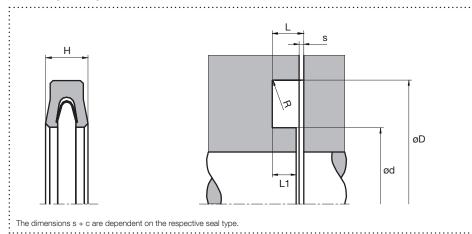


Rotary Seal TR12F

Housing design



Surface finish

Roughness	Rtmax (µm)	Ra (µm)	Material portion
Sliding surface	≤ 2	0,05 - 0,3	Ratio contact area: 50 – 95%
Groove base	≤ 6,3	≤ 1,6	at a cutting depth of 0.5 x Rz
Groove flanks	≤ 15	≤ 3	starting from Cref = 0%

Spring supported PTFE flange seal Excellent chemical and thermal resistance Open installation necessary Application in the chemical industry Application Application Contemport C

Design

Standard dimensions

øD H8 (mm)	gd (mm)	L (+Tol.) (mm)	L1 min	H (mm)	smax ¹	
≥ 39,6 - < 46	D - 9,6	3,1 (+0,08)	1,5	4,0	0,15	
≥ 46 - < 125	D - 14,2	4,7 (+0,10)	2,4	5,8	0,2	
≥ 125 - < 600	D - 19	6,1 (+0,15)	3,1	7,9	0,25	

¹ The specified extrusion gap is valid for the side facing away from the pressure.

Material and application parameters

Sealing element	Spring	Temperature (°C)	max. sliding speed (m/s)	max. pressure ²
PTFE virgin diet	1,4310	-200 - +260	1	300 bar (30 MPa)
PTFE glass wear	1,4310	-200 - +260	1	300 bar (30 MPa)
PTFE bronze wear	1,4310	-200 - +260	1	300 bar (30 MPa)
PTFE carbon slide	1,4310	-200 - +260	1	300 bar (30 MPa)

 $^{\scriptscriptstyle 2}$ Pressure values as a function of the gap dimension.

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.