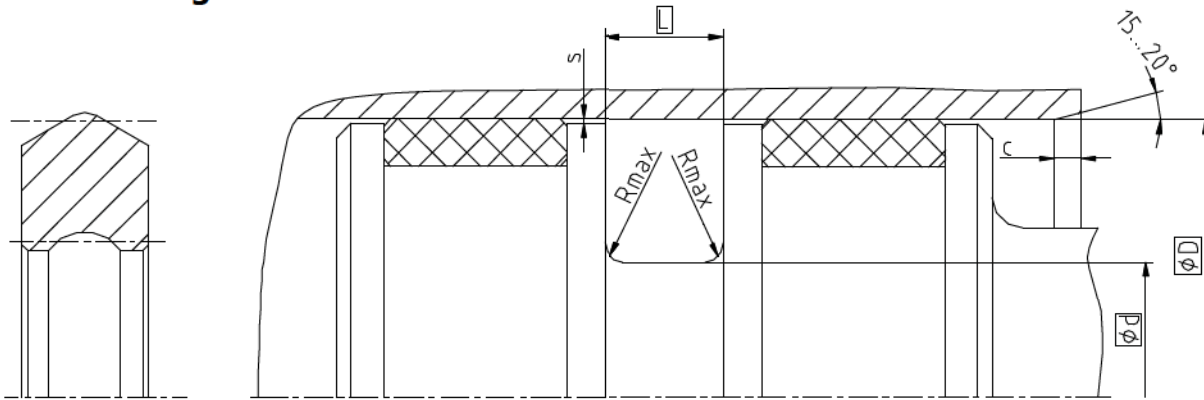


Seal housing



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 H9	Ød h10	L +0,2	Rmax	c	max. radial extrusion gap s*		
					100 bar	200 bar	400 bar
≥ 10 ... < 20	D - 5	4	0,4	2	0,16	0,08	0,03
≥ 20 ... < 40	D - 6	4,5		3	0,18	0,10	0,05
≥ 40 ... < 60	D - 8	5,5		3,5	0,18	0,10	0,05
≥ 60 ... < 100	D - 10	6,5		4	0,23	0,15	0,10
≥ 100 ... < 150	D - 15	9,5		5	0,33	0,25	0,18
≥ 150 ... < 300	D - 20	12,5		6	0,38	0,33	0,25
≥ 300 ... < 500	D - 25	15		8,5	0,45	0,40	0,33
≥ 500 ... ≤ 700	D - 30	17,5		10	0,5	0,45	0,40
> 700 ...	D - 40	22		13	0,65	0,63	0,55

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

Operating parameters

Sealing material	Temperature	max. speed ¹	max. pressure ²
ECOPUR®	-30 °C...+110 °C	0,4 m/s	400 bar (40 MPa)
H-ECOPUR™	-20 °C...+110 °C	0,4 m/s	
S-ECOPUR™	-20 °C...+110 °C	0,5 m/s	
T-ECOPUR™	-50 °C...+110 °C	0,4 m/s	
G-ECOPUR™	-30 °C...+110 °C	0,4 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 Rotary applications max. 0,2 m/s

² Pressure ratings depend on the size of the extrusion gap.

Ordering example

K35-P, D=100mm, d=85mm, L=9,5mm, ECOPUR®

Piston Seal K35-P
Profile

100 x 85 x 9,5
D x d x L

ECOPUR®
Sealing material