



Hydraulic Stainless Steel Adaptors

Pressure Ratings

| Size | 316 SS | | Brass | | Carbon Steel | |
|-------|--------|--------|-------|--------|--------------|--------|
| | Male | Female | Male | Female | Male | Female |
| 1/16 | 11000 | 6700 | 5500 | 3300 | 11000 | 6700 |
| 1/8 | 10000 | 6500 | 5000 | 3200 | 10000 | 6500 |
| 1/4 | 8000 | 6600 | 4000 | 3300 | 8000 | 6600 |
| 3/8 | 7800 | 5300 | 3900 | 2600 | 7800 | 5300 |
| 1/2 | 7700 | 4900 | 3800 | 2400 | 7700 | 4900 |
| 3/4 | 7300 | 4600 | 3600 | 2300 | 7300 | 4600 |
| 1 | 5300 | 4400 | 2600 | 2200 | 5300 | 4400 |
| 1 1/4 | 6000 | 5000 | 3000 | 2500 | 6000 | 5000 |
| 1 1/2 | 5000 | 4600 | 2500 | 2300 | 5000 | 4600 |
| 2 | 3900 | 3900 | 1900 | 1900 | 3900 | 3900 |

- Pressure ratings are based on ASME Code for pressure piping B13.3, Process piping with allowable stress 20,000psi for 316 SS 10,000psi/Brass, and 20,000psi/Carbon Steel.
- To determine pressure ratings in accordance with B31.1 Power piping - 316 SS x 0.94 / CS x 0.75 / Brass material remains same.
- To determine kPa. multiply by 6.89

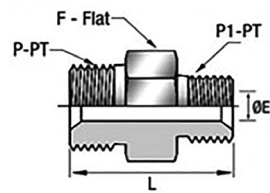
Material

| Material | Bar Stock | Forging |
|----------|----------------------------------|----------------------------------|
| 316 SS | ASTM A276, ASME SA479, EN 1.4401 | ASTM A182, ASME SA182, EN 1.4401 |

Male x Male Straight Adaptors

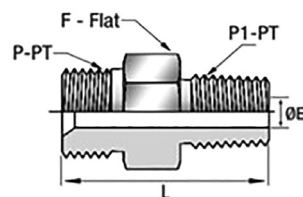
BSPP x BSPP

| Part No | P | P1 | L | F | E |
|-----------|--------|--------|--------|------|--------|
| 2025-1401 | 1/8" | 1/8" | 23.5mm | 14mm | 3.5mm |
| 2025-1419 | 1/4" | 1/8" | 28mm | 19mm | 3.5mm |
| 2025-1427 | 1/4" | 1/4" | 31.5mm | 19mm | 4.7mm |
| 2025-1435 | 3/8" | 1/8" | 30.7mm | 22mm | 3.5mm |
| 2025-1443 | 3/8" | 1/4" | 33.2mm | 22mm | 4.7mm |
| 2025-1450 | 3/8" | 3/8" | 34.7mm | 22mm | 7.9mm |
| 2025-1468 | 1/2" | 1/4" | 36.7mm | 27mm | 4.7mm |
| 2025-1476 | 1/2" | 3/8" | 38.2mm | 27mm | 4.7mm |
| 2025-1484 | 1/2" | 1/2" | 40.7mm | 27mm | 11.1mm |
| 2025-1495 | 5/8" | 1/2" | 43.2mm | 30mm | 11.1m |
| 2025-1505 | 5/8" | 5/8" | 45.2mm | 30mm | 14.3mm |
| 2025-1520 | 3/4" | 1/4" | 39.2mm | 32mm | 4.7mm |
| 2025-1526 | 3/4" | 3/8" | 40.7mm | 32mm | 7.9mm |
| 2025-1534 | 3/4" | 1/2" | 43.2mm | 32mm | 11.1mm |
| 2025-1538 | 3/4" | 5/8" | 45.2mm | 32mm | 14.3mm |
| 2025-1559 | 3/4" | 3/4" | 45.2mm | 32mm | 16.7mm |
| 2025-1567 | 1" | 1/2" | 46.9mm | 41mm | 11.1mm |
| 2025-1572 | 1" | 5/8" | 49.9mm | 41mm | 14.3mm |
| 2025-1583 | 1" | 3/4" | 48.9mm | 41mm | 16.7mm |
| 2025-1591 | 1" | 1" | 51.9mm | 41mm | 22.2mm |
| 2025-1595 | 1.1/4" | 3/4" | 57.4mm | 50mm | 16.7mm |
| 2025-1600 | 1.1/4" | 1" | 60.4mm | 50mm | 22.2mm |
| 2025-1609 | 1.1/4" | 1.1/4" | 61.4mm | 50mm | 28.6mm |
| 2025-1611 | 1.1/2" | 1" | 64.4mm | 55mm | 22.2mm |
| 2025-1615 | 1.1/2" | 1.1/4" | 65.4mm | 55mm | 28.6mm |
| 2025-1617 | 1.1/2" | 1.1/2" | 67.4mm | 55mm | 33.3mm |
| 2025-1620 | 2" | 1.1/2" | 72.9mm | 70mm | 33.3mm |
| 2025-1625 | 2" | 2" | 76.4mm | 70mm | 46mm |



BSPP x NPT

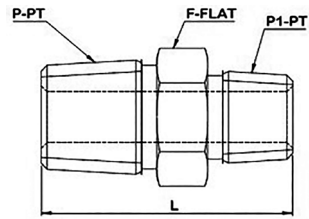
| Part No | P1 | P | L | F | E |
|-----------|--------|--------|--------|------|--------|
| 2025-1633 | 1/8" | 1/8" | 24.4mm | 14mm | 3.5mm |
| 2025-1636 | 1/8" | 1/4" | 28mm | 19mm | 3.5mm |
| 2025-1639 | 1/4" | 1/8" | 28mm | 19mm | 3.5mm |
| 2025-1641 | 1/4" | 1/4" | 33.4mm | 19mm | 4.7mm |
| 2025-1643 | 1/4" | 3/8" | 33.2mm | 22mm | 4.7mm |
| 2025-1656 | 3/8" | 1/4" | 33.2mm | 22mm | 4.7mm |
| 2025-1658 | 3/8" | 3/8" | 35.1mm | 22mm | 7.9mm |
| 2025-1661 | 3/8" | 1/2" | 38.2mm | 27mm | 7.9mm |
| 2025-1671 | 1/2" | 3/8" | 38.2mm | 27mm | 7.9mm |
| 2025-1674 | 1/2" | 1/2" | 43.4mm | 22mm | 11mm |
| 2025-1677 | 5/8" | 1/2" | 43.2mm | 30mm | 11.1mm |
| 2025-1679 | 5/8" | 3/4" | 45.2mm | 32mm | 14.3mm |
| 2025-1681 | 3/4" | 1/2" | 43.2mm | 32mm | 11.1mm |
| 2025-1682 | 3/4" | 3/4" | 45.9mm | 30mm | 16.7mm |
| 2025-1684 | 3/4" | 1" | 48.9mm | 41mm | 16.7mm |
| 2025-1687 | 1" | 3/4" | 48.9mm | 41mm | 16.7mm |
| 2025-1690 | 1" | 1" | 54.5mm | 41mm | 22.2mm |
| 2025-1700 | 1.1/4" | 1.1/4" | 63.7mm | 50mm | 28.6mm |
| 2025-1710 | 1.1/2" | 1.1/2" | 68.5mm | 55mm | 33.9mm |



Male x Male Straight Adaptors

BSPT x BSPT

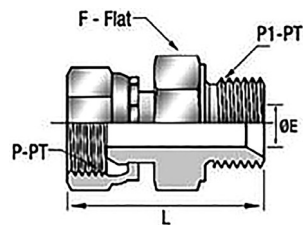
| Part No | P1 | P2 | L | F |
|-----------|--------|------|--------|--------|
| 2025-1708 | 1/8" | 1/8" | 27mm | 11.0mm |
| 2025-1715 | 1/4" | 1/8" | 31mm | 14.3mm |
| 2025-1724 | 1/4" | 1/4" | 37.4mm | 14.2mm |
| 2025-1727 | 3/8" | 1/8" | 31.8mm | 17.5mm |
| 2025-1732 | 3/8" | 1/4" | 36.3mm | 17.5mm |
| 2025-1740 | 3/8" | 3/8" | 37mm | 17.5mm |
| 2025-1845 | 1/2" | 1/8" | 37.3mm | 22.2mm |
| 2025-1852 | 1/2" | 1/4" | 41.9mm | 22.2mm |
| 2025-1856 | 1/2" | 3/8" | 41.9mm | 22.2mm |
| 2025-1865 | 1/2" | 1/2" | 46.7mm | 22.2mm |
| 2025-1881 | 3/4" | 1/8" | 40.4mm | 27.0mm |
| 2025-1885 | 3/4" | 1/4" | 41.9mm | 27.0mm |
| 2025-1889 | 3/4" | 3/8" | 45.2mm | 27.0mm |
| 2025-1894 | 3/4" | 1/2" | 46.7mm | 27mm |
| 2025-1898 | 3/4" | 3/4" | 46.7mm | 27mm |
| 2025-1905 | 1" | 1/8" | 45.2mm | 34.9mm |
| 2025-1910 | 1" | 1/4" | 49.3mm | 34.9mm |
| 2025-1915 | 1" | 3/8" | 50.0mm | 34.9mm |
| 2025-1920 | 1" | 1/2" | 54.1mm | 34.9mm |
| 2025-1925 | 1" | 3/4" | 54.1mm | 34.9mm |
| 2025-1931 | 1" | 1" | 60.7mm | 35mm |
| 2025-1935 | 1.1/4" | 1" | 62.2mm | 44.5mm |



Male x Female Straight Adaptors

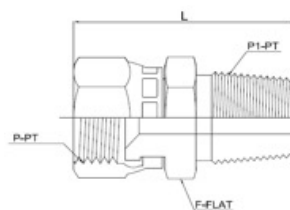
Male x Female Swivel, BSPP

| Part No | P | P1 | L | F |
|-----------|------|------|--------|------|
| 2025-1930 | 1/8" | 1/8" | 31.6mm | 14mm |
| 2025-1948 | 1/4" | 1/4" | 36.6mm | 19mm |
| 2025-1955 | 1/4" | 3/8" | 38.5mm | 22mm |
| 2025-1961 | 1/4" | 1/2" | 42mm | 27mm |
| 2025-1963 | 3/8" | 1/4" | 38.3mm | 22mm |
| 2025-1971 | 3/8" | 3/8" | 40mm | 22mm |
| 2025-1989 | 3/8" | 1/2" | 43.6mm | 27mm |
| 2025-1997 | 1/2" | 3/8" | 43.5mm | 27mm |
| 2025-2003 | 1/2" | 1/2" | 46.1mm | 27mm |
| 2025-2020 | 1/2" | 3/4" | 48mm | 32mm |
| 2025-2029 | 3/4" | 1/2" | 48.6mm | 32mm |
| 2025-2037 | 3/4" | 3/4" | 50mm | 32mm |
| 2025-2043 | 3/4" | 1" | 54.3mm | 41mm |
| 2025-2060 | 1" | 1" | 57.3mm | 41mm |



Male x Female Swivel, BSPP

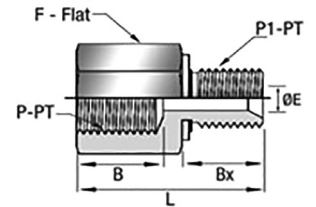
| Part No | P | P1 | L | F |
|-----------|------|------|--------|--------|
| 2033-9862 | 1/8" | 1/8" | 31.6mm | 11mm |
| 2033-9867 | 1/4" | 1/4" | 36.6mm | 14.2mm |
| 2033-9875 | 3/8" | 3/8" | 40mm | 17.5mm |
| 2033-9883 | 1/2" | 1/2" | 46.1mm | 22.2mm |
| 2033-9891 | 3/4" | 3/4" | 50.0mm | 27.0mm |
| 2033-9896 | 1" | 1" | 57.3mm | 35mm |



Male x Female Straight Adaptors

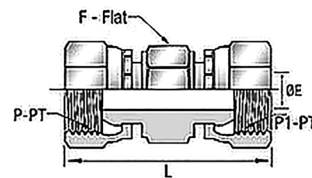
Male x Female Fixed, BSPP

| Part No | P | P1 | L | F | B | Bx | E |
|-----------|------|------|--------|--------|--------|---------|--------|
| 2025-8121 | 1/8" | 1/8" | 25.1mm | 14.3mm | 9.9mm | 7.1mm | 4.1mm |
| 2025-8142 | 1/4" | 1/4" | 33.5mm | 19.1mm | 10.4mm | 11.2mm | 5.8mm |
| 2025-8161 | 3/8" | 1/4" | 37.1mm | 22mm | 15mm | 11mm | 4.7mm |
| 2025-8171 | 3/8" | 3/8" | 35.8mm | 22.2mm | 15mm | 11.2mm | 7.9mm |
| 2025-8181 | 1/2" | 1/4" | 38mm | 27mm | 19.8mm | 11mm | 4.7mm |
| 2025-8191 | 3/4" | 1/4" | 40mm | 32mm | 20.6mm | 11mm | 4.7mm |
| 2025-8201 | 1/2" | 3/8" | 45.3mm | 30mm | 19.8mm | 12mm | 7.9mm |
| 2025-8211 | 1/2" | 1/2" | 44.2mm | 27mm | 15mm | 14.2mm | 11.9mm |
| 2025-8221 | 3/4" | 3/8" | 41.6mm | 32mm | 20.6mm | 12mm | 7.9mm |
| 2025-8231 | 3/4" | 1/2" | 47.3mm | 32mm | 20.6mm | 14mm | 11.1mm |
| 2025-8241 | 3/4" | 3/4" | 48mm | 33.3mm | 20.6mm | 15.7mm | 15.7mm |
| 2025-8251 | 1" | 1/2" | 50.3mm | 41mm | 25.4mm | 14mm | 11.1mm |
| 2025-8261 | 1" | 1" | 53.3mm | 41.3mm | 25.4mm | 18.30mm | 19.8mm |
| 2025-8271 | 1" | 3/4" | 52.2mm | 41mm | 25.4mm | 16mm | 16.7mm |



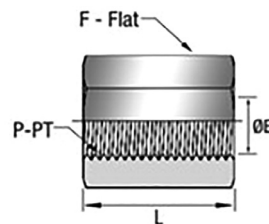
Female x Female Straight Adaptors

| Part No | P | P1 | L | F | E |
|-----------|------|------|--------|------|--------|
| 2025-2078 | 1/4" | 1/4" | 37mm | 19mm | 4.7mm |
| 2025-2082 | 3/8" | 1/4" | 38.6mm | 22mm | 4.7mm |
| 2025-2086 | 3/8" | 3/8" | 40.5mm | 22mm | 7.9mm |
| 2025-2089 | 1/2" | 1/4" | 41.5mm | 27mm | 4.7mm |
| 2025-2093 | 1/2" | 3/8" | 42.9mm | 27mm | 7.9mm |
| 2025-2094 | 1/2" | 1/2" | 45.8mm | 27mm | 11.1mm |
| 2025-2100 | 5/8" | 5/8" | 47.5mm | 30mm | 14.3mm |
| 2025-2122 | 3/4" | 1/2" | 48.2mm | 32mm | 11.1mm |
| 2025-2132 | 3/4" | 3/4" | 49.5mm | 32mm | 16.7mm |
| 2025-2110 | 1" | 1" | 57.5mm | 41mm | 22.2mm |



Fixed Female Hexagon Socket, BSPP

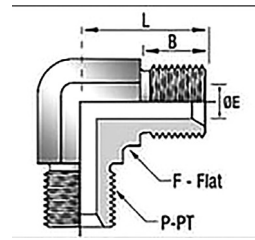
| Part No | P | L | F | E |
|-----------|------|--------|--------|--------|
| 2025-2466 | 1/8" | 20.6mm | 14.3mm | 8.6mm |
| 2025-2474 | 1/4" | 30.2mm | 19.1mm | 11.4mm |
| 2025-2482 | 3/8" | 33.3mm | 22.2mm | 15mm |
| 2025-2490 | 1/2" | 39.6mm | 27mm | 18.5mm |
| 2025-2508 | 3/4" | 41.1mm | 33.3mm | 23.9mm |
| 2025-2516 | 1" | 50.8mm | 41.3mm | 29.7mm |



Elbows

Equal Elbow, BSPP

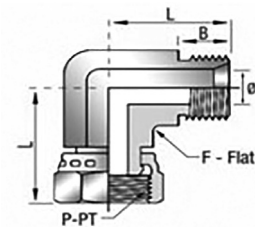
| Part No | P | L | F | B | E |
|-----------|--------|--------|------|------|--------|
| 2033-9922 | 1/8" | 16.6mm | 11mm | 8mm | 3.5mm |
| 2033-9933 | 1/4" | 27.8mm | 14mm | 11mm | 4.7mm |
| 2033-9941 | 3/8" | 31.7mm | 19mm | 12mm | 7.9mm |
| 2033-9958 | 1/2" | 37mm | 22mm | 14mm | 11.1mm |
| 2033-9962 | 5/8" | 39mm | 22mm | 16mm | 14.3mm |
| 2033-9963 | 3/4" | 41.6mm | 27mm | 16mm | 16.7mm |
| 2033-9974 | 1" | 49.7mm | 23mm | 19mm | 22.2mm |
| 2033-9982 | 1.1/4" | 54.4mm | 48mm | 20mm | 28.6mm |
| 2033-9992 | 1.1/2" | 56.4mm | 48mm | 22mm | 33.3mm |



Elbows

Male x Female Swivel BSPP

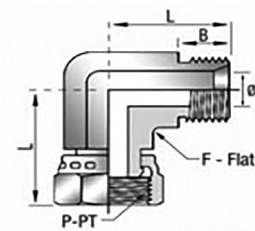
| Part No | P | L | L1 | F | B | E |
|-----------|--------|--------|--------|------|------|--------|
| 2025-2185 | 1/8" | 16.6mm | 22mm | 11mm | 8mm | 3.5mm |
| 2025-2193 | 1/4" | 27.8mm | 31.2mm | 19mm | 11mm | 4.7mm |
| 2025-2201 | 3/8" | 31.7mm | 36.2mm | 22mm | 12mm | 7.9mm |
| 2025-2219 | 1/2" | 37mm | 41mm | 27mm | 14mm | 11.1mm |
| 2025-2223 | 5/8" | 39mm | 41.6mm | 27mm | 16mm | 14.3mm |
| 2025-2227 | 3/4" | 41.6mm | 45.3mm | 33mm | 16mm | 16.7mm |
| 2025-2232 | 1" | 49.7mm | 53.9mm | 41mm | 19mm | 22.2mm |
| 2025-2240 | 1.1/4" | 54.4mm | 60mm | 48mm | 20mm | 28.6mm |
| 2025-2245 | 1.1/2" | 53.7mm | 63.3mm | 48mm | 22mm | 33.3mm |



Elbows

Female Swivel, BSPP

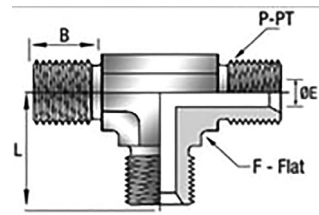
| Part No | P | F | L | E |
|-----------|------|------|--------|--------|
| 2025-2136 | 1/4" | 14mm | 30.5mm | 4.7mm |
| 2025-2151 | 1/2" | 22mm | 38.8mm | 11.1mm |
| 2025-2169 | 3/4" | 27mm | 42.3mm | 16.7mm |



Tees

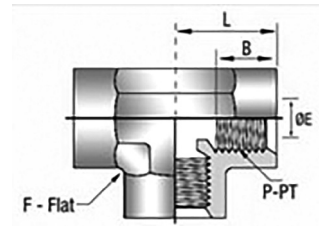
Male, BSPP

| Part No | P | L | F | B | E |
|-----------|-----|------|------|------|------|
| 2025-2321 | 1/8 | 16.6 | 11.0 | 8.0 | 3.5 |
| 2025-2326 | 1/4 | 27.8 | 19.0 | 11.0 | 4.7 |
| 2025-2334 | 3/8 | 31.7 | 22.0 | 12.0 | 7.9 |
| 2025-2342 | 1/2 | 37.0 | 27.0 | 14.0 | 11.1 |
| 2025-2449 | 3/4 | 41.9 | 33.0 | 16.0 | 16.7 |
| 2025-2354 | 1 | 41.9 | 41.0 | 19.0 | 22.2 |



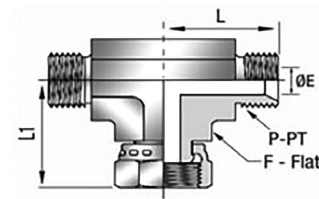
Female Swivel, BSPP

| Part No | P-PT, BSPP | L | F | E |
|-----------|------------|------|------|------|
| 2025-2250 | 1/4 | 30.5 | 14.0 | 4.7 |
| 2025-2258 | 3/8 | 33.0 | 19.0 | 7.9 |
| 2025-2263 | 1/2 | 38.8 | 22.0 | 11.0 |
| 2025-2273 | 5/8 | 42.3 | 27.0 | 16.7 |
| 2025-2283 | 3/4 | 49.0 | 33.0 | 22.2 |
| 2025-2293 | 1 | 58.2 | 41.0 | 28.6 |



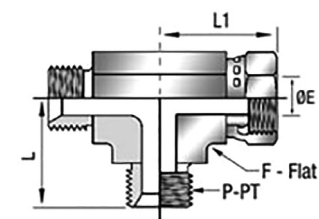
Female Swivel Branch, BSPP

| Part No | P-PT, BSPP | L | L1 | F | E |
|-----------|------------|------|------|------|------|
| 2025-4001 | 1/8 | 16.6 | 22.0 | 11.0 | 3.5 |
| 2025-4011 | 1/4 | 27.8 | 31.2 | 19.0 | 4.7 |
| 2025-4021 | 3/8 | 31.7 | 36.2 | 27.0 | 7.9 |
| 2025-4031 | 1/2 | 37.0 | 41.0 | 27.0 | 11.1 |
| 2025-4041 | 3/4 | 45.3 | 45.3 | 33.0 | 16.7 |
| 2025-4051 | 1 | 53.9 | 53.9 | 41.0 | 22.2 |



Female Swivel Run, BSPP

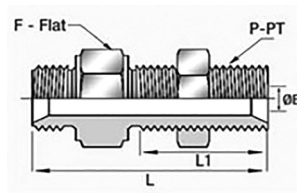
| Part No | PT, BSPP | L | L1 | F | E |
|-----------|----------|------|------|------|------|
| 2025-4501 | 1/8 | 16.6 | 22.0 | 11.0 | 3.5 |
| 2025-4511 | 1/4 | 27.8 | 31.2 | 19.0 | 4.7 |
| 2025-4521 | 3/8 | 31.7 | 36.2 | 27.0 | 7.9 |
| 2025-4531 | 1/2 | 31.7 | 41.0 | 27.0 | 11.1 |
| 2025-4541 | 3/4 | 41.6 | 45.3 | 33.0 | 16.7 |
| 2025-4551 | 1 | 49.7 | 53.9 | 41.0 | 22.2 |



Bulkhead Complete with Locknut

Bulkhead Complete with Locknut

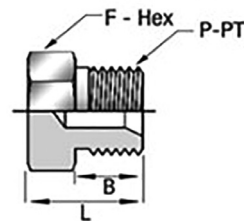
| Part No | P-PT, BSPP | L | L1 | F | E |
|-----------|------------|------|------|------|------|
| 2025-2391 | 1/4 | 46.8 | 28.0 | 19.0 | 4.7 |
| 2025-2409 | 3/8 | 52.5 | 32.0 | 22.0 | 7.9 |
| 2025-2417 | 1/2 | 59.0 | 35.0 | 27.0 | 11.1 |
| 2025-2425 | 5/8 | 66.5 | 35.0 | 30.0 | 14.3 |
| 2025-2433 | 3/4 | 64.5 | 38.0 | 32.0 | 16.7 |
| 2025-2441 | 1 | 71.2 | 41.0 | 41.0 | 22.2 |
| 2025-2445 | 1.1/4 | 82.7 | 44.0 | 50.0 | 28.6 |
| 2025-2450 | 1.1/2 | 90.7 | 48.0 | 55.0 | 33.3 |



Plugs

BSPP

| Part No | P-PT, BSPP | L | F | B |
|-----------|------------|------|------|------|
| 2033-4002 | 1/8 | 14.3 | 14.0 | 8.0 |
| 2033-4012 | 1/4 | 18.8 | 19.0 | 11.0 |
| 2033-4022 | 3/8 | 20.5 | 22.0 | 12.0 |
| 2033-4032 | 1/2 | 24.0 | 27.0 | 14.0 |
| 2033-4042 | 5/8 | 24.0 | 30.0 | 16.0 |
| 2033-4052 | 3/4 | 26.5 | 32.0 | 16.0 |
| 2033-4062 | 1 | 30.2 | 41.0 | 19.0 |
| 2033-4072 | 1.1/4 | 38.7 | 50.0 | 20.0 |
| 2033-4082 | 1.1/2 | 42.7 | 55.0 | 22.0 |
| 2033-4092 | 2 | 48.2 | 70.0 | 25.0 |



BSPT

| Part No | P-PT, BSPT | L | F | B |
|-----------|------------|------|------|------|
| 2025-2524 | 1/8 | 14.2 | 11.1 | 9.7 |
| 2025-2532 | 1/4 | 19.1 | 14.3 | 14.2 |
| 2025-2540 | 3/8 | 19.8 | 17.5 | 14.2 |
| 2025-2557 | 1/2 | 24.6 | 22.2 | 19.1 |
| 2025-2565 | 3/4 | 30.7 | 27.0 | 19.1 |
| 2025-2573 | 1 | 38.1 | 34.9 | 23.9 |
| 2025-2582 | 1.1/4 | 38.4 | 44.5 | 23.9 |
| 2025-2592 | 1.1/2 | 43.7 | 50.8 | 26.2 |
| 2025-2602 | 2 | 50.8 | 69.9 | 26.2 |

