



Nominal Diameter

**6/9/12**

Parker Series

**NSP****Technical Description**

The NSP are dry break couplings with flat face valves. The compact design make them suitable for reduced spaces. Coupling system with single-hand operation.

**Advantages**

No spillage during connection/disconnection. Push to connect function. Low pressure drop. Specific design for cooling applications. Can be used either with water and heat transfer oils. 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 are available.

**Dry-Break****Working Pressure\*\***

60 bar

\*\* maximum static working pressure.

**Material**

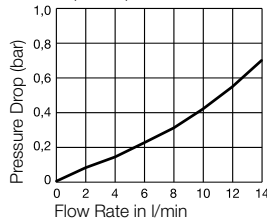
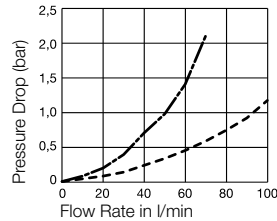
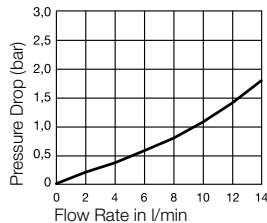
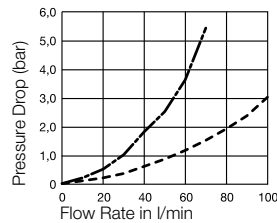
**Coupling:** Brass/Stainless Steel

**Plug:** Brass/Stainless Steel

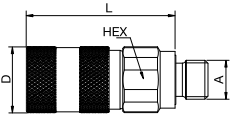
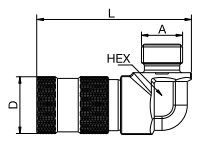
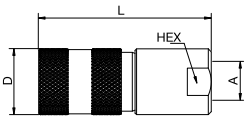
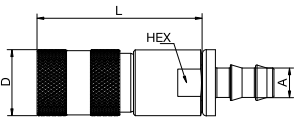
**Seals:** FKM

**Flow diagrams**

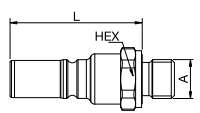
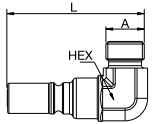
— Diameter 6 mm  
- - - Diameter 9 mm  
- - - - Diameter 12 mm

**Water (6 mm)****Water (9 und 12 mm)****Oil (6 mm)****Oil (9 und 12 mm)**

**Couplings – flat sealing** **Series NSP**

|  | DN | Connection A | HEX mm | L mm | D mm | Part Number                |
|--|----|--------------|--------|------|------|----------------------------|
|  <p>Male Thread</p>       | 6  | G 1/4        | 21     | 49,8 | 22   | NSP-251-4MBE <sup>1</sup>  |
|  | 6  | M 16 x 1,5   | 20     | 44,8 | 22   | NSP-251-16MCL <sup>2</sup> |
|  | 9  | G 3/8        | 27     | 63   | 30   | NSP-371-6MBO               |
|  | 12 | G 1/2        | 35     | 90,4 | 42   | NSP-501-8MBO               |
|  <p>Male Thread 90°</p>   | 6  | M 16 x 1,5   | 17     | 59,2 | 22   | NSP-251-C16MCL             |
|  |    |              |        |      |      |                            |
|  <p>Female Thread</p>     | 6  | G 1/4        | 20     | 57,9 | 22   | NSP-251-4FB                |
|  | 9  | G 3/8        | 27     | 72   | 30   | NSP-371-6FB                |
|  | 12 | G 1/2        | 35     | 99,4 | 42   | NSP-501-8FB                |
|  <p>Parker Push-Lok</p> | 6  | 10 mm        | 20     | 55,2 | 22   | NSP-251-6PL                |
|  |    |              |        |      |      |                            |

**Plugs – flat sealing** **Series NSI**

|  | DN | Connection A | HEX mm | L mm | D mm | Part Number               |
|--|----|--------------|--------|------|------|---------------------------|
|  <p>Male Thread</p>     | 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              |
|  <p>Male Thread 90°</p> | 6  | M 16 x 1,5   | 16     | 57,8 |      | NSI-252-C16MCL-2          |
|  |    |              |        |      |      |                           |

<sup>1</sup> End connection according to ISO1179-2 ED seal  
<sup>2</sup> End connection according to DIN 2353 24° cone