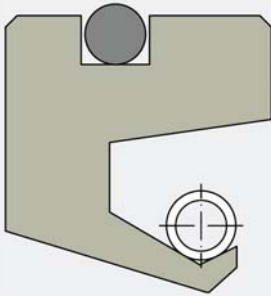


## OS-W50



### Description

- Pressure loadable PTFE radial shaft seal
- Spring-loaded sealing lip of PTFE
- O-ring on the outside diameter as anti-rotation lock and static seal
- Additional, non-contact protective lip possible on request Bauform OS-W51

### Special features

- High thermal resistance
- High chemical resistance
- Pressure loadable
- Very low friction coefficient, stick-slip free running
- Non-moulded processing
- No extra cost for special sizes or special tolerances
- Small runs without mould cost possible
- Short delivery time
- The FKM O-ring ensures good static sealing function on the outside diameter and prevents rotation of the seal in the housing

### Applications

Rotary seal, seal for slow pivoting, stroke or helical movements in the following areas:

- Chemical industry
- Process engineering
- Mechanical engineering

### Materials

#### Standard material

Sealing ring	PTFE carbon/graphite
O-Ring	FKM 80
Spring	Stainless steel 1.4571

### Special materials

Sealing ring	Other PTFE compounds
O-Ring	Other elastomers
Spring	Other spring steels

### Application parameters

for the standard materials combination

Temperature	-20°C to +200°C
Pressure	max. 1 MPa
Shaft speed	max. 12 m/s
Media	Mineral oil based lubricants, synthetic lubricants, many acids and lyes, solvents, water

The different permitted maximum values should always be seen in connection with all application parameters. The total load on the seal is the combination of individual values.

### Design information

#### Shaft

Tolerance	ISO h11
Hardness	min. 50-60 HRC
Roughness	$R_a \leq 0.2 \mu\text{m}$
Surface finish	free of orientation (lead free)

#### Housing bore

Tolerance	ISO H8
Roughness	$R_a \leq 1.8 \mu\text{m}$

### Installation

Please read our installation instructions.