

6 Series Pipe Fittings



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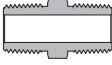
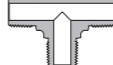







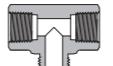

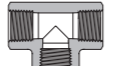

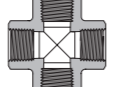

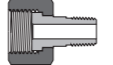

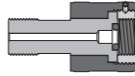


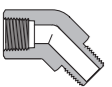



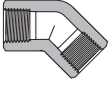
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FK-IC-GF-02-EN-140820

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Valves and Fittings

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Contents

| | | | |
|---|----|---|----|
| Hex Nipples - PHN  | 02 | Male Tees - PMT  | 22 |
| Hex Long Nipples - PLN  | 05 | Female Branch Tees - PTB  | 23 |
| Close Nipples - PCN  | 07 | Female Run Tees - PTR  | 23 |
| Special Pipe Nipples - PSN  | 07 | Male Street Tees - PST  | 24 |
| Adapters - PA  | 08 | Male Branch Tees - PBT  | 25 |
| Reducing Bushings - PRB  | 11 | Female Tees - PT  | 26 |
| Hex Couplings - PCG  | 14 | Female Crosses - PCR  | 27 |
| Union Ball Joints - UBJ  | 15 | Pipe to Pipe Unions - PUP  | 27 |
| Male Elbows - PME  | 15 | Hand Tight Adapter Fittings - HF  | 28 |
| Street Elbows - PSE  | 16 | Pipe Plugs - PP  | 29 |
| 45° Street Elbows - PSV  | 18 | Hollow Hex Plugs - PI  | 30 |
| Female Elbows - PE  | 20 | Pipe Caps - PC  | 31 |
| 45° Female Elbows - PVE  | 21 | Part Number Description | 32 |

Features

- ⦿ The hardened threads with smooth surface finishing avoid galling and help to extend the fitting service life.
- ⦿ Radius junction design with elbows provides smooth flow path.
- ⦿ Every fitting is stamped with size, material, and heat code.

Technical Data

- ⦿ Sizes range from 1/16 to 2
- ⦿ Thread Specifications:

| Thread Type | Specification |
|--------------|---------------------------|
| NPT | ASME B1.20.1, SAE AS71051 |
| ISO Tapered | ISO 7-1, BS 21, JIS B0203 |
| ISO Parallel | ISO 228, JIS B0202 |
| SAE/MS | ASME B1.1, SAE J475 |
| Metric | ISO 261 |

- ⦿ Working Temperature:

For the working temperatures of FITOK pipe fittings, refer to the FITOK 6 series Tube Fittings catalog.

- ⦿ Working Pressure:

- Catalog working pressures shown are based on ANSI/ASME B31.3 at ambient temperature, to determine working pressures in accordance with ANSI/ASME B31.1 multiply catalog working pressures shown by the factor from the below table.

| Material | Factor |
|-----------------|--------|
| Stainless steel | 0.94 |
| Carbon steel | 0.85 |
| Brass | 1.0 |

- Use the allowable working pressure at ambient temperature to multiply the elevated temperature factors to get the working pressure at elevated temperature. To locate the elevated temperature factor, please refer to the related information of FITOK Tubes and Pipes in page D-14.
- To get the installation torque for NPT thread and ISO tapered thread, refer to FITOK 6 Series Tube Fittings in page A-6.

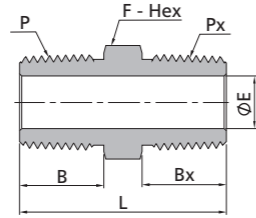
Materials

| Material | Bar Stock | Forging | Designator |
|---------------------|--|--|------------|
| 316 stainless steel | ASTM A276, ASME SA479, EN 1.4401 | ASTM A182, ASME SA182, EN 1.4401 | SS |
| 304 stainless steel | ASTM A276, ASME SA479, EN 1.4301 | ASTM A182, ASME SA182, EN 1.4301 | S4 |
| Alloy 400 | ASTM B164, ASME SB164 | ASTM B564, ASME SB564 | M |
| Alloy 600 | ASTM B166, ASME SB166 | ASTM B564, ASME SB564 | INC |
| Alloy C-276 | ASTM B574 | ASTM B564, | HC |
| Brass | ASME B16/ASTM B453 | ASTM B283 | B |
| Carbon steel | ASTM A108 | ASTM A105 | CS |

Cautions:

- ⦿ Do not loosen or tighten fittings when system is pressurized.
- ⦿ Always use proper thread sealants on tapered pipe threads.
- ⦿ Confirm the sealing type when choosing the straight threads, make sure the construction of the matching threads comply with the sealing type.

Hex Nipples

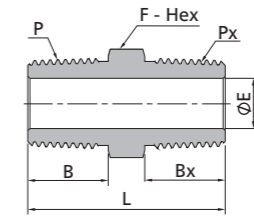


| Male NPT Threads | | | | | | | | | |
|------------------|-------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Px-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) | |
| | | | L | F | B | Bx | E | 316 SS, Steel | Brass |
| 1/16 | 1/16 | -PHN-NS1 | 1.01 (25.6) | 0.31 (7.9) | 0.38 (9.7) | 0.38 (9.7) | 0.12 (3.0) | 11000 (757) | 5500 (378) |
| 1/8 | 1/16 | -PHN-NS2-NS1 | 1.01 (25.6) | 0.44 (11.1) | 0.38 (9.7) | 0.38 (9.7) | 0.12 (3.0) | 11000 (757) | 5500 (378) |
| 1/8 | 1/8 | -PHN-NS2 | 1.01 (25.6) | 0.44 (11.1) | 0.38 (9.7) | 0.38 (9.7) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/4 | 1/16 | -PHN-NS4-NS1 | 1.22 (31.0) | 0.56 (14.3) | 0.56 (14.2) | 0.38 (9.7) | 0.12 (3.0) | 11000 (757) | 5500 (378) |
| 1/4 | 1/8 | -PHN-NS4-NS2 | 1.22 (31.0) | 0.56 (14.3) | 0.56 (14.2) | 0.38 (9.7) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/4 | 1/4 | -PHN-NS4 | 1.40 (35.6) | 0.56 (14.3) | 0.56 (14.2) | 0.56 (14.2) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/8 | 1/16 | -PHN-NS6-NS1 | 1.25 (31.8) | 0.69 (17.5) | 0.56 (14.2) | 0.38 (9.7) | 0.12 (3.0) | 11000 (757) | 5500 (378) |
| 3/8 | 1/8 | -PHN-NS6-NS2 | 1.25 (31.8) | 0.69 (17.5) | 0.56 (14.2) | 0.38 (9.7) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 3/8 | 1/4 | -PHN-NS6-NS4 | 1.43 (36.3) | 0.69 (17.5) | 0.56 (14.2) | 0.56 (14.2) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/8 | 3/8 | -PHN-NS6 | 1.43 (36.3) | 0.69 (17.5) | 0.56 (14.2) | 0.56 (14.2) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 1/2 | 1/8 | -PHN-NS8-NS2 | 1.47 (37.3) | 0.87 (22.2) | 0.75 (19.1) | 0.38 (9.7) | 0.19 (4.8) | 7700 (530) | 3800 (261) |
| 1/2 | 1/4 | -PHN-NS8-NS4 | 1.65 (41.9) | 0.87 (22.2) | 0.75 (19.1) | 0.56 (14.2) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/2 | 3/8 | -PHN-NS8-NS6 | 1.65 (41.9) | 0.87 (22.2) | 0.75 (19.1) | 0.56 (14.2) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 1/2 | 1/2 | -PHN-NS8 | 1.84 (46.7) | 0.87 (22.2) | 0.75 (19.1) | 0.75 (19.1) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 3/4 | 1/8 | -PHN-NS12-NS2 | 1.59 (40.4) | 1.06 (27.0) | 0.75 (19.1) | 0.38 (9.7) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 3/4 | 1/4 | -PHN-NS12-NS4 | 1.65 (41.9) | 1.06 (27.0) | 0.75 (19.1) | 0.56 (14.2) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/4 | 3/8 | -PHN-NS12-NS6 | 1.78 (45.2) | 1.06 (27.0) | 0.75 (19.1) | 0.56 (14.2) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/4 | 1/2 | -PHN-NS12-NS8 | 1.84 (46.7) | 1.06 (27.0) | 0.75 (19.1) | 0.75 (19.1) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 3/4 | 3/4 | -PHN-NS12 | 1.84 (46.7) | 1.06 (27.0) | 0.75 (19.1) | 0.75 (19.1) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 1 | 1/8 | -PHN-NS16-NS2 | 1.78 (45.2) | 1.37 (34.9) | 0.94 (23.9) | 0.38 (9.7) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1 | 1/4 | -PHN-NS16-NS4 | 1.94 (49.3) | 1.37 (34.9) | 0.94 (23.9) | 0.56 (14.2) | 0.28 (7.1) | 5300 (365) | 2600 (179) |
| 1 | 3/8 | -PHN-NS16-NS6 | 1.97 (50.0) | 1.37 (34.9) | 0.94 (23.9) | 0.56 (14.2) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 1 | 1/2 | -PHN-NS16-NS8 | 2.13 (54.1) | 1.37 (34.9) | 0.94 (23.9) | 0.75 (19.1) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 1 | 3/4 | -PHN-NS16-NS12 | 2.13 (54.1) | 1.37 (34.9) | 0.94 (23.9) | 0.75 (19.1) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 1 | 1 | -PHN-NS16 | 2.32 (58.9) | 1.37 (34.9) | 0.94 (23.9) | 0.94 (23.9) | 0.88 (22.4) | 5300 (365) | 2600 (179) |
| 1 1/4 | 1 | -PHN-NS20-NS16 | 2.45 (62.2) | 1.75 (44.5) | 0.94 (23.9) | 0.94 (23.9) | 0.88 (22.4) | 5300 (365) | 2600 (179) |
| 1 1/4 | 1 1/4 | -PHN-NS20 | 2.48 (62.9) | 1.75 (44.5) | 0.94 (23.9) | 0.94 (23.9) | 1.13 (28.6) | 6000 (410) | 3000 (200) |
| 1 1/2 | 1 1/2 | -PHN-NS24 | 2.61 (66.3) | 2.00 (50.8) | 1.03 (26.2) | 1.03 (26.2) | 1.34 (34.0) | 5000 (344) | 2500 (172) |
| 2 | 2 | -PHN-NS32 | 3.06 (77.7) | 2.75 (69.9) | 1.03 (26.2) | 1.03 (26.2) | 1.77 (45.0) | 3900 (268) | 1900 (130) |

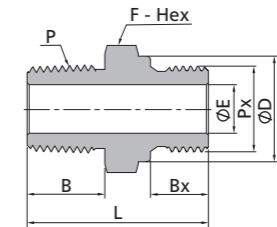
| Heavy-Wall Male NPT Threads | | | | | | | | | |
|-----------------------------|-------------|-----------------------|---------------------|-------------|-------------|-------------|------------|-----------------------------|-------|
| P-NPT Size | Px-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) | |
| | | | L | F | B | Bx | E | 316 SS, Steel | Brass |
| 1/4 | 1/4 | -PHN-NS4-10K | 1.40 (35.6) | 0.56 (14.3) | 0.56 (14.2) | 0.56 (14.2) | 0.23 (5.8) | 10000 (690) | / |
| 1/2 | 1/4 | -PHN-NS8-NS4-10K | 1.65 (41.9) | 0.87 (22.2) | 0.75 (19.1) | 0.56 (14.2) | 0.23 (5.8) | 10000 (690) | / |
| 1/2 | 1/2 | -PHN-NS8-10K | 1.84 (46.7) | 0.87 (22.2) | 0.75 (19.1) | 0.75 (19.1) | 0.39 (9.9) | 10000 (690) | / |

| Male ISO Tapered Threads | | | | | | | | | |
|--------------------------|------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Px-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) | |
| | | | L | F | B | Bx | E | 316 SS, Steel | Brass |
| 1/8 | 1/8 | -PHN-RT2 | 1.01 (25.6) | 0.44 (11.1) | 0.38 (9.7) | 0.38 (9.7) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/4 | 1/4 | -PHN-RT4 | 1.40 (35.6) | 0.56 (14.3) | 0.56 (14.2) | 0.56 (14.2) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/8 | 3/8 | -PHN-RT6 | 1.43 (36.3) | 0.69 (17.5) | 0.56 (14.2) | 0.56 (14.2) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 1/2 | 1/2 | -PHN-RT8 | 1.84 (46.7) | 0.87 (22.2) | 0.75 (19.1) | 0.75 (19.1) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 3/4 | 3/4 | -PHN-RT12 | 1.84 (46.7) | 1.06 (27.0) | 0.75 (19.1) | 0.75 (19.1) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 1 | 1 | -PHN-RT16 | 2.32 (58.9) | 1.37 (34.9) | 0.94 (23.9) | 0.94 (23.9) | 0.88 (22.4) | 5300 (365) | 2600 (179) |

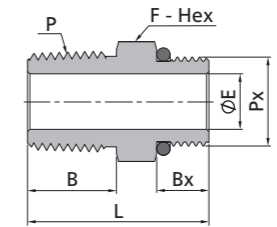
Hex Nipples



| Male NPT Threads | | | | | | | | | | Male ISO Tapered Threads | |
|------------------|------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|------------|--------------------------|--|
| P-NPT Size | Px-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) | | | |
| | | | L | F | B | Bx | E | 316 SS, Steel | Brass | | |
| 1/8 | 1/8 | -PHN-NS2-RT2 | 1.01 (25.6) | 0.44 (11.1) | 0.38 (9.7) | 0.38 (9.7) | 0.19 (4.8) | 10000 (690) | 5000 (344) | | |
| 1/4 | 1/4 | -PHN-NS4-RT4 | 1.40 (35.6) | 0.56 (14.3) | 0.56 (14.2) | 0.56 (14.2) | 0.28 (7.1) | 8000 (551) | 4000 (275) | | |
| 3/8 | 3/8 | -PHN-NS6-RT6 | 1.43 (36.3) | 0.69 (17.5) | 0.56 (14.2) | 0.56 (14.2) | 0.38 (9.7) | 7800 (537) | 3900 (268) | | |
| 1/2 | 1/2 | -PHN-NS8-RT8 | 1.84 (46.7) | 0.87 (22.2) | 0.75 (19.1) | 0.75 (19.1) | 0.47 (11.9) | 7700 (530) | 3800 (261) | | |
| 3/4 | 3/4 | -PHN-NS12-RT12 | 1.84 (46.7) | 1.06 (27.0) | 0.75 (19.1) | 0.75 (19.1) | 0.62 (15.7) | 7300 (502) | 3600 (248) | | |
| 1 | 1 | -PHN-NS16-RT16 | 2.32 (58.9) | 1.37 (34.9) | 0.94 (23.9) | 0.94 (23.9) | 0.88 (22.4) | 5300 (365) | 2600 (179) | | |

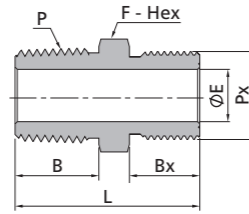


| Male NPT Threads | | | | | | | | | | Male ISO parallel Threads | |
|------------------|------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|---------------|---------------------------|--|
| P-NPT Size | Px-RS Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) | | | |
| | | | L | F | B | Bx | E | D | 316 SS, Steel | Brass | |
| 1/8 | 1/8 | -PHN-NS2-RS2 | 1.09 (27.7) | 0.56 (14.3) | 0.38 (9.7) | 0.28 (7.1) | 0.16 (4.1) | 0.54 (13.7) | 11400 (785) | 5700 (392) | |
| 1/4 | 1/4 | -PHN-NS4-RS4 | 1.45 (36.8) | 0.75 (19.1) | 0.56 (14.2) | 0.44 (11.2) | 0.23 (5.8) | 0.71 (18.0) | 10300 (709) | 5100 (351) | |
| 3/8 | 3/8 | -PHN-NS6-RS6 | 1.48 (37.6) | 0.87 (22.2) | 0.56 (14.2) | 0.44 (11.2) | 0.31 (7.9) | 0.85 (21.6) | 10300 (709) | 5100 (351) | |
| 1/2 | 1/2 | -PHN-NS8-RS8 | 1.75 (44.4) | 1.06 (27.0) | 0.75 (19.1) | 0.56 (14.2) | 0.47 (11.9) | 1.02 (25.9) | 7600 (523) | 3800 (261) | |
| 3/4 | 3/4 | -PHN-NS12-RS12 | 1.93 (49.0) | 1.31 (33.3) | 0.75 (19.1) | 0.62 (15.7) | 0.62 (15.7) | 1.26 (32.0) | 7300 (502) | 3600 (248) | |
| 1 | 1 | -PHN-NS16-RS16 | 2.23 (56.6) | 1.63 (41.3) | 0.94 (23.9) | 0.72 (18.3) | 0.78 (19.8) | 1.53 (38.9) | 7400 (509) | 3700 (254) | |



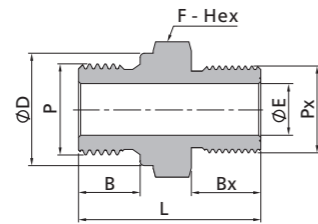
| Male NPT Threads | | | | | | | | | | Male SAE/MS Straight Threads | |
|------------------|-----------------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|-------|------------------------------|--|
| P-NPT Size | Px-SAE/MS Thread Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) | | | |
| | | | L | F | B | Bx | E | 316 SS, Steel | Brass | | |
| 1/4 | 7/16-20 | -PHN-NS4-ST7 | 1.20 (30.5) | 0.56 (14.3) | 0.56 (14.2) | 0.36 (9.1) | 0.20 (5.1) | 4500 (310) | | | |
| 3/8 | 9/16-18 | -PHN-NS6-ST9 | 1.26 (32.0) | 0.69 (17.5) | 0.56 (14.2) | 0.36 (9.1) | 0.28 (7.1) | 4500 (310) | | | |
| 1/2 | 3/4-16 | -PHN-NS8-ST12 | 1.53 (38.9) | 0.87 (22.2) | 0.75 (19.1) | 0.44 (11.2) | 0.42 (10.7) | 4500 (310) | | | |
| 3/4 | 1 1/16-12 | -PHN-NS12-ST17 | 1.75 (44.4) | 1.25 (31.8) | 0.75 (19.1) | 0.59 (15.0) | 0.62 (15.7) | 3600 (248) | | | |
| 1 | 1 5/16-12 | -PHN-NS16-ST21 | 2.00 (50.8) | 1.50 (38.1) | 0.94 (23.9) | 0.59 (15.0) | 0.88 (22.4) | 2900 (199) | | | |

Hex Nipples



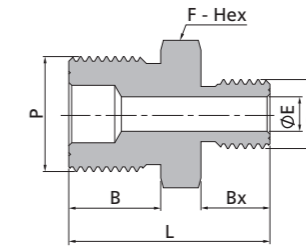
| Male NPT Threads | | | Male Metric Threads | | | | | |
|------------------|----------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|--|
| P-NPT Size | Px-Metric Size | Basic Ordering Number | Dimension, mm (in.) | | | | | Working Pressure psig (bar) 316 SS, Steel |
| | | | L | F | B | Bx | E | |
| 1/8 | M20 x 1.5 | -PHN-NS2-MS20 | 32.7 (1.29) | 22.2 (0.87) | 9.7 (0.38) | 16.0 (0.63) | 5.0 (0.20) | 7700 (530) |
| 1/4 | M8 x 1 | -PHN-NS4-MS8 | 29.0 (1.14) | 14.3 (0.56) | 14.2 (0.56) | 9.0 (0.35) | 3.2 (0.13) | 8000 (551) |
| 1/4 | M14 x 1.5 | -PHN-NS4-MS14 | 34.2 (1.35) | 15.9 (0.63) | 14.2 (0.56) | 13.0 (0.51) | 7.0 (0.28) | 8000 (551) |
| 1/4 | M16 x 1.5 | -PHN-NS4-MS16 | 35.2 (1.39) | 17.5 (0.69) | 14.2 (0.56) | 14.0 (0.55) | 7.1 (0.28) | 7800 (537) |
| 1/4 | M20 x 1.5 | -PHN-NS4-MS20 | 37.2 (1.46) | 22.2 (0.87) | 14.2 (0.56) | 16.0 (0.63) | 7.1 (0.28) | 7700 (530) |
| 3/8 | M14 x 1.5 | -PHN-NS6-MS14 | 34.2 (1.35) | 17.5 (0.69) | 14.2 (0.56) | 13.0 (0.51) | 7.0 (0.28) | 7800 (537) |
| 3/8 | M20 x 1.5 | -PHN-NS6-MS20 | 37.2 (1.46) | 22.2 (0.87) | 14.2 (0.56) | 16.0 (0.63) | 9.5 (0.37) | 7700 (530) |
| 3/8 | M24 x 1.5 | -PHN-NS6-MS24 | 38.2 (1.50) | 25.4 (1.00) | 14.2 (0.56) | 17.0 (0.67) | 9.5 (0.37) | 7400 (509) |
| 1/2 | M14 x 1.5 | -PHN-NS8-MS14 | 39.1 (1.54) | 22.2 (0.87) | 19.1 (0.75) | 13.0 (0.51) | 7.2 (0.28) | 7700 (530) |
| 1/2 | M20 x 1.5 | -PHN-NS8-MS20 | 42.0 (1.65) | 22.2 (0.87) | 19.1 (0.75) | 16.0 (0.63) | 10.0 (0.39) | 7700 (530) |
| 1/2 | M24 x 1.5 | -PHN-NS8-MS24 | 43.5 (1.71) | 25.4 (1.00) | 19.1 (0.75) | 17.0 (0.67) | 11.9 (0.47) | 7400 (509) |
| 3/4 | M20 x 1.5 | -PHN-NS12-MS20 | 42.1 (1.66) | 27.0 (1.06) | 19.1 (0.75) | 16.0 (0.63) | 10.8 (0.43) | 7300 (502) |
| 3/4 | M27 x 2 | -PHN-NS12-MS27 | 46.7 (1.84) | 31.8 (1.25) | 19.1 (0.75) | 18.0 (0.71) | 15.8 (0.62) | 6100 (420) |
| 1 | M30 x 2 | -PHN-NS16-MS30 | 56.3 (2.22) | 34.9 (1.37) | 23.9 (0.94) | 20.0 (0.79) | 19.4 (0.76) | 6100 (420) |

| Male ISO Tapered Threads | | | Male Metric Threads | | | | | |
|--------------------------|----------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|--|
| P-RT Size | Px-Metric Size | Basic Ordering Number | Dimension, mm (in.) | | | | | Working Pressure psig (bar) 316 SS, Steel |
| | | | L | F | B | Bx | E | |
| 1/8 | M20 x 1.5 | -PHN-RT2-MS20 | 32.7 (1.29) | 22.2 (0.87) | 9.7 (0.38) | 16.0 (0.63) | 5.0 (0.20) | 7700 (530) |
| 1/4 | M12 x 1.5 | -PHN-RT4-MS12 | 33.4 (1.31) | 14.3 (0.56) | 14.2 (0.56) | 12.0 (0.47) | 6.0 (0.24) | 8000 (551) |
| 1/4 | M20 x 1.5 | -PHN-RT4-MS20 | 37.2 (1.46) | 22.2 (0.87) | 14.2 (0.56) | 16.0 (0.63) | 7.0 (0.28) | 7700 (530) |
| 3/8 | M20 x 1.5 | -PHN-RT6-MS20 | 37.2 (1.46) | 22.2 (0.87) | 14.2 (0.56) | 16.0 (0.63) | 9.5 (0.37) | 7700 (530) |
| 1/2 | M20 x 1.5 | -PHN-RT8-MS20 | 42.0 (1.65) | 22.2 (0.87) | 19.1 (0.75) | 16.0 (0.63) | 10.0 (0.39) | 7700 (530) |



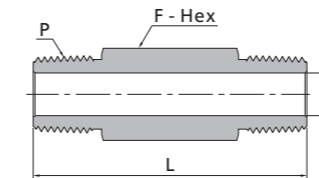
| Male ISO Parallel Threads | | | Male Metric Threads | | | | | | |
|---------------------------|----------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|--|
| P-RS Size | Px-Metric Size | Basic Ordering Number | Dimension, mm (in.) | | | | | | Working Pressure psig (bar) 316 SS, Steel |
| | | | L | F | B | Bx | E | D | |
| 1/8 | M20 x 1.5 | -PHN-RS2-MS20 | 32.6 (1.28) | 22.2 (0.87) | 7.1 (0.28) | 16.0 (0.63) | 4.0 (0.16) | 13.7 (0.54) | 7700 (530) |
| 1/4 | M18 x 1.5 | -PHN-RS4-MS18 | 34.2 (1.35) | 20.6 (0.81) | 11.2 (0.44) | 15.0 (0.59) | 5.9 (0.23) | 18.0 (0.71) | 7800 (537) |
| 1/4 | M20 x 1.5 | -PHN-RS4-MS20 | 37.2 (1.46) | 22.2 (0.87) | 11.2 (0.44) | 16.0 (0.63) | 5.9 (0.23) | 18.0 (0.71) | 7700 (530) |
| 3/8 | M20 x 1.5 | -PHN-RS6-MS20 | 37.2 (1.46) | 22.2 (0.87) | 11.2 (0.44) | 16.0 (0.63) | 7.9 (0.31) | 21.6 (0.85) | 7700 (530) |
| 1/2 | M20 x 1.5 | -PHN-RS8-MS20 | 40.2 (1.58) | 27.0 (1.06) | 14.0 (0.55) | 16.0 (0.63) | 11.9 (0.47) | 25.9 (1.02) | 7700 (530) |

Hex Nipples



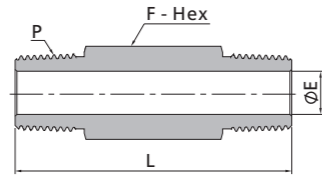
| Male Metric Threads | | | | | | | | | |
|---------------------|----------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|--|--|
| P-Metric Size | Px-Metric Size | Basic Ordering Number | Dimension, mm (in.) | | | | | Working Pressure psig (bar) 316 SS, Steel | |
| | | | L | F | B | Bx | E | | |
| M20 x 1.5 | M10 x 1 | -PHN-MS20-MS10 | 34.0 (1.34) | 22.0 (0.87) | 16.0 (0.63) | 11.0 (0.43) | 4.0 (0.16) | 10000 (690) | |
| M20 x 1.5 | M12 x 1.5 | -PHN-MS20-MS12 | 35.0 (1.38) | 22.0 (0.87) | 16.0 (0.63) | 12.0 (0.47) | 6.0 (0.24) | 9000 (620) | |
| M20 x 1.5 | M14 x 1.5 | -PHN-MS20-MS14 | 36.0 (1.42) | 22.0 (0.87) | 16.0 (0.63) | 13.0 (0.51) | 7.2 (0.28) | 8000 (551) | |
| M20 x 1.5 | M16 x 1.5 | -PHN-MS20-MS16 | 37.0 (1.46) | 22.0 (0.87) | 16.0 (0.63) | 14.0 (0.55) | 9.0 (0.35) | 7800 (537) | |
| M20 x 1.5 | M20 x 1.5 | -PHN-MS20 | 39.0 (1.54) | 22.0 (0.87) | 16.0 (0.63) | 16.0 (0.63) | 10.8 (0.43) | 7700 (530) | |
| M27 x 2 | M27 x 2 | -PHN-MS27 | 44.5 (1.75) | 30.0 (1.18) | 18.0 (0.71) | 18.0 (0.71) | 16.1 (0.63) | 7300 (502) | |

Hex Long Nipples



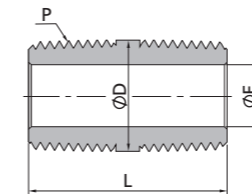
| Male NPT Threads | | | | | | |
|------------------|-----------------------|---------------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | Working Pressure psig (bar) | |
| | | L | F | E | 316 SS, Steel | Brass |
| 1/8 | -PLN-NS2-1.5 | 1.50 (38.1) | 0.44 (11.1) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/8 | -PLN-NS2-2 | 2.00 (50.8) | 0.44 (11.1) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/8 | -PLN-NS2-2.5 | 2.50 (63.5) | 0.44 (11.1) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/8 | -PLN-NS2-3 | 3.00 (76.2) | 0.44 (11.1) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/4 | -PLN-NS4-1.5 | 1.50 (38.1) | 0.56 (14.3) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PLN-NS4-2 | 2.00 (50.8) | 0.56 (14.3) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PLN-NS4-2.5 | 2.50 (63.5) | 0.56 (14.3) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PLN-NS4-3 | 3.00 (76.2) | 0.56 (14.3) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PLN-NS4-4 | 4.00 (101.6) | 0.56 (14.3) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/8 | -PLN-NS6-1.5 | 1.50 (38.1) | 0.69 (17.5) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PLN-NS6-2 | 2.00 (50.8) | 0.69 (17.5) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PLN-NS6-2.5 | 2.50 (63.5) | 0.69 (17.5) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PLN-NS6-3 | 3.00 (76.2) | 0.69 (17.5) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PLN-NS6-4 | 4.00 (101.6) | 0.69 (17.5) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 1/2 | -PLN-NS8-2 | 2.00 (50.8) | 0.87 (22.2) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 1/2 | -PLN-NS8-3 | 3.00 (76.2) | 0.87 (22.2) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 1/2 | -PLN-NS8-4 | 4.00 (101.6) | 0.87 (22.2) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 1/2 | -PLN-NS8-6 | 6.00 (152.4) | 0.87 (22.2) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 3/4 | -PLN-NS12-2 | 2.00 (50.8) | 1.06 (27.0) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 3/4 | -PLN-NS12-3 | 3.00 (76.2) | 1.06 (27.0) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 3/4 | -PLN-NS12-4 | 4.00 (101.6) | 1.06 (27.0) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 1 | -PLN-NS16-3 | 3.00 (76.2) | 1.37 (34.9) | 0.88 (22.4) | 5300 (365) | 2600 (179) |
| 1 | -PLN-NS16-4 | 4.00 (101.6) | 1.37 (34.9) | 0.88 (22.4) | 5300 (365) | 2600 (179) |

Hex Long Nipples



| Male ISO Tapered Threads | | | | | | |
|--------------------------|-----------------------|---------------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | Working Pressure psig (bar) | |
| | | L | F | E | 316 SS, Steel | Brass |
| 1/8 | -PLN-RT2-1.5 | 1.50 (38.1) | 0.44 (11.1) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/8 | -PLN-RT2-2 | 2.00 (50.8) | 0.44 (11.1) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/8 | -PLN-RT2-2.5 | 2.50 (63.5) | 0.44 (11.1) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/8 | -PLN-RT2-3 | 3.00 (76.2) | 0.44 (11.1) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/4 | -PLN-RT4-1.5 | 1.50 (38.1) | 0.56 (14.3) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PLN-RT4-2 | 2.00 (50.8) | 0.56 (14.3) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PLN-RT4-2.5 | 2.50 (63.5) | 0.56 (14.3) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PLN-RT4-3 | 3.00 (76.2) | 0.56 (14.3) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PLN-RT4-4 | 4.00 (101.6) | 0.56 (14.3) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/8 | -PLN-RT6-1.5 | 1.50 (38.1) | 0.69 (17.5) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PLN-RT6-2 | 2.00 (50.8) | 0.69 (17.5) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PLN-RT6-2.5 | 2.50 (63.5) | 0.69 (17.5) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PLN-RT6-3 | 3.00 (76.2) | 0.69 (17.5) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PLN-RT6-4 | 4.00 (101.6) | 0.69 (17.5) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 1/2 | -PLN-RT8-2 | 2.00 (50.8) | 0.87 (22.2) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 1/2 | -PLN-RT8-3 | 3.00 (76.2) | 0.87 (22.2) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 1/2 | -PLN-RT8-4 | 4.00 (101.6) | 0.87 (22.2) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 1/2 | -PLN-RT8-6 | 6.00 (152.4) | 0.87 (22.2) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 3/4 | -PLN-RT12-2 | 2.00 (50.8) | 1.06 (27.0) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 3/4 | -PLN-RT12-3 | 3.00 (76.2) | 1.06 (27.0) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 3/4 | -PLN-RT12-4 | 4.00 (101.6) | 1.06 (27.0) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 1 | -PLN-RT16-3 | 3.00 (76.2) | 1.37 (34.9) | 0.88 (22.4) | 5300 (365) | 2600 (179) |
| 1 | -PLN-RT16-4 | 4.00 (101.6) | 1.37 (34.9) | 0.88 (22.4) | 5300 (365) | 2600 (179) |

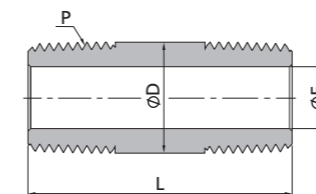
Close Nipples



| Male NPT Threads | | | | | | |
|------------------|-----------------------|---------------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | Working Pressure psig (bar) | |
| | | L | D | E | 316 SS, Steel | Brass |
| 1/16 | -PCN-NS1 | 0.75 (19.1) | 0.31 (7.9) | 0.12 (3.0) | 11000 (757) | 5500 (378) |
| 1/8 | -PCN-NS2 | 0.75 (19.1) | 0.41 (10.3) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/4 | -PCN-NS4 | 1.12 (28.4) | 0.54 (13.7) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/8 | -PCN-NS6 | 1.12 (28.4) | 0.67 (17.1) | 0.38 (9.6) | 7800 (537) | 3900 (268) |
| 1/2 | -PCN-NS8 | 1.50 (38.1) | 0.84 (21.3) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 3/4 | -PCN-NS12 | 1.50 (38.1) | 1.05 (26.7) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 1 | -PCN-NS16 | 1.88 (47.8) | 1.31 (33.4) | 0.88 (22.4) | 5300 (365) | 2600 (179) |

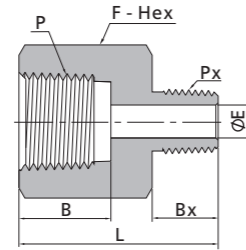
| Male ISO Tapered Threads | | | | | | |
|--------------------------|-----------------------|---------------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | Working Pressure psig (bar) | |
| | | L | D | E | 316 SS, Steel | Brass |
| 1/16 | -PCN-RT1 | 0.75 (19.1) | 0.31 (7.9) | 0.12 (3.0) | 11000 (757) | 5500 (378) |
| 1/8 | -PCN-RT2 | 0.75 (19.1) | 0.41 (10.3) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/4 | -PCN-RT4 | 1.12 (28.4) | 0.54 (13.7) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/8 | -PCN-RT6 | 1.12 (28.4) | 0.67 (17.1) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 1/2 | -PCN-RT8 | 1.50 (38.1) | 0.84 (21.3) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 3/4 | -PCN-RT12 | 1.50 (38.1) | 1.05 (26.7) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 1 | -PCN-RT16 | 1.88 (47.8) | 1.31 (33.4) | 0.88 (22.4) | 5300 (365) | 2600 (179) |

Special Pipe Nipples



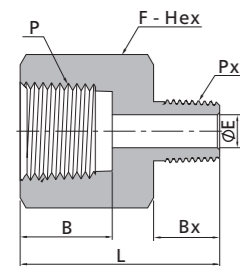
| Male NPT Threads | | | | | | |
|------------------|-----------------------|---------------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | Working Pressure psig (bar) | |
| | | L | D | E | 316 SS, Steel | Brass |
| 1/8 | -PSN-NS2-1.5 | 1.50 (38.1) | 0.41 (10.3) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/8 | -PSN-NS2-2 | 2.00 (50.8) | 0.41 (10.3) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/8 | -PSN-NS2-2.5 | 2.50 (63.5) | 0.41 (10.3) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/8 | -PSN-NS2-3 | 3.00 (76.2) | 0.41 (10.3) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/4 | -PSN-NS4-1.5 | 1.50 (38.1) | 0.54 (13.7) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PSN-NS4-2 | 2.00 (50.8) | 0.54 (13.7) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PSN-NS4-2.5 | 2.50 (63.5) | 0.54 (13.7) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PSN-NS4-3 | 3.00 (76.2) | 0.54 (13.7) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 1/4 | -PSN-NS4-4 | 4.00 (101.6) | 0.54 (13.7) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/8 | -PSN-NS6-1.5 | 1.50 (38.1) | 0.67 (17.1) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PSN-NS6-2 | 2.00 (50.8) | 0.67 (17.1) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PSN-NS6-2.5 | 2.50 (63.5) | 0.67 (17.1) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PSN-NS6-3 | 3.00 (76.2) | 0.67 (17.1) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 3/8 | -PSN-NS6-4 | 4.00 (101.6) | 0.67 (17.1) | 0.38 (9.7) | 7800 (537) | 3900 (268) |
| 1/2 | -PSN-NS8-2 | 2.00 (50.8) | 0.84 (21.3) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 1/2 | -PSN-NS8-3 | 3.00 (76.2) | 0.84 (21.3) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 1/2 | -PSN-NS8-4 | 4.00 (101.6) | 0.84 (21.3) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 1/2 | -PSN-NS8-6 | 6.00 (152.4) | 0.84 (21.3) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 3/4 | -PSN-NS12-2 | 2.00 (50.8) | 1.05 (26.7) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 3/4 | -PSN-NS12-3 | 3.00 (76.2) | 1.05 (26.7) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 3/4 | -PSN-NS12-4 | 4.00 (101.6) | 1.05 (26.7) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 1 | -PSN-NS16-3 | 3.00 (76.2) | 1.31 (33.4) | 0.88 (22.4) | 5300 (365) | 2600 (179) |
| 1 | -PSN-NS16-4 | 4.00 (101.6) | 1.31 (33.4) | 0.88 (22.4) | 5300 (365) | 2600 (179) |

Adapters



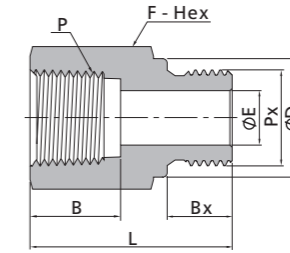
| Female NPT Threads | | | Dimension, in. (mm) | | | | | | | Male NPT Threads | |
|---------------------------------------|-------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|------------|------------------|-------|
| P-NPT Size | Px-NPT Size | Basic Ordering Number | L | F | B | Bx | E | Working Pressure psig (bar) | | | |
| | | | | | | | | | | 316 SS, Steel | Brass |
| 1/8 | 1/16 | -PA-NS2-NS1 | 1.09 (27.7) | 0.56 (14.3) | 0.41 (10.4) | 0.38 (9.7) | 0.12 (3.0) | 6500 (447) | 3200 (220) | | |
| 1/8 | 1/8 | -PA-NS2 | 1.10 (27.9) | 0.56 (14.3) | 0.41 (10.4) | 0.38 (9.7) | 0.19 (4.8) | 6500 (447) | 3200 (220) | | |
| 1/4 | 1/16 | -PA-NS4-NS1 | 1.20 (30.5) | 0.75 (19.1) | 0.59 (15.0) | 0.38 (9.7) | 0.12 (3.0) | 6600 (454) | 3300 (227) | | |
| 1/4 | 1/8 | -PA-NS4-NS2 | 1.26 (32.0) | 0.75 (19.1) | 0.59 (15.0) | 0.38 (9.7) | 0.19 (4.8) | 6600 (454) | 3300 (227) | | |
| 1/4 | 1/4 | -PA-NS4 | 1.40 (35.6) | 0.75 (19.1) | 0.59 (15.0) | 0.56 (14.2) | 0.28 (7.1) | 6600 (454) | 3300 (227) | | |
| 3/8 | 1/16 | -PA-NS6-NS1 | 1.25 (31.8) | 0.87 (22.2) | 0.59 (15.0) | 0.38 (9.7) | 0.12 (3.0) | 5300 (365) | 2600 (179) | | |
| 3/8 | 1/8 | -PA-NS6-NS2 | 1.33 (33.8) | 0.87 (22.2) | 0.59 (15.0) | 0.38 (9.7) | 0.19 (4.8) | 5300 (365) | 2600 (179) | | |
| 3/8 | 1/4 | -PA-NS6-NS4 | 1.50 (38.1) | 0.87 (22.2) | 0.59 (15.0) | 0.56 (14.2) | 0.28 (7.1) | 5300 (365) | 2600 (179) | | |
| 3/8 | 3/8 | -PA-NS6 | 1.51 (38.4) | 0.87 (22.2) | 0.59 (15.0) | 0.56 (14.2) | 0.38 (9.6) | 5300 (365) | 2600 (179) | | |
| 1/2 | 1/8 | -PA-NS8-NS2 | 1.58 (40.1) | 1.06 (27.0) | 0.78 (19.8) | 0.38 (9.7) | 0.19 (4.8) | 4900 (337) | 2400 (165) | | |
| 1/2 | 1/4 | -PA-NS8-NS4 | 1.76 (44.7) | 1.06 (27.0) | 0.78 (19.8) | 0.56 (14.2) | 0.28 (7.1) | 4900 (337) | 2400 (165) | | |
| 1/2 | 3/8 | -PA-NS8-NS6 | 1.75 (44.4) | 1.06 (27.0) | 0.78 (19.8) | 0.56 (14.2) | 0.38 (9.6) | 4900 (337) | 2400 (165) | | |
| 1/2 | 1/2 | -PA-NS8 | 1.94 (49.3) | 1.06 (27.0) | 0.78 (19.8) | 0.75 (19.1) | 0.47 (11.9) | 4900 (337) | 2400 (165) | | |
| 3/4 | 1/8 | -PA-NS12-NS2 | 1.56 (39.6) | 1.31 (33.3) | 0.81 (20.6) | 0.38 (9.7) | 0.19 (4.8) | 4600 (316) | 2300 (158) | | |
| 3/4 | 1/4 | -PA-NS12-NS4 | 1.85 (47.0) | 1.31 (33.3) | 0.81 (20.6) | 0.56 (14.2) | 0.28 (7.1) | 4600 (316) | 2300 (158) | | |
| 3/4 | 3/8 | -PA-NS12-NS6 | 1.82 (46.2) | 1.31 (33.3) | 0.81 (20.6) | 0.56 (14.2) | 0.38 (9.6) | 4600 (316) | 2300 (158) | | |
| 3/4 | 1/2 | -PA-NS12-NS8 | 2.02 (51.3) | 1.31 (33.3) | 0.81 (20.6) | 0.75 (19.1) | 0.47 (11.9) | 4600 (316) | 2300 (158) | | |
| 3/4 | 3/4 | -PA-NS12 | 2.02 (51.3) | 1.31 (33.3) | 0.81 (20.6) | 0.75 (19.1) | 0.62 (15.7) | 4600 (316) | 2300 (158) | | |
| 1 | 1/8 | -PA-NS16-NS2 | 1.81 (46.0) | 1.63 (41.3) | 1.00 (25.4) | 0.38 (9.7) | 0.19 (4.8) | 4400 (303) | 2200 (151) | | |
| 1 | 1/4 | -PA-NS16-NS4 | 1.96 (49.8) | 1.63 (41.3) | 1.00 (25.4) | 0.56 (14.2) | 0.28 (7.1) | 4400 (303) | 2200 (151) | | |
| 1 | 3/8 | -PA-NS16-NS6 | 2.00 (50.8) | 1.63 (41.3) | 1.00 (25.4) | 0.56 (14.2) | 0.38 (9.6) | 4400 (303) | 2200 (151) | | |
| 1 | 1/2 | -PA-NS16-NS8 | 2.16 (54.9) | 1.63 (41.3) | 1.00 (25.4) | 0.75 (19.1) | 0.47 (11.9) | 4400 (303) | 2200 (151) | | |
| 1 | 3/4 | -PA-NS16-NS12 | 2.17 (55.1) | 1.63 (41.3) | 1.00 (25.4) | 0.75 (19.1) | 0.62 (15.7) | 4400 (303) | 2200 (151) | | |
| 1 | 1 | -PA-NS16 | 2.28 (57.9) | 1.63 (41.3) | 1.00 (25.4) | 0.94 (23.9) | 0.88 (22.4) | 4400 (303) | 2200 (151) | | |
| 1 1/4 | 1 | -PA-NS20-NS16 | 2.47 (62.7) | 2.13 (54.0) | 1.00 (25.4) | 0.94 (23.9) | 0.88 (22.4) | 5000 (344) | 2500 (172) | | |
| Heavy-Wall Female to male NPT Threads | | | | | | | | | | | |
| 1/4 | 1/4 | -PA-NS4-10K | 1.43 (36.3) | 1.00 (25.4) | 0.59 (15.0) | 0.56 (14.2) | 0.23 (5.8) | 10000 (690) | / | | |
| 1/2 | 1/2 | -PA-NS8-10K | 2.02 (51.3) | 1.50 (38.1) | 0.78 (19.8) | 0.75 (19.1) | 0.39 (9.9) | 10000 (690) | / | | |
| 1/2 | 1/4 | -PA-NS8-NS4-10K | 1.81 (46.0) | 1.50 (38.1) | 0.78 (19.8) | 0.56 (14.2) | 0.23 (5.8) | 10000 (690) | / | | |

Adapters

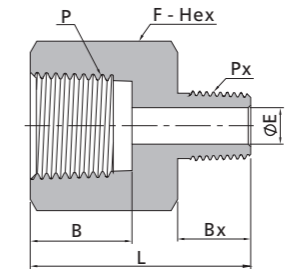


| Female NPT Threads | | | Dimension, in. (mm) | | | | | | | Male ISO Tapered Threads | |
|--------------------|------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|------------|--------------------------|-------|
| P-NPT Size | Px-RT Size | Basic Ordering Number | L | F | B | Bx | E | Working Pressure psig (bar) | | | |
| | | | | | | | | | | 316 SS, Steel | Brass |
| 1/8 | 1/8 | -PA-NS2-RT2 | 1.09 (27.7) | 0.56 (14.3) | 0.41 (10.4) | 0.38 (9.7) | 0.19 (4.8) | 6500 (447) | 3200 (220) | | |
| 1/4 | 1/4 | -PA-NS4-RT4 | 1.42 (36.1) | 0.75 (19.1) | 0.59 (15.0) | 0.56 (14.2) | 0.28 (7.1) | 6600 (454) | 3300 (227) | | |
| 3/8 | 3/8 | -PA-NS6-RT6 | 1.50 (38.1) | 0.87 (22.2) | 0.59 (15.0) | 0.56 (14.2) | 0.38 (9.6) | 5300 (365) | 2600 (179) | | |
| 1/2 | 1/2 | -PA-NS8-RT8 | 1.94 (49.3) | 1.06 (27.0) | 0.78 (19.8) | 0.75 (19.1) | 0.47 (11.9) | 4900 (337) | 2400 (165) | | |
| 3/4 | 3/4 | -PA-NS12-RT12 | 2.02 (51.3) | 1.31 (33.3) | 0.81 (20.6) | 0.75 (19.1) | 0.62 (15.7) | 4600 (316) | 2300 (158) | | |
| 1 | 1 | -PA-NS16-RT16 | 2.30 (58.4) | 1.63 (41.3) | 1.00 (25.4) | 0.94 (23.9) | 0.88 (22.4) | 4400 (303) | 2200 (151) | | |

Adapters

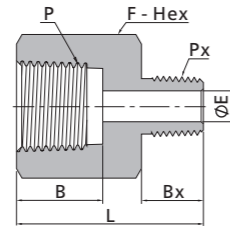


| Female NPT Threads | | | Dimension, in. (mm) | | | | | | | Male ISO Parallel Threads | |
|--------------------|------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|---------------------------|-------|
| P-NPT Size | Px-RS Size | Basic Ordering Number | L | F | B | Bx | D | E | Working Pressure psig (bar) | | |
| | | | | | | | | | | 316 SS, Steel | Brass |
| 1/8 | 1/8 | -PA-NS2-RS2 | 0.99 (25.1) | 0.56 (14.3) | 0.39 (9.9) | 0.28 (7.1) | 0.54 (13.7) | 0.16 (4.1) | 6500 (447) | 3200 (220) | |
| 1/4 | 1/4 | -PA-NS4-RS4 | 1.32 (33.5) | 0.75 (19.1) | 0.41 (10.4) | 0.44 (11.2) | 0.71 (18.0) | 0.23 (5.8) | 6600 (454) | 3300 (227) | |
| 3/8 | 3/8 | -PA-NS6-RS6 | 1.41 (35.8) | 0.87 (22.2) | 0.59 (15.0) | 0.44 (11.2) | 0.85 (21.6) | 0.31 (7.9) | 5300 (365) | 2600 (179) | |
| 1/2 | 1/2 | -PA-NS8-RS8 | 1.74 (44.2) | 1.06 (27.0) | 0.59 (15.0) | 0.56 (14.2) | 1.02 (25.9) | 0.47 (11.9) | 4900 (337) | 2400 (165) | |
| 3/4 | 3/4 | -PA-NS12-RS12 | 1.89 (48.0) | 1.31 (33.3) | 0.81 (20.6) | 0.62 (15.7) | 1.26 (32.0) | 0.62 (15.7) | 4600 (316) | 2300 (158) | |
| 1 | 1 | -PA-NS16-RS16 | 2.10 (53.3) | 1.63 (41.3) | 1.00 (25.4) | 0.72 (18.3) | 1.53 (38.9) | 0.78 (19.8) | 4400 (303) | 2200 (151) | |

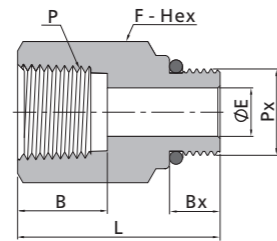


| Female ISO Tapered Threads | | | Dimension, in. (mm) | | | | | | | Male ISO Tapered Threads | |
|----------------------------|------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|------------|--------------------------|-------|
| P-RT Size | Px-RT Size | Basic Ordering Number | L | F | B | Bx | E | Working Pressure psig (bar) | | | |
| | | | | | | | | | | 316 SS, Steel | Brass |
| 1/8 | 1/8 | -PA-RT2 | 1.09 (27.7) | 0.56 (14.3) | 0.41 (10.4) | 0.38 (9.7) | 0.19 (4.8) | 6500 (447) | 3200 (220) | | |
| 1/4 | 1/8 | -PA-RT4-RT2 | 1.26 (32.0) | 0.75 (19.1) | 0.59 (15.0) | 0.38 (9.7) | 0.19 (4.8) | 6600 (454) | 3300 (227) | | |
| 1/4 | 1/4 | -PA-RT4 | 1.42 (36.1) | 0.75 (19.1) | 0.59 (15.0) | 0.56 (14.2) | 0.28 (7.1) | 6600 (454) | 3300 (227) | | |
| 3/8 | 1/4 | -PA-RT6-RT4 | 1.50 (38.1) | 0.87 (22.2) | 0.59 (15.0) | 0.56 (14.2) | 0.28 (7.1) | 5300 (365) | 2600 (179) | | |
| 3/8 | 3/8 | -PA-RT6 | 1.50 (38.1) | 0.87 (22.2) | 0.59 (15.0) | 0.56 (14.2) | 0.38 (9.7) | 5300 (365) | 2600 (179) | | |
| 1/2 | 1/4 | -PA-RT8-RT4 | 1.76 (44.7) | 1.06 (27.0) | 0.78 (19.8) | 0.56 (14.2) | 0.28 (7.1) | 4900 (337) | 2400 (165) | | |
| 1/2 | 3/8 | -PA-RT8-RT6 | 1.75 (44.4) | 1.06 (27.0) | 0.78 (19.8) | 0.56 (14.2) | 0.38 (9.7) | 4900 (337) | 2400 (165) | | |
| 1/2 | 1/2 | -PA-RT8 | 1.95 (49.5) | 1.06 (27.0) | 0.78 (19.8) | 0.75 (19.1) | 0.47 (11.9) | 4900 (337) | 2400 (165) | | |
| 3/4 | 3/4 | -PA-RT12 | 2.02 (51.3) | 1.31 (33.3) | 0.81 (20.6) | 0.75 (19.1) | 0.62 (15.7) | 4600 (316) | 2300 (158) | | |
| 1 | 1 | -PA-RT16 | 2.30 (58.4) | 1.63 (41.3) | 1.00 (25.4) | 0.94 (23.9) | 0.88 (22.4) | 4400 (303) | 2200 (151) | | |

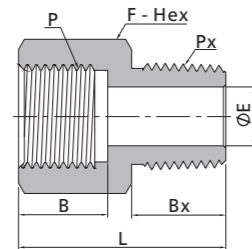
Adapters



| Female ISO Tapered Threads | | | Male NPT Threads | | | | | | |
|----------------------------|-------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Px-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) | |
| | | | L | F | B | Bx | E | 316 SS, Steel | Brass |
| 1/8 | 1/8 | -PA-RT2-NS2 | 1.09 (27.7) | 0.56 (14.3) | 0.41 (10.4) | 0.38 (9.7) | 0.19 (4.8) | 6500 (447) | 3200 (220) |
| 1/4 | 1/4 | -PA-RT4-NS4 | 1.43 (36.3) | 0.75 (19.1) | 0.59 (15.0) | 0.56 (14.2) | 0.28 (7.1) | 6600 (454) | 3300 (227) |
| 3/8 | 3/8 | -PA-RT6-NS6 | 1.51 (38.4) | 0.87 (22.2) | 0.59 (15.0) | 0.56 (14.2) | 0.38 (9.6) | 5300 (365) | 2600 (179) |
| 1/2 | 1/2 | -PA-RT8-NS8 | 1.96 (49.8) | 1.06 (27.0) | 0.78 (19.8) | 0.75 (19.1) | 0.47 (11.9) | 4900 (337) | 2400 (165) |
| 3/4 | 3/4 | -PA-RT12-NS12 | 2.02 (51.3) | 1.31 (33.3) | 0.81 (20.6) | 0.75 (19.1) | 0.62 (15.7) | 4600 (316) | 2300 (158) |
| 1 | 1 | -PA-RT16-NS16 | 2.30 (58.4) | 1.63 (41.3) | 1.00 (25.4) | 0.94 (23.9) | 0.88 (22.4) | 4400 (303) | 2200 (151) |

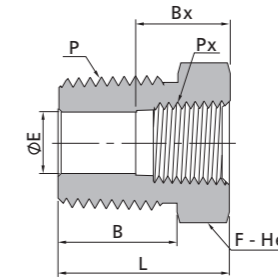


| Female NPT Threads | | | Male SAE/MS Straight Threads | | | | | |
|--------------------|-----------------------|-----------------------|------------------------------|-------------|-------------|-------------|-------------|--|
| P-NPT Size | Px-SAE/MS Thread Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) 316 SS, Steel |
| | | | L | F | B | Bx | E | |
| 1/4 | 7/16-20 | -PA-NS4-ST7 | 1.32 (33.5) | 0.75 (19.1) | 0.59 (15.0) | 0.36 (9.1) | 0.20 (5.1) | 4500 (310) |
| 3/8 | 9/16-18 | -PA-NS6-ST9 | 1.39 (35.3) | 0.94 (23.8) | 0.59 (15.0) | 0.39 (9.9) | 0.28 (7.1) | 4500 (310) |
| 1/2 | 3/4-16 | -PA-NS8-ST12 | 1.76 (44.7) | 1.06 (27.0) | 0.78 (19.8) | 0.44 (11.2) | 0.42 (10.7) | 4500 (310) |
| 3/4 | 1 1/16-12 | -PA-NS12-ST17 | 1.99 (50.5) | 1.37 (34.9) | 0.81 (20.6) | 0.59 (15.0) | 0.66 (16.8) | 3600 (248) |
| 1 | 1 5/16-12 | -PA-NS16-ST21 | 2.12 (53.8) | 1.63 (41.3) | 1.00 (25.4) | 0.59 (15.0) | 0.85 (21.5) | 2900 (199) |



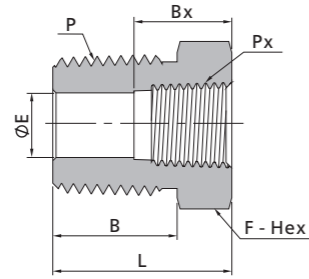
| Female ISO Parallel Threads | | | Male NPT Threads | | | | | |
|-----------------------------|-------------|-----------------------|---------------------|-------------|-------------|-------------|------------|--|
| P-RG Size | Px-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) 316 SS, Steel |
| | | | L | F | B | Bx | E | |
| 1/8 | 1/8 | -PA-RG2-NS2 | 0.86 (21.8) | 0.56 (14.3) | 0.26 (6.5) | 0.38 (9.7) | 0.18 (4.5) | 6100 (420) |
| 1/4 | 1/4 | -PA-RG4-NS4 | 1.19 (30.2) | 0.75 (19.1) | 0.51 (12.9) | 0.56 (14.2) | 0.22 (5.5) | 5700 (392) |
| 3/8 | 3/8 | -PA-RG6-NS6 | 1.27 (32.2) | 0.94 (23.8) | 0.56 (14.2) | 0.56 (14.2) | 0.26 (6.5) | 5700 (392) |
| 1/2 | 1/2 | -PA-RG8-NS8 | 1.68 (42.7) | 1.06 (27.0) | 0.74 (18.8) | 0.75 (19.1) | 0.28 (7.0) | 3900 (268) |

Reducing Bushings

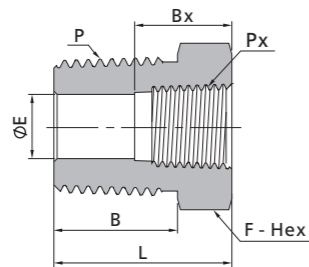


| Male NPT Threads | | | Female NPT Threads | | | | | | |
|------------------|-------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Px-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) | |
| | | | L | F | B | Bx | E | 316 SS, Steel | Brass |
| 1/8 | 1/16 | -PRB-NS2-NS1 | 1.03 (26.2) | 0.44 (11.1) | 0.38 (9.7) | 0.39 (9.9) | 0.19 (4.8) | 6500 (447) | 3200 (220) |
| 1/4 | 1/16 | -PRB-NS4-NS1 | 0.86 (21.8) | 0.56 (14.3) | 0.56 (14.2) | 0.39 (9.9) | 0.19 (4.8) | 8000 (551) | 4000 (275) |
| 1/4 | 1/8 | -PRB-NS4-NS2 | 1.06 (26.9) | 0.56 (14.3) | 0.56 (14.2) | 0.41 (10.4) | 0.28 (7.1) | 6500 (447) | 3300 (227) |
| 3/8 | 1/16 | -PRB-NS6-NS1 | 0.86 (21.8) | 0.69 (17.5) | 0.56 (14.2) | 0.39 (9.9) | 0.19 (4.8) | 13300 (971) | 6600 (454) |
| 3/8 | 1/8 | -PRB-NS6-NS2 | 0.86 (21.8) | 0.69 (17.5) | 0.56 (14.2) | 0.41 (10.4) | 0.34 (8.6) | 9200 (633) | 4700 (323) |
| 3/8 | 1/4 | -PRB-NS6-NS4 | 1.19 (30.2) | 0.75 (19.1) | 0.56 (14.2) | 0.59 (15.0) | 0.38 (9.6) | 6600 (454) | 3300 (227) |
| 1/2 | 1/8 | -PRB-NS8-NS2 | 1.08 (27.4) | 0.87 (22.2) | 0.75 (19.1) | 0.41 (10.4) | 0.34 (8.6) | 12200 (840) | 6200 (427) |
| 1/2 | 1/4 | -PRB-NS8-NS4 | 1.08 (27.4) | 0.87 (22.2) | 0.75 (19.1) | 0.59 (15.0) | 0.45 (11.4) | 8300 (571) | 4400 (303) |
| 1/2 | 3/8 | -PRB-NS8-NS6 | 1.41 (35.8) | 0.87 (22.2) | 0.75 (19.1) | 0.59 (15.0) | 0.47 (11.9) | 5300 (365) | 2600 (179) |
| 3/4 | 1/8 | -PRB-NS12-NS2 | 1.08 (27.4) | 1.06 (27.0) | 0.75 (19.1) | 0.41 (10.4) | 0.28 (7.1) | 20000(1378) | 10000(690) |
| 3/4 | 1/4 | -PRB-NS12-NS4 | 1.08 (27.4) | 1.06 (27.0) | 0.75 (19.1) | 0.59 (15.0) | 0.45 (11.4) | 12000 (826) | 6000 (410) |
| 3/4 | 3/8 | -PRB-NS12-NS6 | 1.08 (27.4) | 1.06 (27.0) | 0.75 (19.1) | 0.59 (15.0) | 0.59 (15.0) | 8200 (564) | 4300 (296) |
| 3/4 | 1/2 | -PRB-NS12-NS8 | 1.63 (41.4) | 1.06 (27.0) | 0.75 (19.1) | 0.78 (19.8) | 0.62 (15.7) | 4900 (337) | 2400 (165) |
| 1 | 1/8 | -PRB-NS16-NS2 | 1.36 (34.5) | 1.37 (34.9) | 0.94 (23.9) | 0.41 (10.4) | 0.28 (7.1) | 20000(1378) | 10000(690) |
| 1 | 1/4 | -PRB-NS16-NS4 | 1.37 (34.8) | 1.37 (34.9) | 0.94 (23.9) | 0.59 (15.0) | 0.45 (11.4) | 14500 (999) | 7400 (509) |
| 1 | 3/8 | -PRB-NS16-NS6 | 1.37 (34.8) | 1.37 (34.9) | 0.94 (23.9) | 0.59 (15.0) | 0.59 (15.0) | 11600 (799) | 5900 (406) |
| 1 | 1/2 | -PRB-NS16-NS8 | 1.37 (34.8) | 1.37 (34.9) | 0.94 (23.9) | 0.78 (19.8) | 0.73 (18.5) | 8600 (592) | 4300 (296) |
| 1 | 3/4 | -PRB-NS16-NS12 | 1.85 (47.0) | 1.37 (34.9) | 0.94 (23.9) | 0.81 (20.6) | 0.88 (22.4) | 5300 (365) | 2600 (179) |
| 1 1/4 | 3/4 | -PRB-NS20-NS12 | 1.47 (37.3) | 1.75 (44.5) | 0.94 (23.9) | 0.81 (20.6) | 0.88 (22.4) | 7800 (537) | 3900 (268) |
| 1 1/4 | 1 | -PRB-NS20-NS16 | 1.47 (37.3) | 1.75 (44.5) | 0.94 (23.9) | 1.00 (25.4) | 0.88 (22.4) | 3500 (241) | 1750 (120) |
| 1 1/2 | 1 | -PRB-NS24-NS16 | 1.58 (40.1) | 2.00 (50.8) | 1.03 (26.2) | 1.00 (25.4) | 0.88 (22.4) | 6600 (454) | 3300 (227) |
| 1 1/2 | 1 1/4 | -PRB-NS24-NS20 | 2.20 (56.0) | 2.13 (54.0) | 1.03 (26.2) | 1.00 (25.4) | 1.34 (34.0) | 5000 (344) | 2500 (172) |

Reducing Bushings

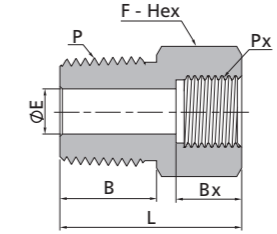


| Male NPT Threads | | | Female ISO Tapered Threads | | | | | | |
|------------------|------------|-----------------------|----------------------------|-------------|-------------|-------------|-------------|-----------------------------|-------------|
| P-NPT Size | Px-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) | |
| | | | L | F | B | Bx | E | 316 SS, Steel | Brass |
| 1/8 | 1/16 | -PRB-NS2-RT1 | 1.03 (26.2) | 0.44 (11.1) | 0.38 (9.7) | 0.39 (9.9) | 0.19 (4.8) | 6500 (447) | 3200 (220) |
| 1/4 | 1/16 | -PRB-NS4-RT1 | 0.86 (21.8) | 0.56 (14.3) | 0.56 (14.2) | 0.39 (9.9) | 0.19 (4.8) | 8000 (551) | 4000 (275) |
| 1/4 | 1/8 | -PRB-NS4-RT2 | 1.06 (26.9) | 0.56 (14.3) | 0.56 (14.2) | 0.41 (10.4) | 0.28 (7.1) | 6500 (447) | 3300 (227) |
| 3/8 | 1/16 | -PRB-NS6-RT1 | 0.86 (21.8) | 0.69 (17.5) | 0.56 (14.2) | 0.39 (9.9) | 0.19 (4.8) | 13300 (917) | 6600 (454) |
| 3/8 | 1/8 | -PRB-NS6-RT2 | 0.86 (21.8) | 0.69 (17.5) | 0.56 (14.2) | 0.41 (10.4) | 0.28 (7.1) | 9200 (633) | 4700 (323) |
| 3/8 | 1/4 | -PRB-NS6-RT4 | 1.19 (30.2) | 0.75 (19.1) | 0.56 (14.2) | 0.59 (15.0) | 0.38 (9.7) | 6600 (454) | 3300 (227) |
| 1/2 | 1/8 | -PRB-NS8-RT2 | 1.08 (27.4) | 0.87 (22.2) | 0.75 (19.1) | 0.41 (10.4) | 0.28 (7.1) | 12200 (840) | 6200 (427) |
| 1/2 | 1/4 | -PRB-NS8-RT4 | 1.08 (27.4) | 0.87 (22.2) | 0.75 (19.1) | 0.59 (15.0) | 0.41 (10.4) | 8300 (571) | 4400 (303) |
| 1/2 | 3/8 | -PRB-NS8-RT6 | 1.41 (35.8) | 0.87 (22.2) | 0.75 (19.1) | 0.59 (15.0) | 0.47 (11.9) | 5300 (365) | 2600 (179) |
| 3/4 | 1/8 | -PRB-NS12-RT2 | 1.08 (27.4) | 1.06 (27.0) | 0.75 (19.1) | 0.41 (10.4) | 0.28 (7.1) | 20000 (1378) | 10000 (690) |
| 3/4 | 1/4 | -PRB-NS12-RT4 | 1.08 (27.4) | 1.06 (27.0) | 0.75 (19.1) | 0.59 (15.0) | 0.41 (10.4) | 12000 (826) | 6000 (410) |
| 3/4 | 3/8 | -PRB-NS12-RT6 | 1.08 (27.4) | 1.06 (27.0) | 0.75 (19.1) | 0.59 (15.0) | 0.50 (12.7) | 8200 (564) | 4300 (296) |
| 3/4 | 1/2 | -PRB-NS12-RT8 | 1.63 (41.4) | 1.06 (27.0) | 0.75 (19.1) | 0.78 (19.8) | 0.62 (15.7) | 4900 (337) | 2400 (165) |
| 1 | 1/8 | -PRB-NS16-RT2 | 1.36 (34.5) | 1.37 (34.9) | 0.94 (23.9) | 0.41 (10.4) | 0.28 (7.1) | 20000 (1378) | 10000 (690) |
| 1 | 1/4 | -PRB-NS16-RT4 | 1.37 (34.8) | 1.37 (34.9) | 0.94 (23.9) | 0.59 (15.0) | 0.41 (10.4) | 14500 (999) | 7400 (509) |
| 1 | 3/8 | -PRB-NS16-RT6 | 1.37 (34.8) | 1.37 (34.9) | 0.94 (23.9) | 0.59 (15.0) | 0.50 (12.7) | 11600 (799) | 5900 (406) |
| 1 | 1/2 | -PRB-NS16-RT8 | 1.37 (34.8) | 1.37 (34.9) | 0.94 (23.9) | 0.78 (19.8) | 0.62 (15.7) | 8600 (592) | 4300 (296) |
| 1 | 3/4 | -PRB-NS16-RT12 | 1.85 (47.0) | 1.37 (34.9) | 0.94 (23.9) | 0.81 (20.6) | 0.88 (22.4) | 5300 (365) | 2600 (179) |
| 1 1/4 | 3/4 | -PRB-NS20-RT12 | 1.47 (37.3) | 1.75 (44.5) | 0.94 (23.9) | 0.81 (20.6) | 0.88 (22.4) | 7800 (537) | 3900 (268) |
| 1 1/4 | 1 | -PRB-NS20-RT16 | 1.47 (37.3) | 1.75 (44.5) | 0.94 (23.9) | 1.00 (25.4) | 0.88 (22.4) | 3500 (241) | 1750 (120) |
| 1 1/2 | 1 | -PRB-NS24-RT16 | 1.58 (40.1) | 2.00 (50.8) | 1.03 (26.2) | 1.00 (25.4) | 0.88 (22.4) | 6600 (454) | 3300 (227) |
| 1 1/2 | 1 1/4 | -PRB-NS24-RT20 | 2.20 (56.0) | 2.13 (54.0) | 1.03 (26.2) | 1.00 (25.4) | 1.34 (34.0) | 5000 (344) | 2500 (172) |

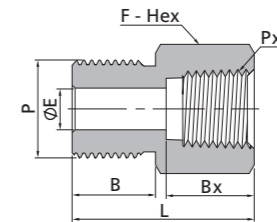


| Male ISO Tapered Threads | | | Female ISO Tapered Threads | | | | | | |
|--------------------------|------------|-----------------------|----------------------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Px-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) | |
| | | | L | F | B | Bx | E | 316 SS, Steel | Brass |
| 1/4 | 1/8 | -PRB-RT4-RT2 | 1.06 (26.9) | 0.56 (14.3) | 0.56 (14.2) | 0.41 (10.4) | 0.28 (7.1) | 6500 (447) | 3200 (220) |
| 3/8 | 1/4 | -PRB-RT6-RT4 | 1.19 (30.2) | 0.75 (19.1) | 0.56 (14.2) | 0.59 (15.0) | 0.38 (9.6) | 6600 (454) | 3300 (227) |
| 1/2 | 1/4 | -PRB-RT8-RT4 | 1.08 (27.4) | 0.87 (22.2) | 0.75 (19.1) | 0.59 (15.0) | 0.44 (11.2) | 8300 (571) | 4400 (303) |
| 1/2 | 3/8 | -PRB-RT8-RT6 | 1.41 (35.8) | 0.87 (22.2) | 0.75 (19.1) | 0.59 (15.0) | 0.47 (11.9) | 5300 (365) | 2600 (179) |

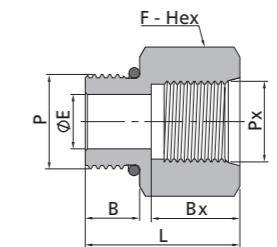
Reducing Bushings



| Male NPT Threads | | | Female ISO Parallel Threads | | | | | |
|------------------|------------|-----------------------|-----------------------------|-------------|-------------|-------------|------------|-----------------------------|
| P-NPT Size | Px-RG Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) |
| | | | L | F | B | Bx | E | 316 SS, Steel |
| 3/8 | 1/4 | -PRB-NS6-RG4 | 1.19 (30.2) | 0.75 (19.1) | 0.56 (14.2) | 0.51 (12.9) | 0.22 (5.6) | 5700 (392) |
| 1/2 | 3/8 | -PRB-NS8-RG6 | 1.41 (35.8) | 0.87 (22.2) | 0.75 (19.1) | 0.56 (14.2) | 0.26 (6.6) | 5700 (392) |
| 3/4 | 1/2 | -PRB-NS12-RG8 | 1.63 (41.4) | 1.06 (27.0) | 0.75 (19.1) | 0.74 (18.8) | 0.28 (7.1) | 3900 (268) |

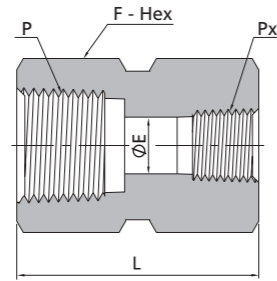


| Male ISO Parallel Threads | | | Female NPT Threads | | | | | | |
|---------------------------|-------------|-----------------------|---------------------|-------------|-------------|-------------|------------|-----------------------------|------------|
| P-BP Size | Px-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) | |
| | | | L | F | B | Bx | E | 316 SS, Steel | Brass |
| 1/4 | 1/8 | -PRB-BP4-NS2 | 1.06 (26.9) | 0.56 (14.3) | 0.51 (12.9) | 0.41 (10.4) | 0.18 (4.5) | 6500 (447) | 3200 (220) |
| 3/8 | 1/4 | -PRB-BP6-NS4 | 1.22 (31.0) | 0.75 (19.1) | 0.56 (14.2) | 0.59 (15.0) | 0.28 (7.1) | 6600 (454) | 3300 (227) |
| 1/2 | 3/8 | -PRB-BP8-NS6 | 1.41 (35.8) | 0.87 (22.2) | 0.74 (18.8) | 0.59 (15.0) | 0.26 (6.6) | 5300 (365) | 2600 (179) |



| Male SAE/MS Straight Threads | | | Female SAE/MS Straight Threads | | | | | |
|------------------------------|-----------------------|-----------------------|--------------------------------|-------------|-------------|-------------|-------------|-----------------------------|
| P-SAE/MS Thread Size | Px-SAE/MS Thread Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) |
| | | | L | F | B | Bx | E | 316 SS, Steel |
| 9/16-18 | 7/16-20 | -PRB-ST9-US7 | 1.12 (28.4) | 0.81 (20.6) | 0.39 (9.9) | 0.55 (14.0) | 0.28 (7.1) | 4500 (310) |
| 3/4-16 | 7/16-20 | -PRB-ST12-US7 | 0.98 (24.9) | 0.87 (22.2) | 0.44 (11.2) | 0.55 (14.0) | 0.39 (9.9) | 4500 (310) |
| 3/4-16 | 9/16-18 | -PRB-ST12-US9 | 1.19 (30.2) | 1.00 (25.4) | 0.44 (11.2) | 0.63 (16.0) | 0.42 (10.7) | 4500 (310) |
| 7/8-14 | 9/16-18 | -PRB-ST14-US9 | 1.10 (27.9) | 1.00 (25.4) | 0.50 (12.7) | 0.63 (16.0) | 0.50 (12.7) | 3600 (248) |
| 7/8-14 | 3/4-16 | -PRB-ST14-US12 | 1.42 (36.1) | 1.19 (30.2) | 0.50 (12.7) | 0.71 (18.0) | 0.50 (12.7) | 3600 (248) |
| 1 1/16-12 | 3/4-16 | -PRB-ST17-US12 | 1.27 (32.3) | 1.25 (31.8) | 0.59 (15.0) | 0.71 (18.0) | 0.65 (16.5) | 3600 (248) |
| 1 5/16-12 | 1 1/16-12 | -PRB-ST21-US17 | 1.61 (40.9) | 1.63 (41.3) | 0.59 (15.0) | 0.94 (24.0) | 0.87 (22.1) | 2900 (199) |
| 1 5/8-12 | 1 5/16-12 | -PRB-ST26-US21 | 1.98 (50.3) | 2.13 (54.0) | 0.59 (15.0) | 0.94 (24.0) | 1.09 (27.7) | 2300 (158) |
| 1 7/8-12 | 1 5/16-12 | -PRB-ST30-US21 | 1.27 (32.3) | 2.13 (54.0) | 0.59 (15.0) | 0.94 (24.0) | 1.23 (31.2) | 2300 (158) |

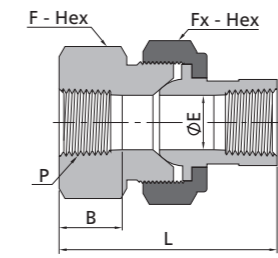
Hex Couplings



| Female NPT Threads | | | | | | | |
|-------------------------------|-------------|-----------------------|---------------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Px-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | Working Pressure psig (bar) | |
| | | | L | F | E | 316 SS, Steel | Brass |
| 1/16 | 1/16 | -PCG-NS1 | 0.78 (19.8) | 0.44 (11.1) | 0.19 (4.8) | 6700 (460) | 3300 (227) |
| 1/8 | 1/8 | -PCG-NS2 | 0.81 (20.6) | 0.56 (14.3) | 0.34 (8.6) | 6500 (447) | 3200 (220) |
| 1/4 | 1/8 | -PCG-NS4-NS2 | 1.22 (31.0) | 0.75 (19.1) | 0.34 (8.6) | 6600 (454) | 3300 (227) |
| 1/4 | 1/4 | -PCG-NS4 | 1.19 (30.2) | 0.75 (19.1) | 0.45 (11.4) | 6600 (454) | 3300 (227) |
| 3/8 | 1/4 | -PCG-NS6-NS4 | 1.38 (35.1) | 0.87 (22.2) | 0.45 (11.4) | 5300 (365) | 2600 (179) |
| 3/8 | 3/8 | -PCG-NS6 | 1.31 (33.3) | 0.87 (22.2) | 0.59 (15.0) | 5300 (365) | 2600 (179) |
| 1/2 | 1/8 | -PCG-NS8-NS2 | 1.56 (39.6) | 1.06 (27.0) | 0.34 (8.6) | 4900 (337) | 2400 (165) |
| 1/2 | 1/4 | -PCG-NS8-NS4 | 1.75 (44.4) | 1.06 (27.0) | 0.45 (11.4) | 4900 (337) | 2400 (165) |
| 1/2 | 3/8 | -PCG-NS8-NS6 | 1.78 (45.2) | 1.06 (27.0) | 0.59 (15.0) | 4900 (337) | 2400 (165) |
| 1/2 | 1/2 | -PCG-NS8 | 1.56 (39.6) | 1.06 (27.0) | 0.73 (18.5) | 4900 (337) | 2400 (165) |
| 3/4 | 1/4 | -PCG-NS12-NS4 | 1.81 (46.0) | 1.31 (33.3) | 0.45 (11.4) | 4600 (316) | 2300 (158) |
| 3/4 | 1/2 | -PCG-NS12-NS8 | 2.06 (52.3) | 1.31 (33.3) | 0.73 (18.5) | 4600 (316) | 2300 (158) |
| 3/4 | 3/4 | -PCG-NS12 | 1.62 (41.1) | 1.31 (33.3) | 0.94 (23.9) | 4600 (316) | 2300 (158) |
| 1 | 1/2 | -PCG-NS16-NS8 | 2.19 (55.6) | 1.63 (41.3) | 0.73 (18.5) | 4400 (303) | 2200 (151) |
| 1 | 3/4 | -PCG-NS16-NS12 | 2.25 (57.2) | 1.63 (41.3) | 0.94 (23.9) | 4400 (303) | 2200 (151) |
| 1 | 1 | -PCG-NS16 | 2.00 (50.8) | 1.63 (41.3) | 1.17 (29.7) | 4400 (303) | 2200 (151) |
| Heavy-Wall Female NPT Threads | | | | | | | |
| 1/4 | 1/4 | -PCG-NS4-10K | 1.19 (30.2) | | | 10000 (690) | / |
| 1/2 | 1/2 | -PCG-NS8-10K | 1.56 (39.6) | 1.50 (38.1) | 0.73 (18.5) | 10000 (690) | / |
| 1/2 | 1/4 | -PCG-NS8-NS4-10K | 1.75 (44.4) | 1.50 (38.1) | 0.45 (11.4) | 10000 (690) | / |

| Female ISO Tapered Threads | | | | | | | |
|----------------------------|------------|-----------------------|---------------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Px-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | Working Pressure psig (bar) | |
| | | | L | F | E | 316 SS, Steel | Brass |
| 1/8 | 1/8 | -PCG-RT2 | 0.81 (20.6) | 0.56 (14.3) | 0.33 (8.4) | 6500 (447) | 3200 (220) |
| 1/4 | 1/4 | -PCG-RT4 | 1.19 (30.2) | 0.75 (19.1) | 0.44 (11.2) | 6600 (454) | 3300 (227) |
| 3/8 | 1/4 | -PCG-RT6-RT4 | 1.38 (35.1) | 0.87 (22.2) | 0.44 (11.2) | 5300 (365) | 2600 (179) |
| 3/8 | 3/8 | -PCG-RT6 | 1.31 (33.3) | 0.87 (22.2) | 0.58 (14.7) | 5300 (365) | 2600 (179) |
| 1/2 | 1/4 | -PCG-RT8-RT4 | 1.75 (44.4) | 1.06 (27.0) | 0.44 (11.2) | 4900 (337) | 2400 (165) |
| 1/2 | 3/8 | -PCG-RT8-RT6 | 1.78 (45.2) | 1.06 (27.0) | 0.58 (14.7) | 4900 (337) | 2400 (165) |
| 1/2 | 1/2 | -PCG-RT8 | 1.56 (39.6) | 1.06 (27.0) | 0.72 (18.3) | 4900 (337) | 2400 (165) |

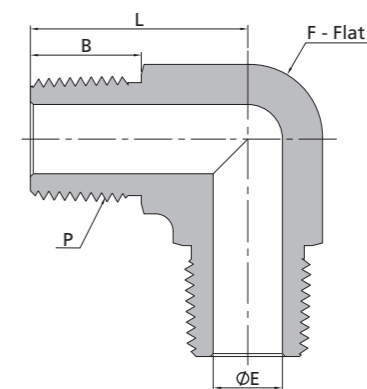
Union Ball Joints



| Female NPT Threads | | | | | | | |
|--------------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) |
| | | L | F | Fx | B | E | 316 SS, Steel |
| 1/8 | -UBJ-NS2 | 1.81 (46.0) | 0.94 (23.8) | 1.13 (28.6) | 0.41 (10.4) | 0.27 (6.8) | 8400 (578) |
| 1/4 | -UBJ-NS4 | 2.34 (59.4) | 1.19 (30.2) | 1.37 (34.9) | 0.59 (15.0) | 0.36 (9.1) | 6600 (454) |
| 3/8 | -UBJ-NS6 | 2.50 (63.5) | 1.31 (33.3) | 1.50 (38.1) | 0.59 (15.0) | 0.52 (13.2) | 5300 (365) |
| 1/2 | -UBJ-NS8 | 2.69 (68.3) | 1.63 (41.3) | 1.75 (44.5) | 0.78 (19.8) | 0.62 (15.7) | 6000 (410) |
| 3/4 | -UBJ-NS12 | 3.12 (79.2) | 1.87 (47.6) | 2.13 (54.0) | 0.81 (20.6) | 0.88 (22.4) | 4600 (316) |
| 1 | -UBJ-NS16 | 3.56 (90.4) | 2.37 (60.3) | 2.50 (63.5) | 1.00 (25.4) | 1.03 (26.2) | 6800 (468) |

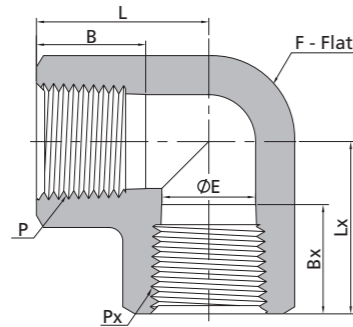
| Female ISO Tapered Threads | | | | | | | |
|----------------------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-----------------------------|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | Working Pressure psig (bar) |
| | | L | F | Fx | B | E | 316 SS, Steel |
| 1/8 | -UBJ-RT2 | 1.81 (46.0) | 0.94 (23.8) | 1.13 (28.6) | 0.41 (10.4) | 0.27 (6.8) | 8400 (578) |
| 1/4 | -UBJ-RT4 | 2.34 (59.4) | 1.19 (30.2) | 1.37 (34.9) | 0.59 (15.0) | 0.36 (9.1) | 6600 (454) |
| 3/8 | -UBJ-RT6 | 2.50 (63.5) | 1.31 (33.3) | 1.50 (38.1) | 0.59 (15.0) | 0.52 (13.2) | 5300 (365) |
| 1/2 | -UBJ-RT8 | 2.69 (68.3) | 1.63 (41.3) | 1.75 (44.5) | 0.78 (19.8) | 0.62 (15.7) | 6000 (410) |
| 3/4 | -UBJ-RT12 | 3.12 (79.2) | 1.87 (47.6) | 2.13 (54.0) | 0.81 (20.6) | 0.88 (22.4) | 4600 (316) |
| 1 | -UBJ-RT16 | 3.56 (90.4) | 2.37 (60.3) | 2.50 (63.5) | 1.00 (25.4) | 1.03 (26.2) | 6800 (468) |

Male Elbows



| Male NPT Threads | | | | | | | |
|------------------|-----------------------|---------------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | Working Pressure psig (bar) | |
| | | L | F | B | E | 316 SS, Steel | Brass |
| 1/16 | -PME-NS1 | 0.72 (18.3) | 0.37 (9.5) | 0.38 (9.7) | 0.12 (3.0) | 11000 (757) | 5500 (378) |
| 1/8 | -PME-NS2 | 0.88 (22.4) | 0.44 (11.1) | 0.38 (9.7) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/4 | -PME-NS4 | 1.05 (26.7) | 0.50 (12.7) | 0.56 (14.2) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/8 | -PME-NS6 | 1.17 (29.7) | 0.69 (17.5) | 0.56 (14.2) | 0.38 (9.6) | 7800 (537) | 3900 (268) |
| 1/2 | -PME-NS8 | 1.45 (36.8) | 0.81 (20.6) | 0.75 (19.1) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 3/4 | -PME-NS12 | 1.59 (40.4) | 1.06 (27.0) | 0.75 (19.1) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 1 | -PME-NS16 | 1.97 (50.0) | 1.37 (34.9) | 0.94 (23.9) | 0.88 (22.4) | 5300 (365) | 2600 (179) |

Female Elbows



| Female NPT Threads | | | | | | | | | | |
|--------------------|-------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Px-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
| | | | L | F | B | E | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | 1/16 | -PE-NS1 | 0.86 (21.8) | 0.44 (11.1) | 0.39 (9.9) | 0.19 (4.8) | 0.86 (21.8) | 0.39 (9.9) | 6700 (460) | 3300 (227) |
| 1/8 | 1/16 | -PE-NS2-NS1 | 1.04 (26.4) | 0.50 (12.7) | 0.41 (10.4) | 0.19 (4.8) | 1.04 (26.4) | 0.39 (9.9) | 6200 (427) | 3100 (213) |
| 1/8 | 1/8 | -PE-NS2 | 1.04 (26.4) | 0.50 (12.7) | 0.41 (10.4) | 0.28 (7.1) | 1.04 (26.4) | 0.41 (10.4) | 6200 (427) | 3100 (213) |
| 1/4 | 1/8 | -PE-NS4-NS2 | 1.17 (29.7) | 0.69 (17.5) | 0.59 (15.0) | 0.28 (7.1) | 1.17 (29.7) | 0.41 (10.4) | 7200 (496) | 3600 (248) |
| 1/4 | 1/4 | -PE-NS4 | 1.17 (29.7) | 0.69 (17.5) | 0.59 (15.0) | 0.41 (10.4) | 1.17 (29.7) | 0.59 (15.0) | 7200 (496) | 3600 (248) |
| 3/8 | 3/8 | -PE-NS6 | 1.42 (36.1) | 0.81 (20.6) | 0.59 (15.0) | 0.50 (12.7) | 1.42 (36.1) | 0.59 (15.0) | 5600 (385) | 2800 (192) |
| 1/2 | 1/2 | -PE-NS8 | 1.56 (39.6) | 1.00 (25.4) | 0.78 (19.8) | 0.67 (17.1) | 1.56 (39.6) | 0.78 (19.8) | 5600 (385) | 2800 (192) |
| 3/4 | 3/4 | -PE-NS12 | 1.92 (48.8) | 1.25 (31.8) | 0.81 (20.6) | 0.88 (22.4) | 1.92 (48.8) | 0.81 (20.6) | 5100 (351) | 2500 (172) |
| 1 | 1 | -PE-NS16 | 1.91 (48.5) | 1.69 (42.9) | 1.00 (25.4) | 1.11 (28.1) | 1.91 (48.5) | 1.00 (25.4) | 6400 (440) | 3200 (220) |
| 1 1/4 | 1 1/4 | -PE-NS20 | 2.35 (59.8) | 2.00 (50.8) | 1.00 (25.4) | 1.09 (27.7) | 2.35 (59.8) | 1.00 (25.4) | 3100 (213) | 1600 (110) |
| 1 1/2 | 1 1/2 | -PE-NS24 | 2.56 (65.0) | 2.50 (63.5) | 1.09 (27.7) | 1.34 (34.0) | 2.56 (65.0) | 1.09 (27.7) | 5100 (351) | 2500 (172) |

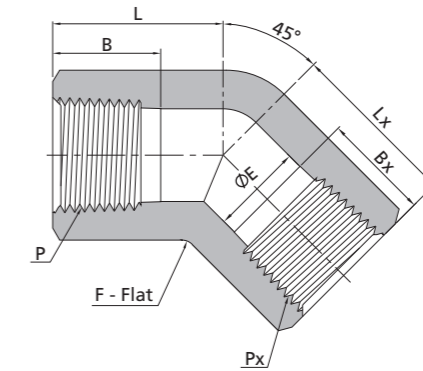
Heavy-Wall Female NPT Threads

| | | | | | | | | | | |
|-----|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|
| 1/4 | 1/4 | -PE-NS4-10K | 1.56 (39.6) | 1.00 (25.4) | 0.59 (15.0) | 0.45 (11.4) | 1.17 (29.7) | 0.59 (15.0) | 10000 (690) | / |
| 1/2 | 1/2 | -PE-NS8-10K | 1.97 (50.0) | 1.69 (42.9) | 0.78 (19.8) | 0.73 (18.5) | 1.56 (39.6) | 0.78 (19.8) | 10000 (690) | / |

Female ISO Tapered Threads

| P-RT Size | Px-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
|-----------|------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| | | | L | F | B | E | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | 1/16 | -PE-RT1 | 0.86 (21.8) | 0.44 (11.1) | 0.39 (9.9) | 0.19 (4.8) | 0.86 (21.8) | 0.39 (9.9) | 6700 (460) | 3300 (227) |
| 1/8 | 1/16 | -PE-RT2-RT1 | 1.04 (26.4) | 0.50 (12.7) | 0.41 (10.4) | 0.19 (4.8) | 1.04 (26.4) | 0.39 (9.9) | 6200 (427) | 3100 (213) |
| 1/8 | 1/8 | -PE-RT2 | 1.04 (26.4) | 0.50 (12.7) | 0.41 (10.4) | 0.28 (7.1) | 1.04 (26.4) | 0.41 (10.4) | 6200 (427) | 3100 (213) |
| 1/4 | 1/8 | -PE-RT4-RT2 | 1.17 (29.7) | 0.69 (17.5) | 0.59 (15.0) | 0.28 (7.1) | 1.17 (29.7) | 0.41 (10.4) | 7200 (496) | 3600 (248) |
| 1/4 | 1/4 | -PE-RT4 | 1.17 (29.7) | 0.69 (17.5) | 0.59 (15.0) | 0.41 (10.4) | 1.17 (29.7) | 0.59 (15.0) | 7200 (496) | 3600 (248) |
| 3/8 | 3/8 | -PE-RT6 | 1.42 (36.1) | 0.81 (20.6) | 0.59 (15.0) | 0.50 (12.7) | 1.42 (36.1) | 0.59 (15.0) | 5600 (385) | 2800 (192) |
| 1/2 | 1/2 | -PE-RT8 | 1.56 (39.6) | 1.00 (25.4) | 0.78 (19.8) | 0.67 (17.1) | 1.56 (39.6) | 0.78 (19.8) | 5600 (385) | 2800 (192) |
| 3/4 | 3/4 | -PE-RT12 | 1.92 (48.8) | 1.25 (31.8) | 0.81 (20.6) | 0.88 (22.4) | 1.92 (48.8) | 0.81 (20.6) | 5100 (351) | 2500 (172) |
| 1 | 1 | -PE-RT16 | 1.91 (48.5) | 1.69 (42.9) | 1.00 (25.4) | 1.11 (28.1) | 1.91 (48.5) | 1.00 (25.4) | 6400 (440) | 3200 (220) |
| 1 1/4 | 1 1/4 | -PE-RT20 | 2.35 (59.8) | 2.00 (50.8) | 1.00 (25.4) | 1.09 (27.7) | 2.35 (59.8) | 1.00 (25.4) | 3100 (213) | 1600 (110) |
| 1 1/2 | 1 1/2 | -PE-RT24 | 2.56 (65.0) | 2.50 (63.5) | 1.09 (27.7) | 1.34 (34.0) | 2.56 (65.0) | 1.09 (27.7) | 5100 (351) | 2500 (172) |

45° Female Elbows

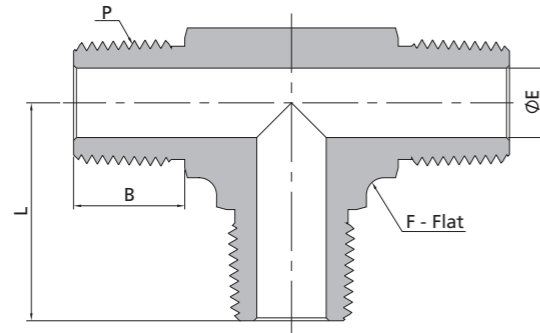


| Female NPT Threads | | | | | | | | | | |
|--------------------|-------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Px-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
| | | | L | F | B | E | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | 1/16 | -PVE-NS1 | 0.66 (16.8) | 0.44 (11.1) | 0.39 (9.9) | 0.19 (4.8) | 0.66 (16.8) | 0.39 (9.9) | 6700 (460) | 3300 (227) |
| 1/8 | 1/16 | -PVE-NS2-NS1 | 0.80 (20.2) | 0.50 (12.7) | 0.41 (10.4) | 0.19 (4.8) | 0.80 (20.2) | 0.39 (9.9) | 6200 (427) | 3100 (213) |
| 1/8 | 1/8 | -PVE-NS2 | 0.80 (20.2) | 0.50 (12.7) | 0.41 (10.4) | 0.28 (7.1) | 0.80 (20.2) | 0.41 (10.4) | 6200 (427) | 3100 (213) |
| 1/4 | 1/8 | -PVE-NS4-NS2 | 1.00 (25.4) | 0.69 (17.5) | 0.59 (15.0) | 0.28 (7.1) | 1.00 (25.4) | 0.41 (10.4) | 7200 (496) | 3600 (248) |
| 1/4 | 1/4 | -PVE-NS4 | 1.00 (25.4) | 0.69 (17.5) | 0.59 (15.0) | 0.41 (10.4) | 1.00 (25.4) | 0.59 (15.0) | 7200 (496) | 3600 (248) |
| 3/8 | 3/8 | -PVE-NS6 | 1.06 (27.0) | 0.81 (20.6) | 0.59 (15.0) | 0.50 (12.7) | 1.06 (27.0) | 0.59 (15.0) | 5600 (385) | 2800 (192) |
| 1/2 | 1/2 | -PVE-NS8 | 1.26 (32.0) | 1.00 (25.4) | 0.78 (19.8) | 0.67 (17.1) | 1.26 (32.0) | 0.78 (19.8) | 5600 (385) | 2800 (192) |
| 3/4 | 3/4 | -PVE-NS12 | 1.36 (34.5) | 1.25 (31.8) | 0.81 (20.6) | 0.88 (22.4) | 1.36 (34.5) | 0.81 (20.6) | 5100 (351) | 2500 (172) |
| 1 | 1 | -PVE-NS16 | 1.81 (46.0) | 1.69 (42.9) | 1.00 (25.4) | 1.11 (28.1) | 1.81 (46.0) | 1.00 (25.4) | 6400 (440) | 3200 (220) |
| 1 1/4 | 1 1/4 | -PVE-NS20 | 1.70 (43.2) | 2.00 (50.8) | 1.00 (25.4) | 1.09 (27.7) | 1.70 (43.2) | 1.00 (25.4) | 3100 (213) | 1600 (110) |
| 1 1/2 | 1 1/2 | -PVE-NS24 | 1.81 (46.0) | 2.50 (63.5) | 1.09 (27.7) | 1.34 (34.0) | 1.81 (46.0) | 1.09 (27.7) | 5100 (351) | 2500 (172) |

Female ISO Tapered Threads

| P-RT Size | Px-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
|-----------|------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| | | | L | F | B | E | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | 1/16 | -PVE-RT1 | 0.66 (16.8) | 0.44 (11.1) | 0.39 (9.9) | 0.19 (4.8) | 0.66 (16.8) | 0.39 (9.9) | 6700 (460) | 3300 (227) |
| 1/8 | 1/16 | -PVE-RT2-RT1 | 0.80 (20.2) | 0.50 (12.7) | 0.41 (10.4) | 0.19 (4.8) | 0.80 (20.2) | 0.39 (9.9) | 6200 (427) | 3100 (213) |
| 1/8 | 1/8 | -PVE-RT2 | 0.80 (20.2) | 0.50 (12.7) | 0.41 (10.4) | 0.28 (7.1) | 0.80 (20.2) | 0.41 (10.4) | 6200 (427) | 3100 (213) |
| 1/4 | 1/8 | -PVE-RT4-RT2 | 1.00 (25.4) | 0.69 (17.5) | 0.59 (15.0) | 0.28 (7.1) | 1.00 (25.4) | 0.41 (10.4) | 7200 (496) | 3600 (248) |
| 1/4 | 1/4 | -PVE-RT4 | 1.00 (25.4) | 0.69 (17.5) | 0.59 (15.0) | 0.41 (10.4) | 1.00 (25.4) | 0.59 (15.0) | 7200 (496) | 3600 (248) |
| 3/8 | 3/8 | -PVE-RT6 | 1.06 (27.0) | 0.81 (20.6) | 0.59 (15.0) | 0.50 (12.7) | 1.06 (27.0) | 0.59 (15.0) | 5600 (385) | 2800 (192) |
| 1/2 | 1/2 | -PVE-RT8 | 1.26 (32.0) | 1.00 (25.4) | 0.78 (19.8) | 0.67 (17.1) | 1.26 (32.0) | 0.78 (19.8) | 5600 (385) | 2800 (192) |
| 3/4 | 3/4 | -PVE-RT12 | 1.36 (34.5) | 1.25 (31.8) | 0.81 (20.6) | 0.88 (22.4) | 1.36 (34.5) | 0.81 (20.6) | 5100 (351) | 2500 (172) |
| 1 | 1 | -PVE-RT16 | 1.81 (46.0) | 1.69 (42.9) | 1.00 (25.4) | 1.11 (28.1) | 1.81 (46.0) | 1.00 (25.4) | 6400 (440) | 3200 (220) |
| 1 1/4 | 1 1/4 | -PVE-RT20 | 1.70 (43.2) | 2.00 (50.8) | 1.00 (25.4) | 1.09 (27.7) | 1.70 (43.2) | 1.00 (25.4) | 3100 (213) | 1600 (110) |
| 1 1/2 | 1 1/2 | -PVE-RT24 | 1.81 (46.0) | 2.50 (63.5) | 1.09 (27.7) | 1.34 (34.0) | 1.81 (46.0) | 1.09 (27.7) | 5100 (351) | 2500 (172) |

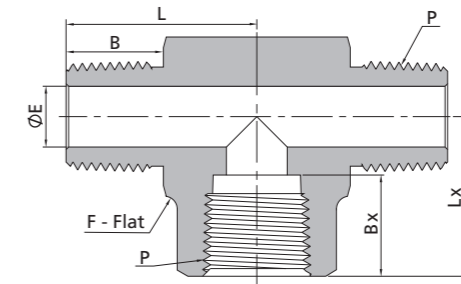
Male Tees



| Male NPT Threads | | | | | | | |
|------------------|-----------------------|---------------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | Working Pressure psig (bar) | |
| | | L | F | B | E | 316 SS, Steel | Brass |
| 1/16 | -PMT-NS1 | 0.72 (18.3) | 0.37 (9.5) | 0.38 (9.7) | 0.12 (3.0) | 11000 (757) | 5500 (378) |
| 1/8 | -PMT-NS2 | 0.88 (22.4) | 0.44 (11.1) | 0.38 (9.7) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/4 | -PMT-NS4 | 1.05 (26.7) | 0.50 (12.7) | 0.56 (14.2) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/8 | -PMT-NS6 | 1.17 (29.7) | 0.69 (17.5) | 0.56 (14.2) | 0.38 (9.6) | 7800 (537) | 3900 (268) |
| 1/2 | -PMT-NS8 | 1.45 (36.8) | 0.81 (20.6) | 0.75 (19.1) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 3/4 | -PMT-NS12 | 1.67 (42.4) | 1.06 (27.0) | 0.75 (19.1) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 1 | -PMT-NS16 | 1.94 (49.3) | 1.37 (34.9) | 0.94 (23.9) | 0.88 (22.4) | 5300 (365) | 2600 (179) |
| 1 1/4 | -PMT-NS20 | 2.22 (56.4) | 1.69 (42.9) | 0.94 (23.9) | 1.09 (27.7) | 6000 (410) | 3000 (200) |
| 1 1/2 | -PMT-NS24 | 2.64 (67.1) | 1.87 (47.6) | 1.03 (26.2) | 1.34 (34.0) | 5000 (344) | 2500 (172) |

| Male ISO Tapered Threads | | | | | | | |
|--------------------------|-----------------------|---------------------|-------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | Working Pressure psig (bar) | |
| | | L | F | B | E | 316 SS, Steel | Brass |
| 1/16 | -PMT-RT1 | 0.72 (18.3) | 0.37 (9.5) | 0.38 (9.7) | 0.12 (3.0) | 11000 (757) | 5500 (378) |
| 1/8 | -PMT-RT2 | 0.88 (22.4) | 0.44 (11.1) | 0.38 (9.7) | 0.19 (4.8) | 10000 (690) | 5000 (344) |
| 1/4 | -PMT-RT4 | 1.05 (26.7) | 0.50 (12.7) | 0.56 (14.2) | 0.28 (7.1) | 8000 (551) | 4000 (275) |
| 3/8 | -PMT-RT6 | 1.17 (29.7) | 0.69 (17.5) | 0.56 (14.2) | 0.38 (9.6) | 7800 (537) | 3900 (268) |
| 1/2 | -PMT-RT8 | 1.45 (36.8) | 0.81 (20.6) | 0.75 (19.1) | 0.47 (11.9) | 7700 (530) | 3800 (261) |
| 3/4 | -PMT-RT12 | 1.67 (42.4) | 1.06 (27.0) | 0.75 (19.1) | 0.62 (15.7) | 7300 (502) | 3600 (248) |
| 1 | -PMT-RT16 | 1.94 (49.3) | 1.37 (34.9) | 0.94 (23.9) | 0.88 (22.4) | 5300 (365) | 2600 (179) |
| 1 1/4 | -PMT-RT20 | 2.22 (56.4) | 1.69 (42.9) | 0.94 (23.9) | 1.09 (27.7) | 6000 (410) | 3000 (200) |
| 1 1/2 | -PMT-RT24 | 2.64 (67.1) | 1.87 (47.6) | 1.03 (26.2) | 1.34 (34.0) | 5000 (344) | 2500 (172) |

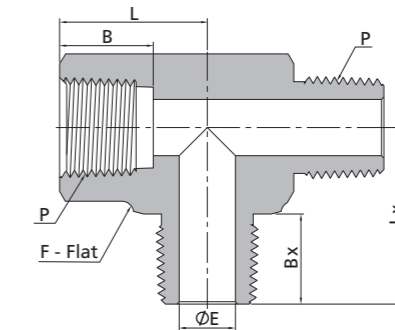
Female Branch Tees



| NPT Threads | | | | | | | | | |
|-------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | -PTB-NS1 | 0.72 (18.3) | 0.44 (11.1) | 0.12 (3.0) | 0.38 (9.7) | 0.86 (21.8) | 0.39 (9.9) | 9200 (633) | 4600 (316) |
| 1/8 | -PTB-NS2 | 0.87 (22.1) | 0.50 (12.7) | 0.19 (4.8) | 0.38 (9.7) | 1.04 (26.4) | 0.41 (10.4) | 6200 (427) | 3100 (213) |
| 1/4 | -PTB-NS4 | 1.17 (29.7) | 0.69 (17.5) | 0.28 (7.1) | 0.56 (14.2) | 1.17 (29.7) | 0.59 (15.0) | 7200 (496) | 3600 (248) |
| 3/8 | -PTB-NS6 | 1.26 (32.0) | 0.81 (20.6) | 0.38 (9.6) | 0.56 (14.2) | 1.42 (36.1) | 0.59 (15.0) | 5600 (385) | 2800 (192) |
| 1/2 | -PTB-NS8 | 1.56 (39.6) | 1.00 (25.4) | 0.47 (11.9) | 0.75 (19.1) | 1.56 (39.6) | 0.78 (19.8) | 5600 (385) | 2800 (192) |
| 3/4 | -PTB-NS12 | 1.67 (42.4) | 1.25 (31.8) | 0.62 (15.7) | 0.75 (19.1) | 1.92 (48.8) | 0.81 (20.6) | 5100 (351) | 2500 (172) |
| 1 | -PTB-NS16 | 1.94 (49.3) | 1.69 (42.9) | 0.88 (22.4) | 0.94 (23.9) | 1.91 (48.5) | 1.00 (25.4) | 5300 (365) | 2600 (179) |

| ISO Tapered Threads | | | | | | | | | |
|---------------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | -PTB-RT1 | 0.72 (18.3) | 0.44 (11.1) | 0.12 (3.0) | 0.38 (9.7) | 0.86 (21.8) | 0.39 (9.9) | 9200 (633) | 4600 (316) |
| 1/8 | -PTB-RT2 | 0.87 (22.1) | 0.50 (12.7) | 0.19 (4.8) | 0.38 (9.7) | 1.04 (26.4) | 0.41 (10.4) | 6200 (427) | 3100 (213) |
| 1/4 | -PTB-RT4 | 1.17 (29.7) | 0.69 (17.5) | 0.28 (7.1) | 0.56 (14.2) | 1.17 (29.7) | 0.59 (15.0) | 7200 (496) | 3600 (248) |
| 3/8 | -PTB-RT6 | 1.26 (32.0) | 0.81 (20.6) | 0.38 (9.6) | 0.56 (14.2) | 1.42 (36.1) | 0.59 (15.0) | 5600 (385) | 2800 (192) |
| 1/2 | -PTB-RT8 | 1.56 (39.6) | 1.00 (25.4) | 0.47 (11.9) | 0.75 (19.1) | 1.56 (39.6) | 0.78 (19.8) | 5600 (385) | 2800 (192) |
| 3/4 | -PTB-RT12 | 1.67 (42.4) | 1.25 (31.8) | 0.62 (15.7) | 0.75 (19.1) | 1.92 (48.8) | 0.81 (20.6) | 5100 (351) | 2500 (172) |
| 1 | -PTB-RT16 | 1.94 (49.3) | 1.69 (42.9) | 0.88 (22.4) | 0.94 (23.9) | 1.91 (48.5) | 1.00 (25.4) | 5300 (365) | 2600 (179) |

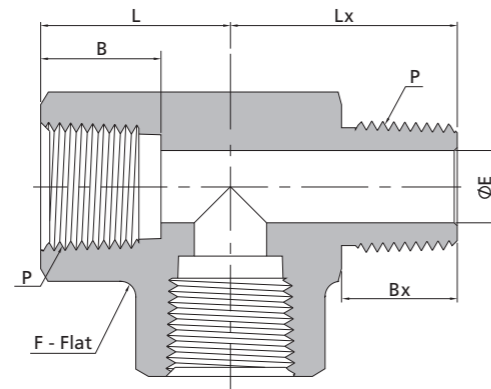
Female Run Tees



| NPT Threads | | | | | | | | | |
|-------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | -PTR-NS1 | 0.86 (21.8) | 0.44 (11.1) | 0.12 (3.0) | 0.39 (9.9) | 0.72 (18.3) | 0.38 (9.7) | 9200 (633) | 4600 (316) |
| 1/8 | -PTR-NS2 | 1.04 (26.4) | 0.50 (12.7) | 0.19 (4.8) | 0.41 (10.4) | 0.87 (22.1) | 0.38 (9.7) | 6200 (427) | 3100 (213) |
| 1/4 | -PTR-NS4 | 1.17 (29.7) | 0.69 (17.5) | 0.28 (7.1) | 0.59 (15.0) | 1.17 (29.7) | 0.56 (14.2) | 7200 (496) | 3600 (248) |
| 3/8 | -PTR-NS6 | 1.42 (36.1) | 0.81 (20.6) | 0.38 (9.6) | 0.59 (15.0) | 1.26 (32.0) | 0.56 (14.2) | 5600 (385) | 2800 (192) |
| 1/2 | -PTR-NS8 | 1.56 (39.6) | 1.00 (25.4) | 0.47 (11.9) | 0.78 (19.8) | 1.56 (39.6) | 0.75 (19.1) | 5600 (385) | 2800 (192) |
| 3/4 | -PTR-NS12 | 1.92 (48.8) | 1.25 (31.8) | 0.62 (15.7) | 0.81 (20.6) | 1.67 (42.4) | 0.75 (19.1) | 5100 (351) | 2500 (172) |
| 1 | -PTR-NS16 | 1.91 (48.5) | 1.69 (42.9) | 0.88 (22.4) | 1.00 (25.4) | 1.94 (49.3) | 0.94 (23.9) | 5300 (365) | 2600 (179) |

| ISO Tapered Threads | | | | | | | | | |
|---------------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | -PTR-RT1 | 0.86 (21.8) | 0.44 (11.1) | 0.12 (3.0) | 0.39 (9.9) | 0.72 (18.3) | 0.38 (9.7) | 9200 (633) | 4600 (316) |
| 1/8 | -PTR-RT2 | 1.04 (26.4) | 0.50 (12.7) | 0.19 (4.8) | 0.41 (10.4) | 0.87 (22.1) | 0.38 (9.7) | 6200 (427) | 3100 (213) |
| 1/4 | -PTR-RT4 | 1.17 (29.7) | 0.69 (17.5) | 0.28 (7.1) | 0.59 (15.0) | 1.17 (29.7) | 0.56 (14.2) | 7200 (496) | 3600 (248) |
| 3/8 | -PTR-RT6 | 1.42 (36.1) | 0.81 (20.6) | 0.38 (9.6) | 0.59 (15.0) | 1.26 (32.0) | 0.56 (14.2) | 5600 (385) | 2800 (192) |
| 1/2 | -PTR-RT8 | 1.56 (39.6) | 1.00 (25.4) | 0.47 (11.9) | 0.78 (19.8) | 1.56 (39.6) | 0.75 (19.1) | 5600 (385) | 2800 (192) |
| 3/4 | -PTR-RT12 | 1.92 (48.8) | 1.25 (31.8) | 0.62 (15.7) | 0.81 (20.6) | 1.67 (42.4) | 0.75 (19.1) | 5100 (351) | 2500 (172) |
| 1 | -PTR-RT16 | 1.91 (48.5) | 1.69 (42.9) | 0.88 (22.4) | 1.00 (25.4) | 1.94 (49.3) | 0.94 (23.9) | 5300 (365) | 2600 (179) |

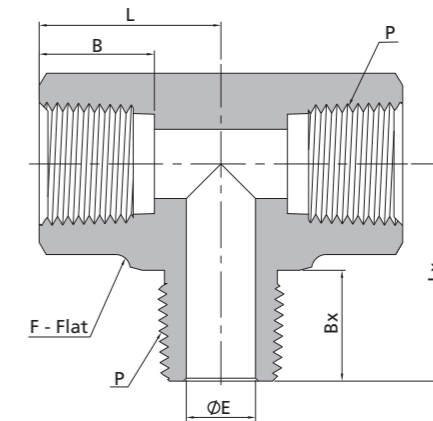
Male Street Tees



| NPT Threads | | | | | | | | | |
|-------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | -PST-NS1 | 0.86 (21.8) | 0.44 (11.1) | 0.12 (3.0) | 0.39 (9.9) | 0.72 (18.3) | 0.38 (9.7) | 9200 (633) | 4600 (316) |
| 1/8 | -PST-NS2 | 1.04 (26.4) | 0.50 (12.7) | 0.19 (4.8) | 0.41 (10.4) | 0.87 (22.1) | 0.38 (9.7) | 6200 (427) | 3100 (213) |
| 1/4 | -PST-NS4 | 1.17 (29.7) | 0.69 (17.5) | 0.28 (7.1) | 0.59 (15.0) | 1.17 (29.7) | 0.56 (14.2) | 7200 (496) | 3600 (248) |
| 3/8 | -PST-NS6 | 1.42 (36.1) | 0.81 (20.6) | 0.38 (9.6) | 0.59 (15.0) | 1.26 (32.0) | 0.56 (14.2) | 5600 (385) | 2800 (192) |
| 1/2 | -PST-NS8 | 1.56 (39.6) | 1.00 (25.4) | 0.47 (11.9) | 0.78 (19.8) | 1.56 (39.6) | 0.75 (19.1) | 5600 (385) | 2800 (192) |
| 3/4 | -PST-NS12 | 1.92 (48.8) | 1.25 (31.8) | 0.62 (15.7) | 0.81 (20.6) | 1.67 (42.4) | 0.75 (19.1) | 5100 (351) | 2500 (172) |
| 1 | -PST-NS16 | 1.91 (48.5) | 1.69 (42.9) | 0.88 (22.4) | 1.00 (25.4) | 1.94 (49.3) | 0.94 (23.9) | 5300 (365) | 2600 (179) |

| ISO Tapered Threads | | | | | | | | | |
|---------------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | -PST-RT1 | 0.86 (21.8) | 0.44 (11.1) | 0.12 (3.0) | 0.39 (9.9) | 0.72 (18.3) | 0.38 (9.7) | 9200 (633) | 4600 (316) |
| 1/8 | -PST-RT2 | 1.04 (26.4) | 0.50 (12.7) | 0.19 (4.8) | 0.41 (10.4) | 0.87 (22.1) | 0.38 (9.7) | 6200 (427) | 3100 (213) |
| 1/4 | -PST-RT4 | 1.17 (29.7) | 0.69 (17.5) | 0.28 (7.1) | 0.59 (15.0) | 1.17 (29.7) | 0.56 (14.2) | 7200 (496) | 3600 (248) |
| 3/8 | -PST-RT6 | 1.42 (36.1) | 0.81 (20.6) | 0.38 (9.6) | 0.59 (15.0) | 1.26 (32.0) | 0.56 (14.2) | 5600 (385) | 2800 (192) |
| 1/2 | -PST-RT8 | 1.56 (39.6) | 1.00 (25.4) | 0.47 (11.9) | 0.78 (19.8) | 1.56 (39.6) | 0.75 (19.1) | 5600 (385) | 2800 (192) |
| 3/4 | -PST-RT12 | 1.92 (48.8) | 1.25 (31.8) | 0.62 (15.7) | 0.81 (20.6) | 1.67 (42.4) | 0.75 (19.1) | 5100 (351) | 2500 (172) |
| 1 | -PST-RT16 | 1.91 (48.5) | 1.69 (42.9) | 0.88 (22.4) | 1.00 (25.4) | 1.94 (49.3) | 0.94 (23.9) | 5300 (365) | 2600 (179) |

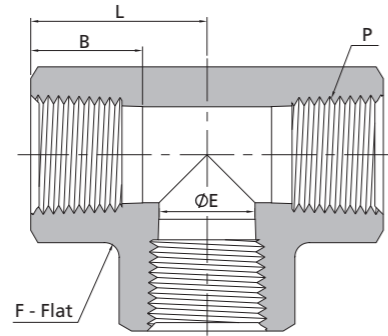
Male Branch Tees



| NPT Threads | | | | | | | | | |
|-------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | -PBT-NS1 | 0.86 (21.8) | 0.44 (11.1) | 0.12 (3.0) | 0.39 (9.9) | 0.72 (18.3) | 0.38 (9.7) | 9200 (633) | 4600 (316) |
| 1/8 | -PBT-NS2 | 1.04 (26.4) | 0.50 (12.7) | 0.19 (4.8) | 0.41 (10.4) | 0.87 (22.1) | 0.38 (9.7) | 6200 (427) | 3100 (213) |
| 1/4 | -PBT-NS4 | 1.17 (29.7) | 0.69 (17.5) | 0.28 (7.1) | 0.59 (15.0) | 1.17 (29.7) | 0.56 (14.2) | 7200 (496) | 3600 (248) |
| 3/8 | -PBT-NS6 | 1.42 (36.1) | 0.81 (20.6) | 0.38 (9.6) | 0.59 (15.0) | 1.26 (32.0) | 0.56 (14.2) | 5600 (385) | 2800 (192) |
| 1/2 | -PBT-NS8 | 1.56 (39.6) | 1.00 (25.4) | 0.47 (11.9) | 0.78 (19.8) | 1.56 (39.6) | 0.75 (19.1) | 5600 (385) | 2800 (192) |
| 3/4 | -PBT-NS12 | 1.92 (48.8) | 1.25 (31.8) | 0.62 (15.7) | 0.81 (20.6) | 1.67 (42.4) | 0.75 (19.1) | 5100 (351) | 2500 (172) |
| 1 | -PBT-NS16 | 1.91 (48.5) | 1.69 (42.9) | 0.88 (22.4) | 1.00 (25.4) | 1.94 (49.3) | 0.94 (23.9) | 5300 (365) | 2600 (179) |

| ISO Tapered Threads | | | | | | | | | |
|---------------------|-----------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | Lx | Bx | 316 SS, Steel | Brass |
| 1/16 | -PBT-RT1 | 0.86 (21.8) | 0.44 (11.1) | 0.12 (3.0) | 0.39 (9.9) | 0.72 (18.3) | 0.38 (9.7) | 9200 (633) | 4600 (316) |
| 1/8 | -PBT-RT2 | 1.04 (26.4) | 0.50 (12.7) | 0.19 (4.8) | 0.41 (10.4) | 0.87 (22.1) | 0.38 (9.7) | 6200 (427) | 3100 (213) |
| 1/4 | -PBT-RT4 | 1.17 (29.7) | 0.69 (17.5) | 0.28 (7.1) | 0.59 (15.0) | 1.17 (29.7) | 0.56 (14.2) | 7200 (496) | 3600 (248) |
| 3/8 | -PBT-RT6 | 1.42 (36.1) | 0.81 (20.6) | 0.38 (9.6) | 0.59 (15.0) | 1.26 (32.0) | 0.56 (14.2) | 5600 (385) | 2800 (192) |
| 1/2 | -PBT-RT8 | 1.56 (39.6) | 1.00 (25.4) | 0.47 (11.9) | 0.78 (19.8) | 1.56 (39.6) | 0.75 (19.1) | 5600 (385) | 2800 (192) |
| 3/4 | -PBT-RT12 | 1.92 (48.8) | 1.25 (31.8) | 0.62 (15.7) | 0.81 (20.6) | 1.67 (42.4) | 0.75 (19.1) | 5100 (351) | 2500 (172) |
| 1 | -PBT-RT16 | 1.91 (48.5) | 1.69 (42.9) | 0.88 (22.4) | 1.00 (25.4) | 1.94 (49.3) | 0.94 (23.9) | 5300 (365) | 2600 (179) |

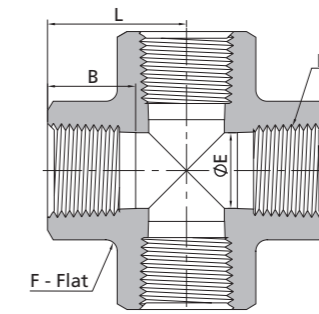
Female Tees



| Female NPT Threads | | | | | | | |
|-------------------------------|-----------------------|---------------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | 316 SS, Steel | Brass |
| 1/16 | -PT-NS1 | 0.86 (21.8) | 0.44 (11.1) | 0.19 (4.8) | 0.39 (9.9) | 6700 (460) | 3300 (227) |
| 1/8 | -PT-NS2 | 1.04 (26.4) | 0.50 (12.7) | 0.34 (8.6) | 0.41 (10.4) | 6200 (427) | 3100 (213) |
| 1/4 | -PT-NS4 | 1.17 (29.7) | 0.69 (17.5) | 0.45 (11.4) | 0.59 (15.0) | 7200 (496) | 3600 (248) |
| 3/8 | -PT-NS6 | 1.42 (36.1) | 0.81 (20.6) | 0.59 (15.0) | 0.59 (15.0) | 5600 (385) | 2800 (192) |
| 1/2 | -PT-NS8 | 1.56 (39.6) | 1.00 (25.4) | 0.73 (18.5) | 0.78 (19.8) | 5600 (385) | 2800 (192) |
| 3/4 | -PT-NS12 | 1.92 (48.8) | 1.25 (31.8) | 0.94 (23.9) | 0.81 (20.6) | 5100 (351) | 2500 (172) |
| 1 | -PT-NS16 | 1.91 (48.5) | 1.69 (42.9) | 1.17 (29.7) | 1.00 (25.4) | 6400 (440) | 3200 (220) |
| 1 1/4 | -PT-NS20 | 2.35 (59.8) | 2.00 (50.8) | 1.46 (37.2) | 1.00 (25.4) | 3100 (213) | 1600 (110) |
| 1 1/2 | -PT-NS24 | 2.56 (65.0) | 2.50 (63.5) | 1.70 (43.3) | 1.09 (27.7) | 5100 (351) | 2500 (172) |
| Heavy-Wall Female NPT Threads | | | | | | | |
| 1/4 | -PT-NS4-10K | 1.56 (39.6) | 1.00 (25.4) | 0.45 (11.4) | 0.59 (15.0) | 10000 (690) | / |
| 1/2 | -PT-NS8-10K | 1.97 (50.0) | 1.69 (42.9) | 0.73 (18.5) | 0.78 (19.8) | 10000 (690) | / |

| Female ISO Tapered Threads | | | | | | | |
|----------------------------|-----------------------|---------------------|-------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | 316 SS, Steel | Brass |
| 1/16 | -PT-RT1 | 0.86 (21.8) | 0.44 (11.1) | 0.19 (4.8) | 0.39 (9.9) | 6700 (460) | 3300 (227) |
| 1/8 | -PT-RT2 | 1.04 (26.4) | 0.50 (12.7) | 0.34 (8.6) | 0.41 (10.4) | 6200 (427) | 3100 (213) |
| 1/4 | -PT-RT4 | 1.17 (29.7) | 0.69 (17.5) | 0.44 (11.2) | 0.59 (15.0) | 7200 (496) | 3600 (248) |
| 3/8 | -PT-RT6 | 1.42 (36.1) | 0.81 (20.6) | 0.58 (14.7) | 0.59 (15.0) | 5600 (385) | 2800 (192) |
| 1/2 | -PT-RT8 | 1.56 (39.6) | 1.00 (25.4) | 0.72 (18.3) | 0.78 (19.8) | 5600 (385) | 2800 (192) |
| 3/4 | -PT-RT12 | 1.92 (48.8) | 1.25 (31.8) | 0.94 (23.9) | 0.81 (20.6) | 5100 (351) | 2500 (172) |
| 1 | -PT-RT16 | 1.91 (48.5) | 1.69 (42.9) | 1.17 (29.7) | 1.00 (25.4) | 6400 (440) | 3200 (220) |
| 1 1/4 | -PT-RT20 | 2.35 (59.8) | 2.00 (50.8) | 1.46 (37.2) | 1.00 (25.4) | 3100 (213) | 1600 (110) |
| 1 1/2 | -PT-RT24 | 2.56 (65.0) | 2.50 (63.5) | 1.70 (43.3) | 1.09 (27.7) | 5100 (351) | 2500 (172) |

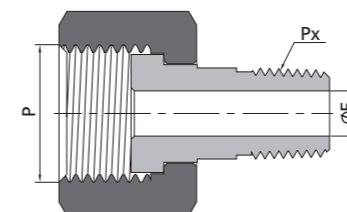
Female Crosses



| Female NPT Threads | | | | | | | |
|--------------------|-----------------------|---------------------|-------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | 316 SS, Steel | Brass |
| 1/16 | -PCR-NS1 | 0.86 (21.8) | 0.44 (11.1) | 0.19 (4.8) | 0.39 (9.9) | 6700 (460) | 3300 (227) |
| 1/8 | -PCR-NS2 | 1.04 (26.4) | 0.50 (12.7) | 0.34 (8.6) | 0.41 (10.4) | 6200 (427) | 3100 (213) |
| 1/4 | -PCR-NS4 | 1.17 (29.7) | 0.69 (17.5) | 0.45 (11.4) | 0.59 (15.0) | 7200 (496) | 3600 (248) |
| 3/8 | -PCR-NS6 | 1.42 (36.1) | 0.81 (20.6) | 0.59 (15.0) | 0.59 (15.0) | 5600 (385) | 2800 (192) |
| 1/2 | -PCR-NS8 | 1.56 (39.6) | 1.00 (25.4) | 0.73 (18.5) | 0.78 (19.8) | 5600 (385) | 2800 (192) |
| 3/4 | -PCR-NS12 | 1.92 (48.8) | 1.25 (31.8) | 0.94 (23.9) | 0.81 (20.6) | 5100 (351) | 2500 (172) |
| 1 | -PCR-NS16 | 1.91 (48.5) | 1.69 (42.9) | 1.17 (29.7) | 1.00 (25.4) | 6400 (440) | 3200 (220) |

| Female ISO Tapered Threads | | | | | | | |
|----------------------------|-----------------------|---------------------|-------------|-------------|-------------|-----------------------------|------------|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | Working Pressure psig (bar) | |
| | | L | F | E | B | 316 SS, Steel | Brass |
| 1/16 | -PCR-RT1 | 0.86 (21.8) | 0.44 (11.1) | 0.19 (4.8) | 0.39 (9.9) | 6700 (460) | 3300 (227) |
| 1/8 | -PCR-RT2 | 1.04 (26.4) | 0.50 (12.7) | 0.34 (8.6) | 0.41 (10.4) | 6200 (427) | 3100 (213) |
| 1/4 | -PCR-RT4 | 1.17 (29.7) | 0.69 (17.5) | 0.45 (11.4) | 0.59 (15.0) | 7200 (496) | 3600 (248) |
| 3/8 | -PCR-RT6 | 1.42 (36.1) | 0.81 (20.6) | 0.59 (15.0) | 0.59 (15.0) | 5600 (385) | 2800 (192) |
| 1/2 | -PCR-RT8 | 1.56 (39.6) | 1.00 (25.4) | 0.73 (18.5) | 0.78 (19.8) | 5600 (385) | 2800 (192) |
| 3/4 | -PCR-RT12 | 1.92 (48.8) | 1.25 (31.8) | 0.94 (23.9) | 0.81 (20.6) | 5100 (351) | 2500 (172) |
| 1 | -PCR-RT16 | 1.91 (48.5) | 1.69 (42.9) | 1.17 (29.7) | 1.00 (25.4) | 6400 (440) | 3200 (220) |

Pipe to Pipe Unions

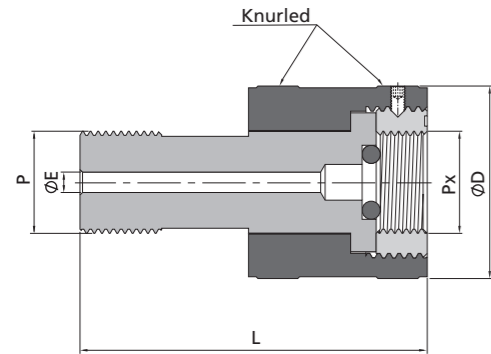


| Metric Threads | | | | NPT Threads | |
|----------------------|-------------|-----------------------|---------------------|-----------------------------|--|
| P-Metric Thread Size | Px-NPT Size | Basic Ordering Number | Dimension, in. (mm) | Working Pressure psig (bar) | |
| | | | E | 316 SS, Steel | |
| M20 x 1.5 | 1/8 | -PUP-MS20-NS2 | 0.19 (4.8) | 4500 (310) | |
| M20 x 1.5 | 1/4 | -PUP-MS20-NS4 | 0.28 (7.1) | 4500 (310) | |

| Metric Threads | | | ISO Tapered Threads | |
|----------------------|------------|-----------------------|---------------------|-----------------------------|
| P-Metric Thread Size | Px-RT Size | Basic Ordering Number | Dimension, in. (mm) | Working Pressure psig (bar) |
| | | | E | 316 SS, Steel |
| M20 x 1.5 | 1/8 | -PUP-MS20-RT2 | 0.19 (4.8) | 4500 (310) |
| M20 x 1.5 | 1/4 | -PUP-MS20-RT4 | 0.28 (7.1) | 4500 (310) |

| ISO Parallel Threads | | | NPT Threads | |
|----------------------|-------------|-----------------------|---------------------|-----------------------------|
| P-ISO Pipe Size | Px-NPT Size | Basic Ordering Number | Dimension, in. (mm) | Working Pressure psig (bar) |
| | | | E | 316 SS, Steel |
| 1/2 | 1/8 | -PUP-RG8-NS2 | 0.19 (4.8) | 4900 (337) |
| 1/2 | 1/4 | -PUP-RG8-NS4 | 0.28 (7.1) | 4900 (337) |

Hand Tight Adapter Fittings

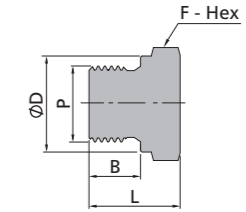
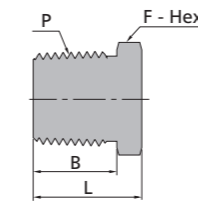


| Metric Threads | | | | | | |
|----------------------|-----------------------|-----------------------|---------------------|-------------|------------|-----------------------------|
| P-Metric Thread Size | Px-Metric Thread Size | Basic Ordering Number | Dimension, mm (in.) | | | Working Pressure psig (bar) |
| | | | L | D | E | |
| M14 x 1.5 | M14 x 1.5 | -HF-MS14 | 58.0 (2.28) | 27.0 (1.06) | 3.2 (0.13) | 6100 (425) |
| M14 x 1.5 | M20 x 1.5 | -HF-MS14-MS20 | 58.0 (2.28) | 37.5 (1.48) | 3.2 (0.13) | 5700 (393) |
| M20 x 1.5 | M14 x 1.5 | -HF-MS20-MS14 | 68.0 (2.68) | 32.0 (1.26) | 4.0 (0.16) | 6100 (425) |
| M20 x 1.5 | M20 x 1.5 | -HF-MS20 | 68.0 (2.68) | 37.5 (1.48) | 4.0 (0.16) | 5700 (393) |
| M20 x 1.5 | M22 x 1.5 | -HF-MS20-MS22 | 68.0 (2.68) | 37.5 (1.48) | 4.0 (0.16) | 4000 (275) |

| Metric Threads | | | ISO Parallel Threads | | | |
|----------------------|--------------------|-----------------------|----------------------|-------------|------------|-----------------------------|
| P-Metric Thread Size | Px-ISO Thread Size | Basic Ordering Number | Dimension, mm (in.) | | | Working Pressure psig (bar) |
| | | | L | D | E | |
| M20 x 1.5 | 1/4 | -HF-MS20-BP4 | 68.0 (2.68) | 32.0 (1.26) | 3.2 (0.13) | 6500 (447) |
| M20 x 1.5 | 3/8 | -HF-MS20-BP6 | 68.0 (2.68) | 32.0 (1.26) | 3.6 (0.14) | 4300 (297) |
| M20 x 1.5 | 1/2 | -HF-MS20-BP8 | 68.0 (2.68) | 37.5 (1.48) | 4.0 (0.16) | 4800 (334) |

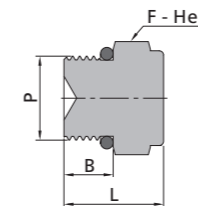
| ISO Parallel Threads | | | | | | |
|----------------------|--------------------|-----------------------|---------------------|-------------|------------|-----------------------------|
| P-ISO Thread Size | Px-ISO Thread Size | Basic Ordering Number | Dimension, mm (in.) | | | Working Pressure psig (bar) |
| | | | L | D | E | |
| 1/2 | 1/4 | -HF-BP8-BP4 | 68.0 (2.68) | 32.0 (1.26) | 3.2 (0.13) | 6500 (447) |
| 1/2 | 3/8 | -HF-BP8-BP6 | 68.0 (2.68) | 32.0 (1.26) | 3.6 (0.14) | 4300 (297) |
| 1/2 | 1/2 | -HF-BP8 | 68.0 (2.68) | 37.5 (1.48) | 4.0 (0.16) | 4800 (334) |

Pipe Plugs



| Male NPT Threads | | | | |
|------------------|-----------------------|---------------------|-------------|-------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | |
| | | L | F | B |
| 1/16 | -PP-NS1 | 0.56 (14.2) | 0.31 (7.9) | 0.38 (9.7) |
| 1/8 | -PP-NS2 | 0.56 (14.2) | 0.44 (11.1) | 0.38 (9.7) |
| 1/4 | -PP-NS4 | 0.75 (19.1) | 0.56 (14.3) | 0.56 (14.2) |
| 3/8 | -PP-NS6 | 0.78 (19.8) | 0.69 (17.5) | 0.56 (14.2) |
| 1/2 | -PP-NS8 | 0.97 (24.6) | 0.87 (22.2) | 0.75 (19.1) |
| 3/4 | -PP-NS12 | 1.21 (30.7) | 1.06 (27.0) | 0.75 (19.1) |
| 1 | -PP-NS16 | 1.50 (38.1) | 1.37 (34.9) | 0.94 (23.9) |
| 1 1/4 | -PP-NS20 | 1.51 (38.4) | 1.75 (44.5) | 0.94 (23.9) |
| 1 1/2 | -PP-NS24 | 1.72 (43.7) | 2.00 (50.8) | 1.03 (26.2) |
| 2 | -PP-NS32 | 2.00 (50.8) | 2.75 (69.9) | 1.03 (26.2) |

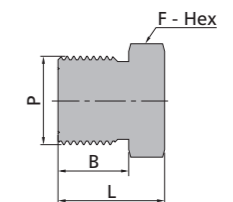
| Male ISO Tapered Threads | | | | |
|--------------------------|-----------------------|---------------------|-------------|-------------|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | |
| | | L | F | B |
| 1/16 | -PP-RT1 | 0.56 (14.2) | 0.31 (7.9) | 0.38 (9.7) |
| 1/8 | -PP-RT2 | 0.56 (14.2) | 0.44 (11.1) | 0.38 (9.7) |
| 1/4 | -PP-RT4 | 0.75 (19.1) | 0.56 (14.3) | 0.56 (14.2) |
| 3/8 | -PP-RT6 | 0.78 (19.8) | 0.69 (17.5) | 0.56 (14.2) |
| 1/2 | -PP-RT8 | 0.97 (24.6) | 0.87 (22.2) | 0.75 (19.1) |
| 3/4 | -PP-RT12 | 1.21 (30.7) | 1.06 (27.0) | 0.75 (19.1) |
| 1 | -PP-RT16 | 1.50 (38.1) | 1.37 (34.9) | 0.94 (23.9) |
| 1 1/4 | -PP-RT20 | 1.51 (38.4) | 1.75 (44.5) | 0.94 (23.9) |
| 1 1/2 | -PP-RT24 | 1.72 (43.7) | 2.00 (50.8) | 1.03 (26.2) |
| 2 | -PP-RT32 | 2.00 (50.8) | 2.75 (69.9) | 1.03 (26.2) |



| Male SAE/MS Straight Threads | | | | |
|------------------------------|-----------------------|---------------------|-------------|-------------|
| P-SAE/MS Thread Size | Basic Ordering Number | Dimension, in. (mm) | | |
| | | L | F | B |
| 7/16-20 | -PP-ST7 | 0.76 (19.3) | 0.56 (14.3) | 0.36 (9.1) |
| 9/16-18 | -PP-ST9 | 0.82 (20.8) | 0.69 (17.5) | 0.39 (9.9) |
| 3/4-16 | -PP-ST12 | 0.89 (22.6) | 0.87 (22.2) | 0.44 (11.2) |
| 1 1/16-12 | -PP-ST17 | 1.12 (28.4) | 1.25 (31.8) | 0.59 (15.0) |
| 1 5/16-12 | -PP-ST21 | 1.18 (30.0) | 1.50 (38.1) | 0.59 (15.0) |

| Male ISO Parallel Threads | | | | | |
|---------------------------|-----------------------|---------------------|-------------|-------------|-------------|
| P-RS Size | Basic Ordering Number | Dimension, in. (mm) | | | |
| | | L | F | B | D |
| 1/8 | -PP-RS2 | 0.55 (14.0) | 0.56 (14.3) | 0.28 (7.1) | 0.54 (13.7) |
| 1/4 | -PP-RS4 | 0.78 (19.8) | 0.75 (19.1) | 0.44 (11.2) | 0.71 (18.0) |
| 3/8 | -PP-RS6 | 0.78 (19.8) | 0.87 (22.2) | 0.44 (11.2) | 0.86 (21.8) |
| 1/2 | -PP-RS8 | 0.99 (25.1) | 1.06 (27.0) | 0.55 (14.0) | 1.02 (25.9) |
| 3/4 | -PP-RS12 | 1.13 (28.7) | 1.31 (33.3) | 0.62 (15.7) | 1.26 (32.0) |
| 1 | -PP-RS16 | 1.21 (30.7) | 1.63 (41.3) | 0.71 (18.0) | 1.54 (39.1) |

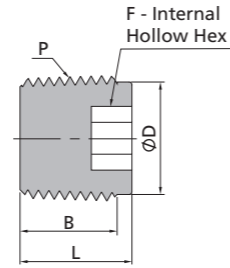
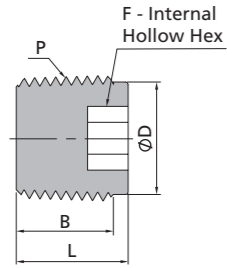
| Male Metric Threads | | | | | |
|---------------------|-----------------------|---------------------|-------------|-------------|-------------|
| P-Metric Size | Basic Ordering Number | Dimension, mm (in.) | | | |
| | | L | F | B | D |
| M14 x 1.5 | -PP-MRS14 | 21.0 (0.83) | 20.6 (0.81) | 12.0 (0.47) | 18.8 (0.74) |
| M16 x 1.5 | -PP-MRS16 | 23.0 (0.91) | 22.2 (0.87) | 12.0 (0.47) | 20.8 (0.82) |
| M18 x 1.5 | -PP-MRS18 | 25.0 (0.98) | 23.8 (0.94) | 12.0 (0.47) | 22.8 (0.90) |
| M20 x 1.5 | -PP-MRS20 | 26.5 (1.04) | 25.4 (1.00) | 14.0 (0.55) | 24.8 (0.98) |
| M22 x 1.5 | -PP-MRS22 | 28.8 (1.13) | 28.6 (1.13) | 14.0 (0.55) | 26.8 (1.06) |
| M24 x 1.5 | -PP-MRS24 | 29.0 (1.14) | 35.0 (1.38) | 14.0 (0.55) | 28.8 (1.13) |
| M27 x 2 | -PP-MRS27 | 30.0 (1.18) | 36.5 (1.44) | 16.0 (0.63) | 31.8 (1.25) |



| Male Metric Threads | | | | |
|---------------------|-----------------------|---------------------|-------------|-------------|
| P-Metric Size | Basic Ordering Number | Dimension, mm (in.) | | |
| | | L | F | B |
| M14 x 1.5 | -PP-MS14 | 18.0 (0.71) | 16.0 (0.63) | 13.0 (0.51) |
| M16 x 1.5 | -PP-MS16 | 20.0 (0.79) | 18.0 (0.71) | 14.0 (0.55) |
| M18 x 1.5 | -PP-MS18 | 22.0 (0.87) | 19.0 (0.75) | 15.0 (0.59) |
| M20 x 1.5 | -PP-MS20 | 24.0 (0.94) | 22.0 (0.87) | 16.0 (0.63) |
| M22 x 1.5 | -PP-MS22 | 26.0 (1.02) | 24.0 (0.94) | 17.0 (0.67) |
| M24 x 1.5 | -PP-MS24 | 26.0 (1.02) | 27.0 (1.06) | 17.0 (0.67) |
| M27 x 2 | -PP-MS27 | 27.0 (1.06) | 30.0 (1.18) | 18.0 (0.71) |
| M30 x 2 | -PP-MS30 | 32.0 (1.26) | 32.0 (1.26) | 20.0 (0.79) |

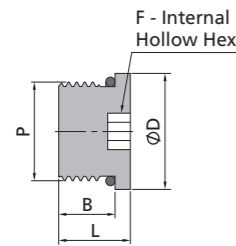
Dimensions are for reference only, subject to change.

Hollow Hex Plugs



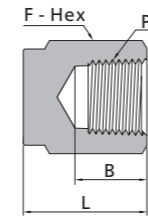
| Male NPT Threads | | | | | |
|------------------|-----------------------|---------------------|-------------|-------------|-------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | |
| | | L | F | B | D |
| 1/16 | -PI-NS1 | 0.30 (7.6) | 0.16 (4.0) | 0.29 (7.4) | 0.29 (7.4) |
| 1/8 | -PI-NS2 | 0.41 (10.4) | 0.19 (4.8) | 0.29 (7.4) | 0.37 (9.4) |
| 1/4 | -PI-NS4 | 0.61 (15.5) | 0.25 (6.4) | 0.49 (12.4) | 0.48 (12.1) |
| 3/8 | -PI-NS6 | 0.59 (15.0) | 0.31 (7.9) | 0.47 (11.9) | 0.62 (15.7) |
| 1/2 | -PI-NS8 | 0.76 (19.3) | 0.37 (9.5) | 0.64 (16.2) | 0.76 (19.3) |
| 3/4 | -PI-NS12 | 0.78 (19.8) | 0.56 (14.3) | 0.66 (16.7) | 1.01 (25.7) |
| 1 | -PI-NS16 | 0.82 (20.8) | 0.63 (15.9) | 0.70 (17.7) | 1.25 (31.8) |

| Male ISO Tapered Threads | | | | | | |
|--------------------------|-----------------------|---------------------|-------------|-------------|-------------|--|
| P-RT Size | Basic Ordering Number | Dimension, in. (mm) | | | | |
| | | L | F | B | D | |
| 1/16 | -PI-RT1 | 0.30 (7.6) | 0.16 (4.0) | 0.29 (7.4) | 0.29 (7.4) | |
| 1/8 | -PI-RT2 | 0.41 (10.4) | 0.19 (4.8) | 0.29 (7.4) | 0.37 (9.4) | |
| 1/4 | -PI-RT4 | 0.61 (15.5) | 0.25 (6.4) | 0.49 (12.4) | 0.48 (12.1) | |
| 3/8 | -PI-RT6 | 0.61 (15.5) | 0.31 (7.9) | 0.49 (12.4) | 0.62 (15.7) | |
| 1/2 | -PI-RT8 | 0.76 (19.3) | 0.37 (9.5) | 0.64 (16.2) | 0.76 (19.3) | |
| 3/4 | -PI-RT12 | 0.78 (19.8) | 0.56 (14.3) | 0.66 (16.7) | 1.01 (25.7) | |
| 1 | -PI-RT16 | 0.82 (20.8) | 0.63 (15.9) | 0.70 (17.7) | 1.25 (31.8) | |



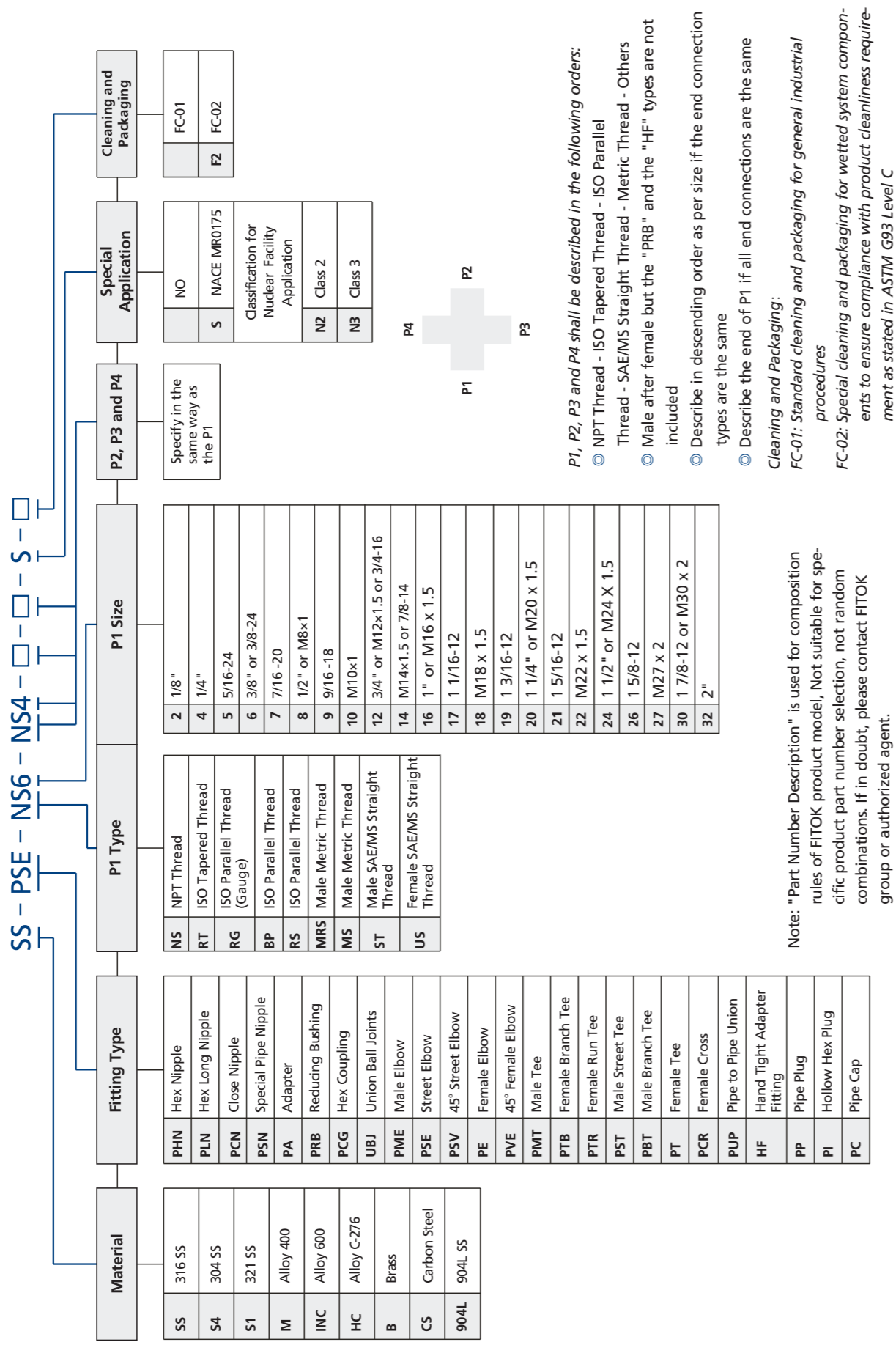
| Male SAE/MS Straight Threads | | | | | |
|------------------------------|-----------------------|---------------------|-------------|-------------|-------------|
| P-SAE/MS Thread Size | Basic Ordering Number | Dimension, in. (mm) | | | |
| | | L | F | B | D |
| 7/16-20 | -PI-ST7 | 0.45 (11.4) | 0.19 (4.8) | 0.36 (9.1) | 0.56 (14.2) |
| 9/16-18 | -PI-ST9 | 0.48 (12.2) | 0.25 (6.4) | 0.39 (9.9) | 0.69 (17.5) |
| 3/4-16 | -PI-ST12 | 0.56 (14.2) | 0.31 (7.9) | 0.44 (11.2) | 0.88 (22.4) |
| 1 1/16-12 | -PI-ST17 | 0.75 (19.1) | 0.56 (14.3) | 0.59 (15.0) | 1.25 (31.8) |
| 1 5/16-12 | -PI-ST21 | 0.75 (19.1) | 0.63 (15.9) | 0.59 (15.0) | 1.50 (38.1) |

Pipe Caps



| Female NPT Threads | | | | | | |
|-------------------------------|-----------------------|---------------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | Working Pressure psig (bar) | |
| | | L | F | B | 316 SS, Steel | Brass |
| 1/16 | -PC-NS1 | 0.50 (12.7) | 0.44 (11.1) | 0.39 (9.9) | 6700 (460) | 3300 (227) |
| 1/8 | -PC-NS2 | 0.75 (19.1) | 0.56 (14.3) | 0.41 (10.4) | 6500 (447) | 3200 (220) |
| 1/4 | -PC-NS4 | 0.91 (23.1) | 0.75 (19.1) | 0.59 (15.0) | 6600 (454) | 3300 (277) |
| 3/8 | -PC-NS6 | 1.03 (26.2) | 0.87 (22.2) | 0.59 (15.0) | 5300 (365) | 2600 (179) |
| 1/2 | -PC-NS8 | 1.34 (34.0) | 1.06 (27.0) | 0.78 (19.8) | 4900 (337) | 2400 (165) |
| 3/4 | -PC-NS12 | 1.44 (36.6) | 1.31 (33.3) | 0.81 (20.6) | 4600 (316) | 2300 (158) |
| 1 | -PC-NS16 | 1.62 (41.1) | 1.63 (41.3) | 1.00 (25.4) | 4400 (303) | 2200 (151) |
| Heavy-Wall Female NPT Threads | | | | | | |
| 1/4 | -PC-NS4-10K | 1.11 (28.2) | 1.00 (25.4) | 0.59 (15.0) | 10000 (690) | / |
| 1/2 | -PC-NS8-10K | 1.58 (40.1) | 1.50 (38.1) | 0.78 (19.8) | 10000 (690) | / |

| Female ISO Tapered Threads | | | | | | |
|----------------------------|-----------------------|---------------------|-------------|-------------|-----------------------------|------------|
| P-NPT Size | Basic Ordering Number | Dimension, in. (mm) | | | Working Pressure psig (bar) | |
| | | L | F | B | 316 SS, Steel | Brass |
| 1/16 | -PC-RT1 | 0.50 (12.7) | 0.44 (11.1) | 0.39 (9.9) | 6700 (460) | 3300 (227) |
| 1/8 | -PC-RT2 | 0.75 (19.1) | 0.56 (14.3) | 0.41 (10.4) | 6500 (447) | 3200 (220) |
| 1/4 | -PC-RT4 | 0.91 (23.1) | 0.75 (19.1) | 0.59 (15.0) | 6600 (454) | 3300 (277) |
| 3/8 | -PC-RT6 | 1.03 (26.2) | 0.87 (22.2) | 0.59 (15.0) | 5300 (365) | 2600 (179) |
| 1/2 | -PC-RT8 | 1.34 (34.0) | 1.06 (27.0) | 0.78 (19.8) | 4900 (337) | 2400 (165) |
| 3/4 | -PC-RT12 | 1.44 (36.6) | 1.31 (33.3) | 0.81 (20.6) | 4600 (316) | 2300 (158) |
| 1 | -PC-RT16 | 1.62 (41.1) | 1.63 (41.3) | 1.00 (25.4) | 4400 (303) | 2200 (151) |



P1, P2, P3 and P4 shall be described in the following orders:

- NPT Thread - ISO Tapered Thread - ISO Parallel Thread - SAE/MS Straight Thread - Metric Thread - Others
- Male after female but the "PRB" and the "HF" types are not included
- Describe in descending order as per size if the end connection types are the same
- Describe the end of P1 if all end connections are the same

Cleaning and Packaging:

FC-01: Standard cleaning and packaging for general industrial procedures

FC-02: Special cleaning and packaging for wetted system components to ensure compliance with product cleanliness requirements as stated in ASTM G93 Level C

Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK group or authorized agent.