

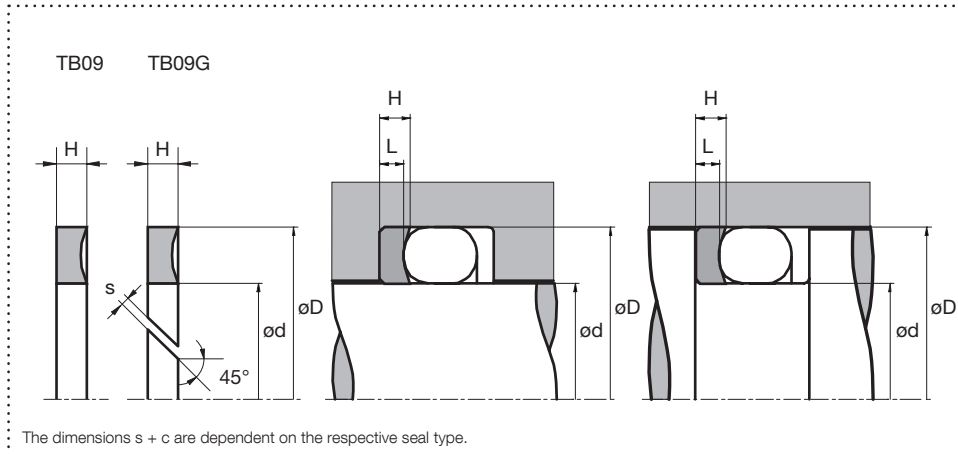


trygonal

# Backup Ring TB09/TB09G

## Hydraulics/Pneumatics

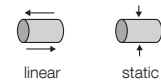
### Housing design



### 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)	
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

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.