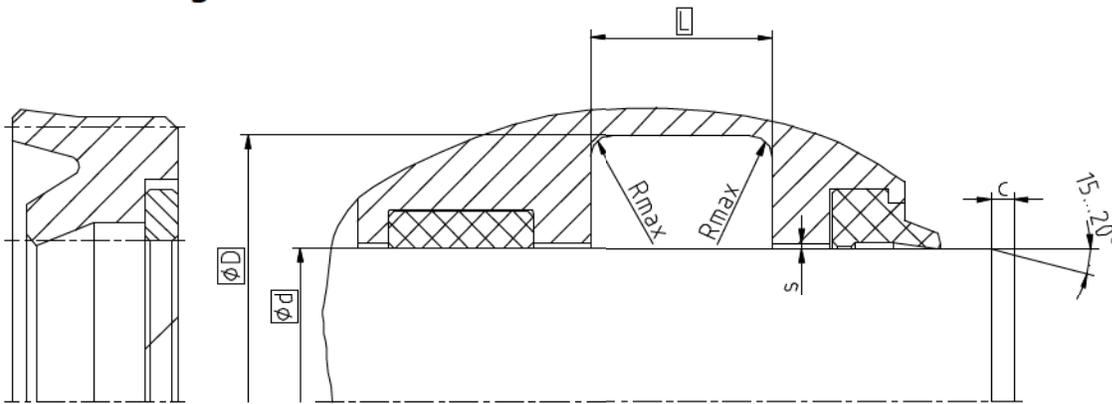


Rod seals

Seal housing



Surface roughness	Rtmax	Ra
Sliding Surface	≤ 2,5 μm	0,1...0,5 μm
Bottom of groove	≤ 6,3 μm	≤ 1,6 μm
Groove face	≤ 15 μm	≤ 3 μm

Ordering dimensions...□

Bearing area: 50...95% and a cutting depth of 0,5xRz based on Cref = 0%

Standard dimensions

ød f8	ØD H10	L +0,2	Rmax	c	max. radial extrusion gap s*			
					20 bar	100 bar	400 bar	700 bar
≥ 23 ... ≤ 25	d + 8	6,3	0,4	3,5	0,80	0,80	0,30	0,04
> 25 ... ≤ 50	d + 10	8,0	0,4	4,0	1,00	1,00	0,37	0,04
> 50 ... ≤ 150	d + 15	10,0	0,4	5,0	1,50	1,47	0,46	0,05
> 150 ... ≤ 300	d + 20	14,0	0,4	6,0	2,00	1,77	0,54	0,06
> 300 ... ≤ 500	d + 25	17,0	0,4	8,5	2,50	2,06	0,62	0,06
> 500 ... ≤ 700	d + 30	25,0	0,4	10,0	3,00	2,43	0,76	0,06
> 700	d + 40	32,0	0,4	13,0	3,00	2,43	0,76	0,06

* Extrusion gap applies to a temperature of 70 °C, higher temperatures require lower values.

Operating parameters

Sealing material	Backup ring	Temperature	max. speed	max. pressure ¹
ECOPUR®	SKF ECOTAL SKF ECOMID ²	-30 °C...+100 °C	0,5 m/s	700 bar (70 MPa)
H-ECOPUR™		-20 °C...+100 °C	0,5 m/s	
S-ECOPUR™		-20 °C...+100 °C	0,7 m/s	
T-ECOPUR™		-40 °C...+100 °C	0,5 m/s	
G-ECOPUR™		-30 °C...+100 °C	0,5 m/s	

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

¹ Pressure ratings depend on the size of the extrusion gap.

² ≤ Ø260mm: SKF ECOTAL ; > Ø260mm: SKF ECOMID

Ordering example

S02-P, d=100mm, D=115mm, L=10mm, ECOPUR® / SKF ECOTAL

Rod Seal S02-P
Profile

100 x 115 x 10
d x D x L

ECOPUR® / SKF ECOTAL
Sealing material / Backup ring