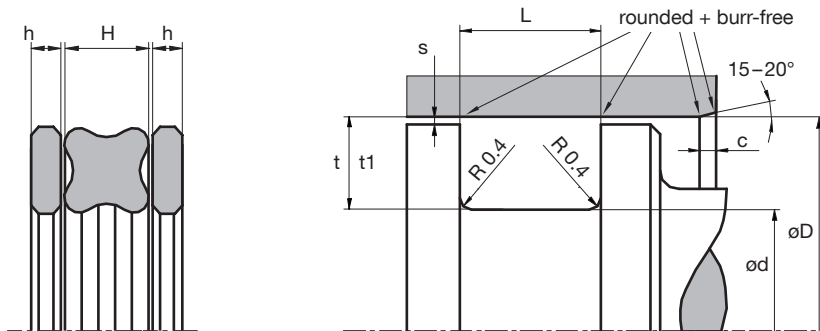**trygonal**

Piston Seal TK37R
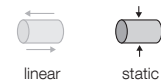
Hydraulics, double acting

Housing design

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

Design

- Use in static as well as dynamic sealing systems
- As O-ring replacement; twisting is prevented
- Use in radial and axial applications

Application

linear   static

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

Surface finish

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

Standard dimensions

OD (AS 568A[1]) (mm)	OD (ISO 3601[2]) (mm)	t[3] (mm)	t1[4] (mm)	L[5] (mm)	L1[6] (mm)	L2[7] (mm)	R (mm)	h (mm)	c (mm)	s (mm)
2,62	2,65	2,25	2,35	3	4,4	5,8	0,3	1,4	3,5	0,08
3,53	3,55	3,1	3,21	4	5,4	6,8	0,4	1,4	4	0,08
5,33	5,3	4,75	4,89	6	7,7	9,4	0,4	1,7	5	0,10
6,99	7	6,2	6,40	8	10,5	13	0,6	2,5	6	0,10

[1]American Standard [2]DIN 3771 [3]t static [4]t1 dynamic [5]L without Support ring [6]L1 with Support ring [7]L2 with 2 Support rings

Material and application parameters

Sealing element	Temperature (°C)	max. sliding speed (m/s)	max. pressure
NBR standard	-30 – +100	nur für statice Anwend. empfohlen	50 bar (5 MPa)
FPM diet br	-50 – +150	nur für statice Anwend. empfohlen	50 bar (5 MPa)
EPDM spring	-20 – +200	nur für statice Anwend. empfohlen	50 bar (5 MPa)
HNBR diet	-25 – +150	nur für statice Anwend. empfohlen	50 bar (5 MPa)
MVQ diet we	-60 – +200	nur für statice Anwend. empfohlen	–
AFLAS® standard	-10 – +200	nur für statice Anwend. empfohlen	50 bar (5 MPa)

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.