



The NSI are dry-break couplings with flat face valves. The compact design make them suitable for reduced spaces. Coupling system with two-hand operation, i.e. both hands are required when connect/disconnect.

No spillage during connection/disconnection. Low pressure drop. Excellent resistance to vibrations and mechanical stresses.

#### Working Temperature\*

-20°C up to +200°C (FKM)  
depending on the medium.

\* For temperatures below -20°C and over +200°C and depending on the medium, other seal variants (NBR, EPDM, FFKM) are available.



#### Working Pressure

60 bar

#### Material

**Coupling:** Brass/Stainless Steel

**Plug:** Brass/Stainless Steel

**Seals:** FKM

#### Technical Description

Dead space volume DN 3: 0 ml

Dead space volume DN 6: 0,01 ml

Dead space volume DN 9: 0,04 ml

Dead space volume DN 12: 0,1 ml

Connecting Force 0 bar DN 3: 25 N

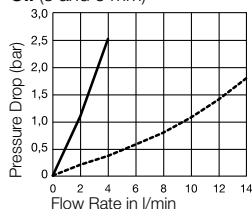
Connecting Force 0 bar DN 6: 100 N

Connecting Force 0 bar DN 9: 85 N

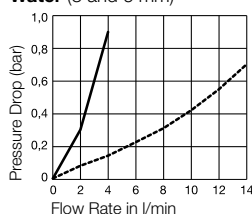
Connecting Force 0 bar DN 12: 190 N

#### Flow diagrams

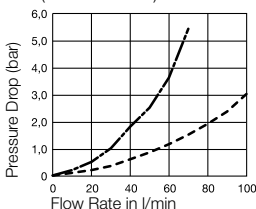
##### Oil (3 and 6 mm)



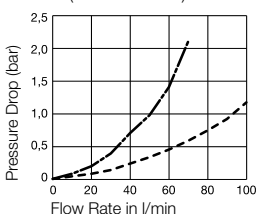
##### Water (3 and 6 mm)



##### Oil (9 and 12 mm)



##### Water (9 and 12 mm)

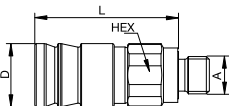
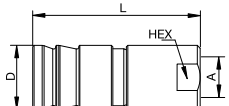
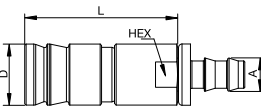


— DN 3 mm  
- - - DN 6 mm  
— DN 9 mm  
- - - DN 12 mm



## Couplings – flat sealing

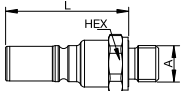
## Series NSI

|                                                                                                      | DN | Connection<br>A | HEX<br>mm | L<br>mm | D<br>mm | Part Number                  |
|------------------------------------------------------------------------------------------------------|----|-----------------|-----------|---------|---------|------------------------------|
| <br>Male Thread     | 3  | G 1/8           | 14        | 38      | 17      | NSI-121-2MBE <sup>1</sup>    |
|                                                                                                      | 6  | M 16 x 1,5      | 20        | 44,8    | 22      | NSI-251-16MCL-2 <sup>2</sup> |
|                                                                                                      | 9  | G 3/8           | 27        | 63      | 30      | NSI-371-6MBO                 |
|                                                                                                      | 12 | G 1/2           | 35        | 90,4    | 42      | NSI-501-8MBO                 |
| <br>Female Thread   | 6  | G 1/4           | 20        | 57,9    | 22      | NSI-251-4FB                  |
|                                                                                                      | 9  | G 3/8           | 27        | 72      | 30      | NSI-371-6FB                  |
|                                                                                                      | 12 | G 1/2           | 35        | 99,4    | 42      | NSI-501-8FB                  |
|                                                                                                      |    |                 |           |         |         |                              |
| <br>Parker Push-Lok | 6  | 10 mm           | 20        | 55,2    | 22      | NSI-251-6PL                  |
|                                                                                                      |    |                 |           |         |         |                              |
|                                                                                                      |    |                 |           |         |         |                              |
|                                                                                                      |    |                 |           |         |         |                              |



## Plugs – flat sealing

## Series NSI

|                                                                                                    | DN | Connection<br>A | HEX<br>mm | L<br>mm | D<br>mm | Part Number               |
|----------------------------------------------------------------------------------------------------|----|-----------------|-----------|---------|---------|---------------------------|
| <br>Male Thread | 3  | G 1/8           | 14        | 36,5    |         | NSI-122-2MBE <sup>1</sup> |
|                                                                                                    | 6  | G 1/4           | 19        | 44      |         | NSI-252-4MBE <sup>1</sup> |
|                                                                                                    | 9  | G 3/8           | 24        | 60,2    |         | NSI-372-6MBO              |
|                                                                                                    | 12 | G 1/2           | 32        | 79,1    |         | NSI-502-8MBO              |
|                                                                                                    |    |                 |           |         |         |                           |

<sup>1</sup> End connection according to ISO1179-2 ED seal

<sup>2</sup> End connection according to DIN 2353 24°cone