

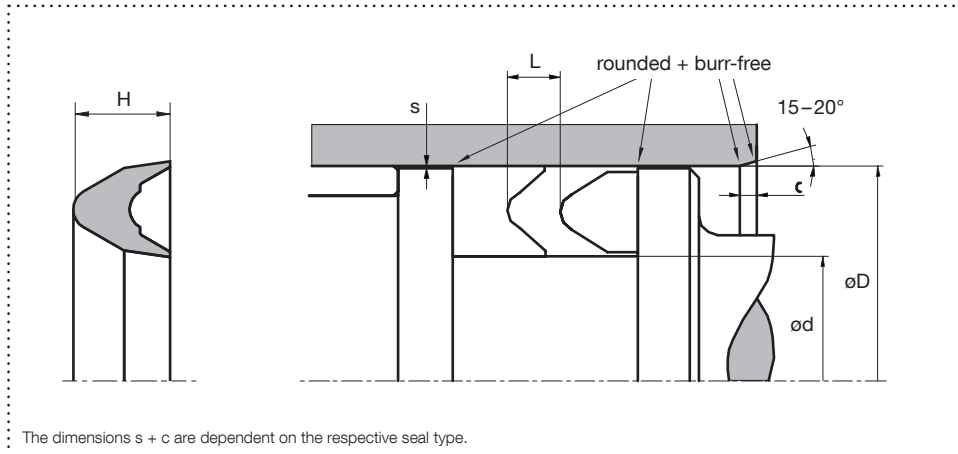


trygonal

Piston Seal TK24P

Hydraulics, single acting

Housing design (split housing design required)



Design

- Sleeve ring with flexible lip design
- Used as spare part for standard installation spaces
- Pressure and support ring mostly made of metal
- Not recommended for new designs

Application



linear



static

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

Smallest nominal inside diameter $\phi D \geq 22$ mm

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

Sealing element	Temperature (°C)	max. sliding speed (m/s)	max. pressure ¹
HPU premium	-30 – +110	0,5	500 bar (50 MPa)
HPU diet	-20 – +110	0,5	500 bar (50 MPa)
HPU lubric	-50 – +110	0,7	500 bar (50 MPa)
HPU taiga	-20 – +110	0,5	500 bar (50 MPa)
NBR standard	-30 – +100	0,5	250 bar (25 MPa)
FPM diet br	-20 – +200	0,5	250 bar (25 MPa)
EPDM spring	-50 – +150	0,5	250 bar (25 MPa)
HNBR diet	-25 – +150	0,5	250 bar (25 MPa)
AFLAS® standard	-10 – +200	0,5	250 bar (25 MPa)

¹Pressure 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.

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