

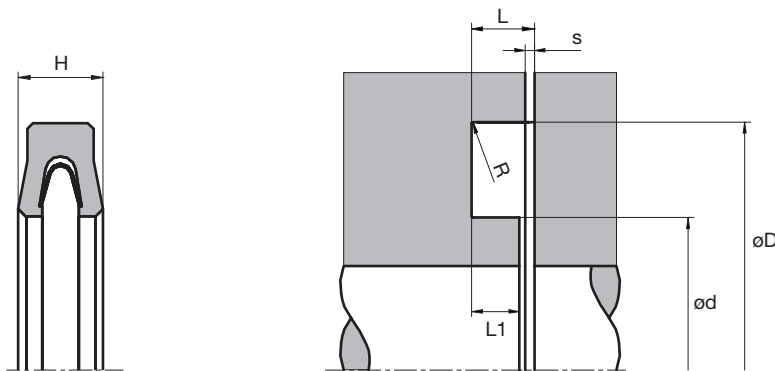


trygonal

Rotary Seal TR12F

single acting

Housing design



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

Surface finish

Roughness	Rtmax (μm)	Ra (μm)	Material portion
Sliding surface	≤ 2	0,05 – 0,3	Ratio 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

øD H8 (mm)	ød (mm)	L (+Tol.) (mm)	L1 min	H (mm)	smax ¹
$\geq 39,6 - < 46$	D - 9,6	3,1 (+0,08)	1,5	4,0	0,15
$\geq 46 - < 125$	D - 14,2	4,7 (+0,10)	2,4	5,8	0,2
$\geq 125 - < 600$	D - 19	6,1 (+0,15)	3,1	7,9	0,25

¹ The specified extrusion gap is valid for the side facing away from the pressure.

Material and application parameters

Sealing element	Spring	Temperature ($^{\circ}\text{C}$)	max. sliding speed (m/s)	max. pressure ²
PTFE virgin diet	1,4310	-200 – +260	1	300 bar (30 MPa)
PTFE glass wear	1,4310	-200 – +260	1	300 bar (30 MPa)
PTFE bronze wear	1,4310	-200 – +260	1	300 bar (30 MPa)
PTFE carbon slide	1,4310	-200 – +260	1	300 bar (30 MPa)

² 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.

Design

- Spring supported PTFE flange seal
- Excellent chemical and thermal resistance
- Open installation necessary
- Application in the chemical industry

Application



rotating



oscillating

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