 | 1.75 | .39 | .66 | 1.09 | 1-1/8 | - | 6,000 |
| T10AN8FC | 5/8 | 7/8 | 1/2 | 1.89 | .48 | .76 | 1.13 | 1-1/8 | - | 6,000 |
| T12AN12FC | 3/4 | 1-1/16 | 3/4 | 2.06 | .61 | .86 | 1.05 | 1-3/8 | 2,600 | 4,800 |
| T12AN8FC | 3/4 | 1-1/16 | 1/2 | 1.91 | .61 | .86 | 1.20 | 1-1/8 | - | 5,400 |
| T16AN16FC | 1 | 1-5/16 | 1 | 2.35 | .84 | .91 | 1.46 | 1-5/8 | 1,950 | 3,600 |
| T20AN20FC | 1-1/4 | 1-5/8 | 1-1/4 | 2.49 | 1.08 | .96 | 1.53 | 2 | - | 3,000 |
| T24AN24FC | 1-1/2 | 1-7/8 | 1-1/2 | 2.62 | 1.31 | 1.08 | 1.54 | 2-3/8 | - | 2,400 |
| T32AN32FC | 2 | 2-1/2 | 2 | 2.97 | 1.78 | 1.33 | 1.64 | 2-7/8 | - | 1,800 |



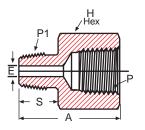
| TruFit Part # | Tube O.D. | P Thread | P1 Female | | - 1 | Dimens | ions (ir | 1.) | | Worl | king Pres | sure |
|------------------|--------------|-------------|---------------|------|------|--------|----------|------|---------|-----------------|-----------------|------------------|
| Fail# | 0.0. | mreau | NPT Thread | Α | E | E1 | S | L | Н | Brass (psig) | Monel (psig) | 316 SS (psig) |
| T2AN2MC | 1/8 | 5/16 – 24 | 1/8 | 1.11 | .06 | .19 | .45 | .38 | 7/16 | - | - | 6,000 |
| T3AN2MC | 3/16 | 3/8 - 24 | 1/8 | 1.14 | .13 | .19 | .48 | .38 | 7/16 | - | - | 6,000 |
| T4AN2MC | 1/4 | 7/16 - 20 | 1/8 | 1.22 | .17 | .17 | .55 | .38 | 1/2 | 3,250 | 5,610 | 6,000 |
| T4AN4MC | 1/4 | 7/16 - 20 | 1/4 | 1.42 | .17 | .17 | .55 | .56 | 9/16 | 3,250 | 5,610 | 6,000 |
| T4AN6MC | 1/4 | 7/16 - 20 | 3/8 | 1.44 | .17 | .17 | .55 | .56 | 3/4 | - | - | 6,000 |
| T4AN8MC | 1/4 | 7/16 - 20 | 1/2 | 1.69 | .17 | .17 | .55 | .75 | 7/8 | - | - | 6,000 |
| T5AN2MC | 5/16 | 1/2 - 20 | 1/8 | 1.22 | .23 | .19 | .55 | .38 | 9/16 | - | - | 6,000 |
| T5AN4MC | 5/16 | 1/2 - 20 | 1/4 | 1.42 | .23 | .23 | .55 | .56 | 9/16 | - | - | 6,000 |
| T6AN2MC | 3/8 | 9/16 – 18 | 1/8 | 1.24 | .30 | .19 | .56 | .38 | 5/8 | - | 5,610 | 6,000 |
| T6AN4MC | 3/8 | 9/16 – 18 | 1/4 | 1.43 | .30 | .28 | .56 | .56 | 5/8 | 3,250 | 5,610 | 6,000 |
| T6AN6MC | 3/8 | 9/16 – 18 | 3/8 | 1.44 | .30 | .30 | .56 | .56 | 3/4 | 3,250 | 5,610 | 6,000 |
| T6AN8MC | 3/8 | 9/16 – 18 | 1/2 | 1.69 | .30 | .30 | .56 | .75 | 7/8 | - | - | 6,000 |
| T8AN4MC | 1/2 | 3/4 - 16 | 1/4 | 1.53 | .39 | .19 | .66 | .56 | 13/16 | - | 5,610 | 6,000 |
| T8AN6MC | 1/2 | 3/4 - 16 | 3/8 | 1.53 | .39 | .39 | .66 | .56 | 13/16 | 3,250 | 5,610 | 6,000 |
| T8AN8MC | 1/2 | 3/4 - 16 | 1/2 | 1.78 | .39 | .39 | .66 | .75 | 7/8 | 3,250 | 5,610 | 6,000 |
| T8AN12MC | 1/2 | 3/4 - 16 | 3/4 | 1.85 | .39 | .39 | .66 | .75 | 1-1/8 | - | - | 4,800 |
| T10AN8MC | 5/8 | 7/8 – 14 | 1/2 | 1.89 | .48 | .48 | .76 | .75 | 15/16 | - | - | 6,000 |
| T10AN12MC | 5/8 | 7/8 – 14 | 3/4 | 1.95 | .48 | .48 | .76 | .75 | 1-1/8 | - | - | 4,800 |
| T12AN8MC | 3/4 | 1-1/16 – 12 | 1/2 | 2.06 | .61 | .53 | .86 | .75 | 1-1/8 | - | 5,049 | 5,400 |
| T12AN12MC | 3/4 | 1-1/16 – 12 | 3/4 | 2.06 | .61 | .61 | .86 | .75 | 1-1/8 | 2,600 | 4,488 | 4,800 |
| T12AN16MC | 3/4 | 1-1/16 – 12 | 1 | 2.25 | .61 | .61 | .86 | .94 | 1-3/8 | - | 3,366 | 3,600 |
| T14AN12MC | 7/8 | 1-3/16 – 12 | 3/4 | 2.09 | .72 | .72 | .86 | .75 | 1-1/4 | - | - | 4,200 |
| T16AN12MC | 1 | 1-5/16 – 12 | 3/4 | 2.11 | .84 | .72 | .91 | .75 | 1-3/8 | - | 3,927 | 4,200 |
| T16AN16MC | 1 | 1-5/16 – 12 | 1 | 2.30 | .84 | .84 | .91 | .94 | 1-3/8 | 1,950 | 3,366 | 3,600 |
| T20AN20MC | 1-1/4 | 1-5/8 – 12 | 1-1/4 | 2.45 | 1.08 | 1.08 | .96 | .97 | 1-11/16 | - | 2,805 | 3,000 |
| T24AN24MC | 1-1/2 | 1-7/8 – 12 | 1-1/2 | 2.68 | 1.31 | 1.31 | 1.08 | 1.00 | 2 | - | 2,244 | 2,400 |
| T32AN32MC | 2 | 2-1/2 - 12 | 2 | 3.11 | 1.78 | 1.78 | 1.33 | 1.03 | 2-5/8 | - | - | 1,800 |

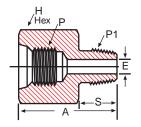


| 37° AN x Male SAE (AN-MST) | | | | | | | | | | | |
|----------------------------|------|-------------|------------|------|------|-------|---------|-------|-------|--------|----------------|
| TruFit | Tube | P | P1 Male | | | Dimen | sions (| (in.) | | | king |
| Part # | O.D. | Thread | SAE | A | E | E1 | s | L | н | Monel | sure 316 SS |
| | | | Thread | , , | _ | | | | | (psig) | (psig) |
| T2AN2MST | 1/8 | 5/16 – 24 | 5/16 | 1.06 | .06 | .06 | .45 | .30 | 7/16 | - | 6,000 |
| T3AN3MST | 3/16 | 3/8 – 24 | 3/8 | 1.10 | .13 | .13 | .48 | .30 | 1/2 | - | 6,000 |
| T4AN4MST | 1/4 | 7/16 – 20 | 7/16 | 1.23 | .17 | .17 | .55 | .36 | 9/16 | 5,610 | 6,000 |
| T4AN5MST | 1/4 | 7/16 – 20 | 1/2 | 1.23 | .17 | .23 | .55 | .36 | 5/8 | - | 6,000 |
| T4AN6MST | 1/4 | 7/16 – 20 | 9/16 | 1.29 | .17 | .30 | .55 | .39 | 11/16 | - | 6,000 |
| T4AN8MST | 1/4 | 7/16 – 20 | 3/4 | 1.37 | .17 | .39 | .55 | .44 | 7/8 | - | 6,000 |
| T5AN5MST | 5/16 | 1/2 - 20 | 1/2 | 1.23 | .23 | .23 | .55 | .36 | 5/8 | - | 6,000 |
| T6AN6MST | 3/8 | 9/16 – 18 | 9/16 | 1.30 | .30 | .30 | .56 | .36 | 11/16 | 5,610 | 6,000 |
| T6AN4MST | 3/8 | 9/16 - 18 | 7/16 | 1.29 | .30 | .17 | .56 | .36 | 5/8 | 5,610 | 6,000 |
| T6AN8MST | 3/8 | 9/16 – 18 | 3/4 | 1.38 | .30 | .39 | .56 | .44 | 7/8 | - | 6,000 |
| T6AN10MST | 3/8 | 9/16 – 18 | 7/8 | 1.50 | .30 | .48 | .56 | .50 | 1 | - | 6,000 |
| T8AN8MST | 1/2 | 3/4 - 16 | 3/4 | 1.48 | .39 | .39 | .66 | .44 | 7/8 | 5,610 | 6,000 |
| T8AN6MST | 1/2 | 3/4 - 16 | 9/16 | 1.38 | .39 | .30 | .66 | .39 | 13/16 | 5,610 | 6,000 |
| T8AN10MST | 1/2 | 3/4 - 16 | 7/8 | 1.60 | .39 | .48 | .66 | .50 | 1 | - | 6,000 |
| T8AN12MST | 1/2 | 3/4 - 16 | 1-1/16 | 1.76 | .39 | .61 | .66 | .59 | 1-1/4 | - | 6,000 |
| T10AN8MST | 5/8 | 7/8 – 14 | 3/4 | 1.60 | .48 | .39 | .76 | .44 | 15/16 | - | 6,000 |
| T10AN10MST | 5/8 | 7/8 – 14 | 7/8 | 1.70 | .48 | .48 | .76 | .50 | 4 | - | 6,000 |
| T10AN12MST | 5/8 | 7/8 – 14 | 1-1/16 | 1.86 | .48 | .61 | .76 | .56 | 1-1/4 | - | 6,000 |
| T12AN8MST | 3/4 | 1-1/16 – 12 | 3/4 | 1.76 | .61 | .39 | .86 | .44 | 1-1/8 | - | 6,000 |
| T12AN10MST | 3/4 | 1-1/16 – 12 | 7/8 | 1.86 | .61 | .48 | .86 | .50 | 1-1/8 | - | 6,000 |
| T12AN12MST | 3/4 | 1-1/16 – 12 | 1-1/16 | 1.97 | .61 | .61 | .86 | .56 | 1-1/4 | 5,610 | 6,000 |
| T12AN14MST | 3/4 | 1-1/16 – 12 | 1-3/16 | 1.96 | .61 | .61 | .86 | .59 | 1-3/8 | - | 5,400 |
| T12AN16MST | 3/4 | 1-1/16 – 12 | 1-5/16 | 1.99 | .61 | .84 | .86 | .59 | 1-1/2 | - | 5,400 |
| T16AN16MST | 1 | 1-5/16 – 12 | 1-5/16 | 2.04 | .84 | .84 | .91 | .59 | 1-1/2 | 5,049 | 5,400 |
| T16AN12MST | 1 | 1-5/16 – 12 | 1-1/16 | 1.99 | .84 | .61 | .91 | .59 | 1-3/8 | 5,049 | 5,400 |
| T20AN20MST | | 1-5/8 – 12 | 1-5/8 | 2.17 | 1.08 | 1.08 | .96 | .59 | 1-7/8 | - | 3,600 |
| T24AN24MST | | 1-7/8 – 12 | 1-7/8 | 2.37 | 1.31 | 1.31 | 1.00 | .59 | 2-1/8 | - | 2,400 |
| T32AN32MST | 2 | 2-1/2 - 12 | 2-1/2 | 2.78 | 1.78 | 1.78 | 1.03 | .59 | 2-3/4 | - | 1,800 |



*requires bonded washer

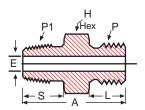




| Female NPT x Male ISO Straight (FC-MRS) | | | | | | | | | | |
|---|--------------------|---------------|------|----------------------|-----|-------|-------|--|--|--|
| TruFit Part # | P Male ISO | P1 Female | | Dimensions (in.) V P | | | | | | |
| | Straight Thread | NPT Thread | Α | | | | | | | |
| T2FC2MRS | 1/8 | 1/8 | 1.33 | .23 | .45 | 3/4 | 6,500 | | | |
| T4FC4MRS | 1/4 | 1/4 | 1.33 | .23 | .45 | 3/4 | 6,000 | | | |
| T6FC6MRS | 3/8 | 3/8 | 1.33 | .30 | .45 | 7/8 | 6,000 | | | |
| T8FC8MRS | 1/2 | 1/2 | 1.70 | .48 | .56 | 1-1/8 | 6,000 | | | |
| T12FC12MRS | 3/4 | 3/4 | 1.82 | .66 | .56 | 1-3/8 | 4,200 | | | |
| T16FC16MRS | 1 | 1 | 1.93 | .84 | .73 | 1-3/4 | 3,600 | | | |

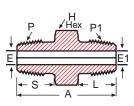
| Female NPT x Male ISO Tapered (FC-MRT) | | | | | | | | | |
|--|---------------|-------------------|------|---------|---------|-----------------|------------------|-------|--|
| TruFit | Р | P1 | | Dimensi | ons (in | Working | | | |
| Part # | Female | Male ISO | _ | | | н | | ssure | |
| | NPT Thread | Tapered Thread | A | E | S | Brass (psig) | 316 SS (psig) | | |
| T2FC2MRT | 1/8 | 1/8 | 1.04 | .19 | .38 | 5/8 | 3,250 | 6,550 | |
| T4FC4MRT | 1/4 | 1/4 | 1.39 | .28 | .56 | 3/4 | 3,350 | 6,650 | |
| T6FC6MRT | 3/8 | 3/8 | 1.44 | .41 | .56 | 7/8 | 2,650 | 5,350 | |
| T8FC8MRT | 1/2 | 1/2 | 1.69 | .53 | .75 | 1-1/8 | 2,450 | 4,950 | |
| T12FC12MRT | 3/4 | 3/4 | 1.93 | .72 | .75 | 1-3/8 | 2,350 | 4,650 | |
| T16FC16MRT | 1 | 1 | 2.37 | 0.94 | .94 | 1-5/8 | 2,250 | 4,450 | |

| remaie 150 Straight x Maie NPT (FRS-MC) | | | | | | | | | | |
|---|---------------------------|---------------|------|---------------------|-----|-------|------------------|--|--|--|
| TruFit Part # | P Female | P1 Male | | Working Pressure | | | | | | |
| | ISO Straight Thread | NPT Thread | A | Е | S | I | 316 SS (psig) | | | |
| T4FRS4MC | 1/4 | 1/4 | 1.42 | .28 | .57 | 3/4 | 7,200 | | | |
| T6FRS6MC | 3/8 | 3/8 | 1.47 | .41 | .57 | 7/8 | 7,200 | | | |
| T8FRS8MC | 1/2 | 1/2 | 1.89 | .53 | .76 | 1-1/8 | 6,000 | | | |

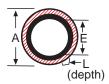


| | Male NPT x Male ISO Straight (MC-MRS) | | | | | | | | | | | |
|---|---------------------------------------|----------------------------------|-------------------------|---------------|------------------|-----|-----|-------|--------|--|--|--|
| | TruFit | P Famala ISO | P1 | | Dimensions (in.) | | | | | | | |
| | Part # | Female ISO Straight Thread | Female NPT Thread | A E S L H 316 | | | | | | | | |
| Ī | T2MC2MRS | 1/8 | 1/8 | 1.07 | .16 | .38 | .28 | 9/16 | 11,400 | | | |
| 1 | Γ4MC4MRS | 1/4 | 1/4 | 1.37 | .23 | .57 | .45 | 3/4 | 6,000 | | | |
| ľ | T6MC6MRS | 3/8 | 3/8 | 1.37 | .30 | .57 | .45 | 7/8 | 6,000 | | | |
| - | T8MC8MRS | 1/2 | 1/2 | 1.74 | .48 | .76 | .56 | 1-1/8 | 6,000 | | | |
| 1 | T12MC12MRS | 3/4 | 3/4 | 1.89 | .66 | .73 | .56 | 1-3/8 | 4,800 | | | |
| | T16MC16MRS | 1 | 1 | 2.27 | .84 | .95 | .73 | 1-3/4 | 3,600 | | | |

^{*}requires bonded washer



| Male NPT x Male ISO Tapered (MC-MRT) | | | | | | | | | | | |
|--------------------------------------|---------------|-------------------|------|-------------------|---------------------|-----|-----|-------|-------|--------|--|
| TruFit Part # | P Male | P1 Male ISO | | | Working Pressure | | | | | | |
| | NPT Thread | Tapered Thread | Α | A E E1 S L H Bras | | | | | | | |
| T2MC2MRT | 1/8 | 1/8 | 1.06 | .19 | .19 | .38 | .38 | 7/16 | 5,050 | 10,050 | |
| T4MC4MRT | 1/4 | 1/4 | 1.45 | .28 | .19 | .56 | .56 | 5/8 | 4,050 | 8,050 | |
| T6MC6MRT | 3/8 | 3/8 | 1.45 | .41 | .41 | .56 | .56 | 3/4 | 3,950 | 7,850 | |
| T8MC8MRT | 1/2 | 1/2 | 1.89 | .53 | .53 | .75 | .75 | 7/8 | 3,850 | 7,750 | |
| T12MC12MRT | 3/4 | 3/4 | 1.96 | .72 | .28 | .75 | .75 | 1-1/8 | 3,650 | 7,350 | |
| T16MC16MRT | 1 | 1 | 2.34 | .94 | .94 | .94 | .94 | 1-3/8 | 2,650 | 5,350 | |



| Bonded Washer (DW-BSPP) | | | | | | | | | |
|-------------------------|------------------|------|------|--|--|--|--|--|--|
| Part # | Dimensions (in.) | | | | | | | | |
| | A E L | | | | | | | | |
| 4DW-BSPP | 0.81 | 0.54 | 0.08 | | | | | | |
| 6DW-BSPP | 0.94 | 0.68 | 0.08 | | | | | | |
| 8DW-BSPP | 1.13 | 0.85 | 0.10 | | | | | | |
| 12DW-BSPP | 1.38 | 1.06 | 0.10 | | | | | | |
| 16DW-BSPP | 1.69 | 1.33 | 0.10 | | | | | | |

^{*} Bonded washer comes standard as a steel washer with Buna inner ring. Also available with Viton® ring or as a stainless steel washer with Viton® ring. Add -V for Viton® or -SS-V for stainless steel/ Viton® when ordering.

Safety Guide

Safety

To help ensure the safe and reliable performance of TruFit products, complete system design must be considered prior to installation of the pipe, tubing and fittings.

Determining the design compatibility of materials, media, flows, temperatures and pressures; as well as implementing proper installation, operation and maintenance of the system are the responsibilities of the systems' owners, designers and users.

SSP Safety Reminders

All SSP products are designed and manufactured with safety in mind. The following is a limited list of general safety tips as reminders of good safety practices:

- Do not install, tighten or loosen a fitting or adapter while the system is under pressure.
- Do not loosen a fitting, nut or plug to relieve or bleed system pressure.
- Always use a back-up wrench to hold the pipe or pipe fitting body steady when tightening or loosening.
- Use proper thread lubricants and sealants on tapered pipe threads.

- Tube fitting end connection and tubing material should be similar (stainless steel fittings on stainless steel tubing, brass fittings on copper tubing, etc.) with the tubing material being fully annealed.
- Do not weld tube fittings that are assembled. Prior to welding, remove all components such as nut, ferrule(s), o-ring, and seals. Protect the sealing and thread areas of the tube fitting by covering with a plug or another nut.

TruFit® Fittings LIFETIME LIMITED WARRANTY

SSP guarantees all TruFit fittings to be free from defects in materials and workmanship. Additionally, SSP guarantees TruFit fitting product performance to the published catalog specifications when properly installed according to the catalog selection and installation instructions. To initiate a warranty claim, suspected defective product must be returned to SSP with the nature of potential defect documented for factory evaluation. Any product with a determined defect in material or workmanship will be replaced with equivalent product at no charge.

This warranty comprises the sole and entire warranty pertaining to items provided hereunder. There is no other warranty, guarantee, express or implied representation of any kind whatsoever. All other warranties including, but not limited to, merchantability and fitness for purpose, whether express, implied, or arising by operation of law, course of dealing, or trade usage are hereby disclaimed. There are no warranties which extend beyond the description on the face hereof; and this warranty does not apply in cases of abuse, mishandling, or normal use depreciation. In no event, whether alleged to arise from breach of contract, express or implied warranty, by operation of law, negligence or otherwise, will SSP be liable for any incidental, consequential, lost property, or other special damages of any kind whatsoever. The exclusive, only remedy under this warranty is the replacement of determined defective parts as set forth above.

Also from SSP Instrumentation

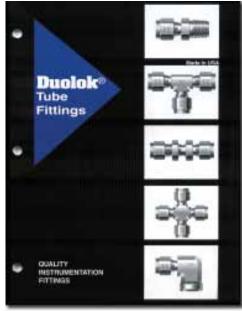
In addition to Duolok Tube Fittings, SSP Instrumentation also offers Unilok and Griplok Instrumentation Tube Fittings; TruFit Pipe, Weld, Hose and Adapter Fittings; and FloLok Valves. Contact your SSP Instrumentation Distributor for more information.



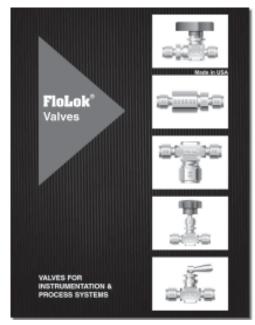
Unilok® Tube Fittings



Griplok® Tube Fittings



Duolok® Tube Fittings



FloLok® Valves

STOCKED AND SUPPORTED LOCALLY BY:



8250 Boyle Parkway Twinsburg, Ohio 44087-2200 Telephone: (330) 425-3960 Telefax: (330) 425-8116

www.sspfittings.com





100% Made in the USA