# NERO

PIPELINE CONNECTIONS

TUBES | PIPES | BALL VALVES | PIPE FITTINGS | FLANGES

## PRODUCT CATALOGUE / 2019

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PIPELINE CONNECTIONS

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SECTION 1

# 150LB FITTINGS

/01

Nero's range of 150LB fittings are available threaded BSP and NPT, or with socket weld end connections.

- They are made from high quality investment castings to ISO4144 or above.
- BSP threads are to ISO 228-1 and 7-1
- NPT threads are to ANSI B2.1
- Made from 316 (CF8M) stainless steel

**Table 1: Pressure - temperature rating**

| Temperature (°c) | No-shock maximum working pressure (bar) |
|---|---|
| -20 to 40 | 20 |
| 100 | 16.5 |
| 150 | 15 |
| 200 | 14 |
| 220 | 13.5 |

**Note 1:** Pressure for intermediate temperatures may be determined by the interpolation method
**Note 2:** Temperatures indicated are those of the internal fluid
**Note 3:** Piping loads, stresses and moments are not taken into account

| Size | B |
|---|---|
| 1/8 | 10.7 mm |
| 1/4 | 14 mm |
| 3/8 | 17.5 mm |
| 1/2 | 21.6 mm |
| 3/4 | 27 mm |
| 1 | 33.8 mm |
| 1-1/4 | 42.4 mm |
| 1-1/2 | 48.5 mm |
| 2 | 61.2 mm |
| 2-1/2 | 74.19 mm |
| 3 | 90.17 mm |
| 4 | 115.8 mm |

Socket Weld Bore

## 90º Female Elbow

- Available threaded BSPP/NPT and socket weld from 1/8" to 4" nominal bore
- BSPP female thread to ISO7-1
- NPT female thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | SW |
| 1/8 | E02 | E02N | E02SW |
| 1/4 | E04 | E04N | E04SW |
| 3/8 | E06 | E06N | E06SW |
| 1/2 | E08 | E08N | E08SW |
| 3/4 | E12 | E12N | E12SW |
| 1 | E16 | E16N | E16SW |
| 1-1/4 | E20 | E20N | E20SW |
| 1-1/2 | E24 | E24N | E24SW |
| 2 | E32 | E32N | E32SW |
| 2-1/2 | E40 | E40N | E40SW |
| 3 | E48 | E48N | E48SW |
| 4 | E64 | E64N | E64SW |

## 45° Female Elbow

- Available threaded BSPP/NPT and socket weld from 1/8" to 4" nominal bore
- BSPP female thread to ISO7-1
- NPT female thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | SW |
| 1/8 | EA02 | EA02N | EA02SW |
| 1/4 | EA04 | EA04N | EA04SW |
| 3/8 | EA06 | EA06N | EA06SW |
| 1/2 | EA08 | EA08N | EA08SW |
| 3/4 | EA12 | EA12N | EA12SW |
| 1 | EA16 | EA16N | EA16SW |
| 1-1/4 | EA20 | EA20N | EA20SW |
| 1-1/2 | EA24 | EA24N | EA24SW |
| 2 | EA32 | EA32N | EA32SW |
| 2-1/2 | EA40 | EA40N | EA40SW |
| 3 | EA48 | EA48N | EA48SW |
| 4 | EA64 | EA64N | EA64SW |

## 90° Male/Female Elbow

- Available threaded BSPP/BSPT and NPT from 1/8" to 4" nominal bore
- BSPP female/BSPT male to ISO7-1
- NPT male/female thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | |
|---|---|---|
| | BSP | NPT |
| 1/8 | SE02 | SE02N |
| 1/4 | SE04 | SE04N |
| 3/8 | SE06 | SE06N |
| 1/2 | SE08 | SE08N |
| 3/4 | SE12 | SE12N |
| 1 | SE16 | SE16N |
| 1-1/4 | SE20 | SE20N |
| 1-1/2 | SE24 | SE24N |
| 2 | SE32 | SE32N |
| 2-1/2 | SE40 | SE40N |
| 3 | SE48 | SE48N |
| 4 | SE64 | - |

## 45° Male/Female Elbow

- Available threaded BSPP/BSPT from 1/8" to 2" nominal bore
- BSPP female/BSPT male to ISO7-1
- Maximum pressure 20BAR

| Size | Code |
|---|---|
| | BSP |
| 1/8 | SEA02 |
| 1/4 | SEA04 |
| 3/8 | SEA06 |
| 1/2 | SEA08 |
| 3/4 | SEA12 |
| 1 | SEA16 |
| 1-1/4 | SEA20 |
| 1-1/2 | SEA24 |
| 2 | SEA32 |

## 90° Female Reducing Elbow

- Available threaded BSPP from 1/8" to 2" Nominal bore
- BSPP female thread to ISO7-1
- Maximum pressure 20BAR

| Size | Code BSP |
|---|---|
| 1/4 x 1/8 | RE0402 |
| 3/8 x 1/4 | RE0604 |
| 1/2 x 1/4 | RE0804 |
| 1/2 x 3/8 | RE0806 |
| 3/4 x 3/8 | RE1206 |
| 3/4 x 1/2 | RE1208 |
| 1 x 1/2 | RE1608 |
| 1 x 3/4 | RE1612 |
| 1-1/4 x 3/4 | RE2012 |
| 1-1/4 x 1 | RE2016 |
| 1-1/2 x 1 | RE2416 |
| 1-1/2 x 1-1/4 | RE2420 |
| 2 x 1 | RE3216 |
| 2 x 1-1/4 | RE3220 |
| 2 x 1-1/2 | RE3224 |

## 90° Female Union Elbow

- Available threaded BSPP from 1/8" to 2" nominal bore
- BSPP female thread to ISO7-1
- Conical union seat
- Maximum pressure 20BAR

| Size | Code BSP |
|---|---|
| 1/8 | EUC02 |
| 1/4 | EUC04 |
| 3/8 | EUC06 |
| 1/2 | EUC08 |
| 3/4 | EUC12 |
| 1 | EUC16 |
| 1-1/4 | EUC20 |
| 1-1/2 | EUC24 |
| 2 | EUC32 |

## Hexagon Head Plug

- Available threaded BSPT and NPT from 1/8" to 4" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code BSP | NPT |
|---|---|---|
| 1/8 | HP02 | HP02N |
| 1/4 | HP04 | HP04N |
| 3/8 | HP06 | HP06N |
| 1/2 | HP08 | HP08N |
| 3/4 | HP12 | HP12N |
| 1 | HP16 | HP16N |
| 1-1/4 | HP20 | HP20N |
| 1-1/2 | HP24 | HP24N |
| 2 | HP32 | HP32N |
| 2-1/2 | HP40 | HP40N |
| 3 | HP48 | HP48N |
| 4 | HP64 | HP64N |

## Square Head Plug

- Available threaded BSPT and NPT from 1/8" to 4" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code BSP | NPT |
|---|---|---|
| 1/8 | SP02 | SP02N |
| 1/4 | SP04 | SP04N |
| 3/8 | SP06 | SP06N |
| 1/2 | SP08 | SP08N |
| 3/4 | SP12 | SP12N |
| 1 | SP16 | SP16N |
| 1-1/4 | SP20 | SP20N |
| 1-1/2 | SP24 | SP24N |
| 2 | SP32 | SP32N |
| 2-1/2 | SP40 | SP40N |
| 3 | SP48 | SP48N |
| 4 | SP64 | SP64N |

## Round Cap

- Available threaded BSPP/NPT and socket weld from 1/8" to 4" nominal bore
- BSPP female thread to ISO7-1
- NPT female thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | SW |
| 1/8 | RC02 | RC02N | RC02SW |
| 1/4 | RC04 | RC04N | RC04SW |
| 3/8 | RC06 | RC06N | RC06SW |
| 1/2 | RC08 | RC08N | RC08SW |
| 3/4 | RC12 | RC12N | RC12SW |
| 1 | RC16 | RC16N | RC16SW |
| 1-1/4 | RC20 | RC20N | RC20SW |
| 1-1/2 | RC24 | RC24N | RC24SW |
| 2 | RC32 | RC32N | RC32SW |
| 2-1/2 | RC40 | RC40N | RC40SW |
| 3 | RC48 | RC48N | RC48SW |
| 4 | RC64 | RC64N | RC64SW |

## Hexagon Cap

- Available threaded BSPT and NPT from 1/8" to 4" nominal bore
- BSPP female thread to ISO7-1
- NPT female thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | |
|---|---|---|
| | BSP | NPT |
| 1/8 | HC02 | HC02N |
| 1/4 | HC04 | HC04N |
| 3/8 | HC06 | HC06N |
| 1/2 | HC08 | HC08N |
| 3/4 | HC12 | HC12N |
| 1 | HC16 | HC16N |
| 1-1/4 | HC20 | HC20N |
| 1-1/2 | HC24 | HC24N |
| 2 | HC32 | HC32N |
| 2-1/2 | HC40 | HC40N |
| 3 | HC48 | HC48N |
| 4 | HC64 | HC64N |

## Half Socket

- Available threaded BSPP/NPT and socket weld from 1/8" to 4" nominal bore
- BSPP female thread to ISO 228-1
- NPT female thread to ANSI B2.1
- Maximum pressure 50BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | SW |
| 1/8 | HS02 | HS02N | HS02SW |
| 1/4 | HS04 | HS04N | HS04SW |
| 3/8 | HS06 | HS06N | HS06SW |
| 1/2 | HS08 | HS08N | HS08SW |
| 3/4 | HS12 | HS12N | HS12SW |
| 1 | HS16 | HS16N | HS16SW |
| 1-1/4 | HS20 | HS20N | HS20SW |
| 1-1/2 | HS24 | HS24N | HS24SW |
| 2 | HS32 | HS32N | HS32SW |
| 2-1/2 | HS40 | - | HS40SW |
| 3 | HS48 | - | HS48SW |
| 4 | HS64 | - | HS64SW |

## Full Socket

- Available threaded BSPP/NPT and socket weld from 1/8" to 6" nominal bore
- BSPP female thread to ISO 228-1
- NPT female thread to ANSI B2.1
- Maximum pressure 50BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | SW |
| 1/8 | S02 | S02N | S02SW |
| 1/4 | S04 | S04N | S04SW |
| 3/8 | S06 | S06N | S06SW |
| 1/2 | S08 | S08N | S08SW |
| 3/4 | S12 | S12N | S12SW |
| 1 | S16 | S16N | S16SW |
| 1-1/4 | S20 | S20N | S20SW |
| 1-1/2 | S24 | S24N | S24SW |
| 2 | S32 | S32N | S32SW |
| 2-1/2 | S40 | S40N | S40SW |
| 3 | S48 | S48N | S48SW |
| 4 | S64 | S64N | S64SW |
| 5 | S80 | | |
| 6 | S96 | | |

## Cone Seat Union Female/Female

- Available threaded BSPP/NPT and Socket weld from 1/8" to 4" Nominal bore
- BSPP Female thread to ISO 7-1
- NPT Female thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | SW |
| 1/8 | UC02 | UC02N | UC02SW |
| 1/4 | UC04 | UC04N | UC04SW |
| 3/8 | UC06 | UC06N | UC06SW |
| 1/2 | UC08 | UC08N | UC08SW |
| 3/4 | UC12 | UC12N | UC12SW |
| 1 | UC16 | UC16N | UC16SW |
| 1-1/4 | UC20 | UC20N | UC20SW |
| 1-1/2 | UC24 | UC24N | UC24SW |
| 2 | UC32 | UC32N | UC32SW |
| 2-1/2 | UC40 | UC40N | UC40SW |
| 3 | UC48 | UC48N | UC48SW |
| 4 | UC64 | UC64N | UC64SW |

## Butt Weld Conical Union

- Schedule 40 butt weld ends
- Conical union seat
- Maximum pressure 20BAR

| Size | Code |
|---|---|
| | BW |
| 1/8 | UCBW02 |
| 1/4 | UCBW04 |
| 3/8 | UCBW06 |
| 1/2 | UCBW08 |
| 3/4 | UCBW12 |
| 1 | UCBW16 |
| 1-1/4 | UCBW20 |
| 1-1/2 | UCBW24 |
| 2 | UCBW32 |

## Cone Seat Union Male/Female

- Available threaded BSPP/BSPT from 1/8" to 2" Nominal bore
- BSPP Female/BSPT Male thread to ISO7-1
- Conical union seat
- Maximum pressure 20BAR

| Size | Code |
|---|---|
| | BSP |
| 1/8 | UCMF02 |
| 1/4 | UCMF04 |
| 3/8 | UCMF06 |
| 1/2 | UCMF08 |
| 3/4 | UCMF12 |
| 1 | UCMF16 |
| 1-1/4 | UCMF20 |
| 1-1/2 | UCMF24 |
| 2 | UCMF32 |

## Cone Seat Union Male/Male

- Available threaded BSPT from 1/8" to 2" Nominal bore
- BSPT Male thread to ISO7-1
- Conical union seat
- Maximum pressure 20BAR

| Size | Code |
|---|---|
| | BSP |
| 1/8 | UCMM02 |
| 1/4 | UCMM04 |
| 3/8 | UCMM06 |
| 1/2 | UCMM08 |
| 3/4 | UCMM12 |
| 1 | UCMM16 |
| 1-1/4 | UCMM20 |
| 1-1/2 | UCMM24 |
| 2 | UCMM32 |

## Flat Seat Female Union

- Available threaded BSPP from 1/8" to 2" Nominal bore
- BSPP to ISO7-1
- Flat seat with PTFE seal
- Maximum pressure 20BAR

| Size | Code BSP |
|---|---|
| 1/8 | UF02 |
| 1/4 | UF04 |
| 3/8 | UF06 |
| 1/2 | UF08 |
| 3/4 | UF12 |
| 1 | UF16 |
| 1-1/4 | UF20 |
| 1-1/2 | UF24 |
| 2 | UF32 |

## Flat Seat Union Male/Female

- Available threaded BSPP/BSPT from 1/8" to 2" Nominal bore
- BSPP and BSPT to ISO7-1
- Flat seat with PTFE seal
- Maximum pressure 20BAR

| Size | Code BSP |
|---|---|
| 1/8 | UFMF02 |
| 1/4 | UFMF04 |
| 3/8 | UFMF06 |
| 1/2 | UFMF08 |
| 3/4 | UFMF12 |
| 1 | UFMF16 |
| 1-1/4 | UFMF20 |
| 1-1/2 | UFMF24 |
| 2 | UFMF32 |

## Flat Seat Union Male/Male

- Available threaded BSPT from 1/8" to 2" Nominal bore
- BSPT to ISO7-1
- Flat seat with PTFE seal
- Maximum pressure 20BAR

| Size | Code BSP |
|---|---|
| 1/8 | UFMM02 |
| 1/4 | UFMM04 |
| 3/8 | UFMM06 |
| 1/2 | UFMM08 |
| 3/4 | UFMM12 |
| 1 | UFMM16 |
| 1-1/4 | UFMM20 |
| 1-1/2 | UFMM24 |
| 2 | UFMM32 |

## Equal Tee

- Available threaded BSPP/NPT and Socket weld from 1/8" to 4" Nominal bore
- BSPP to ISO7-1
- NPT to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code BSP | NPT | SW |
|---|---|---|---|
| 1/8 | T02 | T02N | T02SW |
| 1/4 | T04 | T04N | T04SW |
| 3/8 | T06 | T06N | T06SW |
| 1/2 | T08 | T08N | T08SW |
| 3/4 | T12 | T12N | T12SW |
| 1 | T16 | T16N | T16SW |
| 1-1/4 | T20 | T20N | T20SW |
| 1-1/2 | T24 | T24N | T24SW |
| 2 | T32 | T32N | T32SW |
| 2-1/2 | T40 | T40N | T40SW |
| 3 | T48 | T48N | T48SW |
| 4 | T64 | T64N | T64SW |

## Hexagon Nipple

- Available threaded BSPT and NPT from 1/8" to 4" nominal bore
- BSPT to ISO7-1
- NPT to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | |
|---|---|---|
| | BSP | NPT |
| 1/8 | HN02 | HN02N |
| 1/4 | HN04 | HN04N |
| 3/8 | HN06 | HN06N |
| 1/2 | HN08 | HN08N |
| 3/4 | HN12 | HN12N |
| 1 | HN16 | HN16N |
| 1-1/4 | HN20 | HN20N |
| 1-1/2 | HN24 | HN24N |
| 2 | HN32 | HN32N |
| 2-1/2 | HN40 | HN40N |
| 3 | HN48 | HN48N |
| 4 | HN64 | HN64N |

## Barrel Nipple

- Available threaded BSPT and NPT from 1/8" to 6" nominal bore
- BSPT to ISO7-1
- NPT to ANSI B2.1
- Maximum pressure 50BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | Length |
| 1/8 | BN02 | BN02N | 30mm |
| 1/4 | BN04 | BN04N | 30mm |
| 3/8 | BN06 | BN06N | 40mm |
| 1/2 | BN08 | BN08N | 60mm |
| 3/4 | BN12 | BN12N | 60mm |
| 1 | BN16 | BN16N | 60mm |
| 1-1/4 | BN20 | BN20N | 80mm |
| 1-1/2 | BN24 | BN24N | 80mm |
| 2 | BN32 | BN32N | 100mm |
| 2-1/2 | BN40 | BN40N | 100mm |
| 3 | BN48 | BN48N | 120mm |
| 4 | BN64 | BN64N | 120mm |
| 5 | BN80 | BN80N | 150mm |
| 6 | BN96 | BN96N | 150mm |

## Weld Nipple

- Available threaded BSPT and NPT from 1/8" to 6" nominal bore
- BSPT to ISO7-1
  NPT to ANSI B2.1
- Maximum pressure 50BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | Length |
| 1/8 | WN02 | WN02N | 30mm |
| 1/4 | WN04 | WN04N | 30mm |
| 3/8 | WN06 | WN06N | 30mm |
| 1/2 | WN08 | WN08N | 35mm |
| 3/4 | WN12 | WN12N | 40mm |
| 1 | WN16 | WN16N | 40mm |
| 1-1/4 | WN20 | WN20N | 50mm |
| 1-1/2 | WN24 | WN24N | 50mm |
| 2 | WN32 | WN32N | 50mm |
| 2-1/2 | WN40 | WN40N | 60mm |
| 3 | WN48 | WN48N | 70mm |
| 4 | WN64 | WN64N | 80mm |
| 5 | WN80 | WN80N | 100mm |
| 6 | WN96 | WN96N | 100mm |

## Close Taper Nipple

- Available threaded BSPT from 1/8" to 4" nominal bore
- BSPT to ISO7-1
- Maximum pressure 50BAR

| Size | Code | |
|---|---|---|
| | BSP | Length |
| 1/8 | CTN02 | 23mm |
| 1/4 | CTN04 | 24mm |
| 3/8 | CTN06 | 25mm |
| 1/2 | CTN08 | 29mm |
| 3/4 | CTN12 | 32mm |
| 1 | CTN16 | 38mm |
| 1-1/4 | CTN20 | 38mm |
| 1-1/2 | CTN24 | 44mm |
| 2 | CTN32 | 44mm |
| 2-1/2 | CTN40 | 57mm |
| 3 | CTN48 | 64mm |
| 4 | CTN64 | 76mm |

## Parallel Nipple

- Available threaded BSPP from 1/8" to 4" nominal bore
- BSPP male thread to ISO 228/1
- Maximum pressure 50BAR

| Size | Code | |
|---|---|---|
| | BSP | Length |
| 1/8 | PN02 | 16mm |
| 1/8 | PN02-30 | 30mm |
| 1/4 | PN04 | 18mm |
| 1/4 | PN04-30 | 30mm |
| 3/8 | PN06 | 22mm |
| 3/8 | PN06-40 | 40mm |
| 1/2 | PN08 | 25mm |
| 1/2 | PN08-50 | 50mm |
| 3/4 | PN12 | 30mm |
| 3/4 | PN12-60 | 60mm |
| 1 | PN16 | 35mm |
| 1 | PN16-50 | 50mm |

| Size | Code | |
|---|---|---|
| | BSP | Length |
| 1 | PN16-70 | 70mm |
| 1-1/4 | PN20 | 38mm |
| 1-1/4 | PN20-75 | 75mm |
| 1-1/2 | PN24 | 38mm |
| 1-1/2 | PN24-75 | 75mm |
| 2 | PN32 | 45mm |
| 2 | PN32-90 | 90mm |
| 2-1/2 | PN40 | 55mm |
| 3 | PN48 | 60mm |
| 4 | PN64 | 70mm |

## Male Hosetail

- Available threaded BSPT and NPT from 1/8" to 4" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | | | |
|---|---|---|---|---|
| | BSP | NPT | Thread | Hose diameter |
| 1/8 | HT02 | - | 1/8 | 3.5mm |
| 3/16 | HT03 | - | 1/8 | 5mm |
| 1/4 | HT04 | HT04N | 1/4 | 6.3mm |
| 5/16 | HT05 | HT05N | 1/4 | 8mm |
| 3/8 | HT06 | HT04N | 3/8 | 9.53mm |
| 1/2 | HT08 | HT08N | 1/2 | 12.7mm |
| 5/8 | HT10 | HT10N | 1/2 | 16mm |
| 3/4 | HT12 | HT12N | 3/4 | 19.05mm |
| 1 | HT16 | HT16N | 1 | 25.4mm |
| 1-1/4 | HT20 | HT20N | 1-1/4 | 31.8mm |
| 1-1/2 | HT24 | HT24N | 1-1/2 | 38.1mm |
| 2 | HT32 | HT32N | 2 | 50.8mm |
| 2-1/2 | HT40 | HT40N | 2-1/2 | 63.5mm |
| 3 | HT48 | HT48N | 3 | 76.2mm |
| 4 | HT64 | HT64N | 4 | 101.6mm |

## Female Hosetail

- Available threaded BSPP to ISO 7-1 from 1/4" to 2" Nominal bore
- BSPP female thread to ISO7-1
- Maximum pressure 20BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | Thread | Hose |
| 1/4 | FHT04 | 1/4 | 6.3mm |
| 5/16 | FHT05 | 1/4 | 8mm |
| 3/8 | FHT06 | 3/8 | 9.53mm |
| 1/2 | FHT08 | 1/2 | 12.7mm |
| 3/4 | FHT12 | 3/4 | 19.05mm |
| 1 | FHT16 | 1 | 25.4mm |
| 1-1/4 | FHT20 | 1-1/4 | 31.8mm |
| 1-1/2 | FHT24 | 1-1/2 | 38.1mm |
| 2 | FHT32 | 2 | 50.8mm |

## Reducing Hosetail

- Available threaded BSPT and NPT from 1/8" to 2" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | | | |
|---|---|---|---|---|
| | BSP | NPT | Thread | Hose |
| 1/8 x 1/4 | RHT0204 | - | 1/4 | 3.5mm |
| 3/16 x 1/4 | RHT0304 | - | 1/4 | 5mm |
| 1/4 x 1/8 | RHT0402 | RHT0402N | 1/8 | 6.3mm |
| 1/4 x 3/8 | RHT0406 | RHT0406N | 3/8 | 6.3mm |
| 1/4 x 1/2 | RHT0408 | RHT0408N | 1/2 | 6.3mm |
| 5/16 x 1/8 | RHT0502 | RHT0502N | 1/8 | 8mm |
| 3/8 x 1/4 | RHT0604 | RHT0604N | 1/4 | 9.53mm |
| 3/8 x 1/2 | RHT0608 | RHT0608N | 1/2 | 9.53mm |
| 1/2 x 1/4 | RHT0804 | RHT0804N | 1/4 | 12.7mm |
| 1/2 x 3/8 | RHT0806 | RHT0806N | 3/8 | 12.7mm |
| 1/2 x 3/4 | RHT0812 | RHT0812N | 3/4 | 12.7mm |
| 1/2 x 1 | RHT0816 | - | 1 | 12.7mm |
| 5/8 x 3/4 | RHT1012 | RHT1012N | 3/4 | 16mm |
| 3/4 x 3/8 | RHT1206 | - | 3/8 | 19.05mm |

| Size | Code | | | |
|---|---|---|---|---|
| | BSP | NPT | Thread | Hose |
| 3/4 x 1/2 | RHT1208 | RHT1208N | 1/2 | 19.05mm |
| 3/4 x 1 | RHT1216 | RHT1216N | 1 | 19.05mm |
| 1 x 1/2 | RHT1608 | RHT1608N | 1/2 | 25.4mm |
| 1 x 3/4 | RHT1612 | RHT1612N | 3/4 | 25.4mm |
| 1 x 1-1/4 | RHT1620 | - | 1-1/4 | 25.4mm |
| 1 x 1-1/2 | RHT1624 | - | 1-1/2 | 25.4mm |
| 1-1/4 x 1 | RHT2016 | RHT2016N | 1 | 31.8mm |
| 1-1/4 x 1-1/2 | RHT2024 | RHT2024N | 1-1/2 | 31.8mm |
| 1-1/2 x 1 | RHT2416 | RHT2416N | 1 | 38.1mm |
| 1-1/2 x 1-1/4 | RHT2420 | RHT2416N | 1-1/4 | 38.1mm |
| 1-1/2 x 2 | RHT2432 | RHT2432N | 2 | 38.1mm |
| 2 x 1-1/2 | RHT3224 | RHT3224N | 1-1/2 | 50.8mm |

## Hose Joiner

- Available from 1/8" to 4"
- Maximum pressure 50BAR

| Size | Code | |
|---|---|---|
| | BSP | Hose |
| 1/4 | HJ04 | 6.3mm |
| 5/16 | HJ05 | 8mm |
| 3/8 | HJ06 | 9.53mm |
| 1/2 | HJ08 | 12.7mm |
| 3/4 | HJ12 | 19.05mm |
| 1 | HJ16 | 25.4mm |
| 1-1/4 | HJ20 | 31.08mm |
| 1-1/2 | HJ24 | 38.1mm |
| 2 | HJ32 | 50.8mm |
| 2-1/2 | HJ40 | 63.5mm |
| 3 | HJ48 | 76.2mm |
| 4 | HJ64 | 101.6mm |

## Reducing Bush

- Available threaded BSP and NPT from 1/8" to 4" nominal bore
- BSPT male/BSPP female thread to ISO7-1
- NPT thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | |
|---|---|---|
| | BSP | NPT |
| 1/4 x 1/8 | RB0402 | RB0402N |
| 3/8 x 1/8 | RB0602 | RB0602N |
| 3/8 x 1/4 | RB0604 | RB0604N |
| 1/2 x 1/8 | RB0802 | RB0802N |
| 1/2 x 1/4 | RB0804 | RB0804N |
| 1/2 x 3/8 | RB0806 | RB0806N |
| 3/4 x 1/4 | RB1204 | RB1204N |
| 3/4 x 3/8 | RB1206 | RB1206N |
| 3/4 x 1/2 | RB1208 | RB1208N |
| 1 x 1/4 | RB1604 | - |
| 1 x 3/8 | RB1606 | - |
| 1 x 1/2 | RB1608 | RB1608N |
| 1 x 3/4 | RB1612 | RB1612N |
| 1-1/4 x 3/8 | RB2006 | - |

| Size | Code | |
|---|---|---|
| | BSP | NPT |
| 1-1/4 x 1/2 | RB2008 | - |
| 1-1/4 x 3/4 | RB2012 | RB2012N |
| 1-1/4 x 1 | RB2016 | RB2016N |
| 1-1/2 x 3/8 | RB2406 | - |
| 1-1/2 x 1/2 | RB2408 | RB2408N |
| 1-1/2 x 3/4 | RB2412 | RB2412N |
| 1-1/2 x 1 | RB2416 | RB2416N |
| 1-1/2 x 1-1/4 | RB2420 | RB2420N |
| 2 x 1/2 | RB3208 | - |
| 2 x 3/4 | RB3212 | RB3212N |
| 2 x 1 | RB3216 | RB3216N |
| 2 x 1-1/4 | RB3220 | RB3216N |
| 2 x 1-1/2 | RB3224 | RB3224N |
| 2-1/2 x 3/4 | RB4012 | - |

| Size | Code | |
|---|---|---|
| | BSP | NPT |
| 2-1/2 x 1 | RB4016 | - |
| 2-1/2 x 1-1/4 | RB4020 | - |
| 2-1/2 x 1-1/2 | RB4024 | RB4024N |
| 2-1/2 x 2 | RB4032 | RB4032N |
| 3 x 1 | RB4816 | - |
| 3 x 1-1/4 | RB4820 | - |
| 3 x 1-1/2 | RB4824 | - |
| 3 x 2 | RB4832 | RB4832N |
| 3 x 2-1/2 | RB4840 | RB4840N |
| 4 x 1-1/2 | RB6424 | - |
| 4 x 2 | RB6432 | RB6432N |
| 4 x 2-1/2 | RB6440 | RB6440N |
| 4 x 3 | RB6448 | RB6448N |

## Reducing Nipple

- Available threaded BSPT and NPT from 1/8" to 4" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | |
|---|---|---|
| | BSP | NPT |
| 1/4 x 1/8 | RN0402 | RN0402N |
| 3/8 x 1/8 | RN0602 | - |
| 3/8 x 1/4 | RN0604 | - |
| 1/2 x 1/8 | RN0802 | RN0604N |
| 1/2 x 1/4 | RN0804 | RN0804N |
| 1/2 x 3/8 | RN0806 | RN0806N |
| 3/4 x 1/4 | RN1204 | RN1204N |
| 3/4 x 3/8 | RN1206 | RN1206N |
| 3/4 x 1/2 | RN1208 | RN1208N |
| 1 x 1/4 | RN1604 | - |
| 1 x 3/8 | RN1606 | - |
| 1 x 1/2 | RN1608 | RN1608N |
| 1 x 3/4 | RN1612 | RN1612N |
| 1-1/4 x 1/2 | RN2008 | - |
| 1-1/4 x 3/4 | RN2012 | - |
| 1-1/4 x 1 | RN2016 | RN2016N |
| 1-1/2 x 1/2 | RN2408 | - |

| Size | Code | |
|---|---|---|
| | BSP | NPT |
| 1-1/2 x 3/4 | RN2412 | RN2412N |
| 1-1/2 x 1 | RN2416 | RN2416N |
| 1-1/2 x 1-1/4 | RN2420 | RN2420N |
| 2 x 1/2 | RN3208 | - |
| 2 x 3/4 | RN3212 | - |
| 2 x 1 | RN3216 | RN3216N |
| 2 x 1-1/4 | RN3220 | RN3220N |
| 2 x 1-1/2 | RN3224 | RN3224N |
| 2-1/2 x 1-1/2 | RN4024 | - |
| 2-1/2 x 2 | RN4032 | RN4032N |
| 3 x 1-1/2 | RN4824 | - |
| 3 x 2 | RN4832 | RN4832N |
| 3 x 2-1/2 | RN4840 | RN4840N |
| 4 x 2 | RN6432 | - |
| 4 x 2-1/2 | RN6440 | - |
| 4 x 3 | RN6448 | RN6448N |

## Nippling Rod

- Available threaded BSPP 1/4" to 1" Nominal bore
- BSPP to ISO228-1
- Maximum pressure 50BAR
- Supplied in 1 metre lengths

| Size | Code |
|---|---|
| | BSP |
| 1/4 | NR04 |
| 3/8 | NR06 |
| 1/2 | NR08 |
| 3/4 | NR12 |
| 1 | NR16 |

## Pig Tail Syphon

- Available threaded BSPP/BSPT 1/4" to 1/2" Nominal bore
- BSPP male thread to ISO228-1
- BSPT Male thread to ISO 7-1
- Maximum pressure 50BAR
- Supplied complete with 2 lock nuts

| Size | Code |
|---|---|
| | BSP |
| 11/4 | PTS04 |
| 3/8 | PTS06 |
| 1/2 | PTS08 |

## Reducing Socket

- Available threaded BSPT, NPT and socket weld from 1/8" to 4" nominal bore
- BSPP female thread to ISO7-1
- NPT female thread to ANSI B2.1
- Maximum pressure 20BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | SW |
| 1/4 x 1/8 | RS0402 | RS0402N | RS0402SW |
| 3/8 x 1/8 | RS0602 | - | RS0602SW |
| 3/8 x 1/4 | RS0604 | RS0604N | RS0604SW |
| 1/2 x 1/8 | RS0802 | - | RS0802SW |
| 1/2 x 1/4 | RS0804 | RS0804N | RS0804SW |
| 1/2 x 3/8 | RS0806 | RS0806N | RS0806SW |
| 3/4 x 1/4 | RS1204 | - | - |
| 3/4 x 3/8 | RS1206 | RS1206N | RS1206SW |
| 3/4 x 1/2 | RS1208 | RS1208N | RS1208SW |
| 1 x 1/4 | RS1604 | - | - |
| 1 x 3/8 | RS1606 | - | - |
| 1 x 1/2 | RS1608 | RS1608N | RS1608SW |
| 1 x 3/4 | RS1612 | RS1612N | RS1612SW |
| 1-1/4 x 1/2 | RS2008 | - | - |
| 1-1/4 x 3/4 | RS2012 | RS2012N | RS2012SW |
| 1-1/4 x 1 | RS2016 | RS2016N | RS2016SW |
| 1-1/2 x 1/2 | RS2408 | - | RS2408SW |
| 1-1/2 x 3/4 | RS2412 | - | RS2412SW |

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | SW |
| 1-1/2 x 1 | RS2416 | RS2416N | RS2416SW |
| 1-1/2 x 1-1/4 | RS2420 | RS2420N | RS2420SW |
| 2 x 1/2 | RS3208 | - | RS3208SW |
| 2 x 3/4 | RS3212 | - | RS3212SW |
| 2 x 1 | RS3216 | RS3216N | RS3216SW |
| 2 x 1-1/4 | RS3220 | RS3220N | RS3220SW |
| 2 x 1-1/2 | RS3224 | RS3224N | RS3224SW |
| 2-1/2 x 1-1/2 | RS4024 | - | RS4024SW |
| 2-1/2 x 2 | RS4032 | RS4032N | RS4032SW |
| 3 x 1-1/2 | RS4824 | - | RS4824SW |
| 3 x 2 | RS4832 | RS4832N | RS4832SW |
| 3 x 2-1/2 | RS4840 | RS4840N | RS4840SW |
| 4 x 2 | RS6432 | RS6432N | RS6432SW |
| 4 x 2-1/2 | RS6440 | - | RS6440SW |
| 4 x 3 | RS6448 | RS6448N | RS6448SW |

## U-Syphon

- Available threaded BSPP/BSPT 1/4" to 1/2" Nominal bore
- BSPP male thread to ISO228-1
- BSPT Male thread to ISO 7-1
- Maximum pressure 50BAR
- Supplied complete with 2 lock nuts

| Size | Code |
|---|---|
| | BSP |
| 1/4 | US04 |
| 3/8 | US06 |
| 1/2 | US08 |

## Reducing Tee

- Available threaded BSPP from 1/8" to 2" nominal bore
- BSPP female thread to ISO7-1
- Maximum pressure 20BAR

| Size | Code BSP |
|---|---|
| 1/4 x 1/8 | RT0402 |
| 3/8 x 1/4 | RT0604 |
| 1/2 x 1/4 | RT0804 |
| 1/2 x 3/8 | RT0806 |
| 3/4 x 3/8 | RT1206 |
| 3/4 x 1/2 | RT1208 |
| 1 x 1/2 | RT1608 |
| 1 x 3/4 | RT1612 |
| 1-1/4 x 1/2 | RT2008 |
| 1-1/4 x 3/4 | RT2012 |
| 1-1/4 x 1 | RT2016 |
| 1-1/2 x 3/4 | RT2412 |
| 1-1/2 x 1 | RT2416 |
| 1-1/2 x 1-1/4 | RT2420 |
| 2 x 1/2 | RT3208 |

| Size | Code BSP |
|---|---|
| 2 x 3/4 | RT3212 |
| 2 x 1 | RT3216 |
| 2 x 1-1/4 | RT3220 |
| 2 x 1-1/2 | RT3224 |

## Hexagon Lock Nut

- Available threaded BSPP 1/8" to 4" nominal bore
- BSPP female thread to ISO228-1
- Maximum pressure 20BAR

| Size | Code BSP |
|---|---|
| 1/8 | LN02 |
| 1/4 | LN04 |
| 3/8 | LN06 |
| 1/2 | LN08 |
| 3/4 | LN12 |
| 1 | LN16 |
| 1-1/4 | LN20 |
| 1-1/2 | LN24 |
| 2 | LN32 |
| 2-1/2 | LN40 |
| 3 | LN48 |
| 4 | LN64 |

## Hexagon Lock nut (DIN 431)

- Available threaded BSPP 1/4" to 4" Nominal bore
- BSPP to ISO228-1
- Maximum pressure 20BAR
- Made to Din 431 standards

| Size | Code BSP |
|---|---|
| 1/4 | LN04/DIN431 |
| 3/8 | LN06/DIN431 |
| 1/2 | LN08/DIN431 |
| 3/4 | LN12/DIN431 |
| 1 | LN16/DIN431 |
| 1-1/4 | LN20/DIN431 |
| 1-1/2 | LN24/DIN431 |
| 2 | LN32/DIN431 |
| 2-1/2 | LN40/DIN431 |
| 3 | LN48/DIN431 |
| 4 | LN64/DIN431 |

## Y-Piece

- Available threaded BSPP 1/8" to 2" nominal bore
- BSPP female thread to ISO7-1
- Maximum pressure 20BAR

| Size | Code BSP |
|---|---|
| 1/8 | Y02 |
| 1/4 | Y04 |
| 3/8 | Y06 |
| 1/2 | Y08 |
| 3/4 | Y12 |
| 1 | Y16 |
| 1-1/4 | Y20 |
| 1-1/2 | Y24 |
| 2 | Y32 |

## Reducing Adaptor

- Available threaded BSPP/BSPT 1/8" to 2" nominal bore
- BSPP female/BSPT male thread to ISO7-1
- Maximum pressure 20BAR

| Size | Code BSP |
|---|---|
| 1/4 x 1/8 | RAFM0402 |
| 3/8 x 1/4 | RAFM0604 |
| 1/2 x 1/4 | RAFM0804 |
| 1/2 x 3/8 | RAFM0806 |
| 3/4 x 3/8 | RAFM1206 |
| 3/4 x 1/2 | RAFM1208 |
| 1 x 1/2 | RAFM1608 |
| 1 x 3/4 | RAFM1612 |
| 1-1/4 x 3/4 | RAFM2012 |
| 1-1/4 x 1 | RAFM2016 |
| 1-1/2 x 1 | RAFM2416 |
| 1-1/2 x 1-1/4 | RAFM2420 |
| 2 x 1-1/4 | RAFM3220 |
| 2 x 1-1/2 | RAFM3224 |

## Male Bend

- Available threaded BSPT 1/8" to 2" nominal bore
- BSPT male thread to ISO7-1
- Maximum pressure 50BAR

| Size | Code BSP |
|---|---|
| 1/8 | MB02 |
| 1/4 | MB04 |
| 3/8 | MB06 |
| 1/2 | MB08 |
| 3/4 | MB12 |
| 1 | MB16 |
| 1-1/4 | MB20 |
| 1-1/2 | MB24 |
| 2 | MB32 |

## Long Screw

- Available threaded BSPT/ BSPP 1/8" to 2" nominal bore
- BSPT short thread to ISO7-1
- BSPP long thread to ISO 228/1
- Maximum pressure 50BAR

| Size | Code BSP | Length |
|---|---|---|
| 1/2 | LS08 | 100mm |
| 3/4 | LS12 | 100mm |
| 1 | LS16 | 150mm |
| 1-1/4 | LS20 | 150mm |
| 1-1/2 | LS24 | 150mm |
| 2 | LS32 | 150mm |

## Equal Cross

- Available threaded BSPP and socket weld from 1/8" to 4" nominal bore
- BSPP female thread to ISO7-1
- Maximum pressure 20BAR

| Size | Code BSP | SW |
|---|---|---|
| 1/8 | C02 | C02SW |
| 1/4 | C04 | C04SW |
| 3/8 | C06 | C06SW |
| 1/2 | C08 | C08SW |
| 3/4 | C12 | C12SW |
| 1 | C16 | C16SW |
| 1-1/4 | C20 | C20SW |
| 1-1/2 | C24 | C24SW |
| 2 | C32 | C32SW |
| 2-1/2 | C40 | C40SW |
| 3 | C48 | C48SW |
| 4 | C64 | C64SW |

## Extended Length Barrel Nipple

- Available threaded BSPT and NPT from 1/8" to 2" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 50BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | Length |
| 1/8 | BN02-40 | BN02N-40 | 40mm |
| 1/8 | BN02-50 | BN02N-50 | 50mm |
| 1/4 | BN04-40 | BN04N-40 | 40mm |
| 1/4 | BN04-50 | BN04N-50 | 50mm |
| 1/4 | BN04-60 | BN04N-60 | 60mm |
| 1/4 | BN04-80 | BN04N-80 | 80mm |
| 1/4 | BN04-100 | BN04N-100 | 100mm |
| 1/4 | BN04-130 | BN04N-130 | 130mm |
| 1/4 | BN04-150 | BN04N-150 | 150mm |
| 1/4 | BN04-180 | BN04N-180 | 180mm |
| 1/4 | BN04-200 | BN04N-200 | 200mm |
| 1/4 | BN04-250 | BN04N-250 | 250mm |
| 1/4 | BN04-300 | BN04N-300 | 300mm |
| 3/8 | BN06-50 | BN06N-50 | 50mm |
| 3/8 | BN06-60 | BN06N-60 | 60mm |
| 3/8 | BN06-80 | BN06N-80 | 80mm |
| 3/8 | BN06-100 | BN06N-100 | 100mm |
| 3/8 | BN06-130 | BN06N-130 | 130mm |
| 3/8 | BN06-150 | BN06N-150 | 150mm |
| 3/8 | BN06-180 | BN06N-180 | 180mm |
| 3/8 | BN06-200 | BN06N-200 | 200mm |
| 3/8 | BN06-250 | BN06N-250 | 250mm |
| 3/8 | BN06-300 | BN06N-300 | 300mm |
| 1/2 | BN08-40 | BN08N-40 | 40mm |
| 1/2 | BN08-50 | BN08N-50 | 50mm |
| 1/2 | BN08-80 | BN08N-80 | 80mm |
| 1/2 | BN08-100 | BN08N-100 | 100mm |
| 1/2 | BN08-130 | BN08N-130 | 130mm |
| 1/2 | BN08-150 | BN08N-150 | 150mm |
| 1/2 | BN08-180 | BN08N-180 | 180mm |
| 1/2 | BN08-200 | BN08N-200 | 200mm |

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | Length |
| 1/2 | BN08-250 | BN08N-250 | 250mm |
| 1/2 | BN08-300 | BN08N-300 | 300mm |
| 1/2 | BN08-400 | BN08N-400 | 400mm |
| 1/2 | BN08-500 | BN08N-500 | 500mm |
| 1/2 | BN08-600 | BN08N-600 | 600mm |
| 1/2 | BN08-800 | BN08N-800 | 800mm |
| 1/2 | BN08-1000 | BN08N-1000 | 1000mm |
| 3/4 | BN12-40 | BN12N-40 | 40mm |
| 3/4 | BN12-50 | BN12N-50 | 50mm |
| 3/4 | BN12-80 | BN12N-80 | 80mm |
| 3/4 | BN12-100 | BN12N-100 | 100mm |
| 3/4 | BN12-130 | BN12N-130 | 130mm |
| 3/4 | BN12-150 | BN12N-150 | 150mm |
| 3/4 | BN12-180 | BN12N-180 | 180mm |
| 3/4 | BN12-200 | BN12N-200 | 200mm |
| 3/4 | BN12-250 | BN12N-250 | 250mm |
| 3/4 | BN12-300 | BN12N-300 | 300mm |
| 3/4 | BN12-400 | BN12N-400 | 400mm |
| 3/4 | BN12-500 | BN12N-500 | 500mm |
| 3/4 | BN12-600 | BN12N-600 | 600mm |
| 3/4 | BN12-800 | BN12N-800 | 800mm |
| 3/4 | BN12-1000 | BN12N-1000 | 1000mm |
| 1 | BN16-80 | BN16N-80 | 80mm |
| 1 | BN16-50 | BN16N-50 | 50mm |
| 1 | BN16-100 | BN16N-100 | 100mm |
| 1 | BN16-130 | BN16N-130 | 130mm |
| 1 | BN16-150 | BN16N-150 | 150mm |
| 1 | BN16-180 | BN16N-180 | 180mm |
| 1 | BN16-200 | BN16N-200 | 200mm |
| 1 | BN16-250 | BN16N-250 | 250mm |
| 1 | BN16-300 | BN16N-300 | 300mm |

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | Length |
| 1 | BN16-400 | BN16N-400 | 400mm |
| 1 | BN16-500 | BN16N-500 | 500mm |
| 1 | BN16-600 | BN16N-600 | 600mm |
| 1 | BN16-800 | BN16N-800 | 800mm |
| 1 | BN16-1000 | BN16N-1000 | 1000mm |
| 1-1/4 | BN20-50 | BN20N-50 | 50mm |
| 1-1/4 | BN20-100 | BN20N-100 | 100mm |
| 1-1/4 | BN20-130 | BN20N-130 | 130mm |
| 1-1/4 | BN20-150 | BN20N-150 | 150mm |
| 1-1/4 | BN20-180 | BN20N-180 | 180mm |
| 1-1/4 | BN20-200 | BN20N-200 | 200mm |
| 1-1/4 | BN20-250 | BN20N-250 | 250mm |
| 1-1/4 | BN20-300 | BN20N-300 | 300mm |
| 1-1/2 | BN24-50 | BN24N-50 | 50mm |
| 1-1/2 | BN24-100 | BN24N-100 | 100mm |
| 1-1/2 | BN24-130 | BN24N-130 | 130mm |
| 1-1/2 | BN24-150 | BN24N-150 | 150mm |
| 1-1/2 | BN24-180 | BN24N-180 | 180mm |
| 1-1/2 | BN24-200 | BN24N-200 | 200mm |
| 1-1/2 | BN24-250 | BN24N-250 | 250mm |
| 1-1/2 | BN24-300 | BN24N-300 | 300mm |
| 2 | BN32-50 | BN32N-50 | 50mm |
| 2 | BN32-80 | BN32N-80 | 80mm |
| 2 | BN32-130 | BN32N-130 | 130mm |
| 2 | BN32-150 | BN32N-150 | 150mm |
| 2 | BN32-180 | BN32N-180 | 180mm |
| 2 | BN32-200 | BN32N-200 | 200mm |
| 2 | BN32-250 | BN32N-250 | 250mm |
| 2 | BN32-300 | BN32N-300 | 300mm |

## Extended Length Weld Nipple

- Available threaded BSPT and NPT from 1/8" to 2" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 50BAR

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | Length |
| 1/8 | WN02-20 | - | 20mm |
| 1/8 | WN02-40 | - | 40mm |
| 1/8 | WN02-50 | - | 50mm |
| 1/4 | WN04-40 | - | 40mm |
| 1/4 | WN04-50 | WN04N-50 | 50mm |
| 1/4 | WN04-60 | WN04N-60 | 60mm |
| 1/4 | WN04-80 | WN04N-80 | 80mm |
| 1/4 | WN04-100 | WN04N-100 | 100mm |
| 1/4 | WN04-130 | WN04N-130 | 130mm |
| 1/4 | WN04-150 | WN04N-150 | 150mm |
| 1/4 | WN04-180 | - | 180mm |
| 1/4 | WN04-200 | - | 200mm |
| 1/4 | WN04-250 | - | 250mm |
| 1/4 | WN04-300 | WN04N-300 | 300mm |
| 3/8 | WN06-40 | WN06N-40 | 40mm |
| 3/8 | WN06-50 | WN06N-50 | 50mm |
| 3/8 | WN06-60 | - | 60mm |
| 3/8 | WN06-80 | - | 80mm |
| 3/8 | WN06-100 | WN06N-100 | 100mm |
| 3/8 | WN06-130 | - | 130mm |
| 3/8 | WN06-150 | WN06N-150 | 150mm |
| 3/8 | WN06-180 | - | 180mm |
| 3/8 | WN06-200 | - | 200mm |
| 3/8 | WN06-250 | - | 250mm |
| 3/8 | WN06-300 | WN06N-300 | 300mm |
| 1/2 | WN08-50 | WN08N-50 | 50mm |
| 1/2 | WN08-60 | WN08N-60 | 60mm |
| 1/2 | WN08-80 | WN08N-80 | 80mm |
| 1/2 | WN08-100 | WN08N-100 | 100mm |
| 1/2 | WN08-130 | WN08N-130 | 130mm |
| 1/2 | WN08-150 | WN08N-150 | 150mm |

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | Length |
| 1/2 | WN08-180 | WN08N-180 | 180mm |
| 1/2 | WN08-200 | WN08N-200 | 200mm |
| 1/2 | WN08-250 | WN08N-250 | 250mm |
| 1/2 | WN08-300 | WN08N-300 | 300mm |
| 3/4 | WN12-50 | WN12N-50 | 50mm |
| 3/4 | WN12-60 | WN12N-60 | 60mm |
| 3/4 | WN12-80 | WN12N-80 | 80mm |
| 3/4 | WN12-100 | WN12N-100 | 100mm |
| 3/4 | WN12-130 | WN12N-130 | 130mm |
| 3/4 | WN12-150 | WN12N-150 | 150mm |
| 3/4 | WN12-180 | - | 180mm |
| 3/4 | WN12-200 | WN12-N200 | 20mm |
| 3/4 | WN12-250 | - | 250mm |
| 3/4 | WN12-300 | WN12N-300 | 300mm |
| 1 | WN16-50 | WN16N-50 | 50mm |
| 1 | WN16-60 | WN16N-60 | 60mm |
| 1 | WN16-80 | WN16N-80 | 80mm |
| 1 | WN16-100 | WN16N-100 | 100mm |
| 1 | WN16-130 | WN16N-130 | 130mm |
| 1 | WN16-150 | WN16N-150 | 150mm |
| 1 | WN16-180 | - | 180mm |
| 1 | WN16-200 | WN16N-200 | 200mm |
| 1 | WN16-250 | WN16N-250 | 250mm |
| 1 | WN16-300 | - | 300mm |
| 1-1/4 | WN20-60 | WN20N-60 | 60mm |
| 1-1/4 | WN20-80 | WN20N-80 | 80mm |
| 1-1/4 | WN20-100 | WN20N-100 | 100mm |
| 1-1/4 | WN20-130 | - | 130mm |
| 1-1/4 | WN20-150 | WN20N-150 | 150mm |
| 1-1/4 | WN20-180 | WN20N-180 | 180mm |
| 1-1/4 | WN20-200 | - | 200mm |

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | Length |
| 1-1/4 | WN20-250 | - | 250mm |
| 1-1/4 | WN20-300 | WN20N-300 | 300mm |
| 1-1/2 | WN24-60 | WN24N-60 | 60mm |
| 1-1/2 | WN24-80 | WN24N-80 | 80mm |
| 1-1/2 | WN24-100 | WN24N-100 | 100mm |
| 1-1/2 | WN24-130 | WN24N-130 | 130mm |
| 1-1/2 | WN24-150 | WN24N-150 | 150mm |
| 1-1/2 | WN24-180 | WN24N-180 | 180mm |
| 1-1/2 | WN24-200 | WN24N-200 | 200mm |
| 1-1/2 | WN24-250 | WN24N-250 | 250mm |
| 1-1/2 | WN24-300 | WN24N-300 | 300mm |
| 2 | WN32-60 | WN32N-60 | 60mm |
| 2 | WN32-80 | WN32N-80 | 80mm |
| 2 | WN32-100 | WN32N-100 | 100mm |
| 2 | WN32-130 | WN32N-130 | 130mm |
| 2 | WN32-150 | WN32N-150 | 150mm |
| 2 | WN32-180 | WN32N-180 | 180mm |
| 2 | WN32-200 | WN32N-200 | 200mm |
| 2 | WN32-250 | WN32N-250 | 250mm |
| 2 | WN32-300 | WN32N-300 | 300mm |

SECTION 2

# 3000 & 6000 PSI FITTINGS

/02

Nero's range of 6000 and 3000 PSI fittings come are available threaded BSPT, BSPP, NPT and Socket Weld.

- Fully certified to ASTM A182 standards
- Made to ANSI B16.11 dimensions
- Manufactured from 316/L material
- 3.1b Certification available on request

| Size | B |
|---|---|
| 1/8 | 10.7 mm |
| 1/4 | 14 mm |
| 3/8 | 17.5 mm |
| 1/2 | 21.6 mm |
| 3/4 | 27 mm |
| 1 | 33.8 mm |
| 1-1/4 | 42.4 mm |
| 1-1/2 | 48.5 mm |
| 2 | 61.2 mm |
| 2-1/2 | 74.19 mm |
| 3 | 90.17 mm |
| 4 | 115.8 mm |

Socket Weld Bore

## Barrel Nipple Schedule 80

- Available threaded BSPT and NPT from 1/8" to 2" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | Length |
| 1/8 | 3BN02T | 3BN02N | 30MM |
| 1/4 | 3BN04T | 3BN04N | 30MM |
| 3/8 | 3BN06T | 3BN06N | 40MM |
| 1/2 | 3BN08T | 3BN08N | 60MM |
| 3/4 | 3BN12T | 3BN12N | 60MM |
| 1 | 3BN16T | 3BN16N | 60MM |
| 1-1/4 | 3BN20T | 3BN20N | 80MM |
| 1-1/2 | 3BN24T | 3BN24N | 80MM |
| 2 | 3BN32T | 3BN32N | 100MM |

## Equal Cross

- Available threaded NPT and socket weld from 1/4" to 2" nominal bore
- NPT female thread to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code | |
|---|---|---|
| | NPT | SW |
| 1/4 | 3C04N | 3C04SW |
| 3/8 | 3C06N | 3C06SW |
| 1/2 | 3C08N | 3C08SW |
| 3/4 | 3C12N | 3C12SW |
| 1 | 3C16N | 3C16SW |
| 1-1/4 | 3C20N | 3C20SW |
| 1-1/2 | 3C24N | 3C24SW |
| 2 | 3C32N | 3C32SW |

## 45° Elbow

- Available threaded BSPT,NPT and socket weld from 1/4" to 2" nominal bore
- BSPT female thread to ISO7-1
- NPT female thread to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | SW |
| 1/4 | 3EA04T | 3EA04N | 3EA04SW |
| 3/8 | 3EA06T | 3EA06N | 3EA06SW |
| 1/2 | 3EA08T | 3EA08N | 3EA08SW |
| 3/4 | 3EA12T | 3EA12N | 3EA12SW |
| 1 | 3EA16T | 3EA16N | 3EA16SW |
| 1-1/4 | 3EA20T | 3EA20N | 3EA20SW |
| 1-1/2 | 3EA24T | 3EA24N | 3EA24SW |
| 2 | 3EA32T | 3EA32N | 3EA32SW |

## 90° Elbow

- Available threaded BSPT, NPT and socket weld from 1/4" to 2" nominal bore
- BSPT female thread to ISO7-1
- NPT female thread to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code | | |
|---|---|---|---|
| | BSP | NPT | SW |
| 1/4 | 3E04T | 3E04N | 3E04SW |
| 3/8 | 3E06T | 3E06N | 3E06SW |
| 1/2 | 3E08T | 3E08N | 3E08SW |
| 3/4 | 3E12T | 3E12N | 3E12SW |
| 1 | 3E16T | 3E16N | 3E16SW |
| 1-1/4 | 3E20T | 3E20N | 3E20SW |
| 1-1/2 | 3E24T | 3E24N | 3E24SW |
| 2 | 3E32T | 3E32N | 3E32SW |

## Hexagon Nipple

- Available threaded BSPT and NPT from 1/8" to 2" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code | |
|---|---|---|
| | BSP | NPT |
| 1/8 | 3HN02T | 3HN02N |
| 1/4 | 3HN04T | 3HN04N |
| 3/8 | 3HN06T | 3HN06N |
| 1/2 | 3HN08T | 3HN08N |
| 3/4 | 3HN12T | 3HN12N |
| 1 | 3HN16T | 3HN16N |
| 1-1/4 | 3HN20T | 3HN20N |
| 1-1/2 | 3HN24T | 3HN24N |
| 2 | 3HN32T | 3HN32N |

## Hexagon Plug

- Available threaded BSPT and NPT from 1/8" to 2" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 6000 PSI

| Size | Code | |
|---|---|---|
| | BSPT | NPT |
| 1/8 | 3HP02T | 3HP02N |
| 1/4 | 3HP04T | 3HP04N |
| 3/8 | 3HP06T | 3HP06N |
| 1/2 | 3HP08T | 3HP08N |
| 3/4 | 3HP12T | 3HP12N |
| 1 | 3HP16T | 3HP16N |
| 1-1/4 | 3HP20T | 3HP20N |
| 1-1/2 | 3HP24T | 3HP24N |
| 2 | 3HP32T | 3HP32N |

## Half Coupling

- Available threaded BSPT, BSPP, NPT and socket weld from 1/8" to 3" nominal bore
- BSPP female thread to ISO 228-1
- BSPT female thread to ISO7-1
- NPT female thread to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code | | | |
|---|---|---|---|---|
| | BSPT | BSPP | NPT | SW |
| 1/8 | 3HS02T | 3HS02P | 3HS02N | 3HS02SW |
| 1/4 | 3HS04T | 3HS04P | 3HS04N | 3HS04SW |
| 3/8 | 3HS06T | 3HS06P | 3HS06N | 3HS06SW |
| 1/2 | 3HS08T | 3HS08P | 3HS08N | 3HS08SW |
| 3/4 | 3HS12T | 3HS12P | 3HS12N | 3HS12SW |
| 1 | 3HS16T | 3HS16P | 3HS16N | 3HS16SW |
| 1-1/4 | 3HS20T | 3HS20P | 3HS20N | 3HS20SW |
| 1-1/2 | 3HS24T | 3HS24P | 3HS24N | 3HS24SW |
| 2 | 3HS32T | 3HS32P | 3HS32N | 3HS32SW |
| 2-1/2 | - | 3HS40P | - | - |
| 3 | - | 3HS48P | - | - |

## Reducing Bush

- Available threaded BSPT, NPT, BSPT Male x NPT female and NPT male x BSPT female
- BSPT threads to ISO7-1
- NPT threads to ANSI B2.1
- Maximum pressure 6000PSI

| Size | Code | | | |
|---|---|---|---|---|
| | BSPT | NPT | BSPT-M/NPT-F | NPT-M/BSPT-F |
| 1/4 x 1/8 | 3RB0402T | 3RB0402N | 3RB0402TN | 3RB0402NT |
| 3/8 x 1/8 | 3RB0602T | 3RB0602N | - | - |
| 3/8 x 1/4 | 3RB0604T | 3RB0604N | 3RB0604TN | 3RB0604NT |
| 1/2 x 1/8 | 3RB0802T | 3RB0802N | - | - |
| 1/2 x 1/4 | 3RB0804T | 3RB0804N | 3RB0804TN | 3RB0804NT |
| 1/2 x 3/8 | 3RB0806T | 3RB0806N | 3RB0806TN | 3RB0806NT |
| 3/4 x 1/4 | 3RB1204T | 3RB1204N | - | - |
| 3/4 x 3/8 | 3RB1206T | 3RB1206N | 3RB1206TN | 3RB1206NT |
| 3/4 x 1/2 | 3RB1208T | 3RB1208N | 3RB1208TN | 3RB1208NT |
| 1 x 1/4 | 3RB1604T | 3RB1604N | - | - |
| 1 x 3/8 | 3RB1606T | 3RB1606N | - | - |
| 1 x 1/2 | 3RB1608T | 3RB1608N | 3RB1608TN | 3RB1608NT |
| 1 x 3/4 | 3RB1612T | 3RB1612N | 3RB1612TN | 3RB1612NT |
| 1-1/4 x 1/2 | 3RB2008T | 3RB2008N | - | - |

| Size | Code | | | |
|---|---|---|---|---|
| | BSPT | NPT | BSPT-M/NPT-F | NPT-M/BSPT-F |
| 1-1/4 x 3/4 | 3RB2012T | 3RB2012N | - | - |
| 1-1/4 x 1/2 | 3RB2016T | 3RB2016N | - | - |
| 1-1/2 x 3/4 | 3RB2412T | 3RB2412N | - | - |
| 1-1/2 x 1 | 3RB2416T | 3RB2416N | - | - |
| 1-1/2 x 1-1/4 | 3RB2420T | 3RB2420N | - | - |
| 2 x 1 | 3RB3216T | 3RB3216N | - | - |
| 2 x 1-1/4 | 3RB3220T | 3RB3220N | - | - |
| 2 x 1-1/2 | 3RB3224T | 3RB3224N | - | - |

## Reducing Nipple

- Available threaded BSPT and NPT from 1/8" to 2" nominal bore
- BSPT male threads to ISO7-1
- NPT male threads to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code | |
|---|---|---|
| | BSPT | NPT |
| 1/4 x 1/8 | 3RN0402 | 3RN0402N |
| 3/8 x 1/8 | - | 3RN0602N |
| 3/8 x 1/4 | 3RN0604T | 3RN0604N |
| 1/2 x 1/8 | - | 3RN0802N |
| 1/2 x 1/4 | 3RN0804T | 3RN0804N |
| 1/2 x 3/8 | 3RN0806T | 3RN0806N |
| 3/4 x 1/4 | - | 3RN1204N |
| 3/4 x 3/8 | 3RN1206T | 3RN1206N |
| 3/4 x 1/2 | 3RN1208T | 3RN1208N |
| 1 x 3/8 | - | 3RN1606N |
| 1 x 1/2 | 3RN1608T | 3RN1608N |
| 1 x 3/4 | 3RN1612T | 3RN1612N |
| 1-1/4 x 1/2 | - | 3RN2008N |
| 1-1/4 x 3/4 | 3RN2012T | 3RN2012N |
| 1-1/4 x 1/2 | 3RN2016T | 3RN2016N |

| Size | Code | |
|---|---|---|
| | BSPT | NPT |
| 1-1/2 x 3/4 | - | 3RN2412N |
| 1-1/2 x 1 | 3RN2416T | 3RN2416N |
| 1-1/2 x 1-1/4 | 3RN2420T | 3RN2420N |
| 2 x 1 | 3RN3216T | 3RN3216N |
| 2 x 1-1/4 | 3RN3220T | 3RN3220N |
| 2 x 1-1/2 | 3RN3224T | 3RN3224N |

## Reducing Coupling

- Available threaded NPT and socket weld from 1/8" to 2" nominal bore
- NPT female threads to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code | |
|---|---|---|
| | NPT | SW |
| 1/4 x 1/8 | 3RS0402N | 3RS0402SW |
| 3/8 x 1/4 | 3RS0604N | 3RS0604SW |
| 1/2 x 1/4 | 3RS0804N | 3RS0804SW |
| 1/2 x 3/8 | 3RS0806N | 3RS0806SW |
| 3/4 x 3/8 | 3RS1206N | 3RS1206SW |
| 3/4 x 1/2 | 3RS1208N | 3RS1208SW |
| 1 x 1/2 | 3RS1608N | 3RS1608SW |
| 1 x 3/4 | 3RS1612N | 3RS1612SW |
| 1-1/4 x 3/4 | 3RS2012N | - |
| 1-1/4 x 1 | 3RS2016N | 3RS2016SW |
| 1-1/2 x 1 | 3RS2416N | 3RS2416SW |
| 1-1/2 x 1-1/4 | 3RS2420N | 3RS2420SW |
| 2 x 1 | 3RS3216N | 3RS3216SW |
| 2 x 1-1/4 | 3RS3220N | 3RS3220SW |
| 2 x 1-1/2 | 3RS3224N | 3RS3224SW |

## Round Cap

- Available threaded BSPT,NPT and Socket Weld from 1/8" to 2" Nominal bore
- BSPT to ISO7-1
- NPT to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code | | |
|---|---|---|---|
| | BSPT | NPT | SW |
| 1/8 | 3RC02T | 3RC02N | 3RC02SW |
| 1/4 | 3RC04T | 3RC04N | 3RC04SW |
| 3/8 | 3RC06T | 3RC06N | 3RC06SW |
| 1/2 | 3RC08T | 3RC08N | 3RC08SW |
| 3/4 | 3RC12T | 3RC12N | 3RC12SW |
| 1 | 3RC16T | 3RC16N | 3RC16SW |
| 1-1/4 | 3RC20T | 3RC20N | 3RC20SW |
| 1-1/2 | 3RC24T | 3RC24N | 3RC24SW |
| 2 | 3RC32T | 3RC32N | 3RC32SW |

## Full Coupling

- Available threaded BSPT, NPT, BSPP, socket weld and socket weld x BSPT/NPT
- BSPT female threads to ISO7-1
- NPT female threads to ANSI B2.1
- BSPP female threads to ISO 228/1
- Maximum pressure 3000PSI

| Size | Code | | | | | |
|---|---|---|---|---|---|---|
| | BSPT | NPT | BSPP | SW | SW/BSPT | SW/NPT |
| 1/8 | 3S02T | 3S02N | 3S02P | 3S02SW | - | - |
| 1/4 | 3S04T | 3S04N | 3S04P | 3S04SW | 3S04SW/BSPT | 3S04SW/NPT |
| 3/8 | 3S06T | 3S06N | 3S06P | 3S06SW | 3S06SW/BSPT | 3S06SW/NPT |
| 1/2 | 3S08T | 3S08N | 3S08P | 3S08SW | 3S08SW/BSPT | 3S08SW/NPT |
| 3/4 | 3S12T | 3S12N | 3S12P | 3S12SW | 3S12SW/BSPT | 3S12SW/NPT |
| 1 | 3S16T | 3S16N | 3S16P | 3S16SW | 3S16SW/BSPT | 3S16SW/NPT |
| 1-1/4 | 3S20T | 3S20N | 3S20P | 3S20SW | 3S20SW/BSPT | 3S20SW/NPT |
| 1-1/2 | 3S24T | 3S24N | 3S24P | 3S24SW | 3S24SW/BSPT | 3S24SW/NPT |
| 2 | 3S32T | 3S32N | 3S32P | 3S32SW | 3S32SW/BSPT | 3S32SW/NPT |
| 2-1/2 | - | - | 3S40P | - | - | - |
| 3 | - | - | 3S48P | - | - | - |

## 90° Street Elbow

- Available threaded NPT from 1/4" to 2" nominal bore
- NPT male and female thread to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code |
|---|---|
| | NPT |
| 1/4 | 3SE04N |
| 3/8 | 3SE06N |
| 1/2 | 3SE08N |
| 3/4 | 3SE12N |
| 1 | 3SE16N |
| 1-1/4 | 3SE20N |
| 1-1/2 | 3SE24N |
| 2 | 3SE32N |

## Square Head Plug

- Available threaded BSPT and NPT from 1/8" to 2" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 6000PSI

| Size | Code | |
|---|---|---|
| | BSPT | NPT |
| 1/8 | 3SP02T | 3SP02N |
| 1/4 | 3SP04T | 3SP04N |
| 3/8 | 3SP06T | 3SP06N |
| 1/2 | 3SP08T | 3SP08N |
| 3/4 | 3SP12T | 3SP12N |
| 1 | 3SP16T | 3SP16N |
| 1-1/4 | 3SP20T | 3SP20N |
| 1-1/2 | 3SP24T | 3SP24N |
| 2 | 3SP32T | 3SP32N |

## Equal Tee

- Available threaded BSPT,NPT and socket weld from 1/4" to 2" nominal bore
- BSPT female threads to ISO7-1
- NPT female threads to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code | | |
|---|---|---|---|
| | BSPT | NPT | SW |
| 1/4 | 3T04T | 3T04N | 3T04SW |
| 3/8 | 3T06T | 3T06N | 3T06SW |
| 1/2 | 3T08T | 3T08N | 3T08SW |
| 3/4 | 3T12T | 3T12N | 3T12SW |
| 1 | 3T16T | 3T16N | 3T16SW |
| 1-1/4 | 3T20T | 3T20N | 3T20SW |
| 1-1/2 | 3T24T | 3T24N | 3T24SW |
| 2 | 3T32T | 3T32N | 3T32SW |

## Cone seat Union

- Available threaded BSPT,NPT and socket weld from 1/4" to 2" nominal bore
- BSPT female threads to ISO7-1
- NPT female threads to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code | | |
|---|---|---|---|
| | BSPT | NPT | SW |
| 1/4 | 3UC04T | 3UC04N | 3UC04SW |
| 3/8 | 3UC06T | 3UC06N | 3UC06SW |
| 1/2 | 3UC08T | 3UC08N | 3UC08SW |
| 3/4 | 3UC12T | 3UC12N | 3UC12SW |
| 1 | 3UC16T | 3UC16N | 3UC16SW |
| 1-1/4 | 3UC20T | 3UC20N | 3UC20SW |
| 1-1/2 | 3UC24T | 3UC24N | 3UC24SW |
| 2 | 3UC32T | 3UC32N | 3UC32SW |

## Male/Female Cone Seat Union

- Available threaded NPT from 1/4" to 2" nominal bore
- NPT male and female thread to ANSI B2.1
- Maximum pressure 3000PSI

| Size | Code |
|---|---|
| | NPT |
| 1/4 | 3UCMF04N |
| 3/8 | 3UCMF06N |
| 1/2 | 3UCMF08N |
| 3/4 | 3UCMF12N |
| 1 | 3UCMF16N |
| 1-1/4 | 3UCMF20N |
| 1-1/2 | 3UCMF24N |
| 2 | 3UCMF32N |

## Reducing Tee

- Available Socket Weld from 1/2" to 1" nominal bore
- Maximum pressure 6000PSI

| Size | Code |
|---|---|
| | SW |
| 1" x 1/2" | 3RT1608SW |
| 1" x 3/4" | 3RT1612SW |

## 6000 PSI 90° Elbow

- Available threaded NPT or socket weld from 1/2" to 1" nominal bore
- NPT female thread to ANSI B2.1
- Maximum pressure 6000PSI

| Size | Code | |
|---|---|---|
| | NPT | SW |
| 1/2 | 6E08N | 6E08SW |
| 3/4 | 6E12N | 6E12SW |
| 1 | 6E16N | 6E16SW |

## 6000 PSI Hexagon Nipple

- Available threaded BSPT and NPT from 1/4" to 1" nominal bore
- BSPT male thread to ISO7-1
- NPT male thread to ANSI B2.1
- Maximum pressure 6000PSI

| Size | Code | |
|---|---|---|
| | BSPT | NPT |
| 1/4 | 6HN04T | 6HN04N |
| 3/8 | 6HN06T | 6HN06N |
| 1/2 | 6HN08T | 6HN08N |
| 3/4 | 6HN12T | 6HN12N |
| 1 | 6HN16T | 6HN16N |

## 6000 PSI Full Coupling

- Available threaded NPT and socket weld from 1/4" to 1" nominal bore
- NPT female thread to ANSI B2.1
- Maximum pressure 6000PSI

| Size | Code | |
|---|---|---|
| | NPT | SW |
| 1/4 | 6S04N | 6S04SW |
| 3/8 | 6S06N | 6S06SW |
| 1/2 | 6S08N | 6S08SW |
| 3/4 | 6S12N | 6S12SW |
| 1 | 6S16N | 6S16SW |

## 6000 PSI Equal Tee

- Available threaded NPT and socket weld from 1/2" to 1" nominal bore
- NPT female thread to ANSI B2.1
- Maximum pressure 6000PSI

| Size | Code | |
|---|---|---|
| | NPT | SW |
| 1/4 | 6T08N | 6T08SW |
| 3/4 | 6T12N | 6T12SW |
| 1 | 6T16N | 6T16SW |

## 6000 PSI Cone Seat Union

- Available threaded NPT and socket
- weld from 1/2" to 1" nominal bore
- NPT female thread to ANSI B2.1
- Maximum pressure 6000PSI

| Size | Code | |
|---|---|---|
| | NPT | SW |
| 1/2 | 6UC08N | 6UC08SW |
| 3/4 | 6UC12N | 6UC12SW |
| 1 | 6UC16N | 6UC16SW |

SECTION 3

# HYDRAULIC FITTINGS

/03

Nero's range of Hydraulic fittings are all made from 316 stainless steel.

- BSPP threads to ISO 228-1
- BSPT Male threads to ISO 7-1
- NPT threads to ANSI B2.1
- Sizes from 1/8" to 2"
- 60 degree coned threads to BS5200

## Adaptor Female/Male NPT

- Made from hexagon bar and rated to 3000 PSI
- NPT male and female thread to ANSI B2.1

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | AFM0202N | 440 |
| 1/4 | AFM0404N | 450 |
| 3/8 | AFM0606N | 360 |
| 1/2 | AFM0808N | 330 |
| 3/4 | AFM1212N | 320 |
| 1 | AFM1616N | 300 |

## Adaptor Female/Male BSPP

- Made from hexagon bar, flat faced sealing female thread
- BSPP male and female thread to ISO 228/1
- Gauge adaptor from 1/8 to 1/2
- 60 degree internal cone to BS 5200

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | AFM0202P | 350 |
| 1/4 | AFM0404P | 350 |
| 3/8 | AFM0606P | 350 |
| 1/2 | AFM0808P | 315 |
| 3/4 | AFM1212P | 250 |
| 1 | AFM1616P | 250 |

## Adaptor Female NPT/Male BSPP

- Made from hexagon bar
- BSPP to ISO 228/1
- 60 degree internal cone to BS 5200
- NPT to ANSI B2.1

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | AFM0202NP | 200 |
| 1/4 | AFM0404NP | 200 |
| 3/8 | AFM0606NP | 200 |
| 1/2 | AFM0808NP | 200 |

## Adaptor Female BSPP/Male NPT

- Made from hexagon bar
- BSPP to ISO 228/1 with flat faced sealing female thread
- NPT male thread to ANSI B2.1
- Gauge adaptor from 1/8 to 1/2

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | AFM0202PN | 200 |
| 1/4 | AFM0404PN | 200 |
| 3/8 | AFM0606PN | 200 |
| 1/2 | AFM0808PN | 200 |
| 3/4 | AFM1212PN | 200 |
| 1 | AFM1616PN | 200 |

## Nitrile Bonded Washer

- Made from 316 Stainless Steel and Nitrile Rubber
- Self centering

| Size | Code |
|---|---|
| 1/8 | BW02 |
| 1/4 | BW04 |
| 3/8 | BW06 |
| 1/2 | BW08 |
| 3/4 | BW12 |
| 1 | BW16 |
| 1-1/4 | BW20 |
| 1-1/2 | BW24 |
| 2 | BW32 |

## Female Swivel Elbow

- BSPP female thread to ISO 228/1
- 60 degree internal cone to BS 5200
- Swivel female threads

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | EBF02 | 350 |
| 1/4 | EBF04 | 350 |
| 3/8 | EBF06 | 350 |
| 1/2 | EBF08 | 315 |
| 3/4 | EBF12 | 250 |
| 1 | EBF16 | 200 |
| 1-1/4 | EBF20 | 160 |
| 1-1/2 | EBF24 | 125 |
| 2 | EBF32 | 80 |

## Male Block Elbow

- BSPP male thread to ISO 228/1
- 60 degree internal cone to BS 5200

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | EBM02 | 350 |
| 1/4 | EBM04 | 350 |
| 3/8 | EBM06 | 350 |
| 1/2 | EBM08 | 315 |
| 3/4 | EBM12 | 250 |
| 1 | EBM16 | 200 |
| 1-1/4 | EBM20 | 160 |
| 1-1/2 | EBM24 | 125 |
| 2 | EBM32 | 80 |

## Male/Female Swivel Block Elbow

- BSPP male and female thread to ISO 228/1
- 60 degree internal cone to BS 5200
- Female swivel thread

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | EBSN02 | 350 |
| 1/4 | EBSN04 | 350 |
| 3/8 | EBSN06 | 350 |
| 1/2 | EBSN08 | 315 |
| 3/4 | EBSN12 | 250 |
| 1 | EBSN16 | 200 |
| 1-1/4 | EBSN20 | 160 |
| 1-1/2 | EBSN24 | 125 |
| 2 | EBSN32 | 80 |

## Female Swivel Tee

- BSPP female thread to ISO 228/1
- 60 degree internal cone to BS 5200
- Female swivel thread

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | EFT02 | 350 |
| 1/4 | EFT04 | 350 |
| 3/8 | EFT06 | 350 |
| 1/2 | EFT08 | 315 |
| 3/4 | EFT12 | 250 |
| 1 | EFT16 | 200 |
| 1-1/4 | EFT20 | 160 |
| 1-1/2 | EFT24 | 125 |
| 2 | EFT32 | 80 |

## Male Block Tee

- BSPP male thread to ISO 228/1
  60 degree internal cone to BS 5200

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | TM02 | 350 |
| 1/4 | TM04 | 350 |
| 3/8 | TM06 | 350 |
| 1/2 | TM08 | 315 |
| 3/4 | TM12 | 250 |
| 1 | TM16 | 200 |
| 1-1/4 | TM20 | 160 |
| 1-1/2 | TM24 | 125 |
| 2 | TM32 | 80 |

## Female Bulkhead

- BSPP male and female thread to ISO 228/1
- Complete with lock nut

| Size | Code | Working pressure (Bar) | Male Thread Size |
|---|---|---|---|
| 1/8 | FBH02P | 350 | 3/8 |
| 1/4 | FBH04P | 350 | 1/2 |
| 3/8 | FBH06P | 350 | 3/4 |
| 1/2 | FBH08P | 315 | 1 |
| 3/4 | FBH12P | 250 | 1-1/4 |
| 1 | FBH16P | 200 | 1-1/4 |

## Male Bulkhead

- BSPP male thread to ISO 228/1
- 60 degree internal cone to BS 5200
- Complete with lock nut

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | MBH02P | 350 |
| 1/4 | MBH04P | 350 |
| 3/8 | MBH06P | 350 |
| 1/2 | MBH08P | 315 |
| 3/4 | MBH12P | 250 |
| 1 | MBH16P | 200 |
| 1-1/4 | MBH20P | 160 |
| 1-1/2 | MBH24P | 125 |
| 2 | MBH32P | 80 |

## Female Swivel Coupling

- BSPP female thread to ISO 228/1
- 60 degree internal cone to BS 5200
- Female swivel thread

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | FFA02 | 350 |
| 1/4 | FFA04 | 350 |
| 3/8 | FFA06 | 350 |
| 1/2 | FFA08 | 315 |
| 3/4 | FFA12 | 250 |
| 1 | FFA16 | 200 |
| 1-1/4 | FFA20 | 160 |
| 1-1/2 | FFA24 | 125 |
| 2 | FFA32 | 80 |

## Female Swivel/BSPP Male Coupling

- BSPP female and male thread to ISO 228/1
- 60 degree internal cone to BS 5200
- Female swivel thread

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | FSP02 | 350 |
| 1/4 | FSP04 | 350 |
| 3/8 | FSP06 | 350 |
| 1/2 | FSP08 | 315 |
| 3/4 | FSP12 | 250 |
| 1 | FSP16 | 200 |
| 1-1/4 | FSP20 | 160 |
| 1-1/2 | FSP24 | 125 |
| 2 | FSP32 | 80 |

## Female Swivel/BSPT Male Coupling

- BSPP female thread to ISO 228/1
- 60 degree internal cone to BS 5200
- BSPT male thread to ISO 7/1
- Female swivel thread

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | FST02 | 350 |
| 1/4 | FST04 | 350 |
| 3/8 | FST06 | 350 |
| 1/2 | FST08 | 315 |
| 3/4 | FST12 | 250 |
| 1 | FST16 | 200 |
| 1-1/4 | FST20 | 160 |
| 1-1/2 | FST24 | 125 |
| 2 | FST32 | 80 |

## Coned Hexagon Plug

- BSPP male thread to ISO 228/1
- 60 degree internal cone to BS 5200

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | CHP02P | 350 |
| 1/4 | CHP04P | 350 |
| 3/8 | CHP06P | 350 |
| 1/2 | CHP08P | 315 |
| 3/4 | CHP12P | 250 |
| 1 | CHP16P | 200 |
| 1-1/4 | CHP20P | 160 |
| 1-1/2 | CHP24P | 125 |
| 2 | CHP32P | 80 |

## Flanged Hexagon Plug

- BSPP male thread to ISO 228/1
- 60 degree internal cone to BS 5200

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | HFP02P | 350 |
| 1/4 | HFP04P | 350 |
| 3/8 | HFP06P | 350 |
| 1/2 | HFP08P | 315 |
| 3/4 | HFP12P | 250 |
| 1 | HFP16P | 200 |

## Hexagon Plug

- BSPP male thread to ISO 228/1

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | HP02P | 350 |
| 1/4 | HP04P | 350 |
| 3/8 | HP06P | 350 |
| 1/2 | HP08P | 315 |
| 3/4 | HP12P | 250 |
| 1 | HP16P | 200 |
| 1-1/4 | HP20P | 160 |
| 1-1/2 | HP24P | 125 |
| 2 | HP32P | 80 |

## Socket Head Plug BSPP

- BSPP male thread to ISO 228/1
- Complete with FPM O-Ring

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | SHP02P | 350 |
| 1/4 | SHP04P | 350 |
| 3/8 | SHP06P | 350 |
| 1/2 | SHP08P | 315 |
| 3/4 | SHP12P | 250 |
| 1 | SHP16P | 200 |
| 1-1/4 | SHP20P | 160 |
| 1-1/2 | SHP24P | 125 |
| 2 | SHP32P | 80 |

## Socket Head Plug BSPT

- BSPT male thread to ISO 7/1

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | SHP02 | 50 |
| 1/4 | SHP04 | 50 |
| 3/8 | SHP06 | 50 |
| 1/2 | SHP08 | 50 |
| 3/4 | SHP12 | 50 |
| 1 | SHP16 | 50 |
| 1-1/4 | SHP20 | 50 |
| 1-1/2 | SHP24 | 50 |
| 2 | SHP32 | 50 |

## Socket Head Plug NPT

- NPT male thread to ANSI B2.1

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | SHP02N | 50 |
| 1/4 | SHP04N | 50 |
| 3/8 | SHP06N | 50 |
| 1/2 | SHP08N | 50 |
| 3/4 | SHP12N | 50 |
| 1 | SHP16N | 50 |
| 1-1/4 | SHP20N | 50 |
| 1-1/2 | SHP24N | 50 |
| 2 | SHP32N | 50 |

## Hexagon Grip Socket

- BSPP female thread to ISO 228/1

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/8 | HGS02 | 50 |
| 1/4 | HGS04 | 50 |
| 3/8 | HGS06 | 50 |
| 1/2 | HGS08 | 50 |
| 3/4 | HGS12 | 50 |
| 1 | HGS16 | 50 |
| 1-1/4 | HGS20 | 50 |
| 1-1/2 | HGS24 | 50 |
| 2 | HGS32 | 50 |

## Hexagon Nipple

- Available BSPP, BSPP x BSPT and BSPP x NPT
- BSPP thread to ISO 228/1 with 60 degree internal cone to BS 5200
- NPT thread to ANSI B2.1
- BSPT thread to ISO 7/1

| Size | Code | | | |
|---|---|---|---|---|
| | BSPP | BSPP x BSPT | BSPP x NPT | Working pressure (Bar) |
| 1/8 | HN02P | HN02PT | HN02PN | 200 |
| 1/4 | HN04P | HN04PT | HN04PN | 200 |
| 3/8 | HN06P | HN06PT | HN06PN | 200 |
| 1/2 | HN08P | HN08PT | HN08PN | 200 |
| 3/4 | HN12P | HN12PT | HN12PN | 200 |
| 1 | HN16P | HN16PT | HN16PN | 200 |
| 1-1/4 | HN20P | HN20PT | HN20PN | 200 |
| 1-1/2 | HN24P | HN24PT | HN24PN | 200 |
| 2 | HN32P | HN32PT | HN32PN | 200 |

## Reducing Adaptor

- Available BSPP, NPT, BSPP x NPT and NPT x BSPP
- BSPP thread to ISO 228/1 with 60 Degree internal cone to BS 5200
- NPT thread to ANSI B2.1

| Size female/male | Code NPT | Working pressure (Bar) | Code BSPP | NPT x BSPP | BSPP x NPT | Working pressure (Bar) |
|---|---|---|---|---|---|---|
| 1/4 x 1/8 | RAFM0402N | 440 | RAFM0402P | RAFM0402NP | RAFM0402PN | 350 |
| 3/8 x 1/4 | RAFM0604N | 360 | RAFM0604P | RAFM0604NP | RAFM0604PN | 350 |
| 1/2 x 1/4 | RAFM0804N | 330 | RAFM0804P | RAFM0804NP | RAFM0804PN | 315 |
| 1/2 x 3/8 | RAFM0806N | 330 | RAFM0806P | RAFM0806NP | RAFM0806PN | 315 |
| 3/4 x 3/8 | RAFM1206N | 320 | - | - | - | 250 |
| 3/4 x 1/2 | RAFM1208N | 320 | RAFM1208P | RAFM1208NP | RAFM1208PN | 250 |
| 1 x 1/2 | RAFM1608N | 300 | - | - | - | 250 |
| 1 x 3/4 | RAFM1612N | 300 | - | - | - | 250 |

## Reducing Bush

- Available BSPP type A and B pattern
- BSPP thread to ISO 228/1

| Size | Code TYPE A | TYPE B | Working pressure (Bar) |
|---|---|---|---|
| 1/4 x 1/8 | - | RB0402P | 350 |
| 3/8 x 1/8 | RB0602P | - | 350 |
| 3/8 x 1/4 | - | RB0604P | 350 |
| 1/2 x 1/4 | RB0804P | - | 315 |
| 1/2 x 3/8 | - | RB0806P | 315 |
| 3/4 x 1/4 | RB1204P | - | 250 |
| 3/4 x 3/8 | RB1206P | - | 250 |
| 3/4 x 1/2 | - | RB1208P | 250 |
| 1 x 1/2 | RB1608P | - | 200 |
| 1 x 3/4 | - | RB1612P | 200 |
| 1-1/4 x 3/4 | RB2012P | - | 160 |
| 1-1/4 x 1 | - | RB2016P | 160 |
| 1-1/2 x 1 | RB2416P | - | 125 |
| 1-1/2 x 1-1/4 | - | RB2420P | 125 |
| 2 x 1-1/4 | RB3220P | - | 80 |
| 2 x 1-1/2 | RB3224P | - | 80 |

## Reducing Hexagon Nipple

- Available BSPP To ISO 228/1 with 60 degree internal cone to BS 5200

| Size | Code | Working pressure (Bar) |
|---|---|---|
| 1/4 x 1/8 | RN0402P | 350 |
| 3/8 x 1/8 | RN0602P | 350 |
| 3/8 x 1/4 | RN0604P | 350 |
| 1/2 x 1/4 | RN0804P | 315 |
| 1/2 x 3/8 | RN0806P | 315 |
| 3/4 x 3/8 | RN1206P | 250 |
| 3/4 x 1/2 | RN1208P | 250 |
| 1 x 1/4 | RN1604P | 200 |
| 1 x 3/8 | RN1606P | 200 |
| 1 x 1/2 | RN1608P | 200 |
| 1 x 3/4 | RN1612P | 200 |
| 1-1/4 x 3/4 | RN2012P | 160 |
| 1-1/4 x 1 | RN2016P | 160 |
| 1-1/2 x 3/4 | RN2412P | 125 |
| 1-1/2 x 1 | RN2416P | 125 |
| 1-1/2 x 1-1/4 | RN2420P | 125 |
| 2 x 1 | RN3216P | 80 |
| 2 x 1-1/4 | RN3220P | 80 |
| 2 x 1-1/2 | RN3224P | 80 |

SECTION 4

# QUICK RELEASE FITTINGS

/04

Nero's range of cam and groove fittings are made from 316 stainless steel and to MIL-C-27487/EN14420-7

- Fitted with the standard BUNA (nitrile rubber) seal
- Working temperature of -40C to +100C.
- Using the separately sold FPM (fluoropolymer) seal the maximum temperature increases to +200C.
- Quick release couplings are to ISO 7241 Type B

Camlock fitting working pressure

| SIZE | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" | 4" | 5" | 6" |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STAINLESS STEEL 316 | 150 PSI | 250 PSI | 250 PSI | 250 PSI | 250 PSI | 250 PSI | 225 PSI | 200 PSI | 100 PSI | 75 PSI | 75 PSI |

## Adaptor Female Type A

- Female BSPP thread to ISO 228/1
- Sizes from 1/2" to 6" nominal bore

| Size | Code |
|---|---|
| 1/2 | CCA08 |
| 3/4 | CCA12 |
| 1 | CCA16 |
| 1-1/4 | CCA20 |
| 1-1/2 | CCA24 |
| 2 | CCA32 |
| 2-1/2 | CCA40 |
| 3 | CCA48 |
| 4 | CCA64 |
| 5 | CCA80 |
| 6 | CCA96 |

## Coupler Male Type B

- Male BSPT thread to ISO 7/1
- Sizes from 1/2" to 6" nominal bore
- complete with nitrile seal

| Size | Code |
|---|---|
| 1/2 | CCB08 |
| 3/4 | CCB12 |
| 1 | CCB16 |
| 1-1/4 | CCB20 |
| 1-1/2 | CCB24 |
| 2 | CCB32 |
| 2-1/2 | CCB40 |
| 3 | CCB48 |
| 4 | CCB64 |
| 5 | CCB80 |
| 6 | CCB96 |

## Coupler Hose Type C

- Hose end to nominal bore sizes
- Sizes from 1/2" to 6" nominal bore
- Complete with nitrile seal

| Size | Code |
|---|---|
| 1/2 | CCC08 |
| 3/4 | CCC12 |
| 1 | CCC16 |
| 1-1/4 | CCC20 |
| 1-1/2 | CCC24 |
| 2 | CCC32 |
| 2-1/2 | CCC40 |
| 3 | CCC48 |
| 4 | CCC64 |
| 5 | CCC80 |
| 6 | CCC96 |

## Coupler Female Type D

- Female BSPP thread to ISO 228/1
- Sizes from 1/2" to 6" nominal bore
- Complete with nitrile seal

| Size | Code |
|---|---|
| 1/2 | CCD08 |
| 3/4 | CCD12 |
| 1 | CCD16 |
| 1-1/4 | CCD20 |
| 1-1/2 | CCD24 |
| 2 | CCD32 |
| 2-1/2 | CCD40 |
| 3 | CCD48 |
| 4 | CCD64 |
| 5 | CCD80 |
| 6 | CCD96 |

## Dust Cap Type DC

- Sizes from 1/2" to 6" nominal Bore
- Complete with nitrile seal

| Size | Code |
|---|---|
| 1/2 | CCDC08 |
| 3/4 | CCDC12 |
| 1 | CCDC16 |
| 1-1/4 | CCDC20 |
| 1-1/2 | CCDC24 |
| 2 | CCDC32 |
| 2-1/2 | CCDC40 |
| 3 | CCDC48 |
| 4 | CCDC64 |
| 5 | CCDC80 |
| 6 | CCDC96 |

## Dust Plug Type DP

- Sizes from 1/2" to 6" nominal bore

| Size | Code |
|---|---|
| 1/2 | CCDP08 |
| 3/4 | CCDP12 |
| 1 | CCDP16 |
| 1-1/4 | CCDP20 |
| 1-1/2 | CCDP24 |
| 2 | CCDP32 |
| 2-1/2 | CCDP40 |
| 3 | CCDP48 |
| 4 | CCDP64 |
| 5 | CCDP80 |
| 6 | CCDP96 |

## Adaptor Hose Type E

- Hose end to nominal bore sizes
- Sizes from 1/2" to 6" nominal bore

| Size | Code |
|---|---|
| 1/2 | CCE08 |
| 3/4 | CCE12 |
| 1 | CCE16 |
| 1-1/4 | CCE20 |
| 1-1/2 | CCE24 |
| 2 | CCE32 |
| 2-1/2 | CCE40 |
| 3 | CCE48 |
| 4 | CCE64 |
| 5 | CCE80 |
| 6 | CCE96 |

## Adaptor Hose Type F

- BSPT male thread to ISO 7/1
- Sizes from 1/2" to 6" nominal bore

| Size | Code |
|---|---|
| 1/2 | CCF08 |
| 3/4 | CCF12 |
| 1 | CCF16 |
| 1-1/4 | CCF20 |
| 1-1/2 | CCF24 |
| 2 | CCF32 |
| 2-1/2 | CCF40 |
| 3 | CCF48 |
| 4 | CCF64 |
| 5 | CCF80 |
| 6 | CCF96 |

## Replacement Nitrile Seal

- Sizes from 1/2" to 6" nominal bore

| Size | Code |
|---|---|
| 1/2 | CCS08 |
| 3/4 | CCS12 |
| 1 | CCS16 |
| 1-1/4 | CCS20 |
| 1-1/2 | CCS24 |
| 2 | CCS32 |
| 2-1/2 | CCS40 |
| 3 | CCS48 |
| 4 | CCS64 |
| 5 | CCS80 |
| 6 | CCS96 |

## Replacement FPM (fluoropolymer) Seal

- Sizes from 1/2" to 6" nominal bore
- Increased temperature range of -40C to +200C

| Size | Code |
|---|---|
| 1/2 | CCSV08 |
| 3/4 | CCSV12 |
| 1 | CCSV16 |
| 1-1/4 | CCSV20 |
| 1-1/2 | CCSV24 |
| 2 | CCSV32 |
| 2-1/2 | CCSV40 |
| 3 | CCSV48 |
| 4 | CCSV64 |
| 5 | CCSV80 |
| 6 | CCSV96 |

## Single Replacement Handle, Pin, Safety Pin and Ring

- To suit female couplers

| Size | Code |
|---|---|
| 1/2 to 3/4 | CCSP08/12 |
| 1 | CCSP16 |
| 1-1/4 to 1-1/2 | CCSP20/24 |
| 2 to 2-1/2 | CCSP32/40 |
| 3 to 4 | CCSP48/64 |
| 5 | CCSP80 |
| 6 | CCSP96 |

Coupling

Nipple

## ISO B Quick release coupling and nipple (303 stainless steel)

- Sizes from 1/8" to 1" nominal bore
- BSPP female thread to ISO 228/1
- Maximum working pressure 7500 PSI
- Made to ISO 7241
- Interchangeable with other brands (ISO B)

Coupling

| Size | Code |
|---|---|
| 1/8 | QRC02 |
| 1/4 | QRC04 |
| 3/8 | QRC06 |
| 1/2 | QRC08 |
| 3/4 | QRC12 |
| 1 | QRC16 |

Nipple

| Size | Code |
|---|---|
| 1/8 | QRN02 |
| 1/4 | QRN04 |
| 3/8 | QRN06 |
| 1/2 | QRN08 |
| 3/4 | QRN12 |
| 1 | QRN16 |

SECTION 5

# PRESS FITTINGS

/05

GDPRESS fittings offer reliable and consistent performance, combined with an easy installation process using common M-countour design and tooling compatibility.

Each end has a toroidal seat, holding a rubber LBP (Leak before press) O-ring gasket. The fittings are installed with blue sleeves, which easily peel off after the pressing process.

- All fittings are made from 316L (1.4404)
- WRAS/DVGW approved
- Sizes from 15-108mm

| Application | Operating Temp. | Max. Operating Pressure | Seal |
|---|---|---|---|
| Hot and cold portable water | 0 to 100°c | 16 BAR | EPDM |
| Heating water | 0 to 100°c | 16 BAR | EPDM |
| Cooling water without antifreeze agent | 0 to 100°c | 16 BAR | EPDM |
| Cooling water with antifreeze agent | -30 to +120°c | 16 BAR | EPDM |
| Service/treated water | 0 to 100°c | 16 BAR | EPDM |
| Rainwater/grey & black water with a pH value of >6.0 | 0 to 100°c | 16 BAR | EPDM |
| Extinguishing water | 0 to 70°c | 16 BAR | EPDM |
| Extinguishing water (wet/dry, dry) | 0 to 70°c | 16 BAR | FPM |
| Sprinklers | 0 to 70°c | 16 BAR | EPDM |
| Oils, fuels and Chemicals | Please contact | Please contact | FPM |

## 90° Pressfit Elbow

- Available from 15-108mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFE15 |
| 18mm | PFE18 |
| 22mm | PFE22 |
| 28mm | PFE28 |
| 35mm | PFE35 |
| 42mm | PFE42 |
| 54mm | PFE54 |
| 76.1mm | PFE76.1 |
| 88.9mm | PFE88.9 |
| 108mm | PFE108 |

## 45° Pressfit Elbow

- Available from 15-108mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFEA15 |
| 18mm | PFEA18 |
| 22mm | PFEA22 |
| 28mm | PFEA28 |
| 35mm | PFEA35 |
| 42mm | PFEA42 |
| 54mm | PFEA54 |
| 76.1mm | PFEA76.1 |
| 88.9mm | PFEA88.9 |
| 108mm | PFEA108 |

## 90° Pressfit Extension Elbow

- Available from 15-108mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFEX15 |
| 18mm | PFEX18 |
| 22mm | PFEX22 |
| 28mm | PFEX28 |
| 35mm | PFEX35 |
| 42mm | PFEX42 |
| 54mm | PFEX54 |
| 76.1mm | PFEX76.1 |
| 88.9mm | PFEX88.9 |
| 108mm | PFEX108 |

## 45° Pressfit Extension Elbow

- Available from 15-108mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFEAX15 |
| 18mm | PFEAX18 |
| 22mm | PFEAX22 |
| 28mm | PFEAX28 |
| 35mm | PFEAX35 |
| 42mm | PFEAX42 |
| 54mm | PFEAX54 |
| 76.1mm | PFEAX76.1 |
| 88.9mm | PFEAX88.9 |
| 108mm | PFEAX108 |

## Pressfit Straight Coupling

- Available from 15-108mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFC15 |
| 18mm | PFC18 |
| 22mm | PFC22 |
| 28mm | PFC28 |
| 35mm | PFC35 |
| 42mm | PFC42 |
| 54mm | PFC54 |
| 76.1mm | PFC76.1 |
| 88.9mm | PFC88.9 |
| 108mm | PFC108 |

## Pressfit Long Coupling

- Available from 15-108mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFLC15 |
| 18mm | PFLC18 |
| 22mm | PFLC22 |
| 28mm | PFLC28 |
| 35mm | PFLC35 |
| 42mm | PFLC42 |
| 54mm | PFLC54 |
| 76.1mm | PFLC76.1 |
| 88.9mm | PFLC88.9 |
| 108mm | PFLC108 |

## Pressfit Cap

- Available from 15-108mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFCAP15 |
| 18mm | PFCAP18 |
| 22mm | PFCAP22 |
| 28mm | PFCAP28 |
| 35mm | PFCAP35 |
| 42mm | PFCAP42 |
| 54mm | PFCAP54 |
| 76.1mm | PFCAP76.1 |
| 88.9mm | PFCAP88.9 |
| 108mm | PFCAP108 |

## Pressfit Equal Tee

- Available from 15-108mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFT15 |
| 18mm | PFT18 |
| 22mm | PFT22 |
| 28mm | PFT28 |
| 35mm | PFT35 |
| 42mm | PFT42 |
| 54mm | PFT54 |
| 76.1mm | PFT76.1 |
| 88.9mm | PFT88.9 |
| 108mm | PFT108 |

## Pressfit Bridge

- Available from 15-28mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFE15 |
| 18mm | PFE18 |
| 22mm | PFE22 |
| 28mm | PFE28 |

## Pressfit Female Coupling

- Available from 15-76.1mm
- BSPP female threads to ISO 228-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code | Thread |
|---|---|---|
| 15mm | PFFC15/1/2BSPP | 1/2 |
| 15mm | PFFC15X3/4BSPP | 3/4 |
| 18mm | PFFC18X1/2BSPP | 1/2 |
| 18mm | PFFC18X3/4BSPP | 3/4 |
| 22mm | PFFC22X1/2BSPP | 1/2 |
| 22mm | PFFC22X1BSPP | 1 |
| 22mm | PFFC22X3/4BSPP | 3/4 |
| 28mm | PFFC28X114BSPP | 1-1/4 |
| 28mm | PFFC28X1BSPP | 1 |
| 28mm | PFFC28X3/4BSPP | 3/4 |
| 35mm | PFFC35X112BSPP | 1-1/2 |
| 35mm | PFFC35X114BSPP | 1-1/4 |
| 35mm | PFFC35X1BSPP | 1 |

| Size | Code | Thread |
|---|---|---|
| 42mm | PFFC42X112BSPP | 1-1/2 |
| 42mm | PFFC42X114BSPP | 1-1/4 |
| 54mm | PFFC54X112BSPP | 1-1/2 |
| 54mm | PFFC54X2BSPP | 2 |
| 76.1mm | PFFC76.1X212BSPP | 2-1/2 |

## Pressfit Swivel Female Coupling

- Available from 15-54mm
- BSPP female threads to ISO 228-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code | Thread |
|---|---|---|
| 15mm | PFCSF15X1/2BSPP | 1/2 |
| 15mm | PFCSF15X3/4BSPP | 3/4 |
| 18mm | PFCSF18X1/2BSPP | 1/2 |
| 18mm | PFCSF18X3/4BSPP | 3/4 |
| 22mm | PFCSF22X1BSPP | 1 |
| 28mm | PFCSF28X114BSPP | 1-1/4 |
| 28mm | PFCSF28X1BSPP | 1 |
| 35mm | PFCSF35X112BSPP | 1-1/4 |
| 42mm | PFCSF42X134BSPP | 1-1/2 |
| 54mm | PFCSF54X238BSPP | 2 |

## Pressfit Male Coupling

- Available from 15-108mm
- BSPT male threads to ISO 7-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code | Thread |
|---|---|---|
| 15mm | PFMC15X1/2BSPT | 1/2 |
| 15mm | PFMC15X3/4BSPT | 3/4 |
| 18mm | PFMC18X1/2BSPT | 1/2 |
| 18mm | PFMC18X3/4BSPT | 3/4 |
| 22mm | PFMC22X1/2BSPT | 1/2 |
| 22mm | PFMC22X1BSPT | 1 |
| 22mm | PFMC22X3/4BSPT | 3/4 |
| 28mm | PFMC28X114BSPT | 1-1/4 |
| 28mm | PFMC28X1BSPT | 1 |
| 28mm | PFMC28X3/4BSPT | 3/4 |
| 35mm | PFMC35X112BSPT | 1-1/2 |
| 35mm | PFMC35X114BSPT | 1-1/4 |
| 35mm | PFMC35X1BSPT | 1 |

| Size | Code | Thread |
|---|---|---|
| 42mm | PFMC42X112BSPT | 1-1/2 |
| 42mm | PFMC42X114BSPT | 1-1/4 |
| 54mm | PFMC54X112BSPT | 1-1/2 |
| 54mm | PFMC54X2BSPT | 2 |
| 76.1mm | PFMC76.1X212BSPT | 2-1/2 |
| 88.9mm | PFMC889.9X3BSPT | 3 |
| 108mm | PFMC108X4BSPT | 4 |

## Pressfit Female Elbow

- Available from 15-35mm
- BSPP female threads to ISO 228-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code | Thread |
|---|---|---|
| 15mm | PFFE15X1/2BSPP | 1/2 |
| 18mm | PFFE18X1/2BSPP | 1/2 |
| 22mm | PFFE22X3/4BSPP | 3/4 |
| 28mm | PFFE28X1BSPP | 1 |
| 35mm | PFFE35X114BSPP | 1-1/4 |

## Pressfit Female Elbow With Wall Plate

- Available from 15-35mm
- BSPP female threads to ISO 228-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code | Thread |
|---|---|---|
| 15mm | PFFEWP15X1/2BSP | 1/2 |
| 18mm | PFFEWP18X1/2BSP | 1/2 |
| 22mm | PFFEWP22X3/4BSP | 3/4 |

## Pressfit PN16 Flange Coupling

- Available from 15-108mm
- Flange dimensions to PN16
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFFLC15 |
| 18mm | PFFLC18 |
| 22mm | PFFLC18 |
| 28mm | PFFLC18 |
| 35mm | PFFLC18 |
| 42mm | PFFLC18 |
| 54mm | PFFLC18 |
| 76.1mm | PFFLC18 |
| 88.9mm | PFFLC18 |
| 108mm | PFFLC18 |

## Pressfit Female Branch Tee

- Available from 15-108mm
- BSPP female threads to ISO 228-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code | Thread |
|---|---|---|
| 15mm | PFFT15X1/2BSPP | 1/2 |
| 18mm | PFFT18X1/2BSPP | 1/2 |
| 18mm | PFFT18X3/4BSPP | 3/4 |
| 22mm | PFFT22X1/2BSPP | 1 |
| 22mm | PFFT22X3/4BSPP | 3/4 |
| 28mm | PFFT28X1/2BSPP | 1/2 |
| 28mm | PFFT28X1BSPP | 1 |
| 28mm | PFFT28X3/4BSPP | 3/4 |
| 35mm | PFFT35X1/2BSPP | 1/2 |
| 35mm | PFFT35X114BSPP | 1-1/4 |
| 35mm | PFFT35X1BSPP | 1 |
| 35mm | PFFT35X3/4BSPP | 3/4 |
| 42mm | PFFT42X1/2BSPP | 1/2 |

| Size | Code | Thread |
|---|---|---|
| 42mm | PFFT42X112BSPP | 1 |
| 42mm | PFFT42X1BSPP | 1 |
| 54mm | PFFT42X3/4BSPP | 3/4 |
| 54mm | PFFT54X1/2BSPP | 1/2 |
| 54mm | PFFT54X1BSPP | 1 |
| 54mm | PFFT54X2BSPP | 2 |
| 54mm | PFFT54X3/4BSPP | 3/4 |
| 76.1mm | PFFT76.1X2BSPP | 2 |
| 76.1mm | PFFT76.1X3/4BSPP | 3/4 |
| 88.9mm | PFFT88.9X2BSPP | 2 |
| 88.9mm | PFFT88.9X3/4BSPP | 3/4 |
| 108mm | PFFT108X2BSPP | 2 |
| 108mm | PFFT108X3/4BSPP | 3/4 |

## Pressfit Female Union Coupling

- Available from 15-54mm
- BSPP female threads to ISO 228-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code | Thread |
|---|---|---|
| 15mm | PFFU15X1/2BSPP | 1/2 |
| 15mm | PFFU15X3/4BSPP | 3/4 |
| 18mm | PFFU18X1/2BSPP | 1/2 |
| 18mm | PFFU18X3/4BSPP | 3/4 |
| 22mm | PFFU22X1BSPP | 1 |
| 22mm | PFFU22X3/4BSPP | 3/4 |
| 28mm | PFFU28X1BSPP | 1 |
| 35mm | PFFU35X114BSPP | 1-1/4 |
| 42mm | PFFU42X112BSPP | 1-1/2 |
| 54mm | PFFU54X2BSPP | 2 |

## Pressfit Male Elbow Coupling

- Available from 15-54mm
- BSPT male threads to ISO 7-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code | Thread |
|---|---|---|
| 15mm | PFME15X1/2BSPT | 1/2 |
| 18mm | PFME18X1/2BSPT | 1/2 |
| 22mm | PFME22X3/4BSPT | 3/4 |
| 28mm | PFME28X1BSPT | 1 |
| 35mm | PFME35X114BSPT | 1-1/4 |
| 42mm | PFME42X112BSPT | 1-1/2 |
| 54mm | PFME54X2BSPT | 2 |

## Pressfit Male Standpipe Adaptor

- Available from 15-54mm
- BSPT male threads to ISO 7-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code | Thread |
|---|---|---|
| 15mm | PFMSA15X1/2BSPT | 1/2 |
| 18mm | PFMSA18X1/2BSPT | 1/2 |
| 22mm | PFMSA22X3/4BSPT | 3/4 |
| 28mm | PFMSA28X1BSPT | 1 |
| 35mm | PFMSA35X114BSPT | 1-1/4 |
| 42mm | PFMSA42X112BSPT | 1-1/2 |
| 54mm | PFMSA54X2BSPT | 2 |

## Pressfit Male Tee

- Available from 15-35mm
- BSPT male threads to ISO 7-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code | Thread |
|---|---|---|
| 15mm | PFMT15X1/2BSPT | 1/2 |
| 18mm | PFMT18X1/2BSPT | 1/2 |
| 22mm | PFMT22X1/2BSPT | 1/2 |
| 22mm | PFMT22X1BSPT | 1 |
| 22mm | PFMT22X3/4BSPT | 3/4 |
| 28mm | PFMT28X1/2BSPT | 1/2 |
| 28mm | PFMT28X1BSPT | 1 |
| 35mm | PFMT35X114BSPT | 1-1/4 |
| 35mm | PFMT35X3/4BSPT | 3/4 |

## Pressfit Male Union

- Available from 15-35mm
- BSPT male threads to ISO 7-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code | Thread |
|---|---|---|
| 15mm | PFMU15X1/2BSPT | 1/2 |
| 18mm | PFMU18X3/4BSPT | 3/4 |
| 18mm | PFMU18X1/2BSPT | 1/2 |
| 18mm | PFMU18X3/4BSPT | 3/4 |
| 22mm | PFMU22X1/2BSPT | 1/2 |
| 22mm | PFMU22X1BSPT | 1 |
| 22mm | PFMU22X3/4BSPT | 3/4 |
| 28mm | PFMU28X1BSPT | 1 |
| 35mm | PFMU35X114BSPT | 1-1/4 |
| 42mm | PFMU42X112BSPT | 1-1/2 |
| 54mm | PFMU54X2BSPT | 2 |

## Pressfit Reducing Adaptor

- Available from 15-108mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 18 x 15mm | PFRA1815 |
| 22 x 15mm | PFRA2215 |
| 22 x 18mm | PFRA2218 |
| 28 x 15mm | PFRA2815 |
| 28 x 18mm | PFRA2818 |
| 28 x 22mm | PFRA2822 |
| 35 x 15mm | PFRA2815 |
| 35 x 18mm | PFRA3518 |
| 35 x 22mm | PFRA3522 |
| 35 x 28mm | PFRA3528 |
| 42 x 15mm | PFRA4215 |
| 42 x 18mm | PFRA4218 |
| 42 x 22mm | PFRA4222 |
| 42 x 28mm | PFRA4228 |

| Size | Code |
|---|---|
| 42 x 35mm | PFRA4235 |
| 54 x 15mm | PFRA5415 |
| 54 x 18mm | PFRA5418 |
| 54 x 22mm | PFRA5422 |
| 54 x 28mm | PFRA5428 |
| 54 x 35mm | PFRA5435 |
| 54 x 42mm | PFRA5442 |
| 76.1 x 54mm | PFRA76.1X54 |
| 88.9 x 54mm | PFRA88.9X54 |
| 88.9 x 76.1mm | PFRA88.9X76.1 |
| 108 x 54mm | PFRA108X54 |
| 108 x 76.1mm | PFRA108X76.1 |
| 108 x 88.9mm | PFRA108X88.9 |

## Pressfit Reducing Tee

- Available from 15-108mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 18 x 15mm | PFRT1815 |
| 22 x 15mm | PFRT2215 |
| 22 x 18mm | PFRT2218 |
| 28 x 15mm | PFRT2815 |
| 28 x 18mm | PFRT2818 |
| 28 x 22mm | PFRT2822 |
| 35 x 15mm | PFRT3515 |
| 35 x 18mm | PFRT3518 |
| 35 x 22mm | PFRT3522 |
| 35 x 28mm | PFRT3528 |
| 42 x 15mm | PFRT4215 |
| 42 x 18mm | PFRT4218 |
| 42 x 22mm | PFRT4222 |

| Size | Code |
|---|---|
| 42 x 28mm | PFRT4228 |
| 42 x 35mm | PFRT5435 |
| 54 x 15mm | PFRT5415 |
| 54 x 18mm | PFRT5418 |
| 54 x 22mm | PFRT5422 |
| 54 x 28mm | PFRT5428 |
| 54 x 35mm | PFRT5435 |
| 54 x 42mm | PFRT5442 |
| 76.1 x 22mm | PFRT76.1X22 |
| 76.1 x 28mm | PFRT76.1X28 |
| 76.1 x 35mm | PFRT76.1X35 |
| 76.1 x 42mm | PFRT76.1X42 |
| 76.1 x 54mm | PFRT76.1X54 |

| Size | Code |
|---|---|
| 88.9 x 22mm | PFRT88.9X22 |
| 88.9 x 28mm | PFRT88.9X28 |
| 88.9 x 35mm | PFRT88.9X35 |
| 88.9 x 42mm | PFRT88.9X42 |
| 88.9 x 54mm | PFRT88.9X54 |
| 88.9 x 76.1mm | PFRT88.9X76.1 |
| 108 x 22mm | PFRT108X22 |
| 108 x 28mm | PFRT108X28 |
| 108 x 35mm | PFRT108X35 |
| 108 x 42mm | PFRT108X42 |
| 108 x 54mm | PFRT108X54 |
| 108 x 76.1mm | PFRT108X76.1 |
| 108 x 88.9mm | PFRT108X88.9 |

## Pressfit Union

- Available from 15-54mm
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFU15 |
| 18mm | PFU18 |
| 22mm | PFU22 |
| 28mm | PFU28 |
| 35mm | PFU35 |
| 42mm | PFU42 |
| 54mm | PFU54 |

## Pressfit 3 Piece Ball Valve

- Available from 15-42mm
- BSPT male threads to ISO 7-1
- For use with M-profile press tools
- Maximum pressure of 16 BAR from -35 to 135 °C

| Size | Code |
|---|---|
| 15mm | PFFBVX15 |
| 18mm | PFFBVX18 |
| 22mm | PFFBVX22 |
| 28mm | PFFBVX28 |
| 35mm | PFFBVX35 |
| 42mm | PFFBVX42 |

## Pressfit Sealing Gasket

- Available from 15-108mm
- FPM (optional seal) -20°C to +200°C
- EPDM (standard seal) -35°C to +135°C
- For use with M-profile press tools

| Size | Code | |
|---|---|---|
| | EPDM | FPM |
| 15mm | PFGEPDM15 | PFGFPM15 |
| 18mm | PFGEPDM18 | PFGFPM18 |
| 22mm | PFGEPDM22 | PFGFPM22 |
| 28mm | PFGEPDM28 | PFGFPM28 |
| 35mm | PFGEPDM35 | PFGFPM35 |
| 42mm | PFGEPDM42 | PFGFPM42 |
| 54mm | PFGEPDM54 | PFGFPM54 |
| 76.1mm | - | PFGFPM76.1 |
| 88.9mm | - | PFGFPM88.9 |
| 108mm | - | PFGFPM108 |

## Pressfit Tube

- Available from 15-108mm
- Made from 316/L welded material
- For use with any profile press tools
- Conforms to BSEN 10312
- WRAS/DVGW Approved

| Size | Code |
|---|---|
| | EDPM |
| 15mm | PF151316W |
| 18mm | PF181316W |
| 22mm | PF221.21316W |
| 22mm | PF221.2316W |
| 28mm | PF281.2316W |
| 35mm | PF351.5316W |
| 42mm | PF421.5316W |
| 54mm | PF541.5316W |
| 76.1mm | PF76.1X2.0316W |
| 88.9mm | PF88.9X2.0316W |
| 108mm | PF108X2.0316W |

SECTION 6

# BUTT WELD FITTINGS

/06

Nero's range of butt weld fittings come fully certified to ASTM A403, ANSI B16.9, Ansi B16.20 and MSS SP-43 standards.

- 3.1b certificates are available on request
- SCH10 or SCH40 thickness
- From 1/2" to 12" and Schedule 10 or Schedule 40 thickness

| Maximum working pressure | | |
|---|---|---|
| Size | SCH10 | SCH40 |
| 1/8 | - | 6288 |
| 1/4 | - | 6106 |
| 3/8 | - | 5038 |
| 1/2 | 3698 | 4855 |
| 3/4 | 2959 | 4025 |
| 1 | 3102 | 3785 |
| 1 1/4 | 2457 | 3158 |
| 1 1/2 | 2147 | 2852 |
| 2 | 1717 | 2424 |
| 2 1/2 | 1562 | 2643 |
| 3 | 1283 | 2310 |
| 4 | 998 | 1970 |
| 5 | 900 | 1734 |
| 6 | 756 | 1580 |
| 8 | 642 | 1396 |
| 10 | 574 | 1270 |
| 12 | 527 | 1100 |

| Pipe Size | OD | SCH10 Thickness | SCH40 Thickness |
|---|---|---|---|
| 1/8 | 10.29 | - | 1.73 |
| 1/4 | 13.72 | - | 2.24 |
| 3/8 | 17.15 | - | 2.31 |
| 1/2 | 21.34 | 2.11 | 2.77 |
| 3/4 | 26.67 | 2.11 | 2.87 |
| 1 | 33.40 | 2.77 | 3.38 |
| 1-1/4 | 42.16 | 2.77 | 3.56 |
| 1-1/2 | 48.26 | 2.77 | 3.68 |
| 2 | 60.33 | 2.77 | 3.91 |
| 2-1/2 | 73.03 | 3.05 | 5.16 |
| 3 | 88.90 | 3.05 | 5.49 |
| 4 | 114.30 | 3.05 | 6.02 |
| 5 | 141.30 | 3.40 | 6.55 |
| 6 | 168.28 | 3.40 | 7.11 |
| 8 | 219.08 | 3.76 | 8.18 |
| 10 | 273.05 | 4.19 | 9.27 |
| 12 | 323.85 | 4.57 | 9.53 |

*All sizes are in mm

## Butt Weld Cap

- Available in 316/L and 304/L
- Schedule 10 and schedule 40
- Sizes from 1/2 to 12”

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 1/2 | BC08/1 | BC08/1-304 | BC08/4 | BC08/4-304 |
| 3/4 | BC12/1 | BC12/1-304 | BC12/4 | BC012/4-304 |
| 1 | BC16/1 | BC16/1-304 | BC16/4 | BC016/4-304 |
| 1-1/4 | BC20/1 | BC20/1-304 | BC20/4 | BC20/4-304 |
| 1-1/2 | BC24/1 | BC24/1-304 | BC24/4 | BC24/4-304 |
| 2 | BC32/1 | BC32/1-304 | BC32/4 | BC32/4-304 |
| 2-1/2 | BC40/1 | BC40/1-304 | BC40/4 | BC40/4-304 |
| 3 | BC48/1 | BC48/1-304 | BC48/4 | BC48/4-304 |
| 4 | BC64/1 | BC64/1-304 | BC64/4 | BC64/4-304 |
| 5 | BC80/1 | BC80/1-304 | BC80/4 | BC80/4-304 |
| 6 | BC96/1 | BC96/1-304 | BC96/4 | BC96/4-304 |
| 8 | BC128/1 | BC128/1-304 | BC128/4 | - |
| 10 | BC160/1 | BC160/1-304 | - | - |
| 12 | - | BC192/1-304 | - | - |

## Long Radius 90° Elbow

- Available in 316/L and 304/L
- Schedule 10 and schedule 40
- Sizes from 1/2 to 12”

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 1/2 | BE08/1 | BE08/1-304 | BE08/4 | BE08/4-304 |
| 3/4 | BE12/1 | BE12/1-304 | BE12/4 | BE012/4-304 |
| 1 | BE16/1 | BE16/1-304 | BE16/4 | BE016/4-304 |
| 1-1/4 | BE20/1 | BE20/1-304 | BE20/4 | BE20/4-304 |
| 1-1/2 | BE24/1 | BE24/1-304 | BE24/4 | BE24/4-304 |
| 2 | BE32/1 | BE32/1-304 | BE32/4 | BE32/4-304 |
| 2-1/2 | BE40/1 | BE40/1-304 | BE40/4 | BE40/4-304 |
| 3 | BE48/1 | BE48/1-304 | BE48/4 | BE48/4-304 |
| 4 | BE64/1 | BE64/1-304 | BE64/4 | BE64/4-304 |
| 5 | BE80/1 | BE80/1-304 | BE80/4 | BE80/4-304 |
| 6 | BE96/1 | BE96/1-304 | BE96/4 | BE96/4-304 |
| 8 | BE128/1 | BE128/1-304 | BE128/4 | BE160/4-304 |
| 10 | BE160/1 | BE160/1-304 | - | - |
| 12 | - | BE192/1-304 | - | - |

## Conical Reducer

- Available in 316/L and 304/L
- Schedule 10 and schedule 40
- Sizes from 1/2 to 12”

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 3/4 x 3/8 | BCR1206/1 | BCR1206/1-304 | BCR1206/4 | BCR1206/4-304 |
| 3/4 x 1/2 | BCR1208/1 | BCR1208/1-304 | BCR1208/4 | BCR1208/4-304 |
| 1 x 1/2 | BCR1608/1 | BCR1608/1-304 | BCR1608/4 | BCR1608/4-304 |
| 1 x 3/4 | BCR1612/1 | BCR1612/1-304 | BCR1612/4 | BCR1612/4-304 |
| 1.1/4 x 1/2 | BCR2008/1 | BCR2008/1-304 | - | - |
| 1.1/4 x 3/4 | BCR2012/1 | BCR2012/1-304 | - | BCR2012/4-304 |
| 1.1/4 x 1 | BCR2016/1 | BCR2016/1-304 | BCR2016/4 | BCR2016/4-304 |
| 1.1/2 x 1/2 | BCR2408/1 | BCR2408/1-304 | BCR2408/4 | BCR2408/4-304 |
| 1.1/2 x 3/4 | BCR2412/1 | BCR2412/1-304 | BCR2412/4 | BCR2412/4-304 |
| 1.1/2 x 1 | BCR2416/1 | BCR2416/1-304 | BCR2416/4 | BCR2416/4-304 |
| 1.1/2 x 1.1/4 | BCR2420/1 | BCR2420/1-304 | BCR2420/4 | BCR2420/4-304 |
| 2 x 1/2 | BCR3208/1 | BCR3208/1-304 | - | - |
| 2 x 3/4 | BCR3212/1 | BCR3212/1-304 | BCR3212/4 | BCR3212/4-304 |
| 2 x 1 | BCR3216/1 | BCR3216/1-304 | BCR3216/4 | BCR3216/4-304 |
| 2 x 1.1/4 | BCR3220/1 | BCR3220/1-304 | BCR3220/4 | BCR3220/4-304 |
| 2 x 1.1/2 | BCR3224/1 | BCR3224/1-304 | BCR3224/4 | BCR3224/4-304 |
| 2.1/2 x 1 | BCR4016/1 | BCR4016/1-304 | BCR4016/4 | BCR4016/4-304 |
| 2.1/2 x 1.1/4 | BCR4020/1 | BCR4020/1-304 | BCR4020/4 | BCR4020/4-304 |
| 2.1/2 x 1.1/2 | BCR4024/1 | BCR4024/1-304 | BCR4024/4 | BCR4024/4-304 |
| 2.1/2 x 2 | BCR4032/1 | BCR4032/1-304 | BCR4032/4 | BCR4032/4-304 |
| 3 x 1 | BCR4816/1 | BCR4816/1-304 | BCR4816/4 | BCR4816/4-304 |
| 3 x 1.1/4 | BCR4820/1 | BCR4820/1-304 | BCR4820/4 | BCR4820/4-304 |
| 3 x 1.1/2 | BCR4824/1 | BCR4824/1-304 | BCR4824/4 | BCR4824/4-304 |
| 3 x 2 | BCR4832/1 | BCR4832/1-304 | BCR4832/4 | BCR4832/4-304 |
| 3 x 2.1/2 | BCR4840/1 | BCR4840/1-304 | BCR4840/4 | BCR4840/4-304 |
| 4 x 1.1/2 | BCR6424/1 | BCR6424/1-304 | - | - |
| 4 x 2 | BCR6432/1 | BCR6432/1-304 | BCR6432/4 | BCR6432/4-304 |
| 4 x 1.1/2 | BCR6440/1 | BCR6440/1-304 | BCR6440/4 | BCR6440/4-304 |
| 4 x 3 | BCR6448/1 | BCR6448/1-304 | BCR6448/4 | BCR6448/4-304 |
| 5 x 3 | BCR8048/1 | BCR8048/1-304 | BCR8048/4 | BCR8048/4-304 |
| 5 x 4 | BCR8064/1 | BCR8064/1-304 | BCR8064/4 | BCR8064/4-304 |

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 6 x 3 | BCR9648/1 | BCR9648/1-304 | BCR9648/4 | BCR9648/4-304 |
| 6 x 4 | BCR9664/1 | BCR9664/1-304 | BCR9664/4 | BCR9664/4-304 |
| 6 x 5 | BCR9680/1 | BCR9680/1-304 | BCR9680/4 | BCR9680/4-304 |
| 8 x 4 | BCR12864/1 | BCR12864/1-304 | BCR12864/4 | - |
| 8 x 5 | BCR12880/1 | BCR12880/1-304 | BCR12880/4 | - |
| 8 x 6 | BCR12896/1 | BCR12896/1-304 | BCR12896/4 | - |
| 10 x 6 | BCR16096/1 | BCR16096/1-304 | - | - |
| 10 x 8 | BCR160128/1 | BCR160128/1-304 | - | - |
| 12 x 6 | - | BCR19296/1-304 | - | - |
| 12 x 8 | - | BCR192128/1-304 | - | - |
| 12 x 10 | - | BCR192160/1-304 | - | - |

## Long Radius 45° Elbow

- Available in 316/L and 304/L
- Schedule 10 and schedule 40
- Sizes from 1/2 to 12”

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 1/2 | BEA08/1 | BEA08/1-304 | BEA08/4 | BEA08/4-304 |
| 3/4 | BEA12/1 | BEA12/1-304 | BEA12/4 | BEA012/4-304 |
| 1 | BEA16/1 | BEA16/1-304 | BEA16/4 | BEA016/4-304 |
| 1-1/4 | BEA20/1 | BEA20/1-304 | BEA20/4 | BEA20/4-304 |
| 1-1/2 | BEA24/1 | BEA24/1-304 | BEA24/4 | BEA24/4-304 |
| 2 | BEA32/1 | BEA32/1-304 | BEA32/4 | BEA32/4-304 |
| 2-1/2 | BEA40/1 | BEA40/1-304 | BEA40/4 | BEA40/4-304 |
| 3 | BEA48/1 | BEA48/1-304 | BEA48/4 | BEA48/4-304 |
| 4 | BEA64/1 | BEA64/1-304 | BEA64/4 | BEA64/4-304 |
| 5 | BEA80/1 | BEA80/1-304 | BEA80/4 | BEA80/4-304 |
| 6 | BEA96/1 | BEA96/1-304 | BEA96/4 | BEA96/4-304 |
| 8 | BEA128/1 | BEA128/1-304 | BEA128/4 | - |
| 10 | BEA160/1 | BEA160/1-304 | - | - |
| 12 | - | BEA192/1-304 | - | - |

## Short Radius 90° Elbow

- Available in 316/L and 304/L
- Schedule 10 and schedule 40
- Sizes from 1/2 to 12”

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 3/4 | BES12/1 | - | - | - |
| 1 | BES16/1 | BES16/1-304 | BES16/4 | BES16/4-304 |
| 1-1/4 | BES20/1 | BES20/1-304 | BES20/4 | BES20/4-304 |
| 1-1/2 | BES24/1 | BES24/1-304 | BES24/4 | BES24/4-304 |
| 2 | BES32/1 | BES32/1-304 | BES32/4 | BES32/4-304 |
| 2-1/2 | BES40/1 | BES40/1-304 | BES40/4 | BES40/4-304 |
| 3 | BES48/1 | BES48/1-304 | BES48/4 | BES48/4-304 |
| 4 | BES64/1 | BES64/1-304 | BES64/4 | BES64/4-304 |
| 5 | BES80/1 | BES80/1-304 | BES80/4 | BES80/4-304 |
| 6 | BES96/1 | BES96/1-304 | BES96/4 | BES96/4-304 |
| 8 | BES128/1 | BES128/1-304 | BES128/4 | - |
| 10 | BES160/1 | BES160/1-304 | - | - |
| 12 | - | BES192/1-304 | - | - |

## Eccentric Reducer

- Available in 316/L and 304/L
- Schedule 10 and schedule 40
- Sizes from 1/2 to 12”

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 3/4 x 1/2 | BER1208/1 | BER1208/1-304 | BER1208/4 | BER1208/4-304 |
| 1 x 1/2 | BER1608/1 | BER1608/1-304 | BER1608/4 | BER1608/4-304 |
| 1 x 3/4 | BER1612/1 | BER1612/1-304 | BER1612/4 | BER1612/4-304 |
| 1.1/4 x 1 | BER2016/1 | BER2016/1-304 | BER2016/4 | BER2016/4-304 |
| 1.1/2 x 1/2 | BER2408/1 | BER2408/1-304 | BER2408/4 | BER2408/4-304 |
| 1.1/2 x 3/4 | BER2412/1 | BER2412/1-304 | BER2412/4 | BER2412/4-304 |
| 1.1/2 x 1 | BER2416/1 | BER2416/1-304 | BER2416/4 | BER2416/4-304 |
| 1.1/2x3/4 | BER2420/1 | BER2420/1-304 | BER2420/4 | BER2420/4-304 |
| 2 x 1/2 | BER3208/1 | BER3208/1-304 | BER3208/4 | BER3208/4-304 |
| 2 x 3/4 | BER3212/1 | BER3212/1-304 | BER3212/4 | BER3212/4-304 |
| 2 x 1 | BER3216/1 | BER3216/1-304 | BER3216/4 | BER3216/4-304 |
| 2 x 1.1/4 | BER3220/1 | BER3220/1-304 | BER3220/4 | BER3220/4-304 |
| 2 x 1.1/2 | BER3224/1 | BER3224/1-304 | BER3224/4 | BER3224/4-304 |
| 2.1/2 x 1 | BER4016/1 | BER4016/1-304 | BER4016/4 | BER4016/4-304 |
| 2.1/2 x 1.1/2 | BER4024/1 | BER4024/1-304 | BER4024/4 | BER4024/4-304 |
| 2.1/2 x 2 | BER4032/1 | BER4032/1-304 | BER4032/4 | BER4032/4-304 |
| 3 x 1 | BER4816/1 | BER4816/1-304 | BER4816/4 | BER4816/4-304 |
| 3 x 1.1/2 | BER4824/1 | BER4824/1-304 | BER4824/4 | BER4824/4-304 |
| 3 x 2 | BER4832/1 | BER4832/1-304 | BER4832/4 | BER4832/4-304 |
| 3 x 2.1/2 | BER4840/1 | BER4840/1-304 | BER4840/4 | BER4840/4-304 |
| 4 x 2 | BER6432/1 | BER6432/1-304 | BER6432/4 | BER6432/4-304 |
| 4x2.1/2 | BER6440/1 | BER6440/1-304 | BER6440/4 | BER6440/4-304 |
| 4 x 3 | BER6448/1 | BER6448/1-304 | BER6448/4 | BER6448/4-304 |
| 5 x 3 | BER8048/1 | BER8048/1-304 | BER8048/4 | BER8048/4-304 |
| 5 x 4 | BER8064/1 | BER8064/1-304 | BER8064/4 | BER8064/4-304 |
| 6 x 3 | BER9648/1 | BER9648/1-304 | BER9648/4 | BER9648/4-304 |

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 6 x 4 | BER9664/1 | BER9664/1-304 | BER9664/4 | BER9664/4-304 |
| 6 x 5 | BER9680/1 | BER9680/1-304 | BER9680/4 | BER9680/4-304 |
| 8 x 4 | BER12864/1 | BER12864/1-304 | - | - |
| 8 x 5 | BER12880/1 | BER12880/1-304 | - | - |
| 8 x 6 | BER12896/1 | BER12896/1-304 | - | - |
| 10 x 6 | BER16096/1 | BER16096/1-304 | - | - |
| 10 x 8 | BER160128/1 | BER160128/1-304 | - | - |
| 12 x 8 | - | BER192128/1-304 | - | - |
| 12 x 10 | - | BER192160/1-304 | - | - |

## Reducing Branch Tee

- Available in 316/L and 304/L
- Schedule 10 and schedule 40
- Sizes from 1/2 to 12”

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 3/4 x 1/2 | BRT1208/1 | BRT1208/1-304 | BRT1208/4 | BRT1208/4-304 |
| 1 x 1/2 | BRT1608/1 | BRT1608/1-304 | BRT1608/4 | BRT1608/4-304 |
| 1 x 3/4 | BRT1612/1 | BRT1612/1-304 | BRT1612/4 | BRT1612/4-304 |
| 1.1/4 x 1 | BRT2016/1 | BRT2016/1-304 | BRT2016/4 | BRT2016/4-304 |
| 1.1/2 x 1/2 | BRT2408/1 | BRT2408/1-304 | - | - |
| 1.1/2 x 3/4 | BRT2412/1 | BRT2412/1-304 | - | BRT2412/4-304 |
| 1.1/2 x 1 | BRT2416/1 | BRT2416/1-304 | BRT2416/4 | BRT2416/4-30 |
| 1.1/2 x 3/4 | BRT2420/1 | BRT2420/1-304 | BRT2420/4 | - |
| 2 x 1/2 | BRT3208/1 | BRT3208/1-304 | - | - |
| 2 x 3/4 | BRT3212/1 | BRT3212/1-304 | - | BRT3216/4-304 |
| 2 x 1 | BRT3216/1 | BRT3216/1-304 | BRT3216/4 | BRT3220/4-304 |
| 2 x 1.1/4 | BRT3220/1 | BRT3220/1-304 | BRT3220/4 | BRT3224/4-304 |
| 2 x 1.1/2 | BRT3224/1 | BRT3224/1-304 | BRT3224/4 | BRT4016/4-304 |
| 2.1/2 x 1 | BRT4016/1 | BRT4016/1-304 | BRT4016/4 | BRT4016/4-304 |
| 2.1/2 x 1.1/4 | BRT4020/1 | BRT4020/1-304 | BRT4020/4 | BRT4020/4-304 |
| 2.1/2 x 1.1/2 | BRT4024/1 | BRT4024/1-304 | BRT4024/4 | BRT4024/4-304 |
| 2.1/2 x 2 | BRT4032/1 | BRT4032/1-304 | BRT4032/4 | BRT4032/4-304 |
| 3 x 1 | BRT4816/1 | BRT4816/1-304 | BRT4816/4 | BRT4816/4-304 |
| 3 x 1.1/4 | BRT4820/1 | BRT4820/1-304 | BRT4820/4 | BRT4820/4-304 |
| 3 x 1.1/2 | BRT4824/1 | BRT4824/1-304 | BRT4824/4 | BRT4824/4-304 |
| 3 x 2 | BRT4832/1 | BRT4832/1-304 | BRT4832/4 | BRT4832/4-304 |
| 3 x 2.1/2 | BRT4840/1 | BRT4840/1-304 | BRT4840/4 | BRT4840/4-304 |
| 4 x 1.1/2 | BRT6424/1 | BRT6424/1-304 | - | BRT6432/4-304 |
| 4 x 2 | BRT6432/1 | BRT6432/1-304 | BRT6432/4 | - |
| 4 x 2.1/2 | BRT6440/1 | BRT6440/1-304 | BRT6440/4 | BRT6440/4-304 |
| 4 x 3 | BRT6448/1 | BRT6448/1-304 | BRT6448/4 | BRT6448/4-304 |

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 5 x 3 | BRT8048/1 | BRT8048/1-304 | BRT8048/4 | BRT8048/4-304 |
| 5 x 4 | BRT8064/1 | BRT8064/1-304 | BRT8064/4 | BRT8064/4-304 |
| 6 x 3 | BRT9648/1 | BRT9648/1-304 | BRT9648/4 | BRT9648/4-304 |
| 6 x 4 | BRT9664/1 | BRT9664/1-304 | BRT9664/4 | BRT9664/4-304 |
| 6 x 5 | BRT9680/1 | BRT9680/1-304 | BRT9680/4 | BRT9680/4-304 |
| 8 x 4 | BRT12864/1 | BRT12864/1-304 | - | - |
| 8 x 5 | BRT12880/1 | BRT12880/1-304 | - | - |
| 8 x 6 | BRT12896/1 | BRT12896/1-304 | - | - |
| 10 x 6 | BRT16096/1 | BRT16096/1-304 | - | - |
| 10 x 8 | BRT160128/1 | BRT160128/1-304 | - | - |
| 12 x 6 | - | BRT19296/1-304 | - | - |
| 12 x 8 | - | BRT192128/1-304 | - | - |
| 12 x 10 | - | BRT192160/1-304 | - | - |

## Type-A Stub End

- Available in 316/L and 304/L
- Schedule 10 and schedule 40
- Sizes from 1/2 to 12”

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 1/2 | BSE08/1 | BSE08/1-304 | BSE08/4 | BSE08/4-304 |
| 3/4 | BSE12/1 | BSE12/1-304 | BSE12/4 | BSE12/4-304 |
| 1 | BSE16/1 | BSE16/1-304 | BSE16/4 | BSE16/4-304 |
| 1-1/4 | BSE20/1 | BSE20/1-304 | BSE20/4 | BSE20/4-304 |
| 1-1/2 | BSE24/1 | BSE24/1-304 | BSE24/4 | BSE24/4-304 |
| 2 | BSE32/1 | BSE32/1-304 | BSE32/4 | BSE32/4-304 |
| 2-1/2 | BSE40/1 | BSE40/1-304 | BSE40/4 | BSE40/4-304 |
| 3 | BSE48/1 | BSE48/1-304 | BSE48/4 | BSE48/4-304 |
| 4 | BSE64/1 | BSE64/1-304 | BSE64/4 | BSE64/4-304 |
| 5 | BSE80/1 | BSE80/1-304 | BSE80/4 | BSE80/4-304 |
| 6 | BSE96/1 | BSE96/1-304 | BSE96/4 | BSE96/4-304 |
| 8 | BSE128/1 | BSE128/1-304 | - | - |
| 10 | BSE160/1 | BSE160/1-304 | - | - |
| 12 | - | BSE192/1-304 | - | - |

## Equal Tee

- Available in 316/L and 304/L
- Schedule 10 and schedule 40
- Sizes from 1/2 to 12”

| Size | Code | | | |
|---|---|---|---|---|
| | SCH10-316 | SCH10-304 | SCH40-316 | SCH40-304 |
| 1/2 | BT08/1 | BT08/1-304 | BT08/4 | BT08/4-304 |
| 3/4 | BT12/1 | BT12/1-304 | BT12/4 | BT12/4-304 |
| 1 | BT16/1 | BT16/1-304 | BT16/4 | BT16/4-304 |
| 1-1/4 | BT20/1 | BT20/1-304 | BT20/4 | BT20/4-304 |
| 1-1/2 | BT24/1 | BT24/1-304 | BT24/4 | BT24/4-304 |
| 2 | BT32/1 | BT32/1-304 | BT32/4 | BT32/4-304 |
| 2-1/2 | BT40/1 | BT40/1-304 | BT40/4 | BT40/4-304 |
| 3 | BT48/1 | BT48/1-304 | BT48/4 | BT48/4-304 |
| 4 | BT64/1 | BT64/1-304 | BT64/4 | BT64/4-304 |
| 5 | BT80/1 | BT80/1-304 | BT80/4 | BT80/4-304 |
| 6 | BT96/1 | BT96/1-304 | BT96/4 | BT96/4-304 |
| 8 | BT128/1 | BT128/1-304 | BT128/4 | - |
| 10 | BT160/1 | BT160/1-304 | - | - |
| 12 | - | BT192/1-304 | - | - |

## Butt Weld Pressed Collar

- Available in 316/L
- Schedule 10 only
- Sizes from 1” to 8”

| Size | Code |
|---|---|
| 1 | BWPC16/1-304 |
| 1-1/4 | BWPC20/1-304 |
| 1-1/2 | BWPC24/1-304 |
| 2 | BWPC32/1-304 |
| 2-1/2 | BWPC40/1-304 |
| 3 | BWPC48/1-304 |
| 4 | BWPC64/1-304 |
| 5 | BWPC80/1-304 |
| 6 | BWPC96/1-304 |
| 8 | BWPC128/1-304 |

SECTION 7

# FLANGES, GASKETS & BOLT KITS

/07

Nero's range of flanges are all suitable for Nominal bore pipe sizes. 3.1b material certificates are available on request for our stainless steel flanges in either 316/L or 304/L. We keep stock from 1/2" to 12" and maximum temperature/pressure information is shown below.

- PN flanges to EN1092-1
- ANSI flanges to ANSI/ASME B16.5
- Table E flanges to BS10

| | Flange specification | | | | | |
|---|---|---|---|---|---|---|
| Temperature | ANSI 150 | ANSI 300 | PN6 | PN16 | PN40 | TABLE E |
| Room | 450 | 1125 | 87 | 232 | 580 | 200 |
| 100°C | 290 | 750 | 77 | 206 | 516 | 200 |
| 200°C | 260 | 750 | 64 | 170 | 425 | 200 |
| 300°C | 230 | 730 | 57 | 149 | 374 | 155 |
| 400°C | 200 | 705 | 52 | 139 | 348 | 100 |
| 500°C | 170 | 665 | 49 | 132 | 331 | - |
| 600°C | 140 | 605 | - | - | - | - |

## PN6 Slip on Flange

- To EN1092-1 in 316/L grade
- From 1/2" to 6" nominal bore

| Size | Code | Bolt kit |
|---|---|---|
| 1/2 | F630.5 | BK01 |
| 3/4 | F630.75 | BK01 |
| 1 | F631.0 | BK01 |
| 1-1/4 | F631.25 | BK03 |
| 1-1/2 | F631.5 | BK03 |
| 2 | F632.0 | BK03 |
| 2-1/2 | F632.5 | BK03 |
| 3 | F633.0 | BK04 |
| 4 | F634.0 | BK04 |
| 5 | F635.0 | BK07 |
| 6 | F636.0 | BK07 |

## PN6 Blind Flange

- To EN1092-1 in 316/L grade
- From 1/2" to 6" nominal bore

| Size | Code | Bolt kit |
|---|---|---|
| 1/2 | F680.5 | BK01 |
| 3/4 | F680.75 | BK01 |
| 1 | F681.0 | BK01 |
| 1-1/4 | F681.25 | BK03 |
| 1-1/2 | F681.5 | BK03 |
| 2 | F682.0 | BK03 |
| 2-1/2 | F682.5 | BK03 |
| 3 | F683.0 | BK04 |
| 4 | F684.0 | BK04 |
| 5 | F685.0 | BK07 |
| 6 | F686.0 | BK07 |

## PN6 BSPP Threaded Flange

- To EN1092-1 in 316/L grade
- From 1/2" to 4" nominal bore
- BSPP female thread to ISO 228/1

| Size | Code | Bolt kit |
|---|---|---|
| 1/2 | F640.5 | BK01 |
| 3/4 | F640.75 | BK01 |
| 1 | F641.0 | BK01 |
| 1-1/4 | F641.25 | BK03 |
| 1-1/2 | F641.5 | BK03 |
| 2 | F642.0 | BK03 |
| 2-1/2 | F642.5 | BK03 |
| 3 | F643.0 | BK04 |
| 4 | F644.0 | BK04 |

## PN10 Slip on Flange

- To EN1092-1 in 316/L and 304/L
- From 8" to 12" nominal bore

| Size | Code | | |
|---|---|---|---|
| | 316/L | 304/L | Bolt kit |
| 1/2 | As PN16 | As PN16 | - |
| 3/4 | As PN16 | As PN16 | - |
| 1 | As PN16 | As PN16 | - |
| 1-1/4 | As PN16 | As PN16 | - |
| 1-1/2 | As PN16 | As PN16 | - |
| 2 | As PN16 | As PN16 | - |
| 2-1/2 | As PN16 | As PN16 | - |
| 3 | As PN16 | As PN16 | - |
| 4 | As PN16 | As PN16 | - |
| 5 | As PN16 | As PN16 | - |
| 6 | As PN16 | As PN16 | - |
| 8 | F1038.0 | F1038.0-304 | BK10 |
| 10 | F10310.0 | F10310.0-304 | BK13 |
| 12 | - | F10312.0-304 | BK13 |

## PN10 Blind Flange

- To EN1092-1 in 316/L and 304/L
- From 8" to 12" nominal bore

| Size | Code | | |
|---|---|---|---|
| | 316/L | 304/L | Bolt kit |
| 1/2 | As PN16 | As PN16 | - |
| 3/4 | As PN16 | As PN16 | - |
| 1 | As PN16 | As PN16 | - |
| 1-1/4 | As PN16 | As PN16 | - |
| 1-1/2 | As PN16 | As PN16 | - |
| 2 | As PN16 | As PN16 | - |
| 2-1/2 | As PN16 | As PN16 | - |
| 3 | As PN16 | As PN16 | - |
| 4 | As PN16 | As PN16 | - |
| 5 | As PN16 | As PN16 | - |
| 6 | As PN16 | As PN16 | - |
| 8 | F1088.0 | F1088.0-304 | BK10 |
| 10 | F10810.0 | F10810.0-304 | BK13 |
| 12 | - | F10812.0-304 | BK13 |

## PN16 Slip on Flange

- To EN1092-1 in 316/L and 304/L
- From 1/2" to 12" nominal bore

| Size | Code | | |
|---|---|---|---|
| | 316/L | 304/L | Bolt kit |
| 1/2 | F1630.5 | F1630.5-304 | BK03 |
| 3/4 | F1630.75 | F1630.75-304 | BK03 |
| 1 | F1631.0 | F1631.0-304 | BK03 |
| 1-1/4 | F1631.25 | F1631.25-304 | BK04 |
| 1-1/2 | F1631.5 | F1631.5-304 | BK04 |
| 2 | F1632.0 | F1632.0-304 | BK04 |
| 2-1/2 | F1632.5 | F1632.5-304 | BK04 |
| 2-1/2 | F1632.5/8 HOLE | F1632.5-304/8 HOLE | BK05 |
| 3 | F1633.0 | F1633.0-304 | BK07 |
| 4 | F1634.0 | F1634.0-304 | BK07 |
| 5 | F1635.0 | F1635.0-304 | BK07 |
| 6 | F1636.0 | F1636.0-304 | BK10 |
| 8 | F1638.0 | F1638.0-304 | BK11 |
| 10 | F16310.0 | F16310.0-304 | BK15 |
| 12 | - | F16312.0-304 | BK15 |

## PN16 Blind Flange

- To EN1092-1 in 316/L and 304/L
- From 1/2" to 12" nominal bore

| Size | Code | | |
|---|---|---|---|
| | 316/L | 304/L | Bolt kit |
| 1/2 | F1680.5 | F1680.5-304 | BK03 |
| 3/4 | F1680.75 | F1680.75-304 | BK03 |
| 1 | F1681.0 | F1681.0-304 | BK03 |
| 1-1/4 | F1681.25 | F1681.25-304 | BK04 |
| 1-1/2 | F1681.5 | F1681.5-304 | BK04 |
| 2 | F1682.0 | F1682.0-304 | BK04 |
| 2-1/2 | F1682.5 | F1682.5-304 | BK04 |
| 2-1/2 | F1682.5/8 HOLE | F1682.5-304/8 HOLE | BK05 |
| 3 | F1683.0 | F1683.0-304 | BK07 |
| 4 | F1684.0 | F1684.0-304 | BK07 |
| 5 | F1685.0 | F1685.0-304 | BK07 |
| 6 | F1686.0 | F1686.0-304 | BK10 |
| 8 | F1688.0 | F1688.0-304 | BK11 |
| 10 | F16810.0 | F16810.0-304 | BK15 |
| 12 | - | F16812.0-304 | BK15 |

## PN16 Weld Neck Flange

- To EN1092-1 in 316/L
- Schedule 10 and Schedule 40 Rated
- From 1/2" to 12" nominal bore

| Size | Code | | |
|---|---|---|---|
| | SCH10 | SCH40 | Bolt kit |
| 1/2 | F1620.5 | F1620.5/S40 | BK03 |
| 3/4 | F1620.75 | F1620.75/S40 | BK03 |
| 1 | F1621.0 | F1621.0/S40 | BK03 |
| 1-1/4 | F1621.25 | F1621.25/S40 | BK04 |
| 1-1/2 | F1621.5 | F1621.5/S40 | BK04 |
| 2 | F1622.0 | F1622.0/S40 | BK04 |
| 2-1/2 | F1622.5 | F1622.5/S40 | BK04 |
| 2-1/2 | F1622.5/8 HOLE | F1622.5/8 HOLE | BK05 |
| 3 | F1623.0 | F1623.0/S40 | BK07 |
| 4 | F1624.0 | F1624.0/S40 | BK07 |
| 5 | F1625.0 | F1625.0/S40 | BK07 |
| 6 | F1626.0 | F1626.0/S40 | BK10 |

## PN16 BSPP/BSPT/NPT Threaded Flange

- To EN1092-1 in 316/L
- From 1/2" to 4" nominal bore
- BSPT thread to ISO 7/1
- NPT thread to ANSI B2.1
- BSPP female thread to ISO 228/1

| Size | Code | | | |
|---|---|---|---|---|
| | BSPP | BSPT | NPT | Bolt kit |
| 1/2 | F1640.5 | F1640.5 BSPT | F1640.5 NPT | BK03 |
| 3/4 | F1640.75 | F1640.75 BSPT | F1640.75 NPT | BK03 |
| 1 | F1641.0 | F1641.0 BSPT | F1641.0 NPT | BK03 |
| 1-1/4 | F1641.25 | F1641.25 BSPT | F1641.25 NPT | BK04 |
| 1-1/2 | F1641.5 | F1641.5 BSPT | F1641.5 NPT | BK04 |
| 2 | F1642.0 | F1642.0 BSPT | F1642.0 NPT | BK04 |
| 2-1/2 | F1642.5 | F1642.5 BSPT | F1642.5 NPT | BK04 |
| 2-1/2 | F1642.5/8 HOLE | - | - | BK05 |
| 3 | F1643.0 | F1643.0 BSPT | F1643.0 NPT | BK07 |
| 4 | F1644.0 | F1644.0 BSPT | F1644.0 NPT | BK07 |

## PN40 Slip on flange

- To EN1092-1 in 316/L
- From 2" to 6" nominal bore

| Size | Code | |
|---|---|---|
| | 316/L | Bolt Kit |
| 1/2 | As PN16 | - |
| 3/4 | As PN16 | - |
| 1 | As PN16 | - |
| 1-1/4 | As PN16 | - |
| 1-1/2 | As PN16 | - |
| 2 | F4032.0 | BK04 |
| 2-1/2 | F4032.5 | BK07 |
| 3 | F4033.0 | BK07 |
| 4 | F4034.0 | BK10 |
| 5 | F4035.0 | BK14 |
| 6 | F4036.0 | BK14 |

## PN40 Blind Flange

- To EN1092-1 in 316/L
- From 2" to 6" nominal bore

| Size | Code | |
|---|---|---|
| | 316/L | Bolt Kit |
| 1/2 | As PN16 | - |
| 3/4 | As PN16 | - |
| 1 | As PN16 | - |
| 1-1/4 | As PN16 | - |
| 1-1/2 | As PN16 | - |
| 2 | F4082.0 | BK04 |
| 2-1/2 | F4082.5 | BK07 |
| 3 | F4083.0 | BK07 |
| 4 | F4084.0 | BK10 |
| 5 | F4085.0 | BK14 |
| 6 | F4086.0 | BK14 |

## PN40 BSPT Threaded Flange

- To EN1092-1 in 316/L
- From 2" to 4" nominal bore
- BSPT Thread to ISO 7/1

| Size | Code | |
|---|---|---|
| | 316/L | Bolt kit |
| 1/2 | As PN16 | - |
| 3/4 | As PN16 | - |
| 1 | As PN16 | - |
| 1-1/4 | As PN16 | - |
| 1-1/2 | As PN16 | - |
| 2 | F4042.0 BSPT | BK04 |
| 2-1/2 | F4042.5 BSPT | BK07 |
| 3 | F4043.0 BSPT | BK07 |
| 4 | F4044.0 BSPT | BK10 |

## ANSI 150LB Slip on Flange

- To ANSI/ASME B16.5 in 316/L and 304/L
- From 1/2" to 10" nominal bore

| Size | Code | | |
|---|---|---|---|
| | 316/L | 304/L | Bolt kit |
| 1/2 | F150S0.5 | F150S0.5-304 | BK02 |
| 3/4 | F150S0.75 | F150S0.75-304 | BK03 |
| 1 | F150S1.0 | F150S1.0-304 | BK03 |
| 1-1/4 | F150S1.25 | F150S1.25-304 | BK03 |
| 1-1/2 | F150S1.5 | F150S1.5-304 | BK03 |
| 2 | F150S2.0 | F150S2.0-304 | BK04 |
| 2-1/2 | F150S2.5 | F150S2.5-304 | BK06 |
| 3 | F150S3.0 | F150S3.0-304 | BK06 |
| 4 | F150S4.0 | F150S4.0-304 | BK07 |
| 5 | F150S5.0 | F150S5.0-304 | BK10 |
| 6 | F150S6.0 | F150S6.0-304 | BK10 |
| 8 | F150S8.0 | F150S8.0-304 | BK12 |
| 10 | F150S10.0 | F150S10.0-304 | BK13 |

## ANSI 150LB Blind Flange

- To ANSI/ASME B16.5 in 316/L and 304/L
- From 1/2" to 10" nominal bore

| Size | Code | | |
|---|---|---|---|
| | 316/L | 304/L | Bolt kit |
| 1/2 | F150B0.5 | F150B0.5-304 | BK02 |
| 3/4 | F150B0.75 | F150B0.75-304 | BK03 |
| 1 | F150B1.0 | F150B1.0-304 | BK03 |
| 1-1/4 | F150B1.25 | F150B1.25-304 | BK03 |
| 1-1/2 | F150B1.5 | F150B1.5-304 | BK03 |
| 2 | F150B2.0 | F150B2.0-304 | BK04 |
| 2-1/2 | F150B2.5 | F150B2.5-304 | BK06 |
| 3 | F150B3.0 | F150B3.0-304 | BK06 |
| 4 | F150B4.0 | F150B4.0-304 | BK07 |
| 5 | F150B5.0 | F150B5.0-304 | BK10 |
| 6 | F150B6.0 | F150B6.0-304 | BK10 |
| 8 | F150B8.0 | F150B8.0-304 | BK12 |
| 10 | F150B10.0 | F150B10.0-304 | BK13 |

## ANSI 150LB Weld Neck flange

- To ANSI/ASME B16.5 in 316/L
- Schedule 10 and Schedule 40 Rated
- From 1/2" to 6" nominal bore

| Size | Code | | |
|---|---|---|---|
| | SCH10 | SCH40 | Bolt kit |
| 1/2 | F150WN0.5/S10 | F150WN0.5 | BK03 |
| 3/4 | F150WN0.75/S10 | F150WN0.75 | BK06 |
| 1 | F150WN1.0/S10 | F150WN1.0 | BK06 |
| 1-1/4 | F150WN1.25/S10 | F150WN1.25 | BK06 |
| 1-1/2 | F150WN1.5/S10 | F150WN1.5 | BK06 |
| 2 | F150WN2.0/S10 | F150WN2.0 | BK07 |
| 2-1/2 | F150WN2.5/S10 | F150WN2.5 | BK12 |
| 3 | F150WN3.0/S10 | F150WN3.0 | BK12 |
| 4 | F150WN4.0/S10 | F150WN4.0 | BK12 |
| 5 | F150WN5.0/S10 | F150WN5.0 | BK12 |
| 6 | F150WN6.0/S10 | F150WN6.0 | BK09 |

## ANSI 150LB BSPP/BSPT/NPT Threaded Flange

- To ANSI/ASME B16.5 in 316/L
- From 1/2" to 4" Nominal Bore
- BSPT thread to ISO 7/1
- NPT thread to ANSI B2.1
- BSPP female thread to ISO 228/1

| Size | Code | | | |
|---|---|---|---|---|
| | BSPP | BSPT | NPT | Bolt kit |
| 1/2 | F150SP0.5 | F150SP0.5 BSPT | F150SP0.5 NPT | BK02 |
| 3/4 | F150SP0.75 | F150SP0.75 BSPT | F150SP0.75 NPT | BK03 |
| 1 | F150SP1.0 | F150SP1.0 BSPT | F150SP1.0 NPT | BK03 |
| 1-1/4 | F150SP1.25 | F150SP1.25 BSPT | F150SP1.25 NPT | BK03 |
| 1-1/2 | F150SP1.5 | F150SP1.5 BSPT | F150SP1.5 NPT | BK03 |
| 2 | F150SP2.0 | F150SP2.0 BSPT | F150SP2.0 NPT | BK04 |
| 2-1/2 | F150SP2.5 | F150SP2.5 BSPT | F150SP2.5 NPT | BK06 |
| 3 | F150SP3.0 | F150SP3.0 BSPT | F150SP3.0 NPT | BK06 |
| 4 | F150SP4.0 | F150SP4.0 BSPT | F150SP4.0 NPT | BK07 |

## ANSI 300LB Slip on Flange

- To ANSI/ASME B16.5 in 316/L
- From 1/2" to 6" nominal bore

| Size | Code | |
|---|---|---|
| | 316/L | Bolt kit |
| 1/2 | F300S0.5 | BK03 |
| 3/4 | F300S0.75 | BK06 |
| 1 | F300S1.0 | BK06 |
| 1-1/4 | F300S1.25 | BK06 |
| 1-1/2 | F300S1.5 | BK06 |
| 2 | F300S2.0 | BK07 |
| 2-1/2 | F300S2.5 | BK12 |
| 3 | F300S3.0 | BK12 |
| 4 | F300S4.0 | BK12 |
| 5 | F300S5.0 | BK12 |
| 6 | F300S6.0 | BK09 |

## ANSI 300LB Blind Flange

- To EN1092-1 in 316/L
- From 2" to 6" nominal bore

| Size | Code | |
|---|---|---|
| | 316/L | Bolt kit |
| 1/2 | F300B0.5 | BK03 |
| 3/4 | F300B0.75 | BK06 |
| 1 | F300B1.0 | BK06 |
| 1-1/4 | F300B1.25 | BK06 |
| 1-1/2 | F300B1.5 | BK06 |
| 2 | F300B2.0 | BK07 |
| 2-1/2 | F300B2.5 | BK12 |
| 3 | F300B3.0 | BK12 |
| 4 | F300B4.0 | BK12 |
| 5 | F300B5.0 | BK12 |
| 6 | F300B6.0 | BK09 |

## ANSI 300LB BSPT Threaded Flange

- To ANSI/ASME B16.5 in 316/L
- From 1/2" to 4" nominal bore
- BSPT thread to ISO 7/1

| Size | Code | |
|---|---|---|
| | BST | Bolt Kit |
| 1/2 | F300SP0.5 BSPT | BK03 |
| 3/4 | F300SP0.75 BSPT | BK06 |
| 1 | F300SP1.0 BSPT | BK06 |
| 1-1/4 | F300SP1.25 BSPT | BK06 |
| 1-1/2 | F300SP1.5 BSPT | BK06 |
| 2 | F300SP2.0 BSPT | BK07 |
| 2-1/2 | F300SP2.5 BSPT | BK12 |
| 3 | F300SP3.0 BSPT | BK12 |
| 4 | F300SP4.0 BSPT | BK12 |

## Table E Slip on Flange

- To ASTM A182 in 316/L
- From 1/2" to 8" nominal bore
- Made to BS10

| Size | Code | |
|---|---|---|
| | 316/L | Bolt Kit |
| 1/2 | FES0.5 | BK02 |
| 3/4 | FES0.75 | BK02 |
| 1 | FES1.0 | BK02 |
| 1-1/4 | FES1.25 | BK02 |
| 1-1/2 | FES1.5 | BK02 |
| 2 | FES2.0 | BK04 |
| 2-1/2 | FES2.5 | BK04 |
| 3 | FES3.0 | BK04 |
| 4 | FES4.0 | BK05 |
| 5 | FES5.0 | BK05 |
| 6 | FES6.0 | BK10 |
| 8 | FES8.0 | BK10 |

## Table E Blind Flange

- To ASTM A182 in 316/L
- From 1/2" to 8" nominal bore
- Made to BS10

| Size | Code | |
|---|---|---|
| | 316/L | Bolt Kit |
| 1/2 | FEB0.5 | BK02 |
| 3/4 | FEB0.75 | BK02 |
| 1 | FEB1.0 | BK02 |
| 1-1/4 | FEB1.25 | BK02 |
| 1-1/2 | FEB1.5 | BK02 |
| 2 | FEB2.0 | BK04 |
| 2-1/2 | FEB2.5 | BK04 |
| 3 | FEB3.0 | BK04 |
| 4 | FEB4.0 | BK05 |
| 5 | FEB5.0 | BK05 |
| 6 | FEB6.0 | BK10 |
| 8 | FEB8.0 | BK10 |

## Table E BSPP Threaded Flange

- To ASTM A182 in 316/L
- From 1/2" to 4" nominal bore
- BSPP female thread to ISO 228/1
- Made to BS10

| Size | Code | |
|---|---|---|
| | 316/L | Bolt Kit |
| 1/2 | FESP0.5 | BK02 |
| 3/4 | FESP0.75 | BK02 |
| 1 | FESP1.0 | BK02 |
| 1-1/4 | FESP1.25 | BK02 |
| 1-1/2 | FESP1.5 | BK02 |
| 2 | FESP2.0 | BK04 |
| 2-1/2 | FESP2.5 | BK04 |
| 3 | FESP3.0 | BK04 |
| 4 | FESP4.0 | BK05 |

## PN16 Backing Flange

- Reduced thickness in 304/L
- From 1/2" to 8" nominal bore

| Size | Code | |
|---|---|---|
| | 304/L | Bolt Kit |
| 1/2 | BF1630.5-304 | BK03 |
| 3/4 | BF1630.75-304 | BK03 |
| 1 | BF1631.0-304 | BK03 |
| 1-1/4 | BF1631.25-304 | BK04 |
| 1-1/2 | BF1631.5-304 | BK04 |
| 2 | BF1632.0-304 | BK04 |
| 2-1/2 | BF1632.5-304 | BK04 |
| 3 | BF1633.0-304 | BK05 |
| 4 | BF1634.0-304 | BK07 |
| 5 | BF1635.0-304 | BK07 |
| 6 | BF1636.0-304 | BK07 |
| 8 | BF1638.0-304 | BK10 |

## PN16 Backing Flange (Mild steel Zinc Plated)

- Reduced thickness With Zinc plating
- From 1" to 8" nominal bore

| Size | Code | |
|---|---|---|
| | 304/L | Bolt Kit |
| 1 | BRZP161.0 | BK03 |
| 1-1/4 | BRZP161.25 | BK04 |
| 1-1/2 | BRZP161.5 | BK04 |
| 2 | BRZP162.0 | BK04 |
| 2-1/2 | BRZP162.5 | BK04 |
| 3 | BRZP163.0 | BK05 |
| 4 | BRZP164.0 | BK07 |
| 5 | BRZP165.0 | BK07 |
| 6 | BRZP166.0 | BK07 |
| 8 | BRZP168.0 | BK10 |

## EPDM Gasket

- Full Face 3mm thick
- EPDM (Nitrile)

| Size | Code | | | | | |
|---|---|---|---|---|---|---|
| | PN6 | PN16 | PN40 | 150LB | 300LB | Table E |
| 1/2 | GE0.56FF3 | GE0.516FF3 | - | GE0.5150FF3 | GE0.5300FF3 | GE0.5EFF3 |
| 3/4 | GE0.756FF3 | GE0.7516FF3 | - | GE0.75150FF3 | GE0.75300FF3 | GE0.75EFF3 |
| 1 | GE1.06FF3 | GE1.016FF3 | - | GE1.0150FF3 | GE1.0300FF3 | GE1.0EFF3 |
| 1-1/4 | GE1.256FF3 | GE1.2516FF3 | - | GE1.25150FF3 | GE1.25300FF3 | GE1.25EFF3 |
| 1-1/2 | GE1.56FF3 | GE1.516FF3 | - | GE1.5150FF3 | GE1.5300FF3 | GE1.5EFF3 |
| 2 | GE2.06FF3 | GE2.016FF3 | - | GE2.0150FF3 | GE2.0300FF3 | GE2.0EFF3 |
| 2-1/2 | GE2.56FF3 | GE2.516FF3 | - | GE2.5150FF3 | GE2.5300FF3 | GE2.5EFF3 |
| 3 | GE3.06FF3 | GE3.016FF3 | - | GE3.0150FF3 | GE3.0300FF3 | GE3.0EFF3 |
| 4 | GE4.06FF3 | GE4.016FF3 | GE4.040FF3 | GE4.0150FF3 | GE4.0300FF3 | GE4.0EFF3 |
| 5 | GE5.06FF3 | GE5.016FF3 | GE5.040FF3 | GE5.0150FF3 | GE5.0300FF3 | GE5.0EFF3 |
| 6 | GE6.06FF3 | GE6.016FF3 | GE6.040FF3 | GE6.0150FF3 | GE6.0300FF3 | GE6.0EFF3 |
| 8 | - | GE8.016FF3 | - | GE8.0150FF3 | - | GE8.0EFF3 |
| 10 | - | GE10.016FF3 | - | GE10.0150FF3 | - | - |
| 12 | - | GE12.016FF3 | - | - | - | - |

## Non-Asbestos Gasket

- Full Face 3mm thick
- PG-O material
- Suitable for steam, oils, fuels and hydrocarbons

| Size | Code | | | | | |
|---|---|---|---|---|---|---|
| | PN6 | PN16 | PN40 | 150LB | 300LB | Table E |
| 1/2 | GN0.56FF3 | GN0.516FF3 | - | GN0.5150FF3 | GN0.5300FF3 | GN0.5EFF3 |
| 3/4 | GN0.756FF3 | GN0.7516FF3 | - | GN0.75150FF3 | GN0.75300FF3 | GN0.75EFF3 |
| 1 | GN1.06FF3 | GN1.016FF3 | - | GN1.0150FF3 | GN1.0300FF3 | GN1.0EFF3 |
| 1-1/4 | GN1.256FF3 | GN1.2516FF3 | - | GN1.25150FF3 | GN1.25300FF3 | GN1.25EFF3 |
| 1-1/2 | GN1.56FF3 | GN1.516FF3 | - | GN1.5150FF3 | GN1.5300FF3 | GN1.5EFF3 |
| 2 | GN2.06FF3 | GN2.016FF3 | - | GN2.0150FF3 | GN2.0300FF3 | GN2.0EFF3 |
| 2-1/2 | GN2.56FF3 | GN2.516FF3 | - | GN2.5150FF3 | GN2.5300FF3 | GN2.5EFF3 |
| 3 | GN3.06FF3 | GN3.016FF3 | - | GN3.0150FF3 | GN3.0300FF3 | GN3.0EFF3 |
| 4 | GN4.06FF3 | GN4.016FF3 | GN4.040FF3 | GN4.0150FF3 | GN4.0300FF3 | GN4.0EFF3 |
| 5 | GN5.06FF3 | GN5.016FF3 | GN5.040FF3 | GN5.0150FF3 | GN5.0300FF3 | GN5.0EFF3 |
| 6 | GN6.06FF3 | GN6.016FF3 | GN6.040FF3 | GN6.0150FF3 | GN6.0300FF3 | GN6.0EFF3 |
| 8 | - | GN8.016FF3 | - | GN8.0150FF3 | - | GN8.0EFF3 |
| 10 | - | GN10.016FF3 | - | GN10.0150FF3 | - | - |
| 12 | - | GN12.016FF3 | - | - | - | - |

## Flange Bolt Kits

- A4 Stainless steel (316)
- Complete with 2 washers and hexagon nut

| Code | Thread | Length | Quantity |
|---|---|---|---|
| BK01 | M10 | 40mm | 4 |
| BK02 | M12 | 40mm | 4 |
| BK03 | M12 | 55mm | 4 |
| BK04 | M16 | 60mm | 4 |
| BK05 | M16 | 60mm | 8 |
| BK06 | M16 | 75mm | 4 |
| BK07 | M16 | 75mm | 8 |
| BK08 | M20 | 110mm | 8 |
| BK09 | M20 | 110mm | 12 |
| BK10 | M20 | 75mm | 8 |
| BK11 | M20 | 75mm | 12 |
| BK12 | M20 | 100mm | 8 |
| BK13 | M22 | 100mm | 12 |
| BK14 | M24 | 90mm | 8 |
| BK15 | M24 | 90mm | 12 |

SECTION 8

# PIPE AND CLAMPS

/08

NERO's range of welded pipe is to ASTM A312/ANSI B36.19 and is available in 316/304/L material and Schedule 10 and 40 thickness. We keep all sizes in full random lengths (6 metres) and sell by the metre, this enables us to supply lengths as short as 1 metre long. We can also offer an accurate cutting service on any of our pipes to a tolerance of +/- 1mm.

| Maximum working pressure | | |
|---|---|---|
| Size | SCH10 | SCH40 |
| 1/8 | - | 6288 |
| 1/4 | - | 6106 |
| 3/8 | - | 5038 |
| 1/2 | 3698 | 4855 |
| 3/4 | 2959 | 4025 |
| 1 | 3102 | 3785 |
| 1-1/4 | 2457 | 3158 |
| 1-1/2 | 2147 | 2852 |
| 2 | 1717 | 2424 |
| 2-1/2 | 1562 | 2643 |
| 3 | 1283 | 2310 |
| 4 | 998 | 1970 |
| 5 | 900 | 1734 |
| 6 | 756 | 1580 |
| 8 | 642 | 1396 |
| 10 | 574 | 1270 |
| 12 | 527 | 1100 |

| Pipe Size | OD | SCH10 Thickness | SCH40 Thickness |
|---|---|---|---|
| 1/8 | 10.29 | - | 1.73 |
| 1/4 | 13.72 | - | 2.24 |
| 3/8 | 17.15 | - | 2.31 |
| 1/2 | 21.34 | 2.11 | 2.77 |
| 3/4 | 26.67 | 2.11 | 2.87 |
| 1 | 33.40 | 2.77 | 3.38 |
| 1-1/4 | 42.16 | 2.77 | 3.56 |
| 1-1/2 | 48.26 | 2.77 | 3.68 |
| 2 | 60.33 | 2.77 | 3.91 |
| 2-1/2 | 73.03 | 3.05 | 5.16 |
| 3 | 88.90 | 3.05 | 5.49 |
| 4 | 114.30 | 3.05 | 6.02 |
| 5 | 141.30 | 3.40 | 6.55 |
| 6 | 168.28 | 3.40 | 7.11 |
| 8 | 219.08 | 3.76 | 8.18 |
| 10 | 273.05 | 4.19 | 9.27 |
| 12 | 323.85 | 4.57 | 9.53 |

*All sizes are in mm

## Schedule 10 Nominal Bore Welded Pipe

- Available in 316/L and 304/L
- To ASTM A312
- Stocked in 6 metre lengths
- Minimum order quantity of 1 metre

| Size | Code | |
|---|---|---|
| | 316/L | 304/L |
| 1/2 | 0.5S10316W | 0.5S10304W |
| 3/4 | 0.75S10316W | 0.75S10304W |
| 1 | 1.0S10316W | 1.0S10304W |
| 1-1/4 | 1.25S10316W | 1.25S10304W |
| 1-1/2 | 1.5S10316W | 1.5S10304W |
| 2 | 2.0S10316W | 2.0S10304W |
| 2-1/2 | 2.5S10316W | 2.5S10304W |
| 3 | 3.0S10316W | 3.0S10304W |
| 4 | 4.0S10316W | 4.0S10304W |
| 5 | 5.0S10316W | 5.0S10304W |
| 6 | 6.0S10316W | 6.0S10304W |
| 8 | 8.0S10316W | 8.0S10304W |
| 10 | 10.0S10316W | 10.0S10304W |
| 12 | - | 12.0S10304W |

## Schedule 40 Nominal Bore Welded Pipe

- Available in 316/L and 304/L
- To ASTM A312
- Stocked in 6 metre lengths
- Minimum order quantity of 1 metre

| Size | Code | |
|---|---|---|
| | 316/L | 304/L |
| 1/8 | 0.125S40316W | - |
| 1/4 | 0.25S40316W | - |
| 3/8 | 0.375S40316W | - |
| 1/2 | 0.5S40316W | 0.5S40304W |
| 3/4 | 0.75S40316W | 0.75S40304W |
| 1 | 1.0S40316W | 1.0S40304W |
| 1-1/4 | 1.25S40316W | 1.25S40304W |
| 1-1/2 | 1.5S40316W | 1.5S40304W |
| 2 | 2.0S40316W | 2.0S40304W |
| 2-1/2 | 2.5S40316W | 2.5S40304W |
| 3 | 3.0S40316W | 3.0S40304W |
| 4 | 4.0S40316W | 4.0S40304W |
| 5 | 5.0S40316W | 5.0S40304W |
| 6 | 6.0S40316W | 6.0S40304W |
| 8 | 8.0S40316W | 8.0S40304W |
| 10 | - | 10.0S40304W |

## Seamless nominal bore pipe

- Schedule 40 and Schedule 80
- Available in 316/L
- To ASTM A312
- Stocked in 6 metre lengths
- Minimum order quantity of 1 metre

| Size | Code | |
|---|---|---|
| | Schedule 40 | Schedule 80 |
| 1/8 | 0.125S40316SMLS | - |
| 1/4 | 0.25S40316SMLS | 0.25S80316SMLS |
| 3/8 | 0.375S40316SMLS | 0.375S80316SMLS |
| 1/2 | 0.5S40316SMLS | 0.5S80316SMLS |
| 3/4 | 0.75S40316SMLS | 0.75S80316SMLS |
| 1 | 1.0S40316SMLS | 1.0S80316SMLS |
| 1-1/4 | 1.25S40316SMLS | 1.25S80316SMLS |
| 1-1/2 | 1.5S40316SMLS | 1.5S80316SMLS |
| 2 | 2.0S40316SMLS | 2.0S80316SMLS |

## U-Bolt

- To suit nominal bore pipe
- Made from 316 Stainless Steel
- Complete with two lock nuts

| Size | Code | Thread size |
|---|---|---|
| 1/4 | UB0.25 | M6 |
| 3/8 | UB0.375 | M6 |
| 1/2 | UB0.5 | M6 |
| 3/4 | UB0.75 | M6 |
| 1 | UB1.0 | M6 |
| 1-1/4 | UB1.25 | M6 |
| 1-1/2 | UB1.5 | M10 |
| 2 | UB2.0 | M10 |
| 2-1/2 | UB2.5 | M10 |
| 3 | UB3.0 | M10 |
| 4 | UB4.0 | M12 |
| 5 | UB5.0 | M12 |
| 6 | UB6.0 | M12 |
| 8 | UB8.0 | M12 |

## Saddle Pipe Clip

- To suit Nominal Bore Sizes
- Made from 304 Stainless Steel

| Size | Code |
|---|---|
| 1/4 | SPC0.25 |
| 3/8 | SPC0.375 |
| 1/2 | SPC0.5 |
| 3/4 | SPC0.75 |
| 1 | SPC1.0 |
| 1-1/4 | SPC1.25 |
| 1-1/2 | SPC1.5 |
| 2 | SPC2.0 |
| 2-1/2 | SPC2.5 |
| 3 | SPC3.0 |
| 4 | SPC4.0 |
| 5 | SPC5.0 |
| 6 | SPC6.0 |

## Bossed Pipe Ring

- Made from 304 Stainless Steel
- Complete with bolts and metric threaded boss

| Size | Code | Boss Size |
|---|---|---|
| 1/8 | BPR0.125 | M10 |
| | BPR0.125/M6 | M6 |
| 1/4 | BPR0.25 | M10 |
| | BPR0.25/M6 | M6 |
| 3/8 | BPR0.375 | M10 |
| 1/2 | BPR0.5 | M10 |
| 3/4 | BPR0.75 | M10 |
| 1 | BPR1.0 | M10 |
| 1-1/4 | BPR1.25 | M10 |
| 1-1/2 | BPR1.5 | M10 |
| 2 | BPR2.0 | M10 |
| 2-1/2 | BPR2.5 | M10 |
| 3 | BPR3.0 | M10 |
| 4 | BPR4.0 | M10 |
| 5 | BPR5.0 | M10 |
| 6 | BPR6.0 | M10 |
| 8 | BPR8.0 | M12 |
| 10 | BPR10.0 | M12 |

## Backplate With Boss

- Made from 304 Stainless Steel

| Size | Code |
|---|---|
| M6 | BPM6 |
| M10 | BPM10 |

## Threaded Rod

- Made from 304 Stainless Steel

| Size | Code |
|---|---|
| M6 | TRM6 |
| M8 | TRM8 |
| M10 | TRM10 |
| M12 | TRM12 |
| M16 | TRM16 |

## Hexagon Nut

- Made from 304 Stainless Steel

| Size | Code |
|---|---|
| M6 | LNM6 |
| M8 | LNM8 |
| M10 | LNM10 |
| M12 | LNM12 |
| M16 | LNM16 |

SECTION 9

# VALVES

/09

Nero stocks a wide range of stainless steel valves to suit many applications. For more in-depth technical information visit www.nero.co.uk where you can view and download technical data sheets for every item.

## 1 Piece Reduced Bore Ball Valve

- 1000 PSI rated
- 1/4 turn lockable handle
- Available threaded BSPP and NPT
- BSPP female threads to ISO 228/1
- NPT female threads to ANSI B2.1

| Size | Code | |
|---|---|---|
| | BSPP | NPT |
| 1/4 | RBV04 | RBV04N |
| 3/8 | RBV06 | RBV06N |
| 1/2 | RBV08 | RBV08N |
| 3/4 | RBV12 | RBV12N |
| 1 | RBV16 | RBV16N |
| 1-1/4 | RBV20 | RBV20N |
| 1-1/2 | RBV24 | RBV24N |
| 2 | RBV32 | RBV32N |

## 2 Piece Full Bore Ball Valve

- 1000 PSI rated
- 1/4 Turn lockable handle
- Available threaded BSPP and NPT
- BSPP female threads to ISO 228/1
- NPT female threads to ANSI B2.1

| Size | Code | |
|---|---|---|
| | BSPP | NPT |
| 1/4 | FBV04 | FBV04N |
| 3/8 | FBV06 | FBV06N |
| 1/2 | FBV08 | FBV08N |
| 3/4 | FBV12 | FBV12N |
| 1 | FBV16 | FBV16N |
| 1-1/4 | FBV20 | FBV20N |
| 1-1/2 | FBV24 | FBV24N |
| 2 | FBV32 | FBV32N |
| 2-1/2 | FBV40 | FBV40N |
| 3 | FBV48 | FBV48N |
| 4 | FBV64 | FBV64N |

## 3 Piece Full Bore Ball Valve

- 1000 PSI rated
- 1/4 Turn lockable handle
- Available threaded BSPP, NPT, butt weld and socket weld
- BSPP female threads to ISO 228/1
- NPT female threads to ANSI B2.1

| Size | Code | | | |
|---|---|---|---|---|
| | BSPP | NPT | Butt weld | Socket weld |
| 1/4 | FBVX04 | FBVX04N | FBVX04BW | FBVX04SW |
| 3/8 | FBVX06 | FBVX06N | FBVX06BW | FBVX06SW |
| 1/2 | FBVX08 | FBVX08N | FBVX08BW | FBVX08SW |
| 3/4 | FBVX12 | FBVX12N | FBVX12BW | FBVX12SW |
| 1 | FBVX16 | FBVX16N | FBVX16BW | FBVX16SW |
| 1-1/4 | FBVX20 | FBVX20N | FBVX20BW | FBVX20SW |
| 1-1/2 | FBVX24 | FBVX24N | FBVX24BW | FBVX24SW |
| 2 | FBVX32 | FBVX32N | FBVX32BW | FBVX32SW |
| 2-1/2 | FBVX40 | FBVX40N | FBVX40BW | FBVX40SW |
| 3 | FBVX48 | FBVX48N | FBVX48BW | FBVX48SW |
| 4 | FBVX64 | FBVX64N | FBVX64BW | FBVX64SW |

## 2000 PSI 2 Piece Full Bore Ball Valve

- 2000 PSI rated
- 1/4 turn lockable handle
- BSPP female threads to ISO 228/1

| Size | Code |
|---|---|
| 1/4 | 2FBV04 |
| 3/8 | 2FBV06 |
| 1/2 | 2FBV08 |
| 3/4 | 2FBV12 |
| 1 | 2FBV16 |
| 1-1/4 | 2FBV20 |
| 1-1/2 | 2FBV24 |
| 2 | 2FBV32 |

## Male/Female Reduced Bore Ball Valve

- 1000 PSI rated
- 1/4 Turn lockable handle
- Male BSPT threads to ISO 7/1
- Female BSPP threads to ISO 228/1

| Size | Code |
|---|---|
| 1/4 | MFRBV04 |
| 3/8 | MFRBV06 |
| 1/2 | MFRBV08 |
| 3/4 | MFRBV12 |
| 1 | MFRBV16 |

## 6000 PSI Reduced Bore Ball Valve

- 6000 PSI rated
- 1/4 Turn lockable handle
- Available threaded BSPP and NPT
- BSPP threads to ISO 228/1
- NPT threads to ANSI B2.1

| Size | Code | |
|---|---|---|
| | BSPP | NPT |
| 1/4 | 6RBV04 | 6RBV04N |
| 3/8 | 6RBV06 | 6RBV06N |
| 1/2 | 6RBV08 | 6RBV08N |
| 3/4 | 6RBV12 | 6RBV12N |
| 1 | 6RBV16 | 6RBV16N |

## 6000 PSI Reduced Bore Ball Valve Panel Mount

- 6000 PSI rated
- 1/4 Turn plastic handle
- BSPP female threads to ISO 228/1

| Size | Code |
|---|---|
| | BSPP |
| 1/4 | 6RBV04/PM |
| 3/8 | 6RBV06/PM |
| 1/2 | 6RBV08/PM |

## Spring Return Ball Valve

- 1000 PSI rated
- Available threaded BSPP
- BSPP threads to ISO 228/1

| Size | Code |
|---|---|
| 1/4 | DMFBV04 |
| 3/8 | DMFBV06 |
| 1/2 | DMFBV08 |
| 3/4 | DMFBV12 |
| 1 | DMFBV16 |
| 1-1/4 | DMFBV20 |
| 1-1/2 | DMFBV24 |
| 2 | DMFBV32 |

## Flanged Ball Valve

- 1/4 Turn lockable handle
- Available with PN16 and ANSI 150LB flanged ends
- PN16 flanges to EN1092-1
- ANSI 150LB flanges to ANSI/ASME B16.5

| Size | Code | |
|---|---|---|
| | PN16 | ANSI 150LB |
| 1/2 | FLBV1608 | FLBV15008 |
| 3/4 | FLBV1612 | FLBV15012 |
| 1 | FLBV1616 | FLBV15016 |
| 1-1/4 | FLBV1620 | FLBV15020 |
| 1-1/2 | FLBV1624 | FLBV15024 |
| 2 | FLBV1632 | FLBV15032 |
| 2-1/2 | FLBV1640 | FLBV15040 |
| 3 | FLBV1648 | FLBV15048 |
| 4 | FLBV1664 | FLBV15064 |
| 6 | FLBV1696 | FLBV15096 |

## Mini Ball Valve

- 1000 PSI Rated
- Available female and male/female
- BSPP threads to ISO 228/1
- ANSI 150LB flanges to ANSI/ASME B16.5

| Size | Code | |
|---|---|---|
| | Female | Male/Female |
| 1/4 | MINI/RBV04 | MINI/MFRBV04 |
| 3/8 | MINI/RBV06 | MINI/MFRBV06 |
| 1/2 | MINI/RBV08 | MINI/MFRBV08 |
| 3/4 | MINI/RBV12 | MINI/MFRBV12 |
| 1 | MINI/RBV16 | MINI/MFRBV16 |

## 3-Way Ball Valve (L and T port)

- 1000 PSI rated
- 1/4 turn lockable handle
- BSPP female threads to ISO 228/1

| Size | Code | |
|---|---|---|
| | L-Port | T-Port |
| 1/4 | RBVL04 | RBVT04 |
| 3/8 | RBVL06 | RBVT06 |
| 1/2 | RBVL08 | RBVT08 |
| 3/4 | RBVL12 | RBVT12 |
| 1 | RBVL16 | RBVT16 |
| 1-1/4 | RBVL20 | RBVT20 |
| 1-1/2 | RBVL24 | RBVT24 |
| 2 | RBVL32 | RBVT32 |

## Gate Valve

- 200 PSI rated
- Red cast iron handle
- Available threaded BSPP and NPT
- BSPP female threads to ISO 228/1
- NPT female threads to ANSI B2.1

| Size | Code | |
|---|---|---|
| | BSPP | NPT |
| 3/8 | GV06 | GV06N |
| 1/2 | GV08 | GV08N |
| 3/4 | GV12 | GV12N |
| 1 | GV16 | GV16N |
| 1-1/4 | GV20 | GV20N |
| 1-1/2 | GV24 | GV24N |
| 2 | GV32 | GV32N |
| 2-1/2 | GV40 | - |
| 3 | GV48 | - |

## Globe Valve

- 200 PSI rated
- Red Cast iron handle
- Available threaded BSPP and NPT
- BSPP female threads to ISO 228/1
- NPT female threads to ANSI B2.1

| Size | Code | |
|---|---|---|
| | BSPP | NPT |
| 1/4 | GLV04 | GLV04N |
| 3/8 | GLV06 | GLV06N |
| 1/2 | GLV08 | GLV08N |
| 3/4 | GLV12 | GLV12N |
| 1 | GLV16 | GLV16N |
| 1-1/4 | GLV20 | GLV20N |
| 1-1/2 | GLV24 | GLV24N |
| 2 | GLV32 | GLV32N |

## Needle Valve

- 6000 PSI rated
- Available threaded BSPP and NPT
- BSPP female threads to ISO 228/1
- NPT female threads to ANSI B2.1

| Size | Code | |
|---|---|---|
| | BSPP | NPT |
| 1/4 | NV04 | NV04N |
| 3/8 | NV06 | NV06N |
| 1/2 | NV08 | NV08N |
| 3/4 | NV12 | NV12N |
| 1 | NV16 | NV16N |

## Check Valve - Medium Pressure

- 20-35 BAR rated
- Made from 304 Stainless steel
- Available threaded BSPP
- BSPP female threads to ISO 228/1

| Size | Code |
|---|---|
| 1/4 | CRO04 |
| 3/8 | CRO06 |
| 1/2 | CRO08 |
| 3/4 | CRO12 |
| 1 | CRO16 |
| 1-1/4 | CRO20 |
| 1-1/2 | CRO24 |
| 2 | CRO32 |
| 2-1/2 | CRO40 |
| 3 | CRO48 |
| 4 | CRO64 |

## Swing Check Valve

- 200 PSI rated
- Available threaded BSPP and NPT
- BSPP female threads to ISO 228/1
- NPT female threads to ANSI B2.1

| Size | Code | |
|---|---|---|
| | BSPP | NPT |
| 1/4 | SCV04 | SCV04N |
| 3/8 | SCV06 | SCV06N |
| 1/2 | SCV08 | SCV08N |
| 3/4 | SCV12 | SCV12N |
| 1 | SCV16 | SCV16N |
| 1-1/4 | SCV20 | SCV20N |
| 1-1/2 | SCV24 | SCV24N |
| 2 | SCV32 | SCV32N |
| 2-1/2 | SCV40 | - |
| 3 | SCV48 | - |

## Piston Check Valve

- 6000 PSI rated
- Available threaded BSPP and NPT
- BSPP threads to ISO 228/1
- NPT threads to ANSI B2.1

| Size | Code | |
|---|---|---|
| | BSPP | NPT |
| 1/4 | PCV04 | PCV04N |
| 3/8 | PCV06 | PCV06N |
| 1/2 | PCV08 | PCV08N |
| 3/4 | PCV12 | PCV12N |
| 1 | PCV16 | PCV16N |

## Wafer Pattern Check Valve

Suitable for use with :

- PN6, 10, 16 and 40
- ANSI 150, 300 and Table E

| Size | Code |
|---|---|
| 1/2 | WDCV08 |
| 3/4 | WDCV12 |
| 1 | WDCV16 |
| 1-1/4 | WDCV20 |
| 1-1/2 | WDCV24 |
| 2 | WDCV32 |
| 2-1/2 | WDCV40 |
| 3 | WDCV48 |
| 4 | WDCV64 |

## Y-Strainer

- 800 PSI rated
- Fitted with 1mm perforated screen
- Available threaded BSPP and NPT
- BSPP female threads to ISO 228/1
- NPT female threads to ANSI B2.1

| Size | Code | |
|---|---|---|
| | BSPP | NPT |
| 1/4 | YS04 | YS04N |
| 3/8 | YS06 | YS06N |
| 1/2 | YS08 | YS08N |
| 3/4 | YS12 | YS12N |
| 1 | YS16 | YS16N |
| 1-1/4 | YS20 | YS20N |
| 1-1/2 | YS24 | YS24N |
| 2 | YS32 | YS32N |
| 2-1/2 | YS40 | - |
| 3 | YS48 | - |

SECTION 10

# SINGLE FERRULE COMPRESSION FITTINGS

/10

Nero's range of Single ferrule compression fittings are made from 316 Ti (1.4571) stainless steel and conform to ISO 8434-1/Din 2353. Most fittings are available in LL (extra light), L (light) and S (heavy) series, nominal pressure ratings are shown by each fitting.

## Nut

- Compression nut made to ISO 8434
- from 4mm to 42mm
- Metric threaded to suit fitting body

| Size | Series | Code | Thread | Max Pressure (Bar) |
|---|---|---|---|---|
| 4mm | LL | N04LL | M8X1 | 100 |
| 6mm | LL | N06LL | M10X1 | 100 |
| 6mm | L | N06L | M12X1.5 | 500 |
| 6mm | S | N06S | M14X1.5 | 800 |
| 8mm | LL | N08LL | M12X1 | 100 |
| 8mm | L | N08L | M14X1.5 | 500 |
| 8mm | S | N08S | M16X1.5 | 800 |
| 10mm | L | N10L | M16X1.5 | 500 |
| 10mm | S | N10S | M18X1.5 | 800 |
| 12mm | L | N12L | M18X1.5 | 400 |
| 12mm | S | N12S | M20X1.5 | 630 |
| 14mm | S | N14S | M22X1.5 | 630 |
| 15mm | L | N15L | M22X1.5 | 400 |
| 16mm | S | N16S | M24X1.5 | 630 |
| 18mm | L | N18L | M26X1.5 | 400 |

| Size | Series | Code | Thread | Max Pressure (Bar) |
|---|---|---|---|---|
| 20mm | S | N20S | M30X2 | 420 |
| 22mm | L | N22L | M30X2 | 250 |
| 25mm | S | N25S | M36X2 | 420 |
| 28mm | L | N28L | M36X2 | 250 |
| 30mm | S | N30S | M42X2 | 420 |
| 35mm | L | N35L | M45X2 | 250 |
| 38mm | S | N38S | M52X2 | 420 |
| 42mm | L | N42L | M52X2 | 250 |

## Cutting Ring (ferrule)

- Made to DIN 3861
- Dull finish from hardening process
- Stainless steel 1.4571

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 4mm | LL | CR04LL | 100 |
| 6mm | L/S | CR06LS | 800 |
| 8mm | L/S | CR08LS | 800 |
| 10mm | L/S | CR10LS | 800 |
| 12mm | L/S | CR12LS | 630 |
| 14mm | S | CR14S | 630 |
| 15mm | L | CR15L | 400 |
| 16mm | S | CR16S | 630 |
| 18mm | L | CR18L | 400 |
| 20mm | S | CR20S | 420 |
| 22mm | L | CR22L | 250 |
| 25mm | S | CR25S | 420 |
| 28mm | L | CR28L | 250 |
| 30mm | S | CR30S | 420 |
| 35mm | L | CR35L | 250 |
| 38mm | S | CR38S | 420 |
| 42mm | L | CR42L | 250 |

## Equal Coupling

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 4-42mm

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 4mm | LL | SC04LL | 100 |
| 6mm | LL | SC06LL | 100 |
| 6mm | L | SC06L | 500 |
| 6mm | S | SC06S | 800 |
| 8mm | LL | SC08LL | 100 |
| 8mm | L | SC08L | 500 |
| 8mm | S | SC08S | 800 |
| 10mm | L | SC10L | 500 |
| 10mm | S | SC10S | 800 |
| 12mm | L | SC12L | 400 |
| 12mm | S | SC12S | 630 |
| 14mm | S | SC14S | 630 |
| 15mm | L | SC15L | 400 |
| 16mm | S | SC16S | 630 |
| 18mm | L | SC18L | 400 |
| 20mm | S | SC20S | 420 |

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 22mm | L | SC22L | 250 |
| 25mm | S | SC25S | 420 |
| 28mm | L | SC28L | 250 |
| 30mm | S | SC30S | 420 |
| 35mm | L | SC35L | 250 |
| 38mm | S | SC38S | 420 |
| 42mm | L | SC42L | 250 |

## Equal Elbow

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 4-42mm

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 4mm | LL | EE04LL | 100 |
| 6mm | LL | EE06LL | 100 |
| 6mm | L | EE06L | 500 |
| 6mm | S | EE06S | 800 |
| 8mm | LL | EE08LL | 100 |
| 8mm | L | EE08L | 500 |
| 8mm | S | EE08S | 800 |
| 10mm | L | EE10L | 500 |
| 10mm | S | EE10S | 800 |
| 12mm | L | EE12L | 400 |
| 12mm | S | EE12S | 630 |
| 14mm | S | EE14S | 630 |
| 15mm | L | EE15L | 400 |
| 16mm | S | EE16S | 630 |
| 18mm | L | EE18L | 400 |
| 20mm | S | EE20S | 420 |

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 22mm | L | EE22L | 250 |
| 25mm | S | EE25S | 420 |
| 28mm | L | EE28L | 250 |
| 30mm | S | EE30S | 420 |
| 35mm | L | EE35L | 250 |
| 38mm | S | EE38S | 420 |
| 42mm | L | EE42L | 250 |

## Equal Tee

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 4-42mm

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 4mm | LL | ET04LL | 100 |
| 6mm | LL | ET06LL | 100 |
| 6mm | L | ET06L | 500 |
| 6mm | S | ET06S | 800 |
| 8mm | LL | ET08LL | 100 |
| 8mm | L | ET08L | 500 |
| 8mm | S | ET08S | 800 |
| 10mm | L | ET10L | 500 |
| 10mm | S | ET10S | 800 |
| 12mm | L | ET12L | 400 |
| 12mm | S | ET12S | 630 |
| 14mm | S | ET14S | 630 |
| 15mm | L | ET15L | 400 |
| 16mm | S | ET16S | 630 |
| 18mm | L | ET18L | 400 |
| 20mm | S | ET20S | 420 |

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 22mm | L | ET22L | 250 |
| 25mm | S | ET25S | 420 |
| 28mm | L | ET28L | 250 |
| 30mm | S | ET30S | 420 |
| 35mm | L | ET35L | 250 |
| 38mm | S | ET38S | 420 |
| 42mm | L | ET42L | 250 |

## Equal Cross

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 4-42mm

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 4mm | LL | EC04LL | 100 |
| 6mm | LL | EC06LL | 100 |
| 6mm | L | EC06L | 500 |
| 6mm | S | EC06S | 800 |
| 8mm | LL | EC08LL | 100 |
| 8mm | L | EC08L | 500 |
| 8mm | S | EC08S | 800 |
| 10mm | L | EC10L | 500 |
| 10mm | S | EC10S | 800 |
| 12mm | L | EC12L | 400 |
| 12mm | S | EC12S | 630 |
| 14mm | S | EC14S | 630 |
| 15mm | L | EC15L | 400 |
| 16mm | S | EC16S | 630 |
| 18mm | L | EC18L | 400 |
| 20mm | S | EC20S | 420 |

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 22mm | L | EC22L | 250 |
| 25mm | S | EC25S | 420 |
| 28mm | L | EC28L | 250 |
| 30mm | S | EC30S | 420 |
| 35mm | L | EC35L | 250 |
| 38mm | S | EC38S | 420 |
| 42mm | L | EC42L | 250 |

## Male Stud Coupling

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 4-42mm
- BSPT threads to ISO 7-1
- BSPP threads to ISO 228-1
- NPT threads to ANSI B2.1

| Compression Size | Thread | Series | Code | | | Max Pressure (Bar) |
|---|---|---|---|---|---|---|
| | | | NPT | BSPT | BSPP | |
| 4mm | 1/8 | LL | MSC04LL18NPT | MSC04LL18BSPT | - | 100 |
| 6mm | 1/8 | LL | MSC06LL18NPT | MSC06LL18BSPT | - | 100 |
| 6mm | 1/8 | L | MSC06L18NPT | MSC06L18BSPT | MSC06L18BSPP | 500 |
| 6mm | 1/8 | S | MSC06S18NPT | - | - | 800 |
| 6mm | 1/4 | L | MSC06L14NPT | MSC06L14BSPT | MSC06L14BSPP | 500 |
| 6mm | 1/4 | S | MSC06S14NPT | - | MSC06S14BSPP | 800 |
| 6mm | 3/8 | L | MSC06L38NPT | MSC06L38BSPT | MSC06L38BSPP | 500 |
| 6mm | 3/8 | S | MSC06S38NPT | - | MSC06S38BSPP | 800 |
| 6mm | 1/2 | L | MSC06L12NPT | MSC06L12BSPT | MSC06L12BSPP | 500 |
| 6mm | 1/2 | S | MSC06S12NPT | - | MSC06S12BSPP | 800 |
| 8mm | 1/8 | LL | MSC08LL18NPT | MSC08LL18BSPT | - | 100 |
| 8mm | 1/8 | L | MSC08L18NPT | MSC08L18BSPT | MSC08L18BSPP | 500 |
| 8mm | 1/8 | S | MSC08S18NPT | - | MSC08S18BSPP | 800 |
| 8mm | 1/4 | L | MSC08L14NPT | MSC08L14BSPT | MSC08L14BSPP | 500 |
| 8mm | 1/4 | S | MSC08S14NPT | - | MSC08S14BSPP | 800 |
| 8mm | 3/8 | L | MSC08L38NPT | MSC08L38BSPT | MSC08L38BSPP | 500 |
| 8mm | 3/8 | S | - | - | MSC08S38BSPP | 800 |
| 8mm | 1/2 | L | MSC08L12NPT | MSC08L12BSPT | MSC08L12BSPP | 500 |
| 8mm | 1/2 | S | MSC08S12NPT | - | MSC08S12BSPP | 800 |
| 10mm | 1/8 | L | - | - | MSC10L18BSPP | 500 |
| 10mm | 1/4 | L | MSC10L14NPT | MSC10L14BSPT | MSC10L14BSPP | 500 |
| 10mm | 1/4 | S | MSC10S14NPT | - | MSC10S14BSPP | 800 |
| 10mm | 3/8 | L | MSC10L38NPT | MSC10L38BSPT | MSC10L38BSPP | 500 |
| 10mm | 3/8 | S | MSC10S38NPT | - | MSC10S38BSPP | 800 |
| 10mm | 1/2 | L | MSC10L12NPT | MSC10L12BSPT | MSC10L12BSPP | 500 |
| 10mm | 1/2 | S | MSC10S12NPT | - | MSC10S12BSPP | 800 |
| 12mm | 1/4 | L | MSC12L14NPT | MSC12L14BSPT | MSC12L14BSPP | 400 |
| 12mm | 1/4 | S | MSC12S14NPT | - | MSC12S14BSPP | 630 |
| 12mm | 3/8 | L | MSC12L38NPT | MSC12L38BSPT | MSC12L38BSPP | 400 |
| 12mm | 3/8 | S | MSC12S38NPT | - | MSC12S38BSPP | 630 |
| 12mm | 1/2 | L | MSC12L12NPT | MSC12L12BSPT | MSC12L12BSPP | 400 |
| 12mm | 1/2 | S | MSC12S12NPT | - | MSC12S12BSPP | 630 |
| 12mm | 3/4 | L | MSC12L34NPT | - | MSC12L34BSPP | 400 |
| 12mm | 3/4 | S | MSC12S34NPT | - | MSC12S34BSPP | 630 |
| 14mm | 1/4 | S | MSC14S14NPT | - | - | 630 |
| 14mm | 3/8 | S | MSC14S38NPT | - | MSC14S38BSPP | 630 |

| Compression Size | Thread | Series | Code | | | Max Pressure (Bar) |
|---|---|---|---|---|---|---|
| | | | NPT | BSPT | BSPP | |
| 14mm | 1/2 | S | MSC14S12NPT | MSC14S12BSPT | MSC14S12BSPP | 630 |
| 14mm | 3/4 | S | - | - | MSC14S34BSPP | 630 |
| 15mm | 1/4 | L | MSC15L14NPT | MSC15L14BSPT | MSC15L14BSPP | 400 |
| 15mm | 3/8 | L | MSC15L38NPT | MSC15L38BSPT | MSC15L38BSPP | 400 |
| 15mm | 1/2 | L | MSC15L12NPT | MSC15L12BSPT | MSC15L12BSPP | 400 |
| 15mm | 3/4 | L | MSC15L34NPT | MSC15L34BSPT | MSC15L34BSPP | 400 |
| 16mm | 3/8 | S | - | - | MSC16S38BSPP | 630 |
| 16mm | 1/2 | S | MSC16S12NPT | MSC16S12BSPT | MSC16S12BSPP | 630 |
| 16mm | 3/4 | S | MSC16S34NPT | - | MSC16S34BSPP | 630 |
| 18mm | 3/8 | L | MSC18L38NPT | - | MSC18L38BSPP | 400 |
| 18mm | 1/2 | L | MSC18L12NPT | MSC18L12BSPT | MSC18L12BSPP | 400 |
| 18mm | 3/4 | L | MSC18L34NPT | MSC18L34BSPT | MSC18L34BSPP | 400 |
| 20mm | 3/8 | S | - | - | MSC20S38BSPP | 420 |
| 20mm | 1/2 | S | MSC20S12NPT | - | MSC20S12BSPP | 420 |
| 20mm | 3/4 | S | MSC20S34NPT | - | MSC20S34BSPP | 420 |
| 20mm | 1 | S | MSC20S1NPT | - | MSC20S1BSPP | 420 |
| 22mm | 1/2 | L | MSC22L12NPT | MSC22L12BSPT | MSC22L12BSPP | 250 |
| 22mm | 3/4 | L | MSC22L34NPT | MSC22L34BSPT | MSC22L34BSPP | 250 |
| 22mm | 1 | L | MSC22L1NPT | - | MSC22L1BSPP | 250 |
| 25mm | 3/4 | S | MSC25S34NPT | - | MSC25S34BSPP | 420 |
| 25mm | 1 | S | MSC25S1NPT | - | MSC25S1BSPP | 420 |
| 25mm | 1-1/4 | S | - | - | MSC25S114BSPP | 420 |
| 28mm | 1/2 | L | - | - | MSC28L12BSPP | 250 |
| 28mm | 3/4 | L | MSC28L34NPT | - | MSC28L34BSPP | 250 |
| 28mm | 1 | L | MSC28L1NPT | MSC28L1BSPT | MSC28L1BSPP | 250 |
| 28mm | 1-1/4 | L | MSC28L114NPT | - | MSC28L114BSPP | 250 |
| 30mm | 3/4 | S | MSC30S34NPT | - | MSC30S34BSPP | 420 |
| 30mm | 1 | S | MSC30S1NPT | - | MSC30S1BSPP | 420 |
| 30mm | 1-1/4 | S | MSC30S114NPT | - | MSC30S114BSPP | 420 |
| 35mm | 1 | L | MSC35L1NPT | MSC35L1BSPT | MSC35L1BSPP | 250 |
| 35mm | 1-1/4 | L | MSC35L114NPT | MSC35L114BSPT | MSC35L114BSPP | 250 |
| 38mm | 1 | S | - | - | MSC38S1BSPP | 420 |
| 38mm | 1-1/4 | S | - | - | MSC38S114BSPP | 420 |
| 38mm | 1-1/2 | S | MSC38S112NPT | - | MSC38S112BSPP | 420 |
| 42mm | 1-1/4 | L | MSC42L114NPT | - | MSC42L114BSPP | 250 |
| 42mm | 1-1/2 | L | MSC42L112NPT | MSC42L112BSPT | MSC42L112BSPP | 250 |

## Female Stud Coupling

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 6-42mm
- BSPT threads to ISO 7-1
- BSPP threads to ISO 228-1
- NPT threads to ANSI B2.1

| Compression Size | Thread | Series | Code | | Max Pressure (Bar) |
|---|---|---|---|---|---|
| | | | NPT | BSPP | |
| 6mm | 1/8 | L | FSC06L18NPT | FSC06L18BSPP | 500 |
| 6mm | 1/4 | L | FSC06L14NPT | FSC06L14BSPP | 500 |
| 6mm | 1/4 | S | FSC06S14NPT | FSC06S14BSPP | 800 |
| 8mm | 1/4 | L | FSC08L14NPT | FSC08L14BSPP | 500 |
| 8mm | 1/4 | S | FSC08S14NPT | FSC08S14BSPP | 800 |
| 8mm | 3/8 | L | - | FSC08L38BSPP | 500 |
| 8mm | 1/2 | L | - | FSC08L12BSPP | 500 |
| 10mm | 1/4 | L | FSC10L14NPT | FSC10L14BSPP | 500 |
| 10mm | 1/4 | S | - | FSC10S14BSPP | 800 |
| 10mm | 3/8 | L | - | FSC10L38BSPP | 500 |
| 10mm | 3/8 | S | FSC10S38NPT | FSC10S38BSPP | 800 |
| 10mm | 1/2 | L | - | FSC10L12BSPP | 500 |
| 12mm | 1/4 | L | - | FSC12L14BSPP | 400 |
| 12mm | 3/8 | L | FSC12L38NPT | FSC12L38BSPP | 400 |
| 12mm | 3/8 | S | FSC12S38NPT | FSC12S38BSPP | 630 |
| 12mm | 1/2 | L | FSC12L12NPT | FSC12L12BSPP | 400 |
| 12mm | 1/2 | S | - | FSC12S12BSPP | 630 |
| 14mm | 1/2 | S | FSC14S12NPT | FSC14S12BSPP | 630 |
| 15mm | 3/8 | L | FSC15L38NPT | FSC15L38BSPP | 400 |
| 15mm | 1/2 | L | FSC15L12NPT | FSC15L12BSPP | 400 |
| 16mm | 1/2 | S | FSC16S12NPT | FSC16S12BSPP | 630 |
| 18mm | 3/8 | L | - | FSC18L38BSPP | 400 |
| 18mm | 1/2 | L | FSC18L12NPT | FSC18L12BSPP | 400 |
| 20mm | 1/2 | S | - | FSC20S12BSPP | 420 |
| 20mm | 3/4 | S | FSC20S34NPT | FSC20S34BSPP | 420 |
| 22mm | 3/4 | L | FSC22L34NPT | FSC22L34BSPP | 250 |
| 25mm | 1 | S | FSC25S1NPT | FSC25S1BSPP | 420 |
| 28mm | 1 | L | FSC28L1NPT | FSC28L1BSPP | 250 |
| 30mm | 1-1/4 | S | FSC30S114NPT | FSC30S114BSPP | 420 |
| 35mm | 1-1/4 | L | FSC35L114NPT | FSC35L114BSPP | 250 |
| 38mm | 1-1/2 | S | FSC38S112NPT | FSC38S112BSPP | 420 |
| 42mm | 1-1/2 | L | FSC42L112NPT | FSC42L112BSPP | 250 |

## Male Stud Elbow

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 4-42mm
- BSPT threads to ISO 7-1
- BSPP threads to ISO 228-1
- NPT threads to ANSI B2.1

| Compression Size | Thread | Series | Code | | | Max Pressure (Bar) |
|---|---|---|---|---|---|---|
| | | | NPT | BSPT | BSPP | |
| 4mm | 1/8 | LL | MSE04LL18NPT | MSE04LL18BSPT | - | 100 |
| 6mm | 1/8 | LL | MSE06LL18NPT | MSE06LL18BSPT | - | 100 |
| 6mm | 1/8 | L | MSE06L18NPT | MSE06L18BSPT | - | 500 |
| 6mm | 1/4 | L | MSE06L14NPT | MSE06L14BSPT | - | 500 |
| 6mm | 1/4 | S | MSE06S14NPT | MSE06S14BSPT | - | 800 |
| 6mm | 3/8 | L | - | MSE06L38BSPT | - | 500 |
| 6mm | 3/8 | S | - | MSE06S38BSPT | - | 800 |
| 8mm | 1/8 | LL | MSE08LL18NPT | MSE08LL18BSPT | - | 100 |
| 8mm | 1/8 | L | MSE08L18NPT | MSE08L18BSPT | - | 500 |
| 8mm | 1/4 | L | MSE08L14NPT | MSE08L14BSPT | - | 500 |
| 8mm | 1/4 | S | MSE08S14NPT | MSE08S14BSPT | - | 800 |
| 8mm | 3/8 | L | - | MSE08L38BSPT | - | 500 |
| 8mm | 1/2 | L | - | MSE08L12BSPT | - | 500 |
| 10mm | 1/8 | L | - | MSE10L18BSPT | - | 500 |
| 10mm | 1/4 | L | MSE10L14NPT | MSE10L14BSPT | - | 500 |
| 10mm | 1/4 | S | MSE10S14NPT | - | - | 800 |
| 10mm | 3/8 | L | - | MSE10L38BSPT | - | 500 |
| 10mm | 3/8 | S | MSE10S38NPT | MSE10S38BSPT | - | 800 |
| 10mm | 1/2 | L | - | MSE10L12BSPT | - | 500 |
| 10mm | 1/2 | S | - | MSE10S12BSPT | - | 800 |
| 12mm | 1/4 | L | MSE12L14NPT | MSE12L14BSPT | - | 400 |
| 12mm | 1/4 | S | MSE12S14NPT | - | - | 630 |
| 12mm | 3/8 | L | MSE12L38NPT | MSE12L38BSPT | - | 400 |
| 12mm | 3/8 | S | MSE12S38NPT | MSE12S38BSPT | - | 630 |
| 12mm | 1/2 | L | MSE12L12NPT | MSE12L12BSPT | - | 400 |
| 12mm | 1/2 | S | MSE12S12NPT | - | - | 630 |
| 14mm | 1/2 | S | MSE14S12NPT | MSE14S12BSPT | - | 630 |
| 15mm | 3/8 | L | - | MSE15L38BSPT | - | 400 |
| 15mm | 1/2 | L | MSE15L12NPT | MSE15L12BSPT | - | 400 |
| 16mm | 1/2 | S | MSE16S12NPT | MSE16S12BSPT | - | 630 |
| 18mm | 1/2 | L | MSE18L12NPT | MSE18L12BSPT | - | 400 |
| 18mm | 3/4 | L | - | MSE18L34BSPT | - | 400 |
| 20mm | 3/4 | S | MSE20S34NPT | - | MSE20S34BSPP | 420 |
| 22mm | 3/4 | L | MSE22L34NPT | MSE22L34BSPT | MSE22L34BSPP | 250 |
| 25mm | 1 | S | MSE25S1NPT | - | MSE25S1BSPP | 420 |
| 28mm | 1 | L | MSE28L1NPT | - | MSE28L1BSPP | 250 |
| 30mm | 1-1/4 | S | MSE30S114NPT | - | MSE30S114BSPP | 420 |
| 35mm | 1-1/4 | L | MSE35L114NPT | - | MSE35L114BSPP | 250 |
| 38mm | 1-1/2 | S | MSE38S112NPT | - | MSE38S112BSPP | 420 |
| 42mm | 1-1/2 | L | MSE42L112NPT | - | MSE42L112BSPP | 250 |

## Male Branch Tee

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 4-42mm
- BSPT threads to ISO 7-1
- BSPP threads to ISO 228-1
- NPT threads to ANSI B2.1

| Compression Size | Thread | Series | Code | | | Max Pressure (Bar) |
|---|---|---|---|---|---|---|
| | | | NPT | BSPT | BSPP | |
| 4mm | 1/8 | LL | MBT04LL18NPT | MBT04LL18BSPT | - | 100 |
| 6mm | 1/8 | LL | MBT06LL18NPT | MBT06LL18BSPT | - | 100 |
| 6mm | 1/8 | L | MBT06L18NPT | MBT06L18BSPT | - | 500 |
| 6mm | 1/4 | L | - | MBT06L14BSPT | - | 500 |
| 6mm | 1/4 | S | MBT06S14NPT | MBT06S14BSPT | - | 800 |
| 8mm | 1/8 | LL | MBT08LL18NPT | MBT08LL18BSPT | - | 100 |
| 8mm | 1/4 | L | MBT08L14NPT | MBT08L14BSPT | - | 500 |
| 8mm | 1/4 | S | MBT08S14NPT | MBT08S14BSPT | - | 800 |
| 10mm | 1/4 | L | MBT10L14NPT | MBT10L14BSPT | - | 500 |
| 10mm | 3/8 | L | - | MBT10L38BSPT | - | 500 |
| 10mm | 3/8 | S | MBT10S38NPT | MBT10S38BSPT | - | 800 |
| 12mm | 3/8 | L | MBT12L38NPT | MBT12L38BSPT | - | 400 |
| 12mm | 3/8 | S | MBT12S38NPT | MBT12S38BSPT | - | 630 |
| 12mm | 1/2 | L | - | MBT12L12BSPT | - | 400 |
| 14mm | 1/2 | S | MBT14S12NPT | MBT14S12BSPT | - | 630 |
| 15mm | 1/2 | L | MBT15L12NPT | MBT15L12BSPT | - | 400 |
| 16mm | 1/2 | S | MBT16S12NPT | MBT16S12BSPT | - | 630 |
| 18mm | 1/2 | L | MBT18L12NPT | MBT18L12BSPT | - | 400 |
| 20mm | 3/4 | S | - | - | MBT20S34BSPP | 420 |
| 22mm | 3/4 | L | - | - | MBT22L34BSPP | 250 |
| 25mm | 1 | S | - | - | MBT25S1BSPP | 420 |
| 28mm | 1 | L | - | - | MBT28L1BSPP | 250 |
| 30mm | 1-1/4 | S | - | - | MBT30S114BSPP | 420 |
| 35mm | 1-1/4 | L | - | - | MBT35L114BSPP | 250 |
| 38mm | 1-1/2 | S | - | - | MBT38S112BSPP | 420 |
| 42mm | 1-1/2 | L | - | - | MBT42L112BSPP | 250 |

## Male Run Tee

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 4-42mm
- BSPT threads to ISO 7-1
- BSPP threads to ISO 228-1
- NPT threads to ANSI B2.1

| Compression Size | Thread | Series | Code | | | Max Pressure (Bar) |
|---|---|---|---|---|---|---|
| | | | NPT | BSPT | BSPP | |
| 4mm | 1/8 | LL | MRT04LL18NPT | MRT04LL18BSPT | - | 100 |
| 6mm | 1/8 | LL | MRT06LL18NPT | MRT06LL18BSPT | - | 100 |
| 6mm | 1/8 | L | MRT06L18NPT | MRT06L18BSPT | - | 500 |
| 6mm | 1/4 | L | - | MRT06L14BSPT | - | 500 |
| 6mm | 1/4 | S | MRT06S14NPT | MRT06S14BSPT | - | 800 |
| 8mm | 1/8 | LL | MRT08LL18NPT | MRT08LL18BSPT | - | 100 |
| 8mm | 1/4 | L | MRT08L14NPT | MRT08L14BSPT | - | 500 |
| 8mm | 1/4 | S | MRT08S14NPT | MRT08S14BSPT | - | 800 |
| 10mm | 1/4 | L | MRT10L14NPT | MRT10L14BSPT | - | 500 |
| 10mm | 3/8 | S | MRT10S38NPT | MRT10S38BSPT | - | 800 |
| 12mm | 3/8 | L | MRT12L38NPT | MRT12L38BSPT | - | 400 |
| 12mm | 3/8 | S | MRT12S38NPT | MRT12S38BSPT | - | 630 |
| 14mm | 1/2 | S | MRT14S12NPT | MRT14S12BSPT | - | 630 |
| 15mm | 1/2 | L | MRT15L12NPT | MRT15L12BSPT | - | 400 |
| 16mm | 1/2 | S | MRT16S12NPT | MRT16S12BSPT | - | 630 |
| 18mm | 1/2 | L | MRT18L12NPT | MRT18L12BSPT | - | 400 |
| 20mm | 3/4 | S | - | - | MRT20S34BSPP | 420 |
| 22mm | 3/4 | L | - | - | MRT22L34BSPP | 250 |
| 25mm | 1 | S | - | - | MRT25S1BSPP | 420 |
| 28mm | 1 | L | - | - | MRT28L1BSPP | 250 |
| 30mm | 1-1/4 | S | - | - | MRT30S114BSPP | 420 |
| 35mm | 1-1/4 | L | - | - | MRT35L114BSPP | 250 |
| 38mm | 1-1/2 | S | - | - | MRT38S112BSPP | 420 |
| 42mm | 1-1/2 | L | - | - | MRT42L112BSPP | 250 |

## Welding Bulkhead

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 6-42mm

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 6mm | L | WBH06L | 500 |
| 6mm | S | WBH06S | 800 |
| 8mm | L | WBH08L | 500 |
| 8mm | S | WBH08S | 800 |
| 10mm | L | WBH10L | 500 |
| 10mm | S | WBH10S | 800 |
| 12mm | L | WBH12L | 400 |
| 12mm | S | WBH12S | 630 |
| 14mm | S | WBH14S | 630 |
| 15mm | L | WBH15L | 400 |
| 16mm | S | WBH16S | 630 |
| 18mm | L | WBH18L | 400 |
| 20mm | S | WBH20S | 420 |
| 22mm | L | WBH22L | 250 |
| 25mm | S | WBH25S | 420 |

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 28mm | L | WBH28L | 250 |
| 30mm | S | WBH30S | 420 |
| 35mm | L | WBH35L | 250 |
| 38mm | S | WBH38S | 420 |
| 42mm | L | WBH42L | 250 |

## Equal Bulkhead

- Equal Bulkhead
- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 6-42mm

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 6mm | L | BH06L | 500 |
| 6mm | S | BH06S | 800 |
| 8mm | L | BH08L | 500 |
| 8mm | S | BH08S | 800 |
| 10mm | L | BH10L | 500 |
| 10mm | S | BH10S | 800 |
| 12mm | L | BH12L | 400 |
| 12mm | S | BH12S | 630 |
| 14mm | S | BH14S | 630 |
| 15mm | L | BH15L | 400 |
| 16mm | S | BH16S | 630 |
| 18mm | L | BH18L | 400 |
| 20mm | S | BH20S | 420 |
| 22mm | L | BH22L | 250 |
| 25mm | S | BH25S | 420 |

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 28mm | L | BH28L | 250 |
| 30mm | S | BH30S | 420 |
| 35mm | L | BH35L | 250 |
| 38mm | S | BH38S | 420 |
| 42mm | L | BH42L | 250 |

## Bulkhead Elbow

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 6-42mm

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 6mm | L | BHE06L | 500 |
| 6mm | S | BHE06S | 800 |
| 8mm | L | BHE08L | 500 |
| 8mm | S | BHE08S | 800 |
| 10mm | L | BHE10L | 500 |
| 10mm | S | BHE10S | 800 |
| 12mm | L | BHE12L | 400 |
| 12mm | S | BHE12S | 630 |
| 14mm | S | BHE 14S | 630 |
| 15mm | L | BHE 15L | 400 |
| 16mm | S | BHE 16S | 630 |
| 18mm | L | BHE18L | 400 |
| 20mm | S | BHE20S | 420 |
| 22mm | L | BHE22L | 250 |
| 25mm | S | BHE25S | 420 |

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 28mm | L | BHE28L | 250 |
| 30mm | S | BHE30S | 420 |
| 35mm | L | BHE35L | 250 |
| 38mm | S | BHE38S | 420 |
| 42mm | L | BHE42L | 250 |

## Weld Nipple With O-Ring

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 6-42mm

| Size | Thickness | Code |
|---|---|---|
| 6mm | 1.5mm | WN0615 |
| 8mm | 1.5mm | WN0815 |
| 10mm | 2mm | WN1020 |
| 12mm | 1.5mm | WN1215 |
| 12mm | 2mm | WN1220 |
| 14mm | 2mm | WN1420 |
| 15mm | 2mm | WN1520 |
| 16mm | 2mm | WN1620 |
| 16mm | 3mm | WN1630 |
| 18mm | 2.5mm | WN1825 |
| 20mm | 2mm | WN2020 |
| 20mm | 3mm | WN2030 |
| 22mm | 2.5mm | WN2225 |
| 25mm | 3mm | WN2530 |
| 25mm | 4mm | WN2540 |

| Size | Thickness | Code |
|---|---|---|
| 28mm | 3mm | WN2830 |
| 30mm | 4mm | WN3040 |
| 30mm | 5mm | WN3050 |
| 35mm | 4mm | WN3540 |
| 38mm | 4mm | WN3840 |
| 38mm | 5mm | WN3850 |
| 42mm | 3mm | WN4230 |

## Female Pressure Gauge Coupling

- Made to ISO 8434
- Complete with nuts, ferrules and sealing washer
- Sizes from 6-12mm
- NPT threads to ANSI B2.1
- BSPP threads to ISO 228-1

| Compression Size | Thread | Series | Code | | Max Pressure (Bar) |
|---|---|---|---|---|---|
| | | | NPT | BSPP | |
| 6mm | 1/4 | L | PGC06L14NPT | PGC06L14BSPP | 500 |
| 6mm | 1/2 | S | PGC06S12NPT | PGC06S12BSPP | 800 |
| 8mm | 1/4 | L | PGC08L14NPT | PGC08L14BSPP | 500 |
| 8mm | 1/2 | S | PGC10L14NPT | PGC08S12BSPP | 800 |
| 10mm | 1/4 | L | FSC08S14NPT | PGC10L14BSPP | 500 |
| 10mm | 1/2 | S | PGC10S12NPT | PGC10S12BSPP | 800 |
| 12mm | 1/4 | L | PGC12L14NPT | PGC12L14BSPP | 400 |
| 12mm | 1/2 | S | PGC12S12NPT | PGC12S12BSPP | 630 |

## Adjustable Standpipe Elbow

- Made to ISO 8434
- Complete with nuts and ferrules
- Pre-assembled standpipe connection
- Sizes from 6-42mm

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 6mm | L | ASE06L | 315 |
| 6mm | S | ASE06S | 630 |
| 8mm | L | ASE08L | 315 |
| 8mm | S | ASE08S | 360 |
| 10mm | L | ASE10L | 315 |
| 10mm | S | ASE10S | 630 |
| 12mm | L | ASE12L | 315 |
| 12mm | S | ASE12S | 630 |
| 14mm | S | ASE14S | 630 |
| 15mm | L | ASE15L | 315 |
| 16mm | S | ASE16S | 400 |
| 18mm | L | ASE18L | 315 |
| 20mm | S | ASE20S | 400 |
| 22mm | L | ASE22L | 160 |

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 25mm | S | ASE25S | 400 |
| 28mm | L | ASE28L | 160 |
| 30mm | S | ASE30S | 400 |
| 35mm | L | ASE35L | 160 |
| 38mm | S | ASE38S | 315 |
| 42mm | L | ASE42L | 160 |

## Reducing Coupling

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 6-42mm

| Compression Size 1 | Compression Size 2 | Series | Code | Max Pressure (Bar) |
|---|---|---|---|---|
| 8mm | 6mm | L | RC0806L | 500 |
| 8mm | 6mm | S | RC0806S | 800 |
| 10mm | 6mm | L | RC1006L | 500 |
| 10mm | 6mm | S | RC1006S | 800 |
| 10mm | 8mm | L | RC1008L | 500 |
| 10mm | 8mm | S | RC1008S | 800 |
| 12mm | 6mm | L | RC1206L | 400 |
| 12mm | 6mm | S | RC1206S | 630 |
| 12mm | 8mm | L | RC1208L | 400 |
| 12mm | 8mm | S | RC1208S | 630 |
| 12mm | 10mm | L | RC1210L | 400 |
| 12mm | 10mm | S | RC1210S | 630 |
| 14mm | 10mm | S | RC1410S | 630 |
| 14mm | 12mm | S | RC1412S | 630 |
| 15mm | 6mm | L | RC1506L | 400 |
| 15mm | 8mm | L | RC1508L | 400 |
| 15mm | 10mm | L | RC1510L | 400 |
| 15mm | 12mm | L | RC1512L | 400 |
| 16mm | 10mm | S | RC1610S | 630 |
| 16mm | 12mm | S | RC1612S | 630 |
| 16mm | 14mm | S | RC1614S | 630 |
| 18mm | 8mm | L | RC1808L | 400 |
| 18mm | 10mm | L | RC1810L | 400 |
| 18mm | 12mm | L | RC1812L | 400 |
| 18mm | 15mm | L | RC1815L | 400 |
| 20mm | 10mm | S | RC2010S | 420 |
| 20mm | 12mm | S | RC2012S | 420 |

| Compression Size 1 | Compression Size 2 | Series | Code | Max Pressure (Bar) |
|---|---|---|---|---|
| 20mm | 14mm | S | RC2014S | 420 |
| 20mm | 16mm | S | RC2016S | 420 |
| 22mm | 12mm | L | RC2212L | 250 |
| 22mm | 15mm | L | RC2215L | 250 |
| 22mm | 18mm | L | RC2218L | 250 |
| 25mm | 16mm | S | RC2516S | 420 |
| 25mm | 20mm | S | RC2520S | 420 |
| 28mm | 10mm | L | RC2810L | 250 |
| 28mm | 12mm | L | RC2812L | 250 |
| 28mm | 15mm | L | RC2815L | 250 |
| 28mm | 18mm | L | RC2818L | 250 |
| 28mm | 22mm | L | RC2822L | 420 |
| 30mm | 20mm | S | RC3020S | 420 |
| 30mm | 25mm | S | RC3025S | 420 |
| 35mm | 28mm | L | RC3528L | 250 |
| 38mm | 30mm | S | RC3830S | 420 |
| 42mm | 28mm | L | RC4228L | 250 |
| 42mm | 35mm | L | RC4235L | 250 |

## Adjustable Male Standpipe

- Pre-assembled standpipe available threaded BSPP and NPT male
- From 6mm to 42mm
- BSPP male thread to ISO 228/1
- NPT male thread to ANSI B2.1

| Compression Size | Thread | Series | Code | | Max Pressure (Bar) |
|---|---|---|---|---|---|
| | | | BSPP | NPT | |
| 6mm | 1/8 | L | AMS06L18BSPP | AMS06L18NPT | 315 |
| 6mm | 1/4 | S | AMS06S14BSPP | AMS06S14NPT | 360 |
| 8mm | 1/4 | L | AMS08L14BSPP | AMS08L14NPT | 315 |
| 8mm | 1/4 | S | AMS08S14BSPP | AMS08S14NPT | 630 |
| 10mm | 1/4 | L | AMS10L14BSPP | AMS10L14NPT | 315 |
| 10mm | 1/4 | S | AMS10S14BSPP | AMS10S14NPT | 630 |
| 10mm | 3/8 | S | AMS10S38BSPP | AMS10S38NPT | 630 |
| 12mm | 1/4 | L | AMS12L14BSPP | AMS12L14NPT | 315 |
| 12mm | 1/4 | S | AMS12S14BSPP | -630 | |
| 12mm | 3/8 | L | AMS12L38BSPP | AMS12L38NPT | 315 |
| 12mm | 3/8 | S | AMS12S38BSPP | AMS12S38NPT | 630 |
| 12mm | 1/2 | L | AMS12L12BSPP | -315 | |
| 12mm | 1/2 | S | AMS12S12BSPP | -630 | |
| 14mm | 1/2 | S | AMS14S12BSPP | AMS14S12NPT | 630 |
| 15mm | 1/2 | L | AMS15L12BSPP | AMS15L12NPT | 315 |
| 16mm | 1/2 | S | AMS16S12BSPP | AMS16S12NPT | 400 |
| 16mm | 3/4 | S | AMS16S34BSPP | -400 | |
| 18mm | 1/2 | L | AMS18L12BSPP | AMS18L12NPT | 315 |
| 20mm | 3/4 | S | AMS20S34BSPP | AMS20S34NPT | 400 |
| 22mm | 3/4 | L | AMS22L34BSPP | AMS22L34NPT | 160 |
| 25mm | 1 | S | AMS25S1BSPP | AMS25S1NPT | 400 |
| 28mm | 1 | L | AMS28L1BSPP | AMS28L1NPT | 160 |
| 30mm | 1-1/4 | S | AMS30S114BSPP | AMS30S114NPT | 400 |
| 30mm | 1 | S | AMS30S1BSPP | -400 | |
| 35mm | 1-1/4 | L | AMS35L114BSPP | AMS35L114NPT | 160 |
| 38mm | 1-1/2 | S | AMS38S112BSPP | AMS38S112NPT | 315 |
| 42mm | 1-1/2 | L | AMS42L112BSPP | AMS42L112NPT | 160 |

## Standpipe Reducing Adaptor (Light Series)

- Made to ISO 8434
- Complete with nuts and ferrules
- Pre-assembled standpipe connection
- Sizes from 6-42mm

| Standpipe Size | Compression Size | Code | Max Pressure (BAR) |
|---|---|---|---|
| 8mm | 6mm | SRA0806L | 315 |
| 10mm | 6mm | SRA1006L | 315 |
| 10mm | 8mm | SRA1008L | 315 |
| 12mm | 6mm | SRA1206L | 315 |
| 12mm | 8mm | SRA1208L | 315 |
| 12mm | 10mm | SRA1210L | 315 |
| 15mm | 6mm | SRA1506L | 315 |
| 15mm | 8mm | SRA1508L | 315 |
| 15mm | 10mm | SRA1510L | 315 |
| 15mm | 12mm | SRA1512L | 315 |
| 18mm | 6mm | SRA1806L | 315 |
| 18mm | 8mm | SRA1808L | 315 |
| 18mm | 10mm | SRA1810L | 315 |
| 18mm | 12mm | SRA1812L | 315 |
| 18mm | 15mm | SRA1815L | 315 |
| 22mm | 6mm | SRA2206L | 160 |
| 22mm | 8mm | SRA2208L | 160 |
| 22mm | 10mm | SRA2210L | 160 |
| 22mm | 12mm | SRA2212L | 160 |
| 22mm | 15mm | SRA2215L | 160 |
| 22mm | 18mm | SRA2218L | 160 |
| 28mm | 6mm | SRA2806L | 160 |

| Standpipe Size | Compression Size | Code | Max Pressure (BAR) |
|---|---|---|---|
| 28mm | 8mm | SRA2808L | 160 |
| 28mm | 10mm | SRA2810L | 160 |
| 28mm | 12mm | SRA2812L | 160 |
| 28mm | 15mm | SRA2815L | 160 |
| 28mm | 18mm | SRA2818L | 160 |
| 28mm | 22mm | SRA2822L | 160 |
| 35mm | 6mm | SRA3506L | 160 |
| 35mm | 8mm | SRA3508L | 160 |
| 35mm | 10mm | SRA3510L | 160 |
| 35mm | 12mm | SRA3512L | 160 |
| 35mm | 15mm | SRA3515L | 160 |
| 35mm | 18mm | SRA3518L | 160 |
| 35mm | 22mm | SRA3522L | 160 |
| 35mm | 28mm | SRA3528L | 160 |
| 42mm | 10mm | SRA4210L | 160 |
| 42mm | 12mm | SRA4212L | 160 |
| 42mm | 15mm | SRA4215L | 160 |
| 42mm | 18mm | SRA4218L | 160 |
| 42mm | 22mm | SRA4222L | 160 |
| 42mm | 28mm | SRA4228L | 160 |
| 42mm | 35mm | SRA4235L | 160 |

## Standpipe Reducing Adaptor (Heavy Series)

- Pre-assembled standpipe available threaded BSPP and NPT male
- from 6mm to 42mm
- BSPP male thread to ISO 228/1
- NPT male thread to ANSI B2.1

| Standpipe Size | Compression Size | Code | Max Pressure (BAR) |
|---|---|---|---|
| 8mm | 6mm | SRA0806S | 630 |
| 10mm | 6mm | SRA1006S | 630 |
| 10mm | 8mm | SRA1008S | 630 |
| 12mm | 6mm | SRA1206S | 630 |
| 12mm | 8mm | SRA1208S | 630 |
| 12mm | 10mm | SRA1210S | 630 |
| 14mm | 6mm | SRA1406S | 630 |
| 14mm | 8mm | SRA1408S | 630 |
| 14mm | 10mm | SRA1410S | 630 |
| 14mm | 12mm | SRA1412S | 630 |
| 16mm | 6mm | SRA1606S | 400 |
| 16mm | 8mm | SRA1608S | 400 |
| 16mm | 10mm | SRA1610S | 400 |
| 16mm | 12mm | SRA1612S | 400 |
| 16mm | 14mm | SRA1614S | 400 |
| 20mm | 6mm | SRA2006S | 400 |
| 20mm | 8mm | SRA2008S | 400 |
| 20mm | 10mm | SRA2010S | 400 |
| 20mm | 12mm | SRA2012S | 400 |
| 20mm | 14mm | SRA2014S | 400 |
| 20mm | 16mm | SRA2016S | 400 |
| 25mm | 6mm | SRA2506S | 400 |
| 25mm | 8mm | SRA2508S | 400 |

| Standpipe Size | Compression Size | Code | Max Pressure (BAR) |
|---|---|---|---|
| 25mm | 10mm | SRA2510S | 400 |
| 25mm | 12mm | SRA2512S | 400 |
| 25mm | 14mm | SRA2514S | 400 |
| 25mm | 16mm | SRA2516S | 400 |
| 25mm | 20mm | SRA2520S | 400 |
| 30mm | 6mm | SRA3006S | 400 |
| 30mm | 8mm | SRA3008S | 400 |
| 30mm | 10mm | SRA3010S | 400 |
| 30mm | 12mm | SRA3012S | 400 |
| 30mm | 14mm | SRA3014S | 400 |
| 30mm | 16mm | SRA3016S | 400 |
| 30mm | 20mm | SRA3020S | 400 |
| 30mm | 25mm | SRA3025S | 400 |
| 38mm | 6mm | SRA3806S | 315 |
| 38mm | 8mm | SRA3808S | 315 |
| 38mm | 10mm | SRA3810S | 315 |
| 38mm | 12mm | SRA3812S | 315 |
| 38mm | 14mm | SRA3814S | 315 |
| 38mm | 16mm | SRA3816S | 315 |
| 38mm | 20mm | SRA3820S | 315 |
| 38mm | 25mm | SRA3825S | 315 |
| 38mm | 30mm | SRA3830S | 315 |

## Adjustable Standpipe Branch Tee

- Made to ISO 8434
- Complete with nuts and ferrules
- Pre-assembled standpipe connection
- Sizes from 6-42mm

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 6mm | L | ASBT06L | 315 |
| 6mm | S | ASBT06S | 630 |
| 8mm | L | ASBT08L | 315 |
| 8mm | S | ASBT08S | 360 |
| 10mm | L | ASBT10L | 315 |
| 10mm | S | ASBT10S | 630 |
| 12mm | L | ASBT12L | 315 |
| 12mm | S | ASBT12S | 630 |
| 14mm | S | ASBT14S | 630 |
| 15mm | L | ASBT15L | 315 |
| 16mm | S | ASBT16S | 400 |
| 18mm | L | ASBT18L | 315 |
| 20mm | S | ASBT20S | 400 |
| 22mm | L | ASBT22L | 160 |

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 25mm | S | ASBT25S | 400 |
| 28mm | L | ASBT28L | 160 |
| 30mm | S | ASBT30S | 400 |
| 35mm | L | ASBT35L | 160 |
| 38mm | S | ASBT38S | 315 |
| 42mm | L | ASBT42L | 160 |

## Adjustable Standpipe Run Tee

- Made to ISO 8434
- Complete with nuts and ferrules
- Pre-assembled standpipe connection
- Sizes from 6-42mm

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 6mm | L | ASRT06L | 315 |
| 6mm | S | ASRT06S | 630 |
| 8mm | L | ASRT08L | 315 |
| 8mm | S | ASRT08S | 360 |
| 10mm | L | ASRT10L | 315 |
| 10mm | S | ASRT10S | 630 |
| 12mm | L | ASRT12L | 315 |
| 12mm | S | ASRT12S | 630 |
| 14mm | S | ASRT14S | 630 |
| 15mm | L | ASRT15L | 315 |
| 16mm | S | ASRT16S | 400 |
| 18mm | L | ASRT18L | 315 |
| 20mm | S | ASRT20S | 400 |
| 22mm | L | ASRT22L | 160 |

| Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 25mm | S | ASRT25S | 400 |
| 28mm | L | ASRT28L | 160 |
| 30mm | S | ASRT30S | 400 |
| 35mm | L | ASRT35L | 160 |
| 38mm | S | ASRT38S | 315 |
| 42mm | L | ASRT42L | 160 |

## Banjo Elbow

- Made to ISO 8434
- Complete with nuts and ferrules
- Supplied with BSPP male Banjo bolt
- Sizes from 6-42mm
- Sealing with metal sealing edge-ring and FKM O-ring

| Compression Size | Thread | Series | Code | Max Pressure (Bar) |
|---|---|---|---|---|
| 6mm | 1/8 | L | BE06L18BSPP | 500 |
| 6mm | 1/4 | S | BE06S14BSPP | 800 |
| 8mm | 1/4 | L | BE08L14BSPP | 500 |
| 8mm | 1/4 | S | BE08S14BSPP | 800 |
| 10mm | 1/4 | L | BE10L14BSPP | 500 |
| 10mm | 3/8 | S | BE10S38BSPP | 800 |
| 12mm | 3/8 | L | BE12L38BSPP | 500 |
| 12mm | 3/8 | S | BE12S38BSPP | 630 |
| 14mm | 1/2 | S | BE14S12BSPP | 630 |
| 15mm | 1/2 | L | BE15L12BSPP | 500 |
| 16mm | 1/2 | S | BE16S12BSPP | 630 |
| 18mm | 1/2 | L | BE18L12BSPP | 400 |
| 20mm | 3/4 | S | BE20S34BSPP | 420 |
| 22mm | 3/4 | L | BE22L34BSPP | 250 |
| 25mm | 1 | S | BE25S1BSPP | 420 |
| 28mm | 1 | L | BE28L1BSPP | 250 |
| 30mm | 1-1/4 | S | BE30S114BSPP | 420 |
| 35mm | 1-1/4 | L | BE35L114BSPP | 250 |
| 38mm | 1-1/2 | S | BE38S112BSPP | 420 |
| 42mm | 1-1/2 | L | BE42L112BSPP | 250 |

## Banjo Tee

- Made to ISO 8434
- Complete with nuts and ferrules
- Supplied with BSPP male Banjo bolt Sizes from 6-42mm
- Sealing with metal sealing edge-ring and FKM O-ring

| Compression Size | Thread | Series | Code | Max Pressure (Bar) |
|---|---|---|---|---|
| 6mm | 1/8 | L | BT06L18BSPP | 500 |
| 6mm | 1/4 | S | BT06S14BSPP | 800 |
| 8mm | 1/4 | L | BT08L14BSPP | 500 |
| 8mm | 1/4 | S | BT08S14BSPP | 800 |
| 10mm | 1/4 | L | BT10L14BSPP | 500 |
| 10mm | 3/8 | S | BT10S38BSPP | 800 |
| 12mm | 3/8 | L | BT12L38BSPP | 500 |
| 12mm | 3/8 | S | BT12S38BSPP | 630 |
| 14mm | 1/2 | S | BT14S12BSPP | 630 |
| 15mm | 1/2 | L | BT15L12BSPP | 500 |
| 16mm | 1/2 | S | BT16S12BSPP | 630 |
| 18mm | 1/2 | L | BT18L12BSPP | 400 |
| 20mm | 3/4 | S | BT20S34BSPP | 420 |
| 22mm | 3/4 | L | BT22L34BSPP | 250 |
| 25mm | 1 | S | BT25S1BSPP | 420 |
| 28mm | 1 | L | BT28L1BSPP | 250 |
| 30mm | 1-1/4 | S | BT30S114BSPP | 420 |
| 35mm | 1-1/4 | L | BT35L114BSPP | 250 |
| 38mm | 1-1/2 | S | BT38S112BSPP | 420 |
| 42mm | 1-1/2 | L | BT42L112BSPP | 250 |

## Cap

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 6-42mm

| Compression Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 6mm | L | CAP06L | 500 |
| 8mm | L | CAP08L | 500 |
| 10mm | L | CAP10L | 500 |
| 12mm | L | CAP12L | 400 |
| 15mm | L | CAP15L | 400 |
| 18mm | L | CAP18L | 400 |
| 22mm | L | CAP22L | 250 |
| 28mm | L | CAP28L | 250 |
| 35mm | L | CAP35L | 250 |
| 42mm | L | CAP42L | 250 |

## Welding Coupling

- Made to ISO 8434
- Complete with nuts and ferrules
- Sizes from 6-42mm

| Compression Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 6mm | L | WC06L | 500 |
| 6mm | S | WC06S | 800 |
| 8mm | L | WC08L | 500 |
| 8mm | S | WC08S | 800 |
| 10mm | L | WC10L | 500 |
| 10mm | S | WC10S | 800 |
| 12mm | L | WC12L | 400 |
| 12mm | S | WC12S | 630 |
| 14mm | S | WC14S | 630 |
| 15mm | L | WC15L | 400 |
| 16mm | S | WC16S | 630 |
| 18mm | L | WC18L | 400 |
| 20mm | S | WC20S | 420 |
| 22mm | L | WC22L | 250 |
| 25mm | S | WC25S | 420 |
| 28mm | L | WC28L | 250 |
| 30mm | S | WC30S | 420 |
| 35mm | L | WC35L | 250 |
| 38mm | S | WC38S | 420 |
| 42mm | L | WC42L | 250 |

## Plug with O-Ring

- Made to ISO 8434
- Supplied with FKM O-ring
- Sizes from 6-42mm

| Compression Size | Series | Code | Max Pressure (Bar) |
|---|---|---|---|
| 6mm | L/S | P06L/S | 800 |
| 8mm | L/S | P08L/S | 800 |
| 10mm | L/S | P10L/S | 800 |
| 12mm | L/S | P12L/S | 630 |
| 14mm | S | P14S | 630 |
| 15mm | L | P15L | 400 |
| 16mm | S | P16S | 630 |
| 18mm | L | P18L | 400 |
| 20mm | S | P20S | 420 |
| 22mm | L | P22L | 250 |
| 25mm | S | P25S | 420 |
| 28mm | L | P28L | 250 |
| 30mm | S | P30S | 420 |
| 35mm | L | P35L | 250 |
| 38mm | S | P38S | 420 |
| 42mm | L | P42L | 250 |

## Nylon Tube Insert

- Made to ISO 8434
- Sizes from 4-22mm

| Tube OD | Tube ID | Code |
|---|---|---|
| 4mm | 2mm | NTI0402 |
| 4mm | 2.5mm | NTI0425 |
| 6mm | 3mm | NTI0603 |
| 6mm | 4mm | NTI0604 |
| 8mm | 5.5mm | NTI0855 |
| 8mm | 6mm | NTI0806 |
| 10mm | 7mm | NTI1007 |
| 10mm | 8mm | NTI1008 |
| 12mm | 10mm | NTI1210 |
| 12mm | 9.5mm | NTI1295 |
| 14mm | 11mm | NTI1411 |
| 15mm | 12mm | NTI1512 |
| 16mm | 13mm | NTI1613 |
| 18mm | 16mm | NTI1816 |
| 20mm | 16mm | NTI2016 |
| 22mm | 18mm | NTI2218 |

## Pre Installation Body

- Made from hardened tool-steel
- Sizes from 4-42mm

| Compression Size | Series | Code |
|---|---|---|
| 4mm | LL | PIB04LL |
| 6mm | LL | PIB06LL |
| 6mm | L | PIB06L |
| 6mm | S | PIB06S |
| 8mm | LL | PIB08LL |
| 8mm | L | PIB08L |
| 8mm | S | PIB08S |
| 10mm | L | PIB10L |
| 10mm | S | PIB10S |
| 12mm | L | PIB12L |
| 12mm | S | PIB12S |
| 14mm | S | PIB14S |
| 15mm | L | PIB15L |
| 16mm | S | PIB16S |
| 18mm | L | PIB18L |

| Compression Size | Series | Code |
|---|---|---|
| 20mm | S | PIB20S |
| 22mm | L | PIB22L |
| 25mm | S | PIB25S |
| 28mm | L | PIB28L |
| 30mm | S | PIB30S |
| 35mm | L | PIB35L |
| 38mm | S | PIB38S |
| 42mm | L | PIB42L |

## Assembly Paste

- Supplied with application brush

| Code | Size |
|---|---|
| SMP125G | 125g |

SECTION 11

# TWIN FERRULE COMPRESSION FITTINGS

/11

Nero are the sole UK distributor for FD-Lok. FD-Lok is a leading manufacturer of twin ferrule compression, pipe fittings, high pressure ball valves, instrumentation fittings and various high and low pressure instrumentation valves.

Their products are widely used in many fluid system for industries which include oil and gas, chemical, petrochemical, power, shipbuilding, machinery and analytical instrumentation.

Our range of twin ferrule fittings is available in metric and imperial sizes as shown For more information on other products available from this manufacturer please contact us.

- Silver plated nuts.
- Metric sizes available from 2mm to 38mm (stocked from 4mm to 25mm)
- Fractional sizes available from 1/16" to 1-1/2" ( stocked from 1/8" to 1")

## Male Connector (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1
- BSPP male thread to ISO 228/1
- Sizes from 4-25mm

| Compression Size | Thread | Code | | | |
|---|---|---|---|---|---|
| | | NPT | BSPT | BSPP | Max Pressure (Bar) |
| 4mm | 1/8 | 4MMC2NPT | 4MMC2BSPT | 4MMC2BSPP | 710 |
| 4mm | 1/4 | 4MMC4NPT | 4MMC4BSPT | 4MMC4BSPP | 566 |
| 6mm | 1/8 | 6MMC2NPT | 6MMC2BSPT | 6MMC2BSPP | 710 |
| 6mm | 1/4 | 6MMC4NPT | 6MMC4BSPT | 6MMC4BSPP | 566 |
| 6mm | 3/8 | 6MMC6NPT | 6MMC6BSPT | 6MMC6BSPP | 566 |
| 6mm | 1/2 | 6MMC8NPT | 6MMC8BSPT | 6MMC8BSPP | 546 |
| 8mm | 1/8 | 8mmC2NPT | 8mmC2BSPT | 8mmC2BSPP | 710 |
| 8mm | 1/4 | 8MMC4NPT | 8MMC4BSPT | 8MMC4BSPP | 566 |
| 8mm | 3/8 | 8MMC6NPT | 8MMC6BSPT | 8MMC6BSPP | 566 |
| 8mm | 1/2 | 8MMC8NPT | 8MMC8BSPT | 8MMC8BSPP | 546 |
| 10mm | 1/8 | 10MMC2NPT | 10MMC2BSPT | 10MMC2BSPP | 710 |
| 10mm | 1/4 | 10MMC4NPT | 10MMC4BSPT | 10MMC4BSPP | 566 |
| 10mm | 3/8 | 10MMC6NPT | 10MMC6BSPT | 10MMC6BSPP | 566 |
| 10mm | 1/2 | 10MMC8NPT | 10MMC8BSPT | 10MMC8BSPP | 546 |
| 12mm | 1/4 | 12MMC4NPT | 12MMC4BSPT | 12MMC4BSPP | 566 |
| 12mm | 3/8 | 12MMC6NPT | 12MMC6BSPT | 12MMC6BSPP | 566 |
| 12mm | 1/2 | 12MMC8NPT | 12MMC8BSPT | 12MMC8BSPP | 546 |
| 12mm | 3/4 | 12MMC12NPT | 12MMC12BSPT | 12MMC12BSPP | 515 |
| 15mm | 1/4 | 15mMC4NPT | 15mMC4BSPT | 15mMC4BSPP | 566 |
| 15mm | 3/8 | 15mMC6NPT | 15mMC6BSPT | 15mMC6BSPP | 566 |
| 15mm | 1/2 | 15mMC8NPT | 15mMC8BSPT | 15mMC8BSPP | 546 |
| 15mm | 3/4 | 15mMC12NPT | 15mMC12BSPT | 15mMC12BSPP | 515 |
| 16mm | 3/8 | 16MMC6NPT | 16MMC6BSPT | 16MMC6BSPP | 566 |
| 16mm | 1/2 | 16MMC8NPT | 16MMC8BSPT | 16MMC8BSPP | 546 |
| 16mm | 3/4 | 16MMC12NPT | 16MMC12BSPT | 16MMC12BSPP | 515 |
| 18mm | 1/2 | 18MMC8NPT | 18MMC8BSPT | 18MMC8BSPP | 546 |
| 18mm | 3/4 | 18MMC12NPT | 18MMC12BSPT | 18MMC12BSPP | 515 |
| 18mm | 1 | 18MMC16NPT | 18MMC16BSPT | 18MMC16BSPP | 381 |
| 20mm | 1/2 | 20MMC8NPT | 20MMC8BSPT | 20MMC8BSPP | 546 |
| 20mm | 3/4 | 20MMC12NPT | 20MMC12BSPT | 20MMC12BSPP | 515 |
| 22mm | 1/2 | 22mMC8NPT | 22mMC8BSPT | 22mMC8BSPP | 546 |
| 22mm | 3/4 | 22mMC12NPT | 22mMC12BSPT | 22mMC12BSPP | 515 |
| 22mm | 1 | 22mMC16NPT | 22mMC16BSPT | 22mMC16BSPP | 381 |
| 25mm | 1/2 | 25MMC8NPT | 25MMC8BSPT | 25MMC8BSPP | 546 |
| 25mm | 3/4 | 25MMC12NPT | 25MMC12BSPT | 25MMC12BSPP | 515 |
| 25mm | 1 | 25MMC16NPT | 25MMC16BSPT | 25MMC16BSPP | 381 |

## Male Connector (Imperial)

- OD tube
- Supplied with nuts and ferrules
- NPT male thread to ANSI B2.1B52
- BSPT male thread to ISO 7/1
- BSPP male thread to ISO 228/1
- Sizes from 1/8-1”

| Compression Size | Thread | Code | | | |
|---|---|---|---|---|---|
| | | NPT | BSPT | BSPP | Max Pressure (Bar) |
| 41/8 | 1/8 | 2MC2NPT | 2MC2BSPT | 2MC2BSPP | 710 |
| 1/8 | 1/4 | 2MC4NPT | 2MC4BSPT | 2MC4BSPP | 566 |
| 3/16 | 1/8 | 3MC2NPT | 3MC2BSPT | 3MC2BSPP | 710 |
| 3/16 | 1/4 | 3MC4NPT | 3MC4BSPT | 3MC4BSPP | 566 |
| 1/4 | 1/8 | 4MC2NPT | 4MC2BSPT | 4MC2BSPP | 710 |
| 1/4 | 1/4 | 4MC4NPT | 4MC4BSPT | 4MC4BSPP | 566 |
| 1/4 | 3/8 | 4MC6NPT | 4MC6BSPT | 4MC6BSPP | 566 |
| 1/4 | 1/2 | 4MC8NPT | 4MC8BSPT | 4MC8BSPP | 546 |
| 5/16 | 1/4 | 5MC4NPT | 5MC4BSPT | 5MC4BSPP | 566 |
| 5/16 | 3/8 | 5MC6NPT | 5MC6BSPT | 5MC6BSPP | 566 |
| 3/8 | 1/8 | 6MC2NPT | 6MC2BSPT | 6MC2BSPP | 710 |
| 3/8 | 1/4 | 6MC4NPT | 6MC4BSPT | 6MC4BSPP | 566 |
| 3/8 | 3/8 | 6MC6NPT | 6MC6BSPT | 6MC6BSPP | 566 |
| 3/8 | 1/2 | 6MC8NPT | 6MC8BSPT | 6MC8BSPP | 546 |
| 3/8 | 3/4 | 6MC12NPT | 6MC12BSPT | 6MC12BSPP | 515 |
| 1/2 | 1/4 | 8MC4NPT | 8MC4BSPT | 8MC4BSPP | 566 |
| 1/2 | 3/8 | 8MC6NPT | 8MC6BSPT | 8MC6BSPP | 566 |
| 1/2 | 1/2 | 8MC8NPT | 8MC8BSPT | 8MC8BSPP | 546 |
| 1/2 | 3/4 | 8MC12NPT | 8MC12BSPT | 8MC12BSPP | 515 |
| 5/8 | 3/8 | 10MC6NPT | 10MC6BSPT | 10MC6BSPP | 566 |
| 5/8 | 1/2 | 10MC8NPT | 10MC8BSPT | 10MC8BSPP | 546 |
| 5/8 | 3/4 | 10MC12NPT | 10MC12BSPT | 10MC12BSPP | 515 |
| 3/4 | 1/2 | 12MC8NPT | 12MC8BSPT | 12MC8BSPP | 546 |
| 3/4 | 3/4 | 12MC12NPT | 12MC12BSPT | 12MC12BSPP | 515 |
| 1 | 1/2 | 16MC8NPT | 16MC8BSPT | 16MC8BSPP | 546 |
| 1 | 3/4 | 16MC12NPT | 16MC12BSPT | 16MC12BSPP | 515 |
| 1 | 1 | 16MC16NPT | 16MC16BSPT | 16MC16BSPP | 381 |

## Female Connector (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- NPT female thread to ANSI B2.1
- BSPP female thread to ISO 228/1
- Sizes from 4-25mm

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPP | |
| 4mm | 1/8 | 4MFC2NPT | 4MFC2BSPP | 710 |
| 4mm | 1/4 | 4MFC4NPT | 4MFC4BSPP | 566 |
| 6mm | 1/8 | 6MFC2NPT | 6MFC2BSPP | 710 |
| 6mm | 1/4 | 6MFC4NPT | 6MFC4BSPP | 566 |
| 6mm | 3/8 | 6MFC6NPT | 6MFC6BSPP | 566 |
| 6mm | 1/2 | 6mFC8NPT | 6MFC8BSPP | 546 |
| 8mm | 1/4 | 8MFC4NPT | 8MFC4BSPP | 566 |
| 8mm | 3/8 | 8MFC6NPT | 8MFC6BSPP | 566 |
| 8mm | 1/2 | 8MFC8NPT | 8MFC8BSPP | 546 |
| 10mm | 1/4 | 10MFC4NPT | 10MFC4BSPP | 566 |
| 10mm | 3/8 | 10MFC6NPT | 10MFC6BSPP | 566 |
| 10mm | 1/2 | 10MFC8NPT | 10MFC8BSPP | 546 |
| 12mm | 1/4 | 12MFC4NPT | 12MFC4BSPP | 566 |
| 12mm | 3/8 | 12MFC6NPT | 12MFC6BSPP | 566 |
| 12mm | 1/2 | 12MFC8NPT | 12MFC8BSPP | 546 |
| 12mm | 3/4 | 12MFC12NPT | 12MFC12BSPP | 515 |
| 15mm | 1/2 | 15mFC8NPT | 15mFC8BSPP | 546 |
| 16mm | 1/2 | 16MFC8NPT | 16MFC8BSPP | 546 |
| 16mm | 3/4 | 16MFC12NPT | 16MFC12BSPP | 515 |
| 18mm | 1/2 | 18MFC8NPT | 18MFC8BSPP | 546 |
| 18mm | 3/4 | 18MFC12NPT | 18MFC12BSPP | 515 |
| 20mm | 1/2 | 20MFC8NPT | 20MFC8BSPP | 546 |
| 20mm | 3/4 | 20MFC12NPT | 20MFC12BSPP | 515 |
| 22mm | 1/2 | 22mFC8NPT | 22mFC8BSPP | 546 |
| 22mm | 3/4 | 22mFC12NPT | 22mFC12BSPP | 515 |
| 25mm | 3/4 | 25MFC12NPT | 25MFC12BSPP | 515 |
| 25mm | 1 | 25MFC16NPT | 25MFC16BSPP | 381 |

## Female Connector (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1
- BSPP male thread to ISO 228/1
- Sizes from 1/8-1

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPP | |
| 1/8 | 1/8 | 2FC2NPT | 2FC2BSPP | 710 |
| 1/8 | 1/4 | 2FC4NPT | 2FC4BSPP | 566 |
| 3/16 | 1/8 | 3FC2NPT | 3FC2BSPP | 710 |
| 3/16 | 1/4 | 3FC4NPT | 3FC4BSPP | 566 |
| 1/4 | 1/8 | 4FC2NPT | 4FC2BSPP | 710 |
| 1/4 | 1/4 | 4FC4NPT | 4FC4BSPP | 566 |
| 1/4 | 3/8 | 4FC6NPT | 4FC6BSPP | 566 |
| 1/4 | 1/2 | 4FC8NPT | 4FC8BSPP | 546 |
| 5/16 | 1/4 | 5FC4NPT | 5FC4BSPP | 566 |
| 5/16 | 3/8 | 5FC6NPT | 5FC6BSPP | 566 |
| 3/8 | 1/8 | 6FC2NPT | 6FC2BSPP | 710 |
| 3/8 | 1/4 | 6FC4NPT | 6FC4BSPP | 566 |
| 3/8 | 3/8 | 6FC6NPT | 6FC6BSPP | 566 |
| 3/8 | 1/2 | 6FC8NPT | 6FC8BSPP | 546 |
| 1/2 | 1/4 | 8FC4NPT | 8FC4BSPP | 566 |
| 1/2 | 3/8 | 8FC6NPT | 8FC6BSPP | 566 |
| 1/2 | 1/2 | 8FC8NPT | 8FC8BSPP | 546 |
| 1/2 | 3/4 | 8FC12NPT | 8FC12BSPP | 515 |
| 5/8 | 1/2 | 10FC8NPT | 10FC8BSPP | 546 |
| 5/8 | 3/4 | 10FC12NPT | 10FC12BSPP | 515 |
| 3/4 | 1/2 | 12FC8NPT | 12FC8BSPP | 546 |
| 3/4 | 3/4 | 12FC12NPT | 12FC12BSPP | 515 |
| 1 | 3/4 | 16FC12NPT | 16FC12BSPP | 515 |
| 1 | 1 | 16FC16NPT | 16FC16BSPP | 381 |

## Equal Union (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 4mm | 4MU |
| 6mm | 6MU |
| 8mm | 8MU |
| 10mm | 10MU |
| 12mm | 12MU |
| 15mm | 15mU |
| 16mm | 16MU |
| 18mm | 18MU |
| 20mm | 20MU |
| 22mm | 22MU |
| 25mm | 25MU |

## Equal Union (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 1/8 | 2U |
| 3/16 | 3U |
| 1/4 | 4U |
| 5/16 | 5U |
| 3/8 | 6U |
| 1/2 | 8U |
| 5/8 | 10U |
| 3/4 | 12U |
| 1 | 16U |

## Reducing Union (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size 1 | Compression Size 2 | Code |
|---|---|---|
| 6mm | 4mm | 6MRU4 |
| 8mm | 6mm | 8MRU6 |
| 10mm | 6mm | 10MRU6 |
| 10mm | 8mm | 10MRU8 |
| 12mm | 6mm | 12MRU6 |
| 12mm | 8mm | 12MRU8 |
| 12mm | 10mm | 12MRU10 |
| 15mm | 12mm | 15mRU12 |
| 16mm | 12mm | 16MRU12 |
| 20mm | 12mm | 20MRU12 |
| 22mm | 15mm | 22mRU15 |
| 25mm | 12mm | 25MRU12 |
| 25mm | 16mm | 25MRU16 |
| 25mm | 20mm | 25MRU20 |

## Reducing Union (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size 1 | Compression Size 2 | Code |
|---|---|---|
| 1/4 | 1/8 | 4RU2 |
| 3/8 | 1/4 | 6RU4 |
| 1/2 | 1/4 | 8RU4 |
| 1/2 | 5/16 | 8RU5 |
| 1/2 | 3/8 | 8RU6 |
| 5/8 | 1/2 | 10RU8 |
| 3/4 | 1/2 | 12RU8 |
| 1 | 1/2 | 16RU8 |
| 1 | 5/8 | 16RU10 |
| 1 | 3/4 | 16RU12 |

## Bulkhead Union (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 4mm | 4MBHU |
| 6mm | 6MBHU |
| 8mm | 8MBHU |
| 10mm | 10MBHU |
| 12mm | 12MBHU |
| 15mm | 15mBHU |
| 16mm | 16MBHU |
| 18mm | 18MBHU |
| 20mm | 20MBHU |
| 22mm | 22MBHU |
| 25mm | 25MBHU |

## Bulkhead Union (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 1/8 | 2BHU |
| 3/16 | 3BHU |
| 1/4 | 4BHU |
| 5/16 | 5BHU |
| 3/8 | 6BHU |
| 1/2 | 8BHU |
| 5/8 | 10BHU |
| 3/4 | 12BHU |
| 1 | 16BHU |

## Equal Elbow (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 4mm | 4MELU |
| 6mm | 6MELU |
| 8mm | 8MELU |
| 10mm | 10MELU |
| 12mm | 12MELU |
| 15mm | 15mELU |
| 16mm | 16MELU |
| 18mm | 18MELU |
| 20mm | 20MELU |
| 22mm | 22mELU |
| 25mm | 25MELU |

## Equal Elbow (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 1/8 | 2ELU |
| 3/16 | 3ELU |
| 1/4 | 4ELU |
| 5/16 | 5ELU |
| 3/8 | 6ELU |
| 1/2 | 8ELU |
| 5/8 | 10ELU |
| 3/4 | 12ELU |
| 1 | 16ELU |

## Equal Cross (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 4mm | 4MCR |
| 6mm | 6MCR |
| 8mm | 8MCR |
| 10mm | 10MCR |
| 12mm | 12MCR |
| 15mm | 15MCR |
| 16mm | 16MCR |
| 18mm | 18MCR |
| 20mm | 20MCR |
| 22mm | 22MCR |
| 25mm | 25MCR |

## Equal Cross (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 1/8 | 2CR |
| 3/16 | 3CR |
| 1/4 | 4CR |
| 5/16 | 5CR |
| 3/8 | 6CR |
| 1/2 | 8CR |
| 5/8 | 10CR |
| 3/4 | 12CR |
| 1 | 16CR |

## Equal Tee (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 4mm | 4MTTT |
| 6mm | 6MTTT |
| 8mm | 8MTTT |
| 10mm | 10MTTT |
| 12mm | 12MTTT |
| 15mm | 15mTTT |
| 16mm | 16MTTT |
| 18mm | 18MTTT |
| 20mm | 20MTTT |
| 22mm | 22mTTT |
| 25mm | 25MTTT |

## Equal Tee (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 1/8 | 2TTT |
| 3/16 | 3TTT |
| 1/4 | 4TTT |
| 5/16 | 5TTT |
| 3/8 | 6TTT |
| 1/2 | 8TTT |
| 5/8 | 10TTT |
| 3/4 | 12TTT |
| 1 | 16TTT |

## Blanking Cap (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 4mm | 4MCAP |
| 6mm | 6MCAP |
| 8mm | 8MCAP |
| 10mm | 10MCAP |
| 12mm | 12MCAP |
| 15mm | 15MCAP |
| 16mm | 16MCAP |
| 18mm | 18MCAP |
| 20mm | 20MCAP |
| 22mm | 22MCAP |
| 25mm | 25MCAP |

## Blanking Cap (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 1/8 | 2CAP |
| 3/16 | 3CAP |
| 1/4 | 4CAP |
| 5/16 | 5CAP |
| 3/8 | 6CAP |
| 1/2 | 8CAP |
| 5/8 | 10CAP |
| 3/4 | 12CAP |
| 1 | 16CAP |

## Blanking Plug (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 4mm | 4MFPLUG |
| 6mm | 6MFPLUG |
| 8mm | 8MFPLUG |
| 10mm | 10MFPLUG |
| 12mm | 12MFPLUG |
| 15mm | 15MFPLUG |
| 16mm | 16MFPLUG |
| 18mm | 18MFPLUG |
| 20mm | 20MFPLUG |
| 22mm | 22MFPLUG |
| 25mm | 25MFPLUG |

## Blanking Plug (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 1/8 | 2FPLUG |
| 3/16 | 3FPLUG |
| 1/4 | 4FPLUG |
| 5/16 | 5FPLUG |
| 3/8 | 6FPLUG |
| 1/2 | 8FPLUG |
| 5/8 | 10FPLUG |
| 3/4 | 12FPLUG |
| 1 | 16FPLUG |

## Compression Nut (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 4mm | 4MN |
| 6mm | 6MN |
| 8mm | 8MN |
| 10mm | 10MN |
| 12mm | 12MN |
| 15mm | 15mN |
| 16mm | 16MN |
| 18mm | 18MN |
| 20mm | 20MN |
| 22mm | 22MN |
| 25mm | 25MN |

## Compression Nut (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 1/8 | 2N |
| 3/16 | 3N |
| 1/4 | 4N |
| 5/16 | 5N |
| 3/8 | 6N |
| 1/2 | 8N |
| 5/8 | 10N |
| 3/4 | 12N |
| 1 | 16N |

## Front Ferrule (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 4mm | 4MFC |
| 6mm | 6MFC |
| 8mm | 8MFC |
| 10mm | 10MFC |
| 12mm | 12MFC |
| 15mm | 15mFC |
| 16mm | 16MFC |
| 18mm | 18MFC |
| 20mm | 20MFC |
| 22mm | 22mFC |
| 25mm | 25MFC |

## Front Ferrule (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 1/8 | 2FC |
| 3/16 | 3FC |
| 1/4 | 4FC |
| 5/16 | 5FC |
| 3/8 | 6FC |
| 1/2 | 8FC |
| 5/8 | 10FC |
| 3/4 | 12FC |
| 1 | 16FC |

## Rear Ferrule (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 4mm | 4MRC |
| 6mm | 6MRC |
| 8mm | 8MRC |
| 10mm | 10MRC |
| 12mm | 12MRC |
| 15mm | 15mRC |
| 16mm | 16MRC |
| 18mm | 18MRC |
| 20mm | 20MRC |
| 22mm | 22mRC |
| 25mm | 25MRC |

## Rear Ferrule (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size | Code |
|---|---|
| 1/8 | 2RC |
| 3/16 | 3RC |
| 1/4 | 4RC |
| 5/16 | 5RC |
| 3/8 | 6RC |
| 1/2 | 8RC |
| 5/8 | 10RC |
| 3/4 | 12RC |
| 1 | 16RC |

## Male Bulkhead (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 6-12mm
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 6mm | 1/8 | 6MMBH2NPT | 6MMBH2BSPT | 710 |
| 6mm | 1/4 | 6MMBH4NPT | 6MMBH4BSPT | 566 |
| 10mm | 1/4 | 10MMBH4NPT | 10MMBH4BSPT | 566 |
| 12mm | 1/4 | 12MMBH4NPT | 12MMBH4BSPT | 566 |
| 12mm | 1/2 | 12MMBH8NPT | 12MMBH8BSPT | 546 |

## Male Bulkhead (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/4-1/2”
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 1/4 | 1/8 | 4MBH2NPT | 4MBH2BSPT | 710 |
| 1/4 | 1/4 | 4MBH4NPT | 4MBH4BSPT | 566 |
| 3/8 | 1/4 | 6MBH4NPT | 6MBH4BSPT | 566 |
| 1/2 | 1/4 | 8MBH4NPT | 8MBH4BSPT | 566 |
| 1/2 | 1/2 | 8MBH8NPT | 8MBH8BSPT | 546 |

## Female Bulkhead (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 6-12mm
- NPT female thread to ANSI B2.1
- BSPP female thread to ISO 228/1

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPP | |
| 6mm | 1/8 | 6mFBH2NPT | 6mFBH2BSPP | 710 |
| 6mm | 1/4 | 6mFBH4NPT | 6mFBH4BSPP | 566 |
| 8mm | 1/4 | 8MFBH4NPT | 8MFBH4BSPP | 566 |
| 10mm | 1/4 | 10mFBH4NPT | 10mFBH4BSPP | 566 |
| 12mm | 1/4 | 12mFBH4NPT | 12mFBH4BSPP | 566 |
| 12mm | 1/2 | 12mFBH8NPT | 12mFBH8BSPP | 546 |

## Female Bulkhead (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/4-1/2"
- NPT female thread to ANSI B2.1
- BSPP female thread to ISO 228/1

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPP | |
| 1/4 | 1/8 | 4FBH2NPT | 4FBH2BSPP | 710 |
| 1/4 | 1/4 | 4FBH4NPT | 4FBH4BSPP | 566 |
| 3/8 | 1/4 | 6FBH4NPT | 6FBH4BSPP | 566 |
| 1/2 | 1/4 | 8FBH4NPT | 8FBH4BSPP | 566 |
| 1/2 | 1/2 | 8FBH8NPT | 8FBH8BSPP | 546 |

## Standpipe Reducing Adaptor (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube
- NPT male thread to ANSI B2.1
- BSPP male thread to ISO 228/1

| Compression Size | Standpipe Size | Code |
|---|---|---|
| 4mm | 6mm | 4MRED6 |
| 6mm | 8mm | 6MRED8M |
| 6mm | 10mm | 6MRED10M |
| 6mm | 12mm | 6MRED12M |
| 8mm | 10mm | 8MRED10 |
| 8mm | 12mm | 8MRED12 |
| 10mm | 12mm | 10MRED12M |
| 12mm | 16mm | 12MRED16 |
| 16mm | 25mm | 16MRED25 |
| 20mm | 25mm | 20MRED25 |

## Standpipe Reducing Adaptor (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1"
- Maximum pressure determined by the tube
- NPT male thread to ANSI B2.1
- BSPP male thread to ISO 228/1

| Compression Size | Standpipe Size | Code |
|---|---|---|
| 1/8 | 1/4 | 2RED4 |
| 1/8 | 3/8 | 2RED6 |
| 1/4 | 1/8 | 4RED2 |
| 1/4 | 3/8 | 4RED6 |
| 1/4 | 1/2 | 4RED8 |
| 5/16 | 1/2 | 5RED8 |
| 3/8 | 1/4 | 6RED4 |
| 3/8 | 1/2 | 6RED8 |
| 1/2 | 1/4 | 8RED4 |
| 1/2 | 3/8 | 8RED6 |
| 1/2 | 3/4 | 8RED12 |
| 1/2 | 1 | 8RED16 |
| 5/8 | 1 | 10RED16 |
| 3/4 | 1 | 12RED16 |

## Male Standpipe Adaptor (metric)

- Compression sizes to suit metric OD tube
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1
- BSPP male thread to ISO 228/1
- Sizes from 4-25mm

| Compression Size | Thread | Code | | | |
|---|---|---|---|---|---|
| | | NPT | BSPT | BSPP | Working Pressure (Bar) |
| 4mm | 1/8 | 4MATPM2NPT | 4MATPM2BSPT | 4MATPM2BSPP | 710 |
| 6mm | 1/8 | 6MATPM2NPT | 6MATPM2BSPT | 6MATPM2BSPP | 710 |
| 6mm | 1/4 | 6MATPM4NPT | 6MATPM4BSPT | 6MATPM4BSPP | 566 |
| 6mm | 1/2 | 6MATPM8NPT | 6MATPM8BSPT | - | 566 |
| 8mm | 1/8 | 8MATPM2BSPT | 8MATPM2BSPT | - | 546 |
| 8mm | 1/4 | 8MATPM4NPT | 8MATPM4BSPT | 8MATPM4BSPP | 566 |
| 8mm | 3/8 | 8MATPM6NPT | 8MATPM6BSPT | - | 566 |
| 10mm | 1/4 | 10MATPM4NPT | 10MATPM4BSPT | 10MATPM4BSPP | 566 |
| 10mm | 3/8 | 10MATPM6NPT | 10MATPM6BSPT | 10MATPM6BSPP | 566 |
| 10mm | 1/2 | 10MATPM8NPT | 10MATPM8BSPT | 10MATPM8BSPP | 546 |
| 12mm | 1/4 | 12MATPM4NPT | 12MATPM4BSPT | 12MATPM4BSPP | 566 |
| 12mm | 3/8 | 12MATPM6NPT | 12MATPM6BSPT | 12MATPM6BSPP | 566 |
| 12mm | 1/2 | 12MATPM8NPT | 12MATPM8BSPT | 12MATPM8BSPP | 546 |
| 12mm | 3/4 | 12MATPM12NPT | 12MATPM12BSPT | - | 515 |
| 16mm | 1/2 | 16MATPM8NPT | 16MATPM8BSPT | 16MATPM8BSPP | 546 |
| 16mm | 3/4 | 16MATPM12NPT | 16MATPM12BSPT | - | 515 |
| 20mm | 1/2 | 20MATPM8NPT | 20MATPM8BSPT | - | 546 |
| 20mm | 3/4 | 20MATPM12NPT | 20MATPM12BSPT | 20MATPM12BSPP | 515 |
| 20mm | 1 | 20MATPM16NPT | 20MATPM16BSPT | - | 381 |
| 22mm | 1/2 | 22MATPM8NPT | 22MATPM8BSPT | - | 546 |
| 22mm | 3/4 | 22MATPM12NPT | 22MATPM12BSPT | - | 515 |
| 22mm | 1 | 22MATPM16NPT | 22MATPM16BSPT | - | 381 |
| 25mm | 3/4 | 25MATPM12NPT | 25MATPM12BSPT | - | 515 |

## Male Standpipe Adaptor (imperial)

- Compression sizes to suit imperial OD tube
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1
- BSPP male thread to ISO 228/1
- Sizes from 1/8-1”

| Compression Size | Thread | Code | | | Working Pressure (Bar) |
|---|---|---|---|---|---|
| | | NPT | BSPT | BSPP | |
| 1/8 | 1/8 | 2ATPM2NPT | 2ATPM2BSPT | 2ATPM2BSPP | 710 |
| 3/16 | 1/8 | 3ATPM2NPT | 3ATPM2BSPT | - | 710 |
| 1/4 | 1/8 | 4ATPM2NPT | 4ATPM2BSPT | 4ATPM2BSPP | 710 |
| 1/4 | 1/4 | 4ATPM4NPT | 4ATPM4BSPT | 4ATPM4BSPP | 566 |
| 1/4 | 3/8 | 4ATPM6NPT | 4ATPM6BSPT | - | 566 |
| 1/4 | 1/2 | 4ATPM8NPT | 4ATPM8BSPT | - | 546 |
| 5/16 | 1/4 | 5ATPM4NPT | 5ATPM4BSPT | - | 566 |
| 3/8 | 1/8 | 6ATPM2NPT | 6ATPM4BSPT | 6ATPM6BSPP | 566 |
| 3/8 | 1/4 | 6ATPM4NPT | 6ATPM4BSPT | 6ATPM8BSPP | 566 |
| 3/8 | 3/8 | 6ATPM6NPT | 6ATPM6BSPT | - | 566 |
| 3/8 | 1/2 | 6ATPM8NPT | 6ATPM8BSPT | - | 546 |
| 1/2 | 1/4 | 8ATPM4NPT | 8ATPM4BSPT | 8ATPM4BSPP | 566 |
| 1/2 | 3/8 | 8ATPM6NPT | 8ATPM6BSPT | 8ATPM6BSPP | 566 |
| 1/2 | 1/2 | 8ATPM8NPT | 8ATPM8BSPT | 8ATPM8BSPP | 546 |
| 1/2 | 3/4 | 8ATPM12NPT | 8ATPM12BSPT | - | 515 |
| 3/4 | 1/2 | 12ATPM8NPT | 12ATPM8BSPT | - | 546 |
| 3/4 | 3/4 | 12ATPM12NPT | 12ATPM12BSPT | 12ATPM12BSPP | 515 |
| 3/4 | 1 | 12ATPM16NPT | 12ATPM16BSPT | - | 381 |
| 1 | 3/4 | 16ATPM12NPT | 16ATPM12BSPT | - | 515 |
| 1 | 1 | 16ATPM16NPT | 16ATPM16BSPT | 16ATPM16BSPP | 381 |

## Female Standpipe Adaptor (metric)

- Compression sizes to suit metric OD tube
- NPT female thread to ANSI B2.1
- BSPP female thread to ISO 228/1
- Sizes from 4-25mm

| Standpipe Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPP | |
| 4mm | 1/8 | 4MATPF2NPT | 4MATPF2BSPP | 710 |
| 6mm | 1/8 | 6MATPF2NPT | 6MATPF2BSPP | 710 |
| 6mm | 1/4 | 6MATPF4NPT | 6MATPF4BSPP | 566 |
| 6mm | 3/8 | - | 6MATPF6BSPP | 566 |
| 6mm | 1/2 | - | 6MATPF8BSPP | 546 |
| 8mm | 1/4 | 8MATPF4NPT | 8MATPF4BSPP | 566 |
| 8mm | 3/8 | 8MATPF6NPT | 8MATPF6BSPP | 566 |
| 10mm | 1/4 | 10MATPF4NPT | 10MATPF4BSPP | 566 |
| 10mm | 3/8 | 10MATPF6NPT | 10MATPF6BSPP | 566 |
| 10mm | 1/2 | 10MATPF8NPT | 10MATPF8BSPP | 546 |
| 12mm | 1/4 | 12MATPF4NPT | 12MATPF4BSPP | 566 |
| 12mm | 3/8 | 12MATPF6NPT | 12MATPF6BSPP | 566 |
| 12mm | 1/2 | 12MATPF8NPT | 12MATPF8BSPP | 546 |
| 16mm | 1/2 | 16MATPF8NPT | 16MATPF8BSPP | 546 |
| 20mm | 1/2 | 20MATPF8NPT | - | 546 |
| 20mm | 3/4 | 20MATPF12NPT | 20MATPF12BSPP | 515 |
| 25mm | 1 | 25MATPF16NPT | 25MATPF16BSPP | 381 |

## Female Standpipe Adaptor (imperial)

- Compression sizes to suit imperial OD tube
- NPT male thread to ANSI B2.1
- BSPP male thread to ISO 228/1
- Sizes from 1/4-3/4”

| Standpipe Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPP | |
| 1/4 | 1/8 | 4ATPF2NPT | 4ATPF2BSPP | 710 |
| 1/4 | 1/4 | 4ATPF4NPT | 4ATPF4BSPP | 566 |
| 1/4 | 3/8 | 4ATPF6NPT | - | 566 |
| 1/4 | 1/2 | 4ATPF8NPT | - | 546 |
| 5/16 | 1/4 | 5ATPF4NPT | - | 566 |
| 5/16 | 3/8 | 5ATPF6NPT | - | 566 |
| 3/8 | 1/4 | 6ATPF4NPT | 6ATPF4BSPP | 566 |
| 3/8 | 3/8 | 6ATPF6NPT | 6ATPF6BSPP | 566 |
| 3/8 | 1/2 | 6ATPF8NPT | - | 546 |
| 1/2 | 1/4 | 8ATPF4NPT | - | 566 |
| 1/2 | 3/8 | 8ATPF6NPT | 8ATPF6BSPP | 566 |
| 1/2 | 1/2 | 8ATPF8NPT | 8ATPF8BSPP | 546 |
| 3/4 | 1/2 | 12ATPF8NPT | - | 546 |
| 3/4 | 3/4 | 16ATPF12NPT | - | 515 |

## Male Stud Elbow (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1
- Sizes from 4-25mm

| Standpipe Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 4mm | 1/8 | 4mME2NPT | 4mME2BSPT | 710 |
| 6mm | 1/8 | 6MME2NPT | 6MME2BSPT | 710 |
| 6mm | 1/4 | 6MME4NPT | 6MME4BSPT | 566 |
| 6mm | 3/8 | 6MME6NPT | 6MME6BSPT | 566 |
| 6mm | 1/2 | 6MME8NPT | 6MME8BSPT | 546 |
| 8mm | 1/8 | 8MME2NPT | 8MME2BSPT | 710 |
| 8mm | 1/4 | 8MME4NPT | 8MME4BSPT | 566 |
| 8mm | 3/8 | 8MME6NPT | 8MME6BSPT | 566 |
| 8mm | 1/4 | 8MME8NPT | 8MME8BSPT | 546 |
| 10mm | 1/8 | 10MME2NPT | 10MME2BSPT | 710 |
| 10mm | 1/4 | 10MME4NPT | 10MME4BSPT | 566 |
| 10mm | 3/8 | 10MME6NPT | 10MME6BSPT | 566 |
| 10mm | 1/2 | 10MME8NPT | 10MME8BSPT | 546 |
| 12mm | 1/4 | 12MME4NPT | 12MME4BSPT | 566 |
| 12mm | 3/8 | 12MME6NPT | 12MME6BSPT | 566 |
| 12mm | 1/2 | 12MME8NPT | 12MME8BSPT | 546 |
| 12mm | 3/4 | 12MME12NPT | 12MME12BSPT | 515 |
| 15mm | 3/8 | 15mME6NPT | 15mME6BSPT | 566 |
| 15mm | 1/2 | 15mME8NPT | 15mME8BSPT | 546 |
| 16mm | 1/2 | 16mME8NPT | 16mME8BSPT | 546 |
| 20mm | 1/2 | 20mME8NPT | 20mME8BSPT | 546 |
| 20mm | 3/4 | 20mME12NPT | 20mME12BSPT | 515 |
| 22mm | 1/2 | 22mME8NPT | 22mME8BSPT | 546 |
| 22mm | 3/4 | 22mME12NPT | 22mME12BSPT | 515 |
| 25mm | 3/4 | 25mME12NPT | 25mME12BSPT | 515 |
| 25mm | 1 | 25mME16NPT | 25mME16BSPT | 381 |

## Male Stud Elbow (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1
- Sizes from 1/8-1”

| Standpipe Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 1/8 | 1/8 | 2ME2NPT | 2ME2BSPT | 710 |
| 1/8 | 1/4 | 2ME4NPT | 2ME4BSPT | 566 |
| 3/16 | 1/8 | 3ME2NPT | 3ME2BSPT | 710 |
| 1/4 | 1/8 | 4ME2NPT | 4ME2BSPT | 710 |
| 1/4 | 1/4 | 4ME4NPT | 4ME4BSPT | 566 |
| 1/4 | 3/8 | 4ME6NPT | 4ME6BSPT | 566 |
| 1/4 | 1/2 | 4ME8NPT | 4ME8BSPT | 546 |
| 5/16 | 1/4 | 5ME4NPT | 5ME4BSPT | 566 |
| 5/16 | 3/8 | 5ME6NPT | 5ME6BSPT | 566 |
| 3/8 | 1/8 | 6ME2NPT | 6ME2BSPT | 710 |
| 3/8 | 1/4 | 6ME4NPT | 6ME4BSPT | 566 |
| 3/8 | 3/8 | 6ME6NPT | 6ME6BSPT | 566 |
| 3/8 | 1/2 | 6ME8NPT | 6ME8BSPT | 546 |
| 1/2 | 1/4 | 8ME4NPT | 8ME4BSPT | 566 |
| 1/2 | 3/8 | 8ME6NPT | 8ME6BSPT | 566 |
| 1/2 | 1/2 | 8ME8NPT | 8ME8BSPT | 546 |
| 5/8 | 1/2 | 10ME8NPT | 10ME8BSPT | 546 |
| 3/4 | 1/2 | 12ME8NPT | 12ME8BSPT | 546 |
| 3/4 | 3/4 | 12ME12NPT | 12ME12BSPT | 515 |
| 1 | 3/4 | 16ME12NPT | 16ME12BSPT | 515 |
| 1 | 1 | 16ME16NPT | 16ME16BSPT | 381 |

## Female Stud Elbow (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- NPT female thread to ANSI B2.1
- BSPP female thread to ISO 228/1
- Sizes from 6-20mm

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPP | |
| 6mm | 1/8 | 6mFE2NPT | 6mFE2BSPP | 710 |
| 6mm | 1/4 | 6mFE4NPT | 6mFE4BSPP | 566 |
| 10mm | 1/4 | 10mFE4NPT | 10mFE4BSPP | 566 |
| 12mm | 1/4 | 12mFE4NPT | 12mFE4BSPP | 566 |
| 12mm | 1/2 | 12mFE8NPT | 12mFE8BSPP | 546 |
| 20mm | 3/4 | 20mFE12NPT | 20mFE12BSPP | 515 |

## Female Stud Elbow (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- NPT female thread to ANSI B2.1
- BSPP female thread to ISO 228/1
- Sizes from 1/4-3/4”

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPP | |
| 1/4 | 1/8 | 4FE2NPT | 4FE2BSPP | 710 |
| 1/4 | 1/4 | 4FE4NPT | 4FE4BSPP | 566 |
| 3/8 | 1/4 | 6FE4NPT | 6FE4BSPP | 566 |
| 3/8 | 3/8 | 6FE6NPT | - | 566 |
| 1/2 | 1/4 | 8FE4NPT | 8FE4BSPP | 566 |
| 1/2 | 1/2 | 8FE8NPT | 8FE8BSPP | 546 |
| 3/4 | 3/4 | 12FE12NPT | 12FE12BSPP | 515 |

## Male Branch Tee (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1
- Sizes from 6-25mm

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 6mm | 1/8 | 6mTTM2NPT | 6mTTM2BSPT | 710 |
| 6mm | 1/4 | 6mTTM4NPT | 6mTTM4BSPT | 566 |
| 10mm | 1/4 | 10mTTM4NPT | 10MTTM4BSPT | 566 |
| 12mm | 3/8 | 12mTTM6NPT | 12mTTM6BSPT | 566 |
| 12mm | 1/2 | 12mTTM8NPT | 12mTTM8BSPT | 546 |
| 15mm | 1/2 | 15mTTM8NPT | 15mTTM8BSPT | 546 |
| 16mm | 1/2 | 16mTTM8NPT | 16mTTM8BSPT | 546 |
| 20mm | 1/2 | 20mTTM8NPT | 20mTTM8BSPT | 546 |
| 20mm | 3/4 | 20mTTM12NPT | 20mTTM12BSPT | 515 |
| 22mm | 1/2 | 22mTTM8NPT | 22mTTM8BSPT | 546 |
| 22mm | 3/4 | 22mTTM12NPT | 22mTTM12BSPT | 515 |
| 25mm | 3/4 | 25mTTM12NPT | 25mTTM12BSPT | 515 |

## Male Branch Tee (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1
- Sizes from 1/4-1”

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 1/4 | 1/8 | 4TTM2NPT | 4TTM2BSPT | 710 |
| 1/4 | 1/4 | 4TTM4NPT | 4TTM4BSPT | 566 |
| 3/8 | 1/4 | 6TTM4NPT | 6TTM4BSPT | 566 |
| 3/8 | 3/8 | - | 6TTM6BSPT | 566 |
| 1/2 | 1/4 | 8TTM4NPT | 8TTM4BSPT | 566 |
| 1/2 | 3/8 | 8TTM6NPT | 8TTM6BSPT | 566 |
| 1/2 | 1/2 | 8TTM8NPT | 8TTM8BSPT | 546 |
| 5/8 | 1/2 | 10TTM8NPT | 10TTM8BSPT | 546 |
| 3/4 | 1/2 | 12TTM8NPT | 12TTM8BSPT | 546 |
| 3/4 | 3/4 | 12TTM12NPT | 12TTM12BSPT | 515 |
| 1 | 3/4 | 16TTM12NPT | 16TTM12BSPT | 515 |

## Female Branch Tee (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- NPT female thread to ANSI B2.1
- BSPP female thread to ISO 228/1
- Sizes from 6-20mm

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 6mm | 1/8 | 6mTTF2NPT | 6mTTF2BSPP | 710 |
| 6mm | 1/4 | 6mTTF4NPT | 6mTTF4BSPP | 566 |
| 8mm | 1/8 | 8mTTF2NPT | 8mTTF2BSPP | 710 |
| 8mm | 1/4 | 8mTTF4NPT | 8mTTF4BSPP | 566 |
| 10mm | 1/4 | 10mTTF4NPT | 10mTTF4BSPP | 566 |
| 12mm | 1/4 | 12mTTF4NPT | 12mTTF4BSPP | 566 |
| 12mm | 1/2 | 12mTTF6NPT | 12mTTF6BSPP | 546 |
| 16mm | 1/2 | 16mTTF8NPT | 16mTTF8BSPP | 546 |

## Female Branch Tee (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- NPT female thread to ANSI B2.1
- BSPP female thread to ISO 228/1
- Sizes from 1/4-3/4”

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 1/8 | 1/8 | 2TTF2NPT | 2TTF2BSPP | 710 |
| 1/4 | 1/8 | 4TTF2NPT | 4TTF2BSPP | 710 |
| 1/4 | 1/4 | 4TTF4NPT | 4TTF4BSPP | 566 |
| 3/8 | 1/4 | 6TTF4NPT | 6TTF4BSPP | 566 |
| 1/2 | 1/4 | 8TTF6NPT | 8TTF6BSPP | 566 |
| 1/2 | 1/2 | 8TTF8NPT | 8TTF8BSPP | 546 |
| 5/8 | 1/2 | 10TTF8NPT | 10TTF8BSPP | 546 |
| 3/4 | 3/4 | 12TTF12NPT | 12TTF12BSPP | 515 |

## Male Run Tee (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1
- Sizes from 6-20mm

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 6mm | 1/8 | 6mTMT2NPT | 6mTMT2BSPT | 710 |
| 6mm | 1/4 | 6mTMT4NPT | 6mTMT4BSPT | 566 |
| 10mm | 1/4 | 10mTMT4NPT | 10mTMT4BSPT | 566 |
| 12mm | 3/8 | 12mTMT6NPT | 12mTMT6BSPT | 566 |
| 12mm | 1/2 | 12mTMT8NPT | 12mTMT8BSPT | 546 |
| 16mm | 1/2 | 16mTMT8NPT | 16mTMT8BSPT | 546 |
| 20mm | 1/2 | 20mTMT8NPT | 20mTMT8BSPT | 546 |
| 20mm | 3/4 | 20mTMT12NPT | 20mTMT12BSPT | 515 |

## Male Run Tee (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- NPT male thread to ANSI B2.1
- BSPT male thread to ISO 7/1
- Sizes from 1/4-3/4”

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 1/4 | 1/8 | 4TMT2NPT | 4TMT2BSPT | 710 |
| 1/4 | 1/4 | 4TMT4NPT | 4TMT4BSPT | 566 |
| 3/8 | 1/4 | 6TMT4NPT | 6TMT4BSPT | 566 |
| 1/2 | 1/4 | 8TMT6NPT | 8TMT6BSPT | 566 |
| 1/2 | 3/8 | 8TMT8NPT | 8TMT8BSPT | 566 |
| 5/8 | 1/2 | 10TMT8NPT | 10TMT8BSPT | 546 |
| 3/4 | 1/2 | 12TMT8NPT | 12TMT8BSPT | 546 |
| 3/4 | 3/4 | 12TMT12NPT | 12TMT12BSPT | 515 |

## Female Run Tee (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- NPT female thread to ANSI B2.1
- BSPP female thread to ISO 228/1
- Sizes from 6-12mm

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 6mm | 1/4 | 6mTFT4NPT | 6mTFT4BSPP | 566 |
| 8mm | 1/8 | 8mTFT2NPT | 8mTFT2BSPP | 710 |
| 8mm | 1/4 | 8mTFT4NPT | 8mTFT4BSPP | 566 |
| 10mm | 1/4 | 10mTFT4NPT | 10mTFT4BSPP | 566 |
| 12mm | 1/4 | 12mTFT4NPT | 12mTFT4BSPP | 566 |
| 12mm | 3/8 | 12mTFT6NPT | 12mTFT6BSPP | 566 |

## Female Run Tee (imperial)

- Compression sizes to suit imperial OD tube
- Supplied with nuts and ferrules
- NPT female thread to ANSI B2.1
- BSPP female thread to ISO 228/1
- Sizes from 1/4-1/2”

| Compression Size | Thread | Code | | Max Pressure (Bar) |
|---|---|---|---|---|
| | | NPT | BSPT | |
| 1/8 | 1/8 | 2TFT2NPT | 2TFT2BSPP | 710 |
| 1/4 | 1/8 | 4TFT2NPT | 4TFT2BSPP | 710 |
| 1/4 | 1/4 | 4TFT4NPT | 4TFT4BSPP | 566 |
| 3/8 | 1/4 | 6TFT4NPT | 6TFT4BSPP | 566 |
| 1/2 | 1/4 | 8TFT6NPT | 8TFT6BSPP | 566 |
| 1/2 | 1/2 | 8TFT8NPT | 8TFT8BSPP | 546 |

## Reducing Branch Tee (metric)

- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 4-25mm
- Maximum pressure determined by the tube

| Compression Size 1 | Compression Size 2 | Code |
|---|---|---|
| 6mm | 4mm | 6M6M4MTTT |
| 8mm | 6mm | 8M8M6MTTT |
| 10mm | 6mm | 10M10M6MTTT |
| 10mm | 8mm | 10M10M8MTTT |
| 12mm | 6mm | 12M12M6MTTT |
| 12mm | 8mm | 12M12M8MTTT |
| 12mm | 10mm | 12M12M10MTTT |
| 15mm | 10mm | 15M15M10MTTT |
| 15mm | 12mm | 15M15M12MTTT |

## Reducing Branch Tee (imperial)

- Reducing branch tee (imperial)
- Compression sizes to suit metric OD tube
- Supplied with nuts and ferrules
- Sizes from 1/8-1”
- Maximum pressure determined by the tube

| Compression Size 1 | Compression Size 2 | Code |
|---|---|---|
| 1/4 | 1/8 | 442TTT |
| 3/8 | 1/4 | 664TTT |
| 1/2 | 1/4 | 884TTT |
| 1/2 | 3/8 | 886TTT |
| 3/4 | 1/2 | 12128TTT |
| 1 | 1/2 | 16168TTT |
| 1 | 3/4 | 161612TTT |

## Assembly Paste

- Supplied with application brush

| Code | Size |
|---|---|
| SMP125G | 125g |

SECTION 12

# SEAMLESS OD TUBE AND CLAMPS

/12

NERO's range of seamless tube is to ASTM A269/A213 and is available in 316/L material.

We keep all sizes in full random lengths (6 metres) and sell by the metre, this enables us to supply lengths as short as 1 metre long. We can also offer and accurate cutting service on any of our tube to a tolerance of +/- 1mm.

## Metric OD Tube

- Stocked in 6 metre lengths
- Purchased by the metre
- ASTM A269/A213
- Made from 316/L
- 3.1b Material certificates available upon request

| Size (mm) | | Code | Max Working Pressure (Bar) |
|---|---|---|---|
| OD | Wall | | |
| 4 | 1 | 041316S | 645 |
| 6 | 1 | 061316S | 430 |
| 6 | 1.5 | 061.5316S | 645 |
| 6 | 2 | 062316S | 856 |
| 8 | 1 | 081316S | 322 |
| 8 | 1.5 | 081.5316S | 483 |
| 8 | 2 | 082316S | 645 |
| 10 | 1 | 101316S | 258 |
| 10 | 1.5 | 101.5316S | 387 |
| 10 | 2 | 102.0316S | 516 |
| 12 | 1 | 121316S | 215 |
| 12 | 1.5 | 121.5316S | 322 |
| 12 | 2 | 122.0316S | 430 |
| 14 | 1 | 141316S | 183 |
| 14 | 1.5 | 141.5316S | 275 |
| 14 | 2 | 142316S | 368 |
| 15 | 1 | 151316S | 172 |
| 15 | 1.5 | 151.5316S | 258 |
| 15 | 2 | 152.0316S | 344 |
| 16 | 1 | 161316 | 161 |
| 16 | 1.5 | 161.5316S | 242 |
| 16 | 2 | 162.0316S | 322 |
| 16 | 2.5 | 162.5316S | 401 |
| 18 | 1.5 | 181.5316S | 215 |
| 18 | 2 | 182316S | 287 |

| Size (mm) | | Code | Max Working Pressure (Bar) |
|---|---|---|---|
| OD | Wall | | |
| 20 | 1.5 | 201.5316S | 193 |
| 20 | 2 | 202.0316S | 258 |
| 20 | 2.5 | 202.5316S | 321 |
| 20 | 3 | 203.0316SS | 385 |
| 22 | 1.5 | 221.5316S | 176 |
| 22 | 2 | 222.0316S | 234 |
| 25 | 1.5 | 251.5316S | 155 |
| 25 | 2 | 252.0316S | 206 |
| 25 | 2.5 | 252.5316S | 257 |
| 25 | 3 | 253.0316S | 308 |
| 28 | 1.5 | 281.5316S | 138 |
| 28 | 2.5 | 282.5316S | 229 |
| 28 | 2 | 282316S | 183 |
| 30 | 2 | 302316S | 171 |
| 30 | 3 | 303316S | 258 |
| 30 | 4 | 304.0316SS | 342 |
| 35 | 2 | 352316S | 147 |
| 35 | 3 | 353.0316SS | 220 |
| 38 | 3 | 383316S | 204 |
| 38 | 4 | 384316S | 270 |
| 38 | 5 | 385316S | 338 |
| 42 | 3 | 423316S | 184 |

## Imperial OD Tube

- Stocked in 6 metre lengths
- Purchased by the metre
- ASTM A269/A213
- Made from 316/L
- 3.1b Material certificates available upon request

| Size | | | | | Code | Maximum Working Pressure (Bar) |
|---|---|---|---|---|---|---|
| OD (inches) | OD (mm) | Gauge | Wall (inches) | Wall (mm) | | |
| 1/8 | 3.18 | 20 | 0.036 | 0.89 | 0.12520316S | 718 |
| 3/16 | 4.76 | 18 | 0.048 | 1.24 | 0.187518316S | 669 |
| 3/16 | 4.76 | 20 | 0.036 | 0.89 | 0.187520316S | 480 |
| 1/4 | 6.35 | 16 | 0.065 | 1.65 | 0.2516316S | 667 |
| 1/4 | 6.35 | 18 | 0.048 | 1.24 | 0.2518316S | 501 |
| 1/4 | 6.35 | 20 | 0.036 | 0.89 | 0.2520316S | 360 |
| 3/8 | 9.53 | 16 | 0.064 | 1.65 | 0.37516316S | 444 |
| 3/8 | 9.53 | 18 | 0.048 | 1.24 | 0.37518316S | 334 |
| 3/8 | 9.53 | 20 | 0.036 | 0.89 | 0.37520316S | 240 |
| 1/2 | 12.7 | 14 | 0.083 | 2.11 | 0.514316S | 426 |
| 1/2 | 12.7 | 16 | 0.065 | 1.65 | 0.516316S | 333 |
| 1/2 | 12.7 | 18 | 0.048 | 1.24 | 0.518316S | 251 |
| 1/2 | 12.7 | 20 | 0.036 | 0.89 | 0.520316S | 180 |
| 5/8 | 15.88 | 18 | 0.048 | 1.24 | 0.62518316S | 200 |
| 5/8 | 15.88 | 20 | 0.036 | 0.89 | 0.62530316S | 144 |
| 3/4 | 19.05 | 14 | 0.083 | 2.11 | 0.7514316S | 284 |
| 3/4 | 19.05 | 16 | 0.065 | 1.65 | 0.7516316S | 222 |
| 3/4 | 19.05 | 18 | 0.048 | 1.24 | 0.7518316S | 167 |
| 3/4 | 19.05 | 20 | 0.036 | 0.89 | 0.7520316S | 120 |
| 1 | 25.4 | 14 | 0.083 | 2.11 | 1.014316S | 218 |
| 1 | 25.4 | 16 | 0.065 | 1.65 | 1.016316S | 167 |
| 1 | 25.4 | 18 | 0.048 | 1.24 | 1.018316S | 125 |
| 1 | 25.4 | 20 | 0.036 | 0.89 | 1.020316S | 90 |

## Saddle Tube Clip

- Made from 304 Stainless steel
- Made to suit Imperial and metric OD tube

| Tube Size | Code |
|---|---|
| 1/4”/6mm | STC0.25 |
| 5/16”/8mm | STC08M |
| 3/8”/10mm | STC10M |
| 1/2”/12mm | STC0.5 |
| 15mm | STC15M |
| 5/8”/16mm | STC16M |
| 18mm | STC18M |
| 3/4” | STC0.75 |
| 20mm | STC20M |
| 7/8”/22mm | STC22M |
| 1”/25mm | STC1.0 |
| 28mm | STC28M |
| 1-1/4”/32mm | STC32M |
| 35mm | STC35M |
| 1-1/2”/38mm | STC38M |
| 42mm | STC42M |

## P-Clip (half saddle)

- Made from 304 Stainless steel
- Made to suit Imperial and metric OD tube

| Tube Size | Code |
|---|---|
| 1/4”/6mm | PC14-1 |
| 5/16”/8mm | PC516-1 |
| 3/8”/10mm | PC38-1 |
| 1/2”/12mm | PC12-1 |
| 5/8/16mm | PC58-1 |

NERO

PIPELINE CONNECTIONS

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