

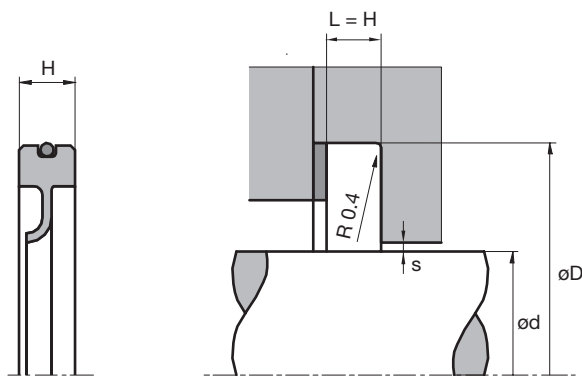


trygonal

Rotary Seal TR11F

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 x Rz starting from Cref = 0%
Groove base	≤ 6,3	≤ 1,6	
Groove flanks	≤ 15	≤ 3	

Standard dimensions

ød f8 (mm)	øD H10 (mm)	Lmin (-Tol.) (mm)
≥ 50 – ≤ 100	d + 20	4 (-0,05)
> 100 – ≤ 150	d + 25	5 (-0,05)
> 150	d + 30	6 (-0,10)

Material and application parameters

Sealing element	Temp. (°C)	max. sliding speed (m/s) ¹	max. pressure
PTFE glass wear	-200 – +260	20	5 bar (0,5 MPa)
PTFE bronze wear	-200 – +260	20	5 bar (0,5 MPa)
PTFE carbon slide	-200 – +260	20	5 bar (0,5 MPa)

¹ Depending on the shaft diameter

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

- Space-saving PTFE seal for high speeds
- Sealing lip adapts to rising temperatures
- an O-ring on the outside diameter or an axial flat seal is often used for static sealing
- Open housing design and lid fixation necessary

Application



rotating



oscillating



screwing

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