

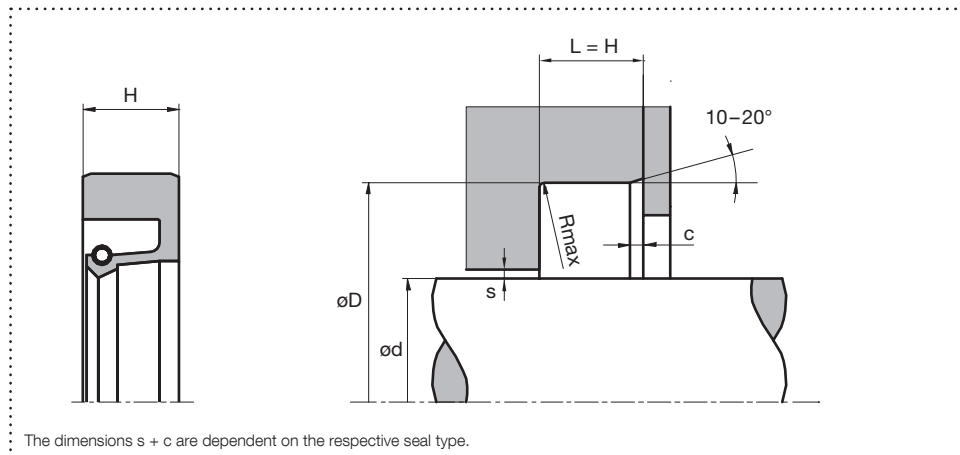


trygonal

Rotary Seal TR01AF

single acting

Housing design



Surface finish

Roughness	Rtmax (µm)	Ra (µm)	Material portion
Sliding surface	≤ 2,5	0,1 – 0,5	Hardness: min. 45 HRC (65 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	

Design

- Spring supported shaft sealing ring
- Can be pressed into open installation spaces
- Cover or clamping fixture necessary
- Application in rolling mills, in shipbuilding and heavy hydraulics

Application



rotating



oscillating

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

Standard dimensions

ød ¹ h11 (mm)		ød ¹ h11 (mm)		øD H8 (mm)	L -0,2 (mm)	c (mm)	Rmax (mm)
rotating	Application	Schwenk	Application				
≥ 5	– ≤ 80	≥ 5	– ≤ 40	d + 15	7	1,2	0,4
> 80	– ≤ 140	> 40	– ≤ 70	d + 20	8	1,5	0,4
> 140	– ≤ 240	> 70	– ≤ 120	d + 20	10	1,5	0,4
> 240	– ≤ 480	> 120	– ≤ 240	d + 30	12	1,8	0,8
> 480	– ≤ 2240	> 240	– ≤ 1120	d + 40	15	1,8	0,8
> 2240	– ≤ 3200	> 1120	– ≤ 1600	d + 50	25	3,3	0,8
> 3200		> 1600		d + 60	30	3,3	0,8

Material and application parameters

Sealing element	Spring	Temp. (°C)	max. sliding speed (m/s) ¹	max. pressure
HPU premium	1.4310	-30 – +110	5	0,5 bar (0,05 MPa)
HPU diet	1.4310	-20 – +110	5	0,5 bar (0,05 MPa)
HPU lubric	1.4310	-20 – +110	5	0,5 bar (0,05 MPa)
HPU taiga	1.4310	-50 – +110	5	0,5 bar (0,05 MPa)
NBR standard	1.4310	-30 – +100	10	0,5 bar (0,05 MPa)
FPM diet br	1.4310	-20 – +200	15	0,5 bar (0,05 MPa)
EPDM spring	1.4310	-50 – +150	10	0,5 bar (0,05 MPa)
HNBR diet	1.4310	-25 – +150	10	0,5 bar (0,05 MPa)
AFLAS® standard	1.4310	-10 – +200	10	0,5 bar (0,05 MPa)
MVQ diet we	1.4310	-60 – +200	5	–

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.

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