

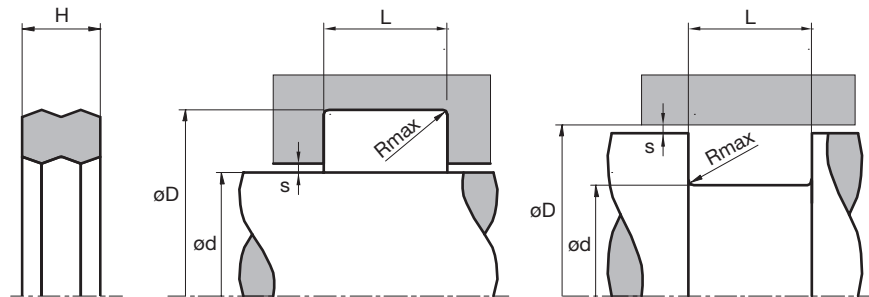


trygonal

Rotary Seal TR15P

double 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	$\leq 2,5$	0,1 – 0,5	Ratio contact area: 50 – 95% at a cutting depth of 0.5 x Rz starting from Cref = 0%
Groove base	$\leq 6,3$	$\leq 1,6$	
Groove flanks	≤ 15	≤ 3	

Standard dimensions

$\varnothing d$ h9 (mm)	$\varnothing D$ H8 (mm)	L + 0,2 (mm)	H (mm)	Rmax (mm)	s (mm)
≥ 5 – < 15	d + 2,5	3,3	3	0,3	g6/H8
> 15 – ≤ 75	d + 5	5,4	4,9	0,3	g6/H8
> 75 – ≤ 150	d + 8	7,7	6,9	0,3	g6/H8
> 150 – ≤ 200	d + 10	9,3	8,4	0,6	g6/H8
> 200 – ≤ 350	d + 15	13	11,7	0,6	g6/H8
> 350 – ≤ 600	d + 20	17	15,3	0,6	g6/H8

Material and application parameters

Sealing element	Temperature ($^{\circ}\text{C}$)	max. sliding speed (m/s)	max. pressure
HPU premium	-30 – +110	only recommended for static applications	400 bar (40 MPa)
HPU diet	-20 – +110	only recommended for static applications	400 bar (40 MPa)
HPU lubric	-20 – +110	only recommended for static applications	400 bar (40 MPa)
HPU taiga	-50 – +110	only recommended for static applications	400 bar (40 MPa)

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 seal
- As O-ring/backup ring replacement; twisting is prevented
- Suitable against extrusion
- Easy mounting

Application



static

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