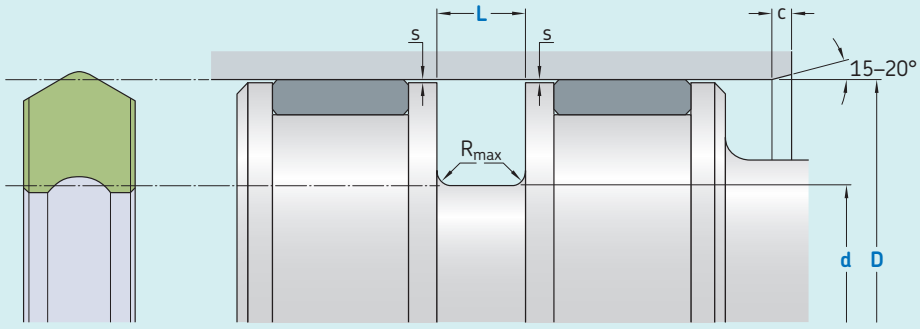
K35-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

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

Standard dimensions D H9 over	incl.	d h10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	200 bar	400 bar
mm						mm			
10	**20**	D – 5	4,0	0,4	2,0	0,31	0,16	0,08	0,03
20	**40**	D – 6	4,5	0,4	3,0	0,33	0,18	0,10	0,05
40	**60**	D – 8	5,5	0,4	3,5	0,33	0,18	0,10	0,05
60	**100**	D – 10	6,5	0,4	4,0	0,37	0,23	0,15	0,10
100	**150**	D – 15	9,5	0,4	5,0	0,46	0,33	0,25	0,18
150	**300**	D – 20	12,5	0,4	6,0	0,54	0,38	0,33	0,25
300	**500**	D – 25	15,0	0,4	8,5	0,61	0,45	0,40	0,33
500	**700**	D – 30	17,5	0,4	10,0	0,67	0,50	0,45	0,40
700	**1 250**	D – 40	22,0	0,4	13,0	0,77	0,50	0,45	0,40
1 250	**2 000**	D – 50	27,0	0,4	15,0	0,87	0,60	0,50	0,40
2 000	**4 000**	D – 60	32,0	0,4	18,0	0,97	0,70	0,50	0,40

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

Ordering example

Profile	**Piston seal K35-P**
D x d x L [mm]	**100 x 85 x 9,5**
Sealing material	**ECOPUR**

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	0,4	400 (*40*)
ECOPUR LD	–35	+110	0,4	400 (*40*)
G-ECOPUR	–30	+110	0,4	400 (*40*)
H-ECOPUR	–20	+110	0,4	400 (*40*)
S-ECOPUR	–20	+110	0,4	400 (*40*)
T-ECOPUR	–50	+110	0,4	400 (*40*)

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

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