PRODUCTS CATALOG

Catalog Aug. 2016



UNILOK Corporation

UNILOK was established in 1984.

We have distinguished ourselves in the design and manufacturing of a high performance "Twin Ferrule Compression Tube Fittings" and "Instrumentation Valves" range.

UNILOK has been able to capitalize on our expert knowledge, oriented towards the new expectations of customers worldwide in the industrial, petrochemical, offshore, ship building, power plant and environmental industries.

Due to our outstanding capacity for innovation and our policy of investment in Research and Development as well as Quality Control.

Our well-trained staff are dedicated to providing our customers with the very best service possible, and this service is backed up by our Performance Guarantee.

Systematic Control is fully committed to utilizing the latest technology and information advancements to provide our customers with maximum support.

UNILOK Corporation

Catalog Aug. 2016

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UNILOK 02 | 03

INSTRUMENT

PIPE Fittings



UNILOK 76 | 77

UNILOK

PIPE Fittings

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Male Pipe to Male Pipe



PCN 82 Close Nipple



PRA 85 Reducing Adapter



PRC ® Reducing Coupling



PHN 82 Hex Nipple



PRB 85 Reducing Bushing



PFE 87 Female Elbow





PSE 85 Street Elbow



PFT ®7 Female Tee





PRSE 88 Reducing Street Elbow



PBJ 87 Ball Joint Union





PST 88 Street Tee



Components

PU 88 Pipe Union



Male Tee

Female Pipe to Male Pipe



PBT 86 Branch Tee



PCP® Pipe Cap





PC 86 Coupling

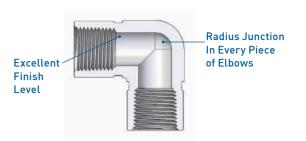
Female Pipe to Female Pipe



PPG 88 Pipe Pluq

Features

Excellent finish level to allow smooth flow transition Every pieces of elbows have radius junction to eliminate entrapment areas and to allow smooth flow transition for all elbows including pipe fittings Fine threads meets the requirement of ASME/ANSI B1.20.1 to ensure maximum thread engagement Working pressures are higher than the traditional piping class, 3000 pipe fittings to ASME B16.11



Materials

UNILOK pipe fittings are available in various kinds of materials as below. Straight fittings are machined from bar stock and shaped fittings from forgings. For more details or special application, contact your local distributors.

| Materials | Bar Stock | Forgings |
|--------------------|-------------------------|-------------------------|
| 316 SS or 316L SS | ASTM A479 ASME SA479 | ASTM A182 ASME SA182 |
| Brass | ASTM B16 ASTM B453 | ASTM B283 |
| Alloy 400 (Monel®) | ASTM B164 | ASTM B564 ASME SB564 |

Installation Instruction

Pipe thread sealant is recommended for a leak tight seal. PTFE tape is commonly used only for installation of the pipe fittings with male thread.

Make sure both male and female threads clean. Warp PTFE tape clockwise from the first thread. Two time of wrapping is recommended. Don't overhang tape on the first thread as it might be entered the system. Cut off excess tape.

Sour Environment Services

UNILOK pipe fittings are comply with NACE MR-0175/ISO 15156 for sour oilfield application or NACE MR-0103 for petroleum refining operations. To order, add-N to the end of part number.

Cleaning

UNILOK pipe fittings are free from machine oils, loose particles and grease throughout the close cleaning process.

UNILOK 78 **| 79**

Pipe End Thread Information Kinds of Pipe End Thread

The end connections with the lower pressure rating is the determining factor of pressure rating for the fittings with both UNILOK tube ends and pipe thread ends.

Pressure Rating for Pipe End Thread

Tapered Pipe Threads - NPT or ISO 7/1(BSPT)

Allowable pressure ratings for male and female threads are based on ASME B31.3 at ambient temperature.

| | | | | | | | | 1 |
|-------|-------|----------|-----|------|----------|--------|------|--------|
| Pipe | 316SS | | | | | UNILOK | | |
| Size | Ма | Male Fer | | nale | Male Fen | | nale | Desig- |
| inch | bar | psig | bar | psig | psig | bar | psig | nator |
| 1/16 | 760 | 11000 | 460 | 6700 | 5500 | 230 | 3300 | -01N/R |
| 1/8 | 690 | 10000 | 440 | 6500 | 5000 | 220 | 3200 | -02N/R |
| 1/4 | 550 | 8000 | 450 | 6600 | 4000 | 220 | 3300 | -04N/R |
| 3/8 | 540 | 7800 | 360 | 5300 | 3900 | 180 | 2600 | -06N/R |
| 1/2 | 530 | 7700 | 330 | 4900 | 3800 | 160 | 2400 | -08N/R |
| 3/4 | 500 | 7300 | 320 | 4600 | 3600 | 160 | 2300 | -12N/R |
| 1 | 370 | 5300 | 300 | 4400 | 2600 | 150 | 2200 | -16N/R |
| 1-1/4 | 410 | 6000 | 350 | 5000 | 3000 | 170 | 2500 | -20N/R |
| 1-1/2 | 340 | 5000 | 310 | 4600 | 2500 | 150 | 2300 | -24N/R |
| 2 | 270 | 3900 | 270 | 3900 | 1900 | 130 | 1900 | -32N/R |

Design for NPT pipe thread is N, ISO 7/1 is R.

ISO 228/1 Parallel Thread (BSPP)

The pressure ratings are at ambient temperature.

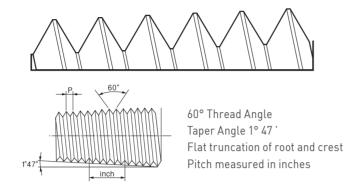
| Male | e 316SS | | UNILOK |
|-----------|---------|------|------------|
| Pipe Size | bar | psig | Designator |
| 1/8 | 315 | 4568 | -02G |
| 1/4 | 315 | 4568 | -04G |
| 3/8 | 315 | 4568 | -06G |
| 1/2 | 160 | 2320 | -08G |

0-Seal Fittings

Rated to 206 bar (3000 psig) for 316SS fittings up to 1 inch and 25mm

NPT Pipe Thread

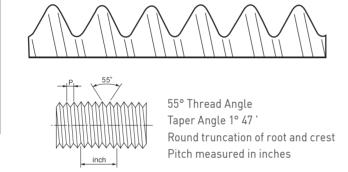
NPT (National Pipe Thread) is based on ANSI B1.20.1



ISO 7/1 Tapered Pipe Thread

International Organization for Standard (ISO 7/1) Tapered (PT)

Equivalent to BSPT (British Standard Pipe Taper Thread), DIN 2999, JIS B0203

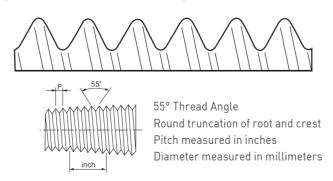


ISO 228/1 Parallel Pipe Thread

International Organization for Standard (ISO 228/1) Parallel(PF)

Equivalent to BSPP (British Standard Pipe Parallel Thread), DIN ISO228/1, JIS B0202

Gasket or O-ring is normally used to seal into the parallel female threaded components.



How To order

UNILOK pipe fittings are ordered by part number as shown below.

Example: The following part number, PHRN-08N04N-SS is designated for Reducing Hex Nipple, 1/2 Male-NPT x 1/4 Male-



| Pipe Thread Size Designation | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| Pipe Size 1/8 1/4 3/8 1/2 3/4 1 | | | | | | | | |
| Designator 02 04 06 08 12 16 | | | | | | | | |
| | | | | | | | | |

| Thread Type Designation | | | | | | |
|-------------------------|---------------------------|----------------------------------|--|--|--|--|
| Designator Thread Type | | | | | | |
| N | NPT | National Standard Pipe Thread | | | | |
| R | ISO 7/1 Taper Pipe Thread | | | | | |
| G | ISO 228/1 | Parallel Pipe Thread | | | | |
| WS-*T | | Socket Weld-Tube | | | | |

| Material Designation | | | | | | |
|----------------------|----------|--|--|--|--|--|
| Designator Material | | | | | | |
| SS | 316SS | | | | | |
| BS | Brass | | | | | |
| MO | Alloy400 | | | | | |
| | | | | | | |

| Pressure Rating Designation | | | | | |
|-----------------------------|-----------|--|--|--|--|
| Designator Pressure Rating | | | | | |
| 6K | 6000 psi | | | | |
| 10K | 10000 psi | | | | |

Pipe fittings for high pressure application are available. The standard pressure ratings for each thread sizes are based on ASME B31.3 at ambient temperature.

For the availability of 6000psig and 10000psig, contact your local distributors.

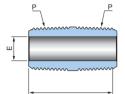
UNILOK 80 | 81



PCN

Close Nipple



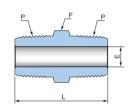


Male NPT to Male NPT

| Part No. | Р | Dimensions (mm) | | | |
|------------|-----|-----------------|------|--|--|
| T di Cito. | NPT | L | E | | |
| PCN-02N | 1/8 | 21.8 | 4.8 | | |
| PCN-04N | 1/4 | 33.0 | 7.1 | | |
| PCN-06N | 3/8 | 34.0 | 9.6 | | |
| PCN-08N | 1/2 | 44.0 | 11.9 | | |
| PCN-12N | 3/4 | 38.1 | 15.7 | | |
| PCN-16N | 1 | 58.9 | 22.4 | | |

PHN Hex Nipple

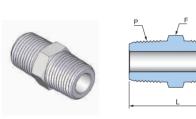


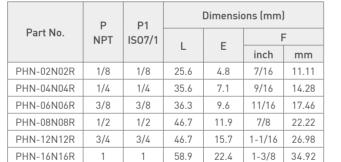


Male NPT to Male NPT

| | Р | Dimensions (mm) | | | | | |
|----------|-----|-----------------|------|--------|-------|--|----|
| Part No. | NPT | | _ | F | | | |
| | | L | L E | | | | mm |
| PHN-02N | 1/8 | 25.6 | 4.8 | 7/16 | 11.11 | | |
| PHN-04N | 1/4 | 35.6 | 7.1 | 9/16 | 14.28 | | |
| PHN-06N | 3/8 | 36.3 | 9.6 | 11/16 | 17.46 | | |
| PHN-08N | 1/2 | 46.7 | 11.9 | 7/8 | 22.22 | | |
| PHN-12N | 3/4 | 46.7 | 15.7 | 1-1/16 | 26.98 | | |
| PHN-16N | 1 | 58.9 | 22.4 | 1-3/8 | 34.92 | | |

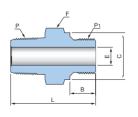
Male NPT to Male ISO Tapered Thread





Male NPT to Male ISO Parallel Thread



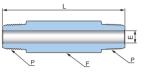


| Part No. | Р | P1 IS0 | Dimensions (mm) | | | | | |
|------------|-----|-----------|-----------------|------|------|------|--------|-------|
| | NPT | | | _ | 3 C | _ | F | = |
| | | 228/1 | L | B C | | | Е | inch |
| PHN-02N02G | 1/8 | 1/8 | 27.7 | 7.1 | 13.8 | 4.1 | 9/16 | 14.28 |
| PHN-04N04G | 1/4 | 1/4 | 36.8 | 11.2 | 18.0 | 5.8 | 3/4 | 19.05 |
| PHN-06N06G | 3/8 | 3/8 | 37.6 | 11.2 | 21.8 | 7.9 | 7/8 | 22.22 |
| PHN-08N08G | 1/2 | 1/2 | 44.4 | 14.2 | 26.0 | 11.9 | 1-1/16 | 26.98 |
| PHN-12N12G | 3/4 | 3/4 | 49.0 | 15.7 | 32.0 | 15.7 | 1-5/16 | 33.33 |
| PHN-16N16G | 1 | 1 | 56.6 | 18.3 | 39.0 | 19.8 | 1-5/8 | 41.27 |
| | | | - 44 | | | | | |

ISO Tapered threads are available for all fractional PCN, PHN. To order, add "R" as a suffix instead of "N". Dimensions are for reference only and are subject to change without prior notice

PHLN Hex Long Nipple



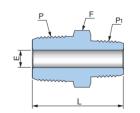


Male NPT to Male NPT

| | Р | | Dimensions (mm) | | | | | |
|--------------|-----|-----|-----------------|--------|-------|--|--|--|
| Part No. | NPT | 1 | F | F | = | | | |
| | | L | Е | inch | mm | | | |
| PHLN-02N-1.5 | | 40 | | 7/16 | 11.11 | | | |
| PHLN-02N-2.0 | | 50 | | | | | | |
| PHLN-02N-2.5 | 1/8 | 65 | 4.8 | | | | | |
| PHLN-02N-3.0 | | 75 | | | | | | |
| PHLN-02N-4.0 | | 100 | | | | | | |
| PHLN-04N-1.5 | | 40 | | | | | | |
| PHLN-04N-2.0 | | 50 | 7.1 | 9/16 | 14.28 | | | |
| PHLN-04N-2.5 | 1/4 | 65 | | | | | | |
| PHLN-04N-3.0 | 1/4 | 75 | | | | | | |
| PHLN-04N-4.0 | | 100 | | | | | | |
| PHLN-04N-6.0 | | 150 | | | | | | |
| PHLN-06N-2.0 | | 50 | | 11/16 | 17.46 | | | |
| PHLN-06N-3.0 | 3/8 | 75 | 9.6 | | | | | |
| PHLN-06N-4.0 | | 100 | | | | | | |
| PHLN-08N-2.0 | | 50 | | | | | | |
| PHLN-08N-3.0 | 1/2 | 75 | 11.9 | 7/8 | 22.22 | | | |
| PHLN-08N-4.0 | 1/2 | 100 | 11.7 | //8 | 22.22 | | | |
| PHLN-08N-6.0 | | 150 | | | | | | |
| PHLN-12N-3.0 | 3/4 | 75 | 45.7 | 1 1/1/ | 07.00 | | | |
| PHLN-12N-4.0 | 3/4 | 100 | 15.7 | 1-1/16 | 26.98 | | | |
| PHLN-16N-3.0 | 1 | 75 | 22.4 | 4.0/0 | 34.92 | | | |
| PHLN-16N-4.0 | 1 | 100 | ZZ.4 | 1-3/8 | | | | |

PHRN Reducing Hex Nipple





Male NPT to Reduced Male NPT

| Р | P1 NPT | Dimensions (mm) | | | | | |
|-----|--|--|---|---|---|--|--|
| NPT | | | _ | F | | | |
| | | L | E | inch | mm | | |
| 1/4 | 1/8 | 31.0 | 4.8 | 9/16 | 14.28 | | |
| 3/8 | 1/4 | 36.3 | 7.1 | 11/16 | 17.46 | | |
| 1/2 | 1/4 | 41.9 | 7.1 | 7/8 | 22.22 | | |
| 1/2 | 3/8 | 41.9 | 9.6 | 7/8 | 22.22 | | |
| 3/4 | 1/4 | 41.9 | 7.1 | 1-1/16 | 26.98 | | |
| 3/4 | 1/2 | 46.7 | 11.9 | 1-1/16 | 26.98 | | |
| 1 | 1/2 | 54.1 | 11.9 | 1-3/8 | 34.92 | | |
| 1 | 3/4 | 54.1 | 15.7 | 1-3/8 | 34.92 | | |
| | 1/4 3/8 1/2 1/2 3/4 3/4 | NPT NPT 1/4 1/8 3/8 1/4 1/2 1/4 1/2 3/8 3/4 1/4 3/4 1/2 1 1/2 | P NPT NPT L 1/4 1/8 31.0 3/8 1/4 36.3 1/2 1/4 41.9 1/2 3/8 41.9 3/4 1/4 41.9 3/4 1/2 46.7 1 1/2 54.1 | P NPT NPT L E 1/4 1/8 31.0 4.8 3/8 1/4 36.3 7.1 1/2 1/4 41.9 7.1 1/2 3/8 41.9 9.6 3/4 1/4 41.9 7.1 3/4 1/2 46.7 11.9 1 1/2 54.1 11.9 | P NPT NPT L E inch 1/4 1/8 31.0 4.8 9/16 3/8 1/4 36.3 7.1 11/16 1/2 1/4 41.9 7.1 7/8 1/2 3/8 41.9 9.6 7/8 3/4 1/4 41.9 7.1 1-1/16 3/4 1/2 46.7 11.9 1-1/16 1 1/2 54.1 11.9 1-3/8 | | |

ISO Tapered threads are available for all fractional PHLN, PHRN. To order, add "R" as a suffix instead of "N".

Dimensions are for reference only and are subject to change without prior notice

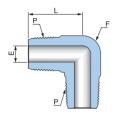
UNILOK 82 | 83



PME

Male Elbow



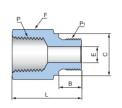


Male NPT to Male NPT

| | P | | ons (mm) | | | |
|----------|-----|------|----------|-------|-------|--|
| Part No. | NPT | | _ | F | | |
| | | L | E | inch | mm | |
| PME-02N | 1/8 | 22.4 | 4.8 | 1/2 | 12.70 | |
| PME-04N | 1/4 | 26.7 | 7.1 | 1/2 | 12.70 | |
| PME-06N | 3/8 | 29.7 | 9.6 | 11/16 | 17.46 | |
| PME-08N | 1/2 | 36.8 | 11.9 | 13/16 | 20.63 | |
| | | | | | | |

PA Adapter

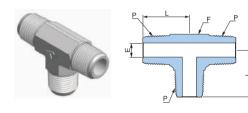




Female NPT to Male ISO Parallel Thread

| Part No. | Р | P ₁ | | D | imens | ions (| mm) | |
|-----------|-----|----------------|------|------|-------|--------|--------|-------|
| | NPT | ISO | | В | | Е | F | |
| | | 228/1 | L | В | С | Е | inch | mm |
| PA-02N02G | 1/8 | 1/8 | 25.1 | 7.1 | 13.8 | 4.1 | 9/16 | 14.28 |
| PA-04N04G | 1/4 | 1/4 | 33.5 | 11.2 | 18.0 | 5.8 | 3/4 | 19.05 |
| PA-06N06G | 3/8 | 3/8 | 35.8 | 11.2 | 21.8 | 7.9 | 7/8 | 22.22 |
| PA-08N08G | 1/2 | 1/2 | 44.2 | 14.2 | 26.0 | 11.9 | 1-1/16 | 26.98 |
| PA-12N12G | 3/4 | 3/4 | 48.0 | 15.7 | 32.0 | 15.7 | 1-5/16 | 33.33 |
| PA-16N16G | 1 | 1 | 53.3 | 18.3 | 39.0 | 19.8 | 1-5/8 | 41.27 |

PMT Male Tee



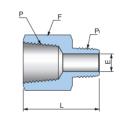
Male NPT to Male NPT

| | P | Dimensions (mm) | | | | | | |
|----------|-----|-----------------|------|-------|-------|--|--|--|
| Part No. | NPT | | _ | F | | | | |
| | L | E | inch | mm | | | | |
| PMT-02N | 1/8 | 22.4 | 4.8 | 1/2 | 12.70 | | | |
| PMT-04N | 1/4 | 26.7 | 7.1 | 1/2 | 12.70 | | | |
| PMT-06N | 3/8 | 29.7 | 9.6 | 11/16 | 17.46 | | | |
| PMT-08N | 1/2 | 36.8 | 11.9 | 13/16 | 20.63 | | | |

PRA

Reducing Adapter



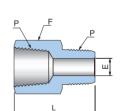


Female NPT to Reduced Male NPT

| | P | P ₁ | Dimensions (mm) | | | | | |
|---------------|-----|----------------|-----------------|------|--------|-------|--|--|
| Part No. | NPT | NPT | | _ | I | F | | |
| | | | L | Е | inch | mm | | |
| PRA-04N02N | 1/4 | 1/8 | 32.0 | 4.8 | 3/4 | 19.05 | | |
| PRA-06N04N | 3/8 | 1/4 | 38.1 | 7.1 | 7/8 | 22.22 | | |
| PRA-08N04N | 1/2 | 1/4 | 44.7 | 7.1 | 1-1/16 | 26.98 | | |
| PRA-08N06N | 1/2 | 3/8 | 44.4 | 9.6 | 1-1/16 | 26.98 | | |
| PRA-12N06N | 3/4 | 3/8 | 46.2 | 9.6 | 1-5/16 | 33.33 | | |
| PRA-12N08N | 3/4 | 1/2 | 51.3 | 11.9 | 1-5/16 | 33.33 | | |
| PRA-16N08N | 1 | 1/2 | 54.9 | 11.9 | 1-5/8 | 41.27 | | |
| PRA-16N12N | 1 | 3/4 | 55.1 | 15.7 | 1-5/8 | 41.27 | | |
| 1107 10141214 | ' | 5/4 | 00.1 | 15.7 | 1 3/0 | 71.27 | | |

PA Adapter



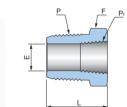


Female NPT to Male NPT

| | Р | Dimensions (mm) | | | | | | |
|----------|-----|-----------------|------|--------|-------|--|--|--|
| Part No. | NPT | | _ | ı | = | | | |
| | | L | E | inch | mm | | | |
| PA-02N | 1/8 | 27.9 | 4.8 | 9/16 | 14.28 | | | |
| PA-04N | 1/4 | 35.6 | 7.1 | 3/4 | 19.05 | | | |
| PA-06N | 3/8 | 38.4 | 9.6 | 7/8 | 22.22 | | | |
| PA-08N | 1/2 | 49.3 | 11.9 | 1-1/16 | 26.98 | | | |
| PA-12N | 3/4 | 51.3 | 15.7 | 1-5/16 | 33.33 | | | |
| PA-16N | 1 | 57.9 | 22.4 | 1-5/8 | 41.27 | | | |

PRB Reducing Bushing





Male NPT to Reduced Female NPT

| Part No. | Р | P ₁ | Dimensions (mm) | | | | | |
|------------|-----|----------------|-----------------|------|--------|-------|--|--|
| Part No. | NPT | | | _ | F | | | |
| | | | L | E | inch | mm | | |
| PRB-04N02N | 1/4 | 1/8 | 26.9 | 7.1 | 9/16 | 14.28 | | |
| PRB-06N04N | 3/8 | 1/4 | 30.2 | 9.6 | 3/4 | 19.05 | | |
| PRB-08N04N | 1/2 | 1/4 | 27.4 | 11.4 | 7/8 | 22.22 | | |
| PRB-08N06N | 1/2 | 3/8 | 35.8 | 11.9 | 7/8 | 22.22 | | |
| PRB-12N04N | 3/4 | 1/4 | 27.4 | 11.4 | 1-1/16 | 26.98 | | |
| PRB-12N06N | 3/4 | 3/8 | 27.4 | 15.0 | 1-1/16 | 26.98 | | |
| PRB-12N08N | 3/4 | 1/2 | 41.4 | 15.7 | 1-1/16 | 26.98 | | |
| PRB-16N08N | 1 | 1/2 | 34.8 | 18.5 | 1-3/8 | 34.92 | | |
| PRB-16N12N | 1 | 3/4 | 47.0 | 22.4 | 1-3/8 | 34.92 | | |

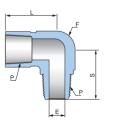
Female NPT to Male ISO Tapered Thread

| Part No. P | P | _D P ₁ | | Dimensions (mm) | | | | |
|------------|-----|-----------------------------|------|-----------------|--------|-------|--|--|
| | NPT | ISO | | Е | F | | | |
| | | 228/1 | L | | inch | mm | | |
| PA-02N02R | 1/8 | 1/8 | 27.7 | 4.8 | 9/16 | 14.28 | | |
| PA-04N04R | 1/4 | 1/4 | 36.1 | 7.1 | 3/4 | 19.05 | | |
| PA-06N06R | 3/8 | 3/8 | 38.1 | 9.6 | 7/8 | 22.22 | | |
| PA-08N08R | 1/2 | 1/2 | 49.3 | 11.9 | 1-1/16 | 26.98 | | |
| PA-12N12R | 3/4 | 3/4 | 51.3 | 15.7 | 1-5/16 | 33.33 | | |
| PA-16N16R | 1 | 1 | 58.4 | 22.4 | 1-5/8 | 41.27 | | |

ISO Tapered threads are available for all fractional PME, PMT, PA. To order, add "R" as a suffix instead of "N". Dimensions are for reference only and are subject to change without prior notice

PSE Street Elbow





Female NPT to Male NPT

| Part No. | Р | Dimensions (mm) | | | | |
|----------|-----|-----------------|------|------|-------|-------|
| | NPT | | 6 | Е | F | |
| | | L | S | E | inch | mm |
| PSE-02N | 1/8 | 26.4 | 22.1 | 4.8 | 1/2 | 12.70 |
| PSE-04N | 1/4 | 29.7 | 29.7 | 7.1 | 11/16 | 17.46 |
| PSE-06N | 3/8 | 36.1 | 32.0 | 9.6 | 13/16 | 20.63 |
| PSE-08N | 1/2 | 39.6 | 39.6 | 11.9 | 1 | 25.40 |

ISO Tapered threads are available for all fractional PA, PRA, PRB, PSE. To order, add "R" as a suffix instead of "N".

Dimensions are for reference only and are subject to change without prior notice

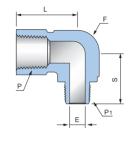
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PRSE

Reducing Street Elbow



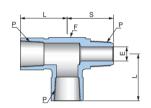


Female NPT to Reduced Male NPT

| | P P ₁ | | | Dime | nsions | (mm) | |
|-------------|------------------|-----|------|------|--------|-------|-------|
| Part No. | NPT | NPT | | L S | _ | F | |
| | | | L | | E | inch | mm |
| PRSE-04N02N | 1/4 | 1/8 | 29.7 | 25.4 | 4.8 | 11/16 | 17.46 |
| PRSE-06N04N | 3/8 | 1/4 | 36.1 | 32.0 | 7.1 | 13/16 | 20.63 |
| PRSE-08N04N | 1/2 | 1/4 | 39.6 | 35.1 | 7.1 | 1 | 25.40 |
| PRSE-08N06N | 1/2 | 3/8 | 39.6 | 35.1 | 9.6 | 1 | 25.40 |

PST Street Tee



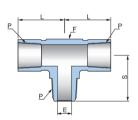


Female NPT to Male NPT

| | P | Dimensions (mm) | | | | | |
|----------|-----|-----------------|------|------|-------|-------|--|
| Part No. | NPT | | S | Е | F | = | |
| | | L | 3 | | inch | mm | |
| PST-02N | 1/8 | 26.4 | 22.1 | 4.8 | 1/2 | 12.70 | |
| PST-04N | 1/4 | 29.7 | 29.7 | 7.1 | 11/16 | 17.46 | |
| PST-06N | 3/8 | 36.1 | 32.0 | 9.6 | 13/16 | 20.63 | |
| PST-08N | 1/2 | 39.6 | 39.6 | 11.9 | 1 | 25.40 | |

PBT Branch Tee



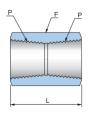


Female NPT to Male NPT

| Part No. | Р | | Dimensions (mm) | | | | |
|----------|-----|------|-----------------|------|-------|-------|--|
| | NPT | L S | _ | _ | F | | |
| | | | Е | inch | mm | | |
| PBT-02N | 1/8 | 26.4 | 22.1 | 4.8 | 1/2 | 12.70 | |
| PBT-04N | 1/4 | 29.7 | 29.7 | 7.1 | 11/16 | 17.46 | |
| PBT-06N | 3/8 | 36.1 | 32.0 | 9.6 | 13/16 | 20.63 | |
| PBT-08N | 1/2 | 39.6 | 39.6 | 11.9 | 1 | 25.40 | |

PC Coupling





Female NPT to Female NPT

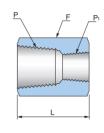
| | P | Dimensions (mm) | | | | |
|----------|-----|-----------------|--------|-------|--|--|
| Part No. | NPT | | | F | | |
| | | L | inch | mm | | |
| PC-02N | 1/8 | 20.6 | 9/16 | 14.28 | | |
| PC-04N | 1/4 | 30.2 | 3/4 | 19.05 | | |
| PC-06N | 3/8 | 33.3 | 7/8 | 22.22 | | |
| PC-08N | 1/2 | 39.6 | 1-1/16 | 26.98 | | |
| PC-12N | 3/4 | 41.1 | 1-5/16 | 33.33 | | |
| PC-16N | 1 | 50.8 | 1-5/8 | 41.27 | | |

ISO Tapered threads are available for all fractional PRSE, PST, PBT, PC. To order, add "R" as a suffix instead of "N". Dimensions are for reference only and are subject to change without prior notice

PRC

Reducing Coupling



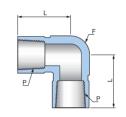


Female NPT to Reduced Female NPT

| | Р | P ₁ | Dimensions (mm) | | | |
|------------|-----|----------------|-----------------|--------|-------|--|
| Part No. | NPT | NPT | | F | F | |
| | L | inch | mm | | | |
| PRC-04N02N | 1/4 | 1/8 | 31.0 | 3/4 | 19.05 | |
| PRC-06N04N | 3/8 | 1/4 | 35.1 | 7/8 | 22.22 | |
| PRC-08N04N | 1/2 | 1/4 | 44.4 | 1-1/16 | 26.98 | |
| PRC-08N06N | 1/2 | 3/8 | 45.2 | 1-1/16 | 26.98 | |
| PRC-12N04N | 3/4 | 1/4 | 46.0 | 1-5/16 | 33.33 | |
| PRC-12N08N | 3/4 | 1/2 | 52.3 | 1-5/16 | 33.33 | |
| PRC-16N08N | 1 | 1/2 | 55.6 | 1-5/8 | 41.27 | |
| PRC-16N12N | 1 | 3/4 | 57.2 | 1-5/8 | 41.27 | |

PFEFemale Elbow



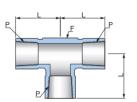


Female NPT to Female NPT

| Part No. | P | Dimensions (mm) | | | | |
|----------|-----|-----------------|-------|-------|--|--|
| | NPT | | F | | | |
| | L | L | inch | mm | | |
| PFE-02N | 1/8 | 26.4 | 1/2 | 12.70 | | |
| PFE-04N | 1/4 | 29.7 | 11/16 | 17.46 | | |
| PFE-06N | 3/8 | 36.1 | 13/16 | 20.63 | | |
| PFE-08N | 1/2 | 39.6 | 1 | 25.40 | | |

PFTFemale Tee



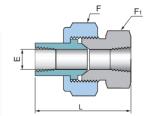


Female NPT to Female NPT

| Part No. | P | Dimensions (mm) | | | | |
|----------|-----|-----------------|-------|-------|--|--|
| | NPT | L | F | | | |
| | | | inch | mm | | |
| PFT-02N | 1/8 | 26.4 | 1/2 | 12.70 | | |
| PFT-04N | 1/4 | 29.7 | 11/16 | 17.46 | | |
| PFT-06N | 3/8 | 36.1 | 13/16 | 20.63 | | |
| PFT-08N | 1/2 | 39.6 | 1 | 25.40 | | |

PBJ Ball Joint Union





Female NPT to Female NPT

| Part No. | Р | Dimensions (mm) | | | | | |
|----------|-----|-----------------|------|-------|-------|----------------|-------|
| | NPT | | L E | F | | F ₁ | |
| | | L | | inch | mm | inch | mm |
| PBJ-04N | 1/4 | 59.4 | 9.1 | 1-3/8 | 34.92 | 1-3/16 | 30.16 |
| PBJ-06N | 3/8 | 63.5 | 13.2 | 1-1/2 | 38.10 | 1-5/16 | 33.33 |
| PBJ-08N | 1/2 | 68.3 | 15.7 | 1-3/4 | 44.45 | 1-5/8 | 41.27 |
| PBJ-12N | 3/4 | 79.2 | 22.4 | 2-1/8 | 53.97 | 1-7/8 | 47.62 |
| PBJ-16N | 1 | 90.4 | 26.2 | 2-1/2 | 63.50 | 2-3/8 | 60.32 |

ISO Tapered threads are available for all fractional PRC, PFE, PFT, PBJ. To order, add "R" as a suffix instead of "N".

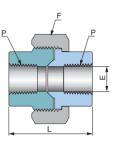
Dimensions are for reference only and are subject to change without prior notice

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PU

Pipe Union



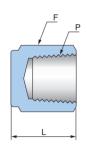


Female NPT to Female NPT

| Part No. | Р | Dimensions (mm) | | | | | | |
|---------------------------|-----|-----------------|------|----|--|--|--|--|
| | NPT | L | E | F | | | | |
| Pressure Rating, 3000psig | | | | | | | | |
| PU-08N | 1/2 | 49.2 | 17.2 | 46 | | | | |
| PU-12N | 3/4 | 57.2 | 21.5 | 54 | | | | |
| PU-16N | 1 | 62.2 | 63 | | | | | |
| Pressure Rating, 6000psig | | | | | | | | |
| PU-08N-6K | 1/2 | 58.3 | 17.2 | 54 | | | | |
| PU-12N-6K | 3/4 | 64.3 | 21.5 | 63 | | | | |
| PU-16N-6K | 1 | 72.4 | 27.5 | 82 | | | | |

PCP Pipe Cap



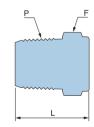


Female NPT

| | P | Dimensions (mm) | | | | |
|----------|-----|-----------------|--------|-------|--|--|
| Part No. | NPT | | ı | F | | |
| | | L | inch | mm | | |
| PCP-02N | 1/8 | 19.1 | 9/16 | 14.28 | | |
| PCP-04N | 1/4 | 23.1 | 3/4 | 19.05 | | |
| PCP-06N | 3/8 | 26.2 | 7/8 | 22.22 | | |
| PCP-08N | 1/2 | 34.0 | 1-1/16 | 26.98 | | |
| PCP-12N | 3/4 | 36.6 | 1-5/16 | 33.33 | | |
| PCP-16N | 1 | 41.1 | 1-5/8 | 41.27 | | |

PPGPipe Plug





Male NPT

| Part No. | P | Dimensions (mm) | | | | |
|----------|-----|-----------------|--------|-------|--|--|
| | NPT | L | F | | | |
| | | | inch | mm | | |
| PPG-02N | 1/8 | 19.1 | 7/16 | 11.11 | | |
| PPG-04N | 1/4 | 24.4 | 9/16 | 14.28 | | |
| PPG-06N | 3/8 | 25.1 | 11/16 | 17.46 | | |
| PPG-08N | 1/2 | 30.7 | 7/8 | 22.22 | | |
| PPG-12N | 3/4 | 30.7 | 1-1/16 | 26.98 | | |
| PPG-16N | 1 | 38.1 | 1-3/8 | 34.92 | | |

ISO Tapered threads are available for all fractional PCP, PPG. To order, add "R" as a suffix instead of "N". Dimensions are for reference only and are subject to change without prior notice

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