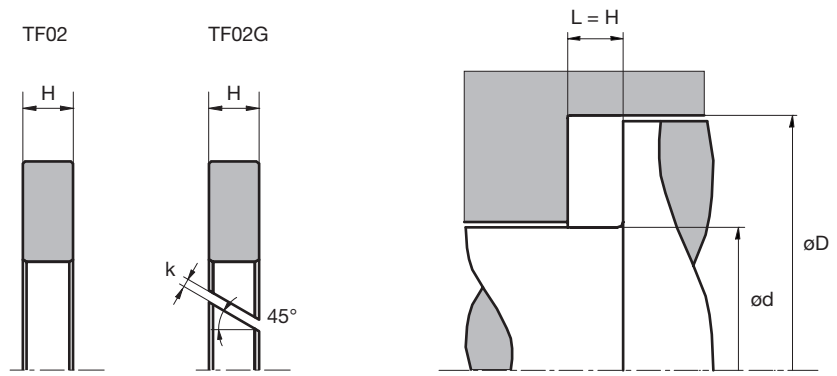
Guide Ring TF02/TF02G

Hydraulics/Pneumatics

Housing design



The dimensions s + c are dependent on the respective seal type.

Design

- Guide element for pistons and rods
- Slotted design for closed installation spaces
- Endless design for open installation spaces
- Also used as spacer ring and washer

Application

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

Surface finish

Sealing element	PU/Elastomere		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	≤ 3	≤ 15	≤ 3	starting from Cref = 0%

Standard dimensions

Smallest nominal inside diameter ød ≥ 3mm

This is not a standard profile and serves only as a replacement in already existing installation spaces.
If possible, standard profiles should be used.

Material and application parameters

Sealing element	Temperature (°C)	max. sliding speed (m/s)	Surface pressure[2]
PTFE glass wear	-200 – +200	4	3,0 N/mm²
PTFE bronze wear	-200 – +200	5	4,5 N/mm²
PTFE bronze wear 60%	-200 – +200	5	7,5 N/mm²
POM[1]	-50 – +100	4	25 N/mm²
PA6G[1]	-40 – +100	4	25 N/mm²
HGW 200	-40 – +130	4	125 N/mm²

[1] ≤ ø280mm: POM ; > ø280mm: PA6G [2] depending on application temperatures and permissible compression. For detailed information see profile description.

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.