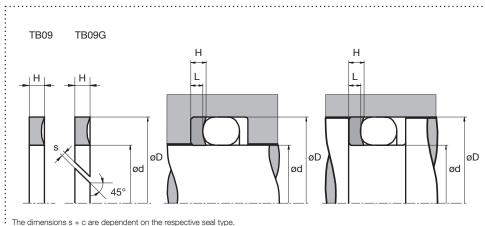


Backup Ring TB09/TB09G

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/Elastomer	e	PTFE		:
Roughness	Rtmax (μm)	Ra (µm)	Rtmax (μm)	Ra (µm)	Material portion
Sliding surface	≤ 2,5	0,1 – 0,5	≤ 2	0,05 - 0,3	Ratio contact area: 50 – 95%
Groove base	≤ 6,3	≤ 1,6	≤ 6,3	≤ 1,6	at a cutting depth of 0.5 x Rz
Groove flanks	≤ 15	i≤ 3	≤ 15	≤ 3	starting from Cref = 0%

Standard dimensions

from nominal inside diameter $ød \ge 4,5mm$

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.

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.