

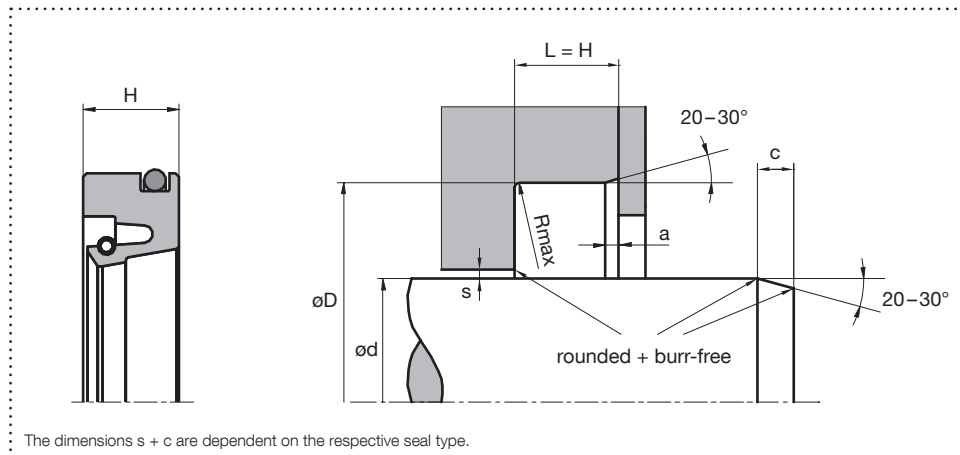


trygonal

Rotary Seal TR01F

single acting

Housing design



Design

- Spring supported shaft sealing ring made of PTFE
- Can be pressed into open installation spaces
- Cover or clamping fixture necessary
- O-ring for static sealing on the outside diameter

Application



rotating



oscillating



screwing

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

Surface finish

Roughness	Rtmax (µm)	Ra (µm)	Material portion
Sliding surface	≤ 2	0,05 – 0,3	Hardness: min. 45 HRC (55 HRC recommended), insert depth > 0.3mm Contact area: 50 - 95% at a cutting depth of 0.5xRz starting from Cref = 0%.
Groove base	≤ 6,3	≤ 1,6	
Groove flanks	≤ 15	≤ 3	

Standard dimensions

ød h11 (mm)	ød h11 (mm)	øD H8 (mm)	L -0,1 (mm)	c (mm)	a (mm)	Rmax (mm)
rotating Application	SchwenkApplication					
≥ 10 – ≤ 66	≥ 10 – ≤ 33	d + 12	7,0	3	1,25	0,4
> 66 – ≤ 110	> 33 – ≤ 55	d + 15	9,0	3,5	1,5	0,4
> 110 – ≤ 280	> 55 – ≤ 140	d + 20	10,0	5	2	0,4
> 280 – ≤ 400	> 140 – ≤ 200	d + 25	12,5	6,5	2,5	0,8
> 400 – ≤ 600	> 200 – ≤ 400	d + 30	15,0	7,5	3	0,8
– > 400	– ≤ 600	d + 40	20,0	9	3,5	0,8

Material and application parameters

Sealing element	Preload element	Spring	Temp. (°C)	max. sliding speed (m/s)	max. pressure
PTFE virgin diet	NBR70	1.4310	-30 – +100	10	15 bar (1,5 MPa)
PTFE glass wear	NBR70	1.4310	-30 – +100	10	15 bar (1,5 MPa)
PTFE bronze wear	FPM/FKM	1.4310	-20 – +200	10	15 bar (1,5 MPa)
PTFE carbon slide	FPM/FKM	1.4310	-20 – +200	10	15 bar (1,5 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.