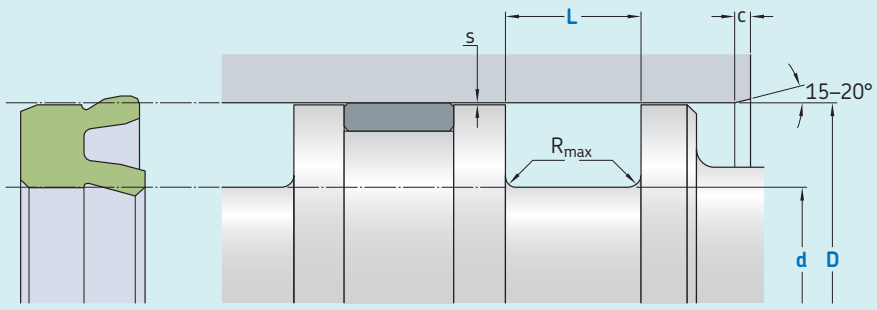
K05-P



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	D H9 incl.	d h10	L + 0,2	R_{max}	c	s* 25 bar
mm						
13	**25**	D – 8	6,0	0,4	3,5	0,33
25	**50**	D – 10	7,0	0,4	4,0	0,37
50	**75**	D – 12	8,0	0,4	4,5	0,42
75	**150**	D – 15	10,0	0,4	5,0	0,46
150	**300**	D – 20	12,0	0,4	6,0	0,54
300	**500**	D – 25	18,0	0,4	8,5	0,61
500	**750**	D – 30	20,0	0,4	10,0	0,67
750		D – 40	26,0	0,4	13,0	0,67

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

Ordering example

Profile	**Piston seal K05-P**
D x d x L [mm]	**100 x 85 x 10**
Sealing material	**ECOPUR**

Operating parameters

Material Seal	Temperature		Speed[1)]	Pressure
	from	to	max	max
	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	1	25 (*2,5*)
ECOPUR LD	–35	+110	1	25 (*2,5*)
G-ECOPUR	–30	+110	1	25 (*2,5*)
H-ECOPUR	–20	+110	1	25 (*2,5*)
S-ECOPUR	–20	+110	2	25 (*2,5*)
T-ECOPUR	–50	+110	1	25 (*2,5*)

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.

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