



| Max. Operating Conditions |   |
|---------------------------|---|
| Pressure (MPa)            | ≤ 40 (400 bar)  |
| Temperature (°C)          | - 40 / + 110  |
| Speed (m/s)               | statisch  |
| Media:                    | Hydraulic fluids upon oil-basis,<br>hardly inflaming hydraulic fluids,<br>HFA-, HFB-Liquids |

| Recommended Surface Finish |          |         |
|----------------------------|----------|---------|
| Surface roughness          | $R_a$    | $R_t$   |
| Groove bottom              | ≤ 1,6 µm | ≤ 16 µm |
| Groove flanks              | ≤ 1,6 µm | ≤ 16 µm |
| Running surface            | ≤ 0,3 µm | ≤ 3 µm  |

| Material     |    |
|--------------|----|
| Polyurethane | PU |

**Technical Description**

The seal **PFS** is a low priced sealing element for sealing of SAE-flanges.

The flange-sealing has a symmetrical groove-profile made of polyurethane. Because of its construction, the seal – in an attached conditions - is stable within its fitting groove.

Because of the low compression-set-value of the applied polyurethane, a preeminent sealing function will be obtained.

Furthermore, the applied polyurethane-material features through extrusion-firmness, whereby even when the flange sprays under pressure, a spraying extrusion will be antagonized.

| Type designation | ∅ d  | ∅ D  | L    |
|------------------|------|------|------|
| PFS 12,2         | 12,2 | 19,2 | 2,2  |
| PFS 15,4         | 15,4 | 22,4 | 2,2  |
| PFS 1/2"         | 17,4 | 25,4 | 2,85 |
| PFS 3/4"         | 23,8 | 31,8 | 2,85 |
| PFS 1"           | 31,6 | 39,6 | 2,85 |
| PFS 1 1/4"       | 36,5 | 44,5 | 2,85 |
| PFS 1 1/2"       | 45,7 | 53,7 | 2,85 |
| PFS 2"           | 55,4 | 63,4 | 2,85 |

Further dimension and in-between sizes upon request.

|                           | Type            | Dimension              | Material            |
|---------------------------|-----------------|------------------------|---------------------|
| <b>Ordering example:</b>  | <b>PFS 1"</b>   | <b>∅ D 39,6 x 2,85</b> | <b>Polyurethane</b> |
| <b>Order designation:</b> | <b>PFS 1" -</b> | <b>39,6 x 2,85</b>     | <b>- PU</b>         |

**Designation of material:**      **PU - Polyurethane**