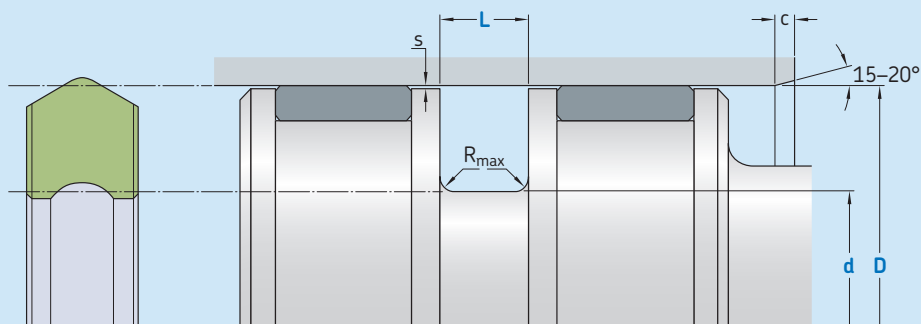


K35-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu\text{m}$	$0,1-0,5 \mu\text{m}$
Bottom of groove	$\leq 6,3 \mu\text{m}$	$\leq 1,6 \mu\text{m}$
Groove face	$\leq 15 \mu\text{m}$	$\leq 3 \mu\text{m}$

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on $C_{ref} = 0\%$

Standard dimensions						maximal radial extrusion gap		
D	H9	d	L	R_{max}	c	s^*		
over	incl.	h10	+ 0,2			100 bar	200 bar	400 bar
mm						mm		
10	20	D - 5	4	0,4	2	0,16	0,08	0,03
20	40	D - 6	4,5	0,4	3	0,18	0,10	0,05
40	60	D - 8	5,5	0,4	3,5	0,18	0,10	0,05
60	100	D - 10	6,5	0,4	4	0,23	0,15	0,10
100	150	D - 15	9,5	0,4	5	0,33	0,25	0,18
150	300	D - 20	12,5	0,4	6	0,38	0,33	0,25
300	500	D - 25	15	0,4	8,5	0,45	0,40	0,33
500	700	D - 30	17,5	0,4	10	0,5	0,45	0,40
700		D - 40	22	0,4	13	0,65	0,63	0,55

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile
D x d x L [mm]
Sealing material

Piston seal K35-P
100 x 85 x 9,5
ECOPUR



Operating parameters

Material Seal	Temperature		Speed ^{1) 2)}	Pressure ³⁾
	from	to	max	max
–	°C		m/s	bar (MPa)
■ ECOPUR	–30			
■ H-ECOPUR	–20			
■ S-ECOPUR		+110	0,4	400 (40)
■ T-ECOPUR	–50			
■ G-ECOPUR	–30			

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.

¹⁾ Surface speed limit values are valid only in the presence of a lubrication film.

²⁾ Rotary applications max. 0,2 m/s

³⁾ Pressure ratings depend on the size of the extrusion gap.

