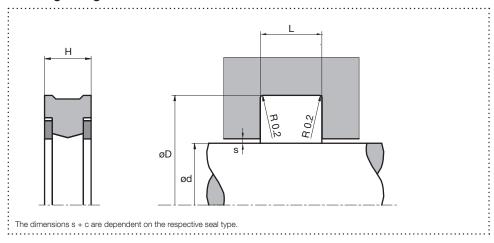


Rotary Seal TR03P

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 (55 HRC recom-
Groove base	≤ 6,3	≤ 1,6	: mended), insert depth > 0.3mm : Contact area: 50 - 95% at a cutting depth
Groove flanks	≤ 15		of 0.5xRz starting from Cref = 0%.

Design

- Rotary seal made of polyurethane with backup rings
- Tight fit on outer diameter
- Backup rings allow larger gap dimensions
- Mainly used in mobile hydraulics and in rotary distributors

Application



rotating





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

Standard dimensions

ød (mm)	øD H9 (mm)	L +0,2 (mm)	H (mm)	s (mm)
≥ 21 - ≤ 22	d + 8	6,5	5,9	e8/H9
> 22 - ≤ 36	d + 10	8	7,2	e8/H9
> 36 - ≤ 56	d + 12	8	7,1	e8/H9
> 56 - ≤ 85	d + 15	11	9,8	f7/H7
> 85 - ≤ 140	d + 20	13	11,5	f7/H7
> 140 − ≤ 200	d + 25	16	14,1	f7/H7
> 200 - ≤ 300	d + 30	19	16,7	f7/H7
> 300	d + 40	26	23,0	f7/H7

Material and application parameters

	•			
Sealing element	Support ring	Temp. (°C)	max. sliding speed (m/s)	max. pressure ¹
HPU premium	POM/PA6G ²	-30 - +100	0,2	400 bar (40 MPa)
HPU diet	POM/PA6G ²	-20 - +100	0,2	400 bar (40 MPa)
HPU lubric	POM/PA6G ²	-40 - +100	0,3	400 bar (40 MPa)
HPU taiga	POM/PA6G ²	-20 – +100	0,2	400 bar (40 MPa)

 $^{^1}$ Pressure values as a function of the gap dimension. $^2 \leq \varnothing 280 mm$: POM ; > $\varnothing 280 mm$: 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.