

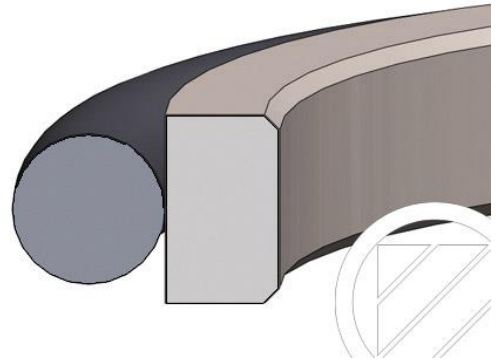


DICHTOMATIK

Any seal. Any time.

Online Product information

SPOR 30



DESCRIPTION

Product group: rod seal

Design: POR PTFE seal with an O-ring energising element

Profile no.: 30

Specification: Z suitable for two-sided pressure load

Seal material: PTFE 00 9807

O-ring material: NBR 90 0100

OPERATIONAL APPLICATION LIMITS

Pressure (MPa): ≤ 40

Temperature (°C): -30 to $+100$

Running speed (m/s): ≤ 15

MEDIA

- Hydraulic oils acc. to DIN 51524 Part 1 – 3
- Lubricating oils
- Mineral oil based lubricating greases
- Highly non-flammable hydraulic fluids HFA, HFB, HFC acc. to VDMA 24317

FUNCTION

The SPOR seal consists of a PTFE sealing element, which is energised by an O-Ring. This results in an exceptionally good sealing function under high loads and good static sealing performance. The SPOR 30 design is double-acting. The SPOR 30 is frequently used in tandem or in combination with other sealing elements as the primary or secondary seal in order to guarantee no leakage.

INSTALLATION

For small diameters, axially accessible installation housings are required. For larger diameters, the seals can be installed in closed installation housings. Subsequent calibration is necessary.

REMARKS

The standard for this design is a combination of PTFE-Bronze/NBR 70. Depending on the area of application, other materials such as PTFE-Glass, PTFE-Graphite and PTFE-carbon for the seal element and EPDM, FKM, VMQ etc. for the energising element are available. Sufficient guiding of the rod using suitable guide elements is necessary.

