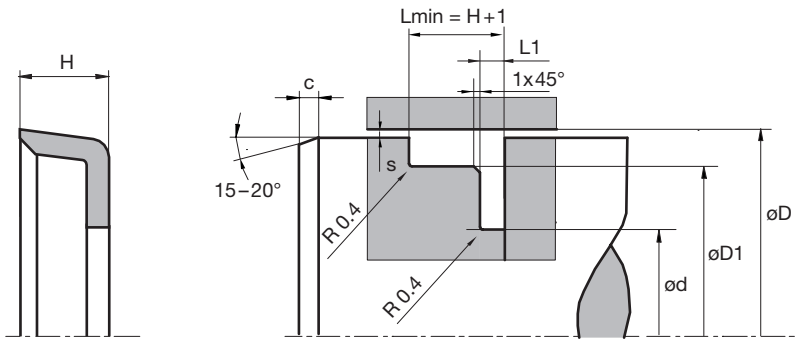
Piston Seal TK16B

Hydraulics/Pneumatics, single acting

Housing design

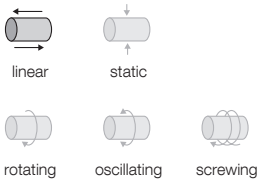


The dimensions s + c are dependent on the respective seal type.

Design

- Pot sleeve in twisted design
- For old pneumatics and hydraulics applications
- Is usually clamped with a flange
- Not recommended for new designs

Application



Brightened symbols:
Seal only for limited use.
Please contact us.

Surface finish

Roughness	Rtmax (µm)	Ra (µm)	Material portion
Sliding surface	≤ 2,5	0,1 – 0,5	Ratio contact area: 50 – 95% at a cutting depth of 0.5 x Rz starting from Cref = 0%
Groove base	≤ 6,3	≤ 1,6	
Groove flanks	≤ 15	≤ 3	

Standard dimensions

This is not a standard profile and serves only as a replacement in already existing installation spaces.
If possible, standard profiles should be used.The permissible gap dimension depends on the seal material and the design of the seal.
In order to guarantee the function, the gap dimension should be adapted to that of the guide.

Material and application parameters

		max. sliding speed (m/s)		max. pressure[1]	
Sealing element	Temp. (°C)	linear	rotating	linear	rotating
HPU premium	-30 – +110	0,5	2	160 bar (16 MPa)	7 bar (0,7 MPa)
HPU diet	-20 – +110	0,5	2	160 bar (16 MPa)	7 bar (0,7 MPa)
HPU lubric	-20 – +110	0,7	2	160 bar (16 MPa)	7 bar (0,7 MPa)
HPU taiga	-50 – +110	0,5	2	160 bar (16 MPa)	7 bar (0,7 MPa)
NBR standard	-30 – +100	0,5	5	160 bar (16 MPa)	5 bar (0,5 MPa)
FPM diet br	-20 – +200	0,5	5	160 bar (16 MPa)	5 bar (0,5 MPa)
EPDM spring	-50 – +150	0,5	5	160 bar (16 MPa)	5 bar (0,5 MPa)
HNBR diet	-25 – +150	0,5	5	160 bar (16 MPa)	5 bar (0,5 MPa)
AFLAS® standard	-10 – +200	0,5	5	160 bar (16 MPa)	5 bar (0,5 MPa)

[1] Pressure values as a function of the gap dimension.

The specified application parameters are generally valid values and must not be used simultaneously with the application.
An order can be placed by specifying the profile type, material and specified housing design dimensions.