

# PFS



## MATERIAL


**Type**

Polyurethane

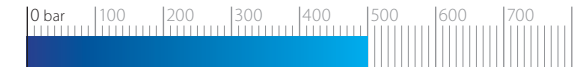
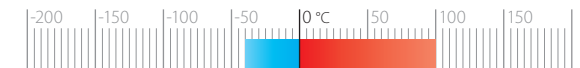
**Designation**

SEALPUR 93

**Hardness**

93 °ShA

## FIELD OF APPLICATION

**Pressure**  
 ≤ 500 bar

**Temperature**  
 -40°C ÷ +100°C

**Fluids**

Hydraulic oils (mineral oil based)

For other fluids contact our technical department

## SURFACE ROUGHNESS

**Housing surface**

Ra ≤ 1.6 μm

Rt ≤ 6.3 μm

Before assembly good cleanliness and lubrication are recommended.

The above data are maximum values, they may be maintained for short periods and can not be used at the same time simultaneously.

The polyurethane seal type Aston Seals PFS has been developed to assure a SAE flange sealing and to substitute traditional O-Rings when they are not suitable due to difficult conditions such as high pressure or rough surface finish.

The profile is inspired by a semicompact rod seal type SD which has demonstrated great efficacy and versatility.

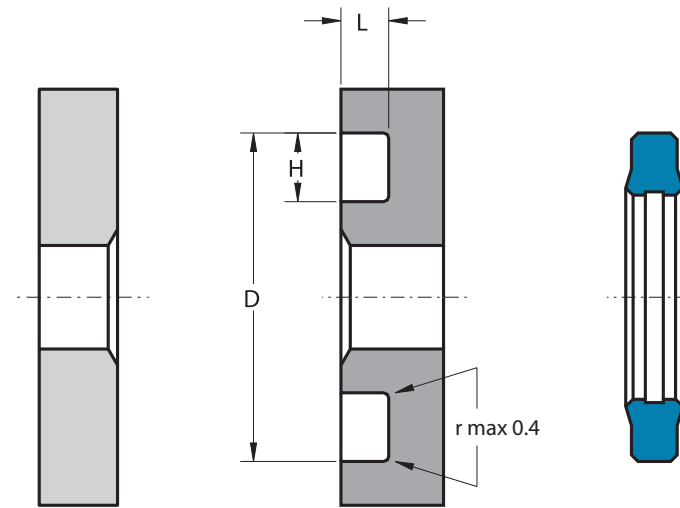
A flush fitting with the outside diameter reduces the radial movements induced by the frequent "pumping" phenomenon of pressure.

The material used to produce this seal is a polyurethane compound that ensures excellent properties on wear-resistance,

extended service life and resistance against extrusion

- Perfect fluid control under "pumping" pressure also
- High resistance against extrusion
- Excellent wear-resistance
- Extended service life
- Absence of induced radial movements
- Good temperature resistance
- Easy installation without expensive auxiliaries

# PFS



Part.	D $\pm 0.1$	H $\pm 0.25$	L $\pm 0.07$
<b>PFS 8 12 1.4</b>	12.0	2.0	1.40
<b>PFS 10.3 16.9 2.2</b>	16.9	3.3	2.20
<b>PFS 12.2 19.2 2.2</b>	19.2	3.5	2.20
<b>PFS 15.4 22.4 2.2</b>	22.4	3.5	2.20
<b>PFS 1/2"</b>	25.4	4.2	2.85
<b>PFS 3/4"</b>	31.8	4.2	2.85
<b>PFS 1"</b>	39.6	4.2	2.85
<b>PFS 1 1/4"</b>	44.5	4.2	2.85
<b>PFS 1 1/2"</b>	53.7	4.2	2.85
<b>PFS 2"</b>	63.4	4.2	2.85
<b>PFS 2 1/2"</b>	76.2	4.2	2.85
<b>PFS 3"</b>	91.9	4.2	2.85