

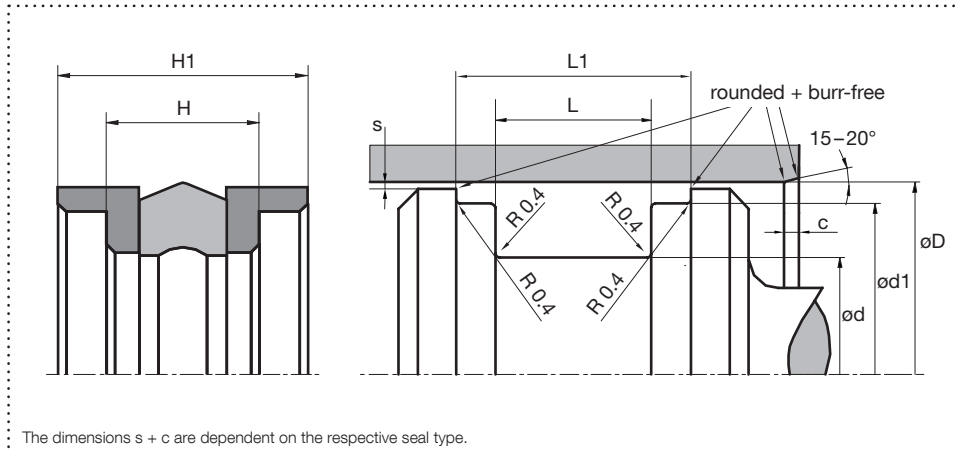


trygonal

Piston Seal TK17P

Hydraulics, double acting

Housing design



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

øD H9 (mm)	ød h9 (mm)	ød1 h9 (mm)	L + 0,2 (mm)	L1 (mm)	H (mm)	H1 (mm)	c (mm)	s' (mm)
≥ 13 – < 40	D – 8	D – 3	10	18	8,9	16,8	4	0,35
≥ 40 – < 80	D – 10	D – 3	10	18	8,9	16,8	4	0,40
≥ 80 – < 120	D – 15	D – 4	15	23	13,4	21,5	5	0,50
≥ 120 – < 200	D – 20	D – 5	20	33	17,9	30,8	6	0,65
≥ 200 – < 400	D – 25	D – 6	25	39	22,4	36,4	8,5	0,75
≥ 400 – < 600	D – 30	D – 8	30	44	26,9	41,1	10	1,00

¹The specified extrusion gap is valid up to 70 °C, higher temperatures require lower values.

Material and application parameters

Sealing element	Support ring	Temperature (°C)	max. sliding speed (m/s)	max. pressure ¹
HPU premium	POM/PA6G ²	-30 – +100	0,5	250 bar (25 MPa)
HPU diet	POM/PA6G ²	-20 – +100	0,5	250 bar (25 MPa)
HPU lubric	POM/PA6G ²	-20 – +100	0,7	250 bar (25 MPa)
HPU taiga	POM/PA6G ²	-40 – +100	0,5	250 bar (25 MPa)

¹ Pressure values as a function of the gap dimension. ² ≤ ø280mm: POM ; > ø280mm: PA6G

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.

Design

- Double acting, space-saving compact piston seal made of polyurethane
- With integrated guide rings
- Excellent sealing effect
- Suitable for small installation spaces

Application



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