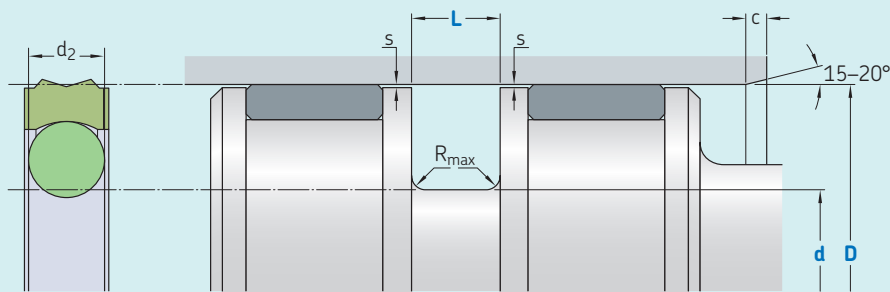


# K08-P



Ordering dimensions in **blue**

Surface roughness	$R_{tmax}$	$R_a$
	$\mu m$	
<b>Sliding surface</b>	$\leq 2,5$	0,05–0,2
<b>Bottom of groove</b>	$\leq 6,3$	$\leq 1,6$
<b>Groove face</b>	$\leq 15$	$\leq 3$

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	d	L	$R_{max}$	c	d <sub>2</sub>	s*	20 bar	100 bar	250 bar
H9	h10	+0,2							
over	incl.								
mm							mm		
<b>15</b>	<b>40</b>	D – 7,5	3,2	0,6	3,5	2,62	0,50	0,30	0,16
<b>40</b>	<b>80</b>	D – 11,0	4,2	1,0	4,5	3,53	0,60	0,34	0,18
<b>80</b>	<b>133</b>	D – 15,5	6,3	1,3	5,0	5,33	0,75	0,40	0,21
<b>133</b>	<b>330</b>	D – 21,0	8,1	1,8	6,0	7,00	0,85	0,45	0,24
<b>330</b>	<b>670</b>	D – 24,5	8,1	1,8	8,0	7,00	1,00	0,53	0,28
<b>670</b>	<b>1 000</b>	D – 28,0	9,5	2,5	10,0	8,40	1,28	0,66	0,35
<b>1 000</b>	<b>3 000</b>	D – 38,0	13,8	3,0	12,0	12,00	1,55	0,80	0,41

\* 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 / Energizer

Piston seal K08-P  
100 x 84,5 x 6,3  
ECOPUR / NBR70

## Operating parameters

Material Seal	Energizer	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		from	to	max	max
		°C		m/s	bar (MPa)
■ ECOPUR	NBR 70	-30	+100	1	250 (25)
■ ECOPUR LD	NBR 70	-30	+100	1	250 (25)
■ G-ECOPUR	NBR 70	-30	+100	1	250 (25)
■ H-ECOPUR	NBR 70	-20	+100	1	250 (25)
■ S-ECOPUR	NBR 70	-20	+100	1	250 (25)
■ T-ECOPUR	MVQ 70	-50	+100	1	250 (25)

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

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

<sup>2)</sup> Pressure ratings depend on the size of the extrusion gap.