



NS Series non-spill couplings are designed to minimize spillage and air inclusion when connecting or disconnecting. Couplers and nipples are steel with nitrile seals. 1/2 inch through 1 inch sizes utilize a PTFE back-up ring as additional support to the interface seal.

### Features:

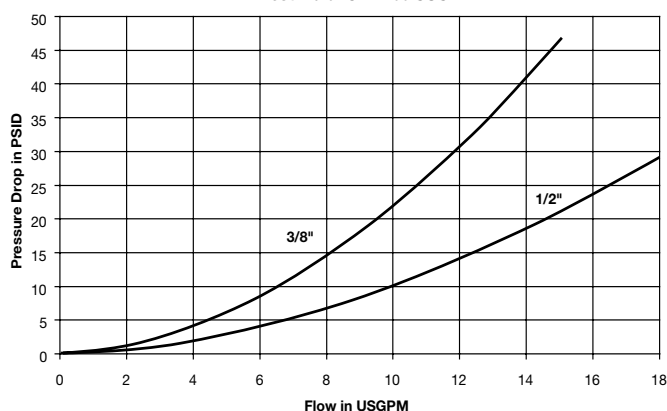
- Rated pressure up to 2500 psi
- Positive valve stop prevents flow checking
- Heat treated steel nipple and heavy duty sleeve withstand pressure surges
- Standard sleeve lock guards against accidental disconnection
- Couplings have protective zinc with clear trivalent chromate finish
- Standard end configurations include female pipe, straight thread ORB, and BSPP
- Alternative seal materials available

### Applications:

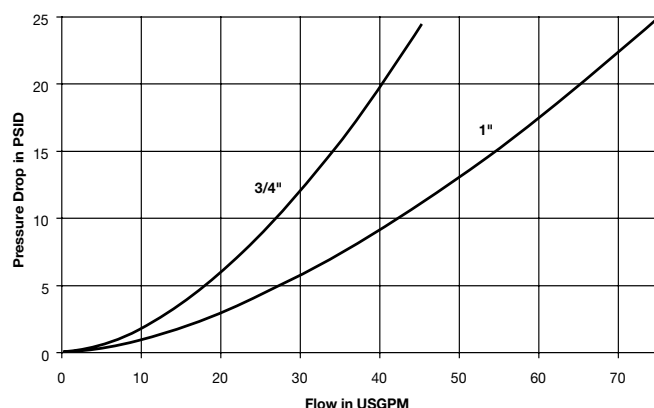
- Hydraulic hand tools
- Utility equipment
- Mining equipment

### Performance

NS Series (3/8" & 1/2")  
Test Fluid: Oil - 200 SUS



NS Series (3/4" & 1")  
Test Fluid: Oil - 200 SUS



### Specifications

| Body Size                                | 3/8            | 1/2   | 3/4   | 1     |
|------------------------------------------|----------------|-------|-------|-------|
| Rated Pressure (psi)                     | 2,500          |       |       |       |
| Rated Flow (gpm)                         | 10             | 12    | 30    | 50    |
| Temperature Range (std seals)            | -40° to +250°F |       |       |       |
| Spillage (ml) (max. per disconnect)      | 0.020          | 0.070 | 0.150 | 0.220 |
| Air Inclusion (ml) (max. per disconnect) | 0.010          | 0.020 | 0.050 | 0.070 |

### NS Series Dust Plug/Caps



| Body Size | Dust Plug/Cap Rubber |
|-----------|----------------------|
| 3/8       | NR-37                |
| 1/2       | NR-50                |
| 3/4       | NR-75                |
| 1         | NR-100               |



### NS Series Couplers



| Body Size | Part Number Steel | Thread Size   | Length | Largest Diameter | Wrench Flats | Weight (lbs.) |
|-----------|-------------------|---------------|--------|------------------|--------------|---------------|
| 3/8       | NS-371-6FP        | 3/8-18 NPSF   | 2.10   | 1.13             | 1.06         | 0.36          |
| 3/8       | NS-371-6FB        | G3/8 BSPP     | 2.10   | 1.13             | 1.06         | 0.38          |
| 3/8       | NS-371-8FO        | 3/4-16UNF     | 2.20   | 1.13             | 1.06         | 0.40          |
| 1/2       | NS-501-8FP        | 1/2-14 NPSF   | 2.88   | 1.56             | 1.25         | 0.84          |
| 1/2       | NS-501-8FB        | G1/2 BSPP     | 2.95   | 1.56             | 1.25         | 0.74          |
| 1/2       | NS-501-10FO       | 7/8-14UNF     | 2.97   | 1.56             | 1.25         | 0.80          |
| 3/4       | NS-751-12FP       | 3/4-14 NPSF   | 3.19   | 1.96             | 1.56         | 1.48          |
| 3/4       | NS-751-12FB       | G3/4 BSPP     | 3.38   | 1.96             | 1.56         | 1.54          |
| 3/4       | NS-751-12FO       | 1 1/16-12UN   | 3.51   | 1.96             | 1.56         | 1.58          |
| 1         | NS-1001-16FP      | 1-11 1/2 NPSF | 3.70   | 2.25             | 1.75         | 2.35          |
| 1         | NS-1001-16FB      | G 1 BSPP      | 3.81   | 2.25             | 1.75         | 2.36          |
| 1         | NS-1001-16FO      | 1 5/16-12UN   | 3.81   | 2.25             | 1.75         | 2.36          |

### NS Series Nipples



| Body Size | Part Number Steel | Thread Size   | Overall Length | Exposed* Length | Largest Diameter | Wrench Flats | Weight (lbs.) |
|-----------|-------------------|---------------|----------------|-----------------|------------------|--------------|---------------|
| 3/8       | NS-372-6FP        | 3/8-18 NPSF   | 1.70           | 1.17            | 1.08             | 0.94         | 0.16          |
| 3/8       | NS-372-6FB        | G3/8 BSPP     | 1.78           | 1.25            | 1.08             | 0.94         | 0.16          |
| 3/8       | NS-372-8FO        | 3/4-16UNF     | 1.91           | 1.38            | 1.23             | 1.06         | 0.20          |
| 1/2       | NS-502-8FP        | 1/2-14 NPSF   | 1.81           | 0.69            | 1.23             | 1.06         | 0.20          |
| 1/2       | NS-502-8FB        | G1/2 BSPP     | 1.95           | 0.83            | 1.23             | 1.06         | 0.22          |
| 1/2       | NS-502-10FO       | 7/8-14UNF     | 2.14           | 1.02            | 1.23             | 1.06         | 0.23          |
| 3/4       | NS-752-12FP       | 3/4-14 NPSF   | 2.25           | 1.12            | 1.59             | 1.37         | 0.48          |
| 3/4       | NS-752-12FB       | G3/4 BSPP     | 2.47           | 1.34            | 1.59             | 1.37         | 0.54          |
| 3/4       | NS-752-12FO       | 1 1/16-12UN   | 2.62           | 1.49            | 1.59             | 1.37         | 0.65          |
| 1         | NS-1002-16FP      | 1-11 1/2 NPSF | 2.64           | 1.54            | 1.88             | 1.62         | 0.72          |
| 1         | NS-1002-16FB      | G 1 BSPP      | 2.78           | 1.68            | 1.88             | 1.62         | 0.74          |
| 1         | NS-1002-16FO      | 1 5/16-12UN   | 2.78           | 1.68            | 1.88             | 1.62         | 0.80          |

\* This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker Coupler.

#### Standard Port Configurations

**FP** - Female Pipe Thread

**FO** - Female Straight Thread

**FB** - Female British Standard Parallel Pipe

#### Optional Seal Materials (add code to part number):

| Code       | Description                            | Part Number Example |
|------------|----------------------------------------|---------------------|
| suffix -E5 | Ethylene Propylene seal material (EPR) | NS-502-8FP-E5       |
| suffix -E4 | Fluorocarbon seal material             | NS-502-8FP-E4       |

Contact QCD for availability and additional options.

To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



**WARNING:** Products listed in these pages can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)