

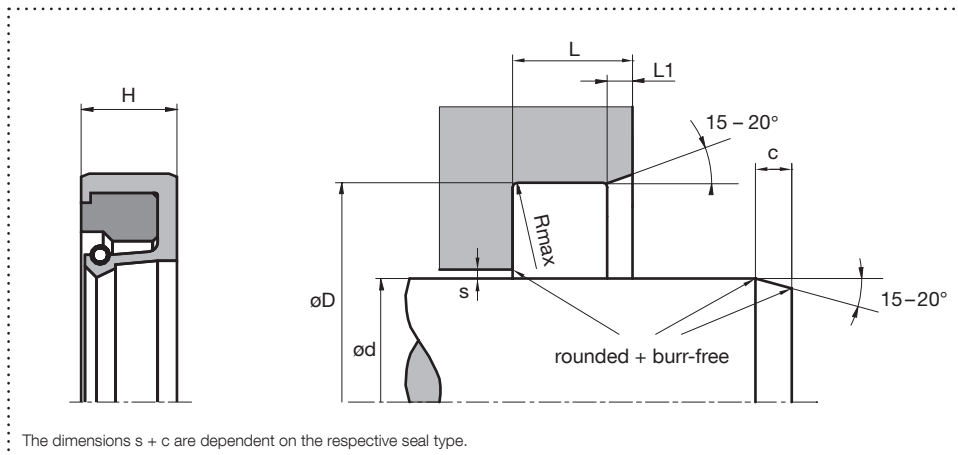


trygonal

Rotary Seal TR01P

single acting

Housing design



Surface finish

Roughness	Rtmax (μm)	Ra (μm)	Material portion
Sliding surface	$\leq 2,5$	0,1 – 0,5	Hardness: min. 45 HRC (55 HRC recommended), insert depth > 0.3mm Contact area: 50 - 95% at a cutting depth of $0.5 \times R_z$ starting from $C_{ref} = 0\%$.
Groove base	$\leq 6,3$	$\leq 1,6$	
Groove flanks	≤ 15	≤ 3	

Standard dimensions

ϕd h11 (mm)	ϕD H8 (mm)	H (mm)	L1 (mm)	L (mm)	c (mm)	Rmax (mm)
≥ 5 – < 60	d + 12	7,0	1,35	7,3	5	0,4
≥ 60 – < 140	d + 15	8,0	1,5	8,3	6	0,4
≥ 140 – < 300	d + 20	10,0	1,8	10,3	9	0,4
≥ 300 – < 500	d + 30	12,0	2,0	12,3	11	0,8
≥ 500 – ≤ 800	d + 40	20,0	3,3	20,3	13	0,8
> 800	d + 50	22,0	3,6	22,3	16	0,8

Material and application parameters

Sealing element	Klemmring	Spring	Temp. ($^{\circ}\text{C}$)	max. sliding speed (m/s) ¹	max. pressure
HPU premium	POM/PA6G ²	1.4310	-30 – +80	5	0,5 bar (0,05 MPa)
HPU diet	POM/PA6G ²	1.4310	-20 – +80	5	0,5 bar (0,05 MPa)
HPU lubric	POM/PA6G ²	1.4310	-20 – +80	5	0,5 bar (0,05 MPa)
HPU taiga	POM/PA6G ²	1.4310	-40 – +80	5	0,5 bar (0,05 MPa)

¹ Depending on the shaft diameter. ² $\leq \phi 280\text{mm}$: POM ; > $\phi 280\text{mm}$: 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

- Spring supported polyurethane shaft sealing ring
- Can be pressed into open installation spaces
- Various application possibilities

Application



rotating



oscillating

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