

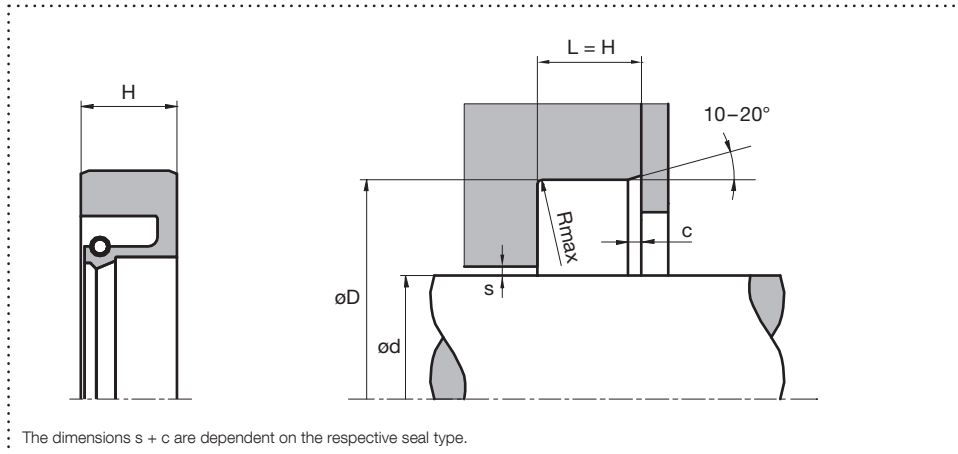


trygonal

Rotary Seal TR01G

single acting

Housing design



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.

Surface finish

Roughness	Rtmax (µm)	Ra (µm)	Material portion
Sliding surface	≤ 2,5	0,1 – 0,5	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 ¹ h11 (mm)	ød ¹ h11 (mm)	ød H8 (mm)	L -0,2 (mm)	c (mm)	Rmax (mm)
rotating Application	SchwenkApplication				
≥ 5 – ≤ 70	≥ 5 – ≤ 35	d + 20	8	1,5	0,4
> 70 – ≤ 120	> 35 – ≤ 60	d + 20	10	1,5	0,4
> 120 – ≤ 240	> 60 – ≤ 120	d + 30	12	1,8	0,8
> 240 – ≤ 1120	> 120 – ≤ 560	d + 40	15	3	0,8
> 1120 – ≤ 1600	> 560 – ≤ 800	d + 50	20	3,3	0,8
> 1600	> 800 – ≤ 2220	d + 60	25	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	–
HPU diet	1.4310	-20 – +110	5	–
HPU lubric	1.4310	-20 – +110	5	–
HPU taiga	1.4310	-50 – +110	5	–
NBR standard	1.4310	-30 – +100	10	–
FPM diet br	1.4310	-20 – +200	15	–
EPDM spring	1.4310	-50 – +150	10	–
HNBR diet	1.4310	-25 – +150	10	–
AFLAS® standard	1.4310	-10 – +200	10	–
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.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.