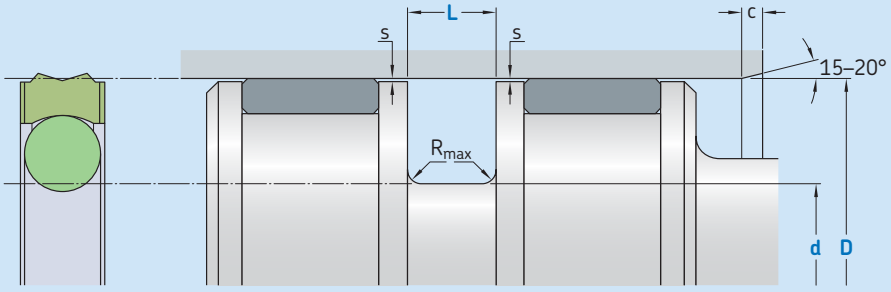
K08-P



Ordering dimensions in **blue**

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

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	c	OD	maximal radial extrusion gap s* 20 bar	100 bar	250 bar
mm							mm		
10	**15**	D – 4,9	2,2	0,4	2,5	1,78	0,35	0,22	0,13
15	**40**	D – 7,5	3,2	0,6	3,5	2,62	0,5	0,30	0,16
40	**80**	D – 11	4,2	1,0	4,5	3,53	0,6	0,34	0,18
80	**133**	D – 15,5	6,3	1,3	5,0	5,33	0,75	0,40	0,21
133	**330**	D – 21	8,1	1,8	6,0	7,00	0,85	0,45	0,24
330	**600**	D – 24,5	8,1	1,8	8,0	7,00	1,0	0,53	0,28

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

Ordering example

Profile	**Piston seal K08-P**
D x d x L [mm]	**100 x 84,5 x 6,3**
Sealing material / Energizer	**ECOPUR / NBR70**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Energizer	from	to	max	max
–		°C		m/s	bar *(MPa)*
ECOPUR	NBR70	–30	+100	1	250 *(25)*
ECOPUR LD					
G-ECOPUR					
H-ECOPUR		–20			
S-ECOPUR				1,4	
T-ECOPUR	MVQ70	–50		1	

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.

PUB SE/P8 11839/1 · March 2015