

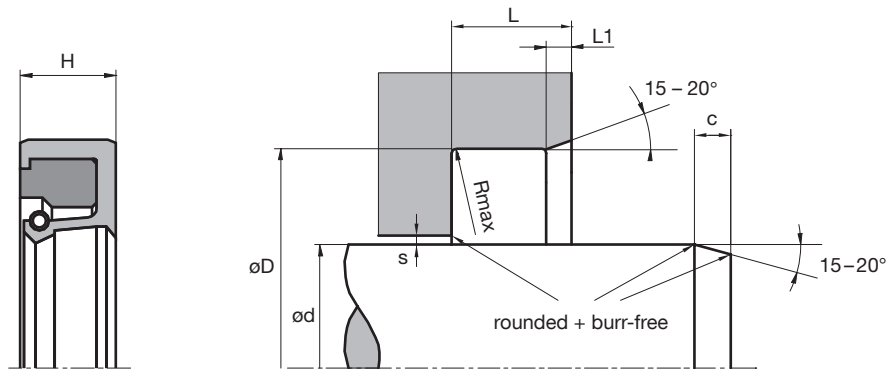


trygonal

Rotary Seal TR02R

single acting

Housing design



The dimensions $s + c$ are dependent on the respective seal type.

Design

- Spring supported rubber shaft sealing ring
- Can be pressed into open installation spaces
- Various application possibilities
- Dust lip prevents the penetration of dirt and dust particles

Application



rotating



oscillating

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

Surface finish

Roughness	R _{tmax} (µm)	R _a (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 0.5xR _z starting from C _{ref} = 0%.
Groove base	≤ 6,3	≤ 1,6	
Groove flanks	≤ 15	≤ 3	

Standard dimensions

ød h11 (mm)	øD H8 (mm)	H (mm)	L1 (mm)	L (mm)	c (mm)	R _{max} (mm)
≥ 5 – < 60	d + 12	7,0	1,35	7,3	5	0,4
≥ 60 – < 140	d + 15	8,0	1,5	8,3	6	0,4
≥ 140 – < 300	d + 20	10,0	1,8	10,3	9	0,4
≥ 300 – < 500	d + 30	12,0	2,0	12,3	11	0,8
≥ 500 – ≤ 800	d + 40	20,0	3,3	20,3	13	0,8
> 800	d + 50	22,0	3,6	22,3	16	0,8

Material and application parameters

Sealing element	Klemmring	Spring	Temp. (°C)	max. sliding speed (m/s) ¹	max. pressure
NBR standard	POM/PA6G ²	1.4310	-30 – +80	10	0,5 bar (0,05 MPa)
FPM diet br	POM/PA6G ²	1.4310	-20 – +80	15	0,5 bar (0,05 MPa)
EPDM spring	POM/PA6G ²	1.4310	-50 – +80	10	0,5 bar (0,05 MPa)
HNBR diet	POM/PA6G ²	1.4310	-25 – +80	10	0,5 bar (0,05 MPa)
MVQ diet we	POM/PA6G ²	1.4310	-60 – +80	5	–
NBR standard	Peek nature diet	1.4310	-30 – +100	10	0,5 bar (0,05 MPa)
FPM diet br	Peek nature diet	1.4310	-20 – +200	15	0,5 bar (0,05 MPa)
EPDM spring	Peek nature diet	1.4310	-50 – +150	10	0,5 bar (0,05 MPa)
HNBR diet	Peek nature diet	1.4310	-25 – +150	10	0,5 bar (0,05 MPa)
MVQ diet we	Peek nature diet	1.4310	-60 – +200	5	–

¹ Depending on the shaft diameter. ² ≤ ø280mm: POM ; > ø280mm: PA6G

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.