

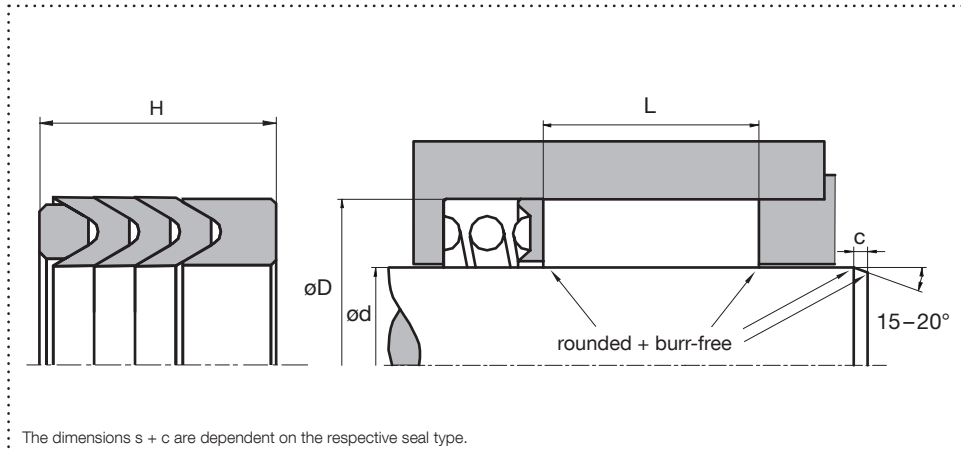


trygonal

Rod Seal TS29F

single acting

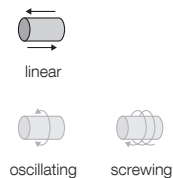
Housing design (split housing design required)



Design

- PTFE roof sleeve set
- Optimized for high pressures
- Spring preload required
- Application in the food, pharmaceutical and chemical industry

Application



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

Surface finish

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

Standard dimensions

ød f8 (mm)	øD H8 (mm)	H = L (mm)	c (mm)	Installation height L ¹		
				3 Sleeves < 50 bar	4 Sleeves ≥ 50 – ≤ 100 bar	5 Sleeves ≥ 100 – ≤ 315 bar
≥ 10 – < 15	d + 8	H = L	3,5	14	17	20
≥ 15 – < 40	d + 10	H = L	4,0	16	19	22
≥ 40 – < 50	d + 12	H = L	4,5	19	23	27
≥ 50 – < 75	d + 15	H = L	5	22	26,5	32
≥ 75 – < 150	d + 20	H = L	6	32	38	44
≥ 150 – < 200	d + 25	H = L	8,5	35	42	50
≥ 200 – < 300	d + 30	H = L	10	39	47	56
≥ 300 – < 600	d + 40	H = L	13	50	62	74

¹The recommended sleeve height depends on the pressure range and applies to PTFE virgin diet. Installation height L = Sleeve height H! Standard design: 3 sleeves

Material and application parameters

Press. ring TS29FD	Sleeve TS29FV	Support ring TS29FS	Temp. (°C)	max. sliding speed
PTFE glass wear	PTFE virgin diet	PTFE glass wear	-200 – +260	315 bar (31.5 MPa)

The permissible gap dimension depends on the seal material and the design of the seal.
In order to guarantee the function, the gap dimension should be adapted to that of the guide.

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.