

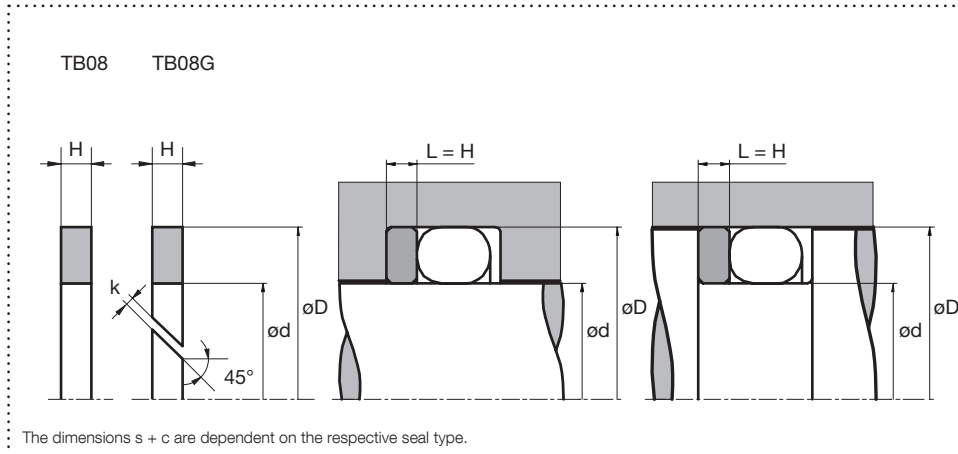


trygonal

Backup Ring TB08/TB08G

Hydraulics/Pneumatics

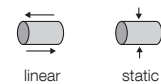
Housing design



Design

- Backup ring in combination with O-ring
- Prevents gap extrusion
- Slotted design for closed installation spaces
- Endless design for open installation spaces

Application



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

Surface finish

Sealing element	PU/Elastomere		PTFE		Material portion	
	Roughness	Rtmax (µm)	Ra (µm)	Rtmax (µm)		Ra (µm)
Sliding surface		≤ 2,5	0,1 – 0,5	≤ 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	≤ 6,3	≤ 1,6	
Groove flanks		≤ 15	≤ 3	≤ 15	≤ 3	

Standard dimensions

from nominal inside diameter $\varnothing d \geq 4,5\text{mm}$

Profile size, surface specifications and tolerances result from the combination with the respective application-specific sealing element. Standard design: cut 45°, cutting gap width 0.

Material and application parameters

Sealing element	Temperature (°C)
HPU premium	-30 – +110
HPU diet	-20 – +110
HPU taiga	-50 – +110
XHPU solid	-30 – +110
XHPU lubric	-20 – +110
PTFE virgin diet	-200 – +260
PTFE glass wear	-200 – +260
POM ¹	-50 – +100
PA6G ¹	-40 – +100
Peek nature diet	-60 – +260

¹ ≤ $\varnothing 280\text{mm}$: POM ; > $\varnothing 280\text{mm}$: 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.