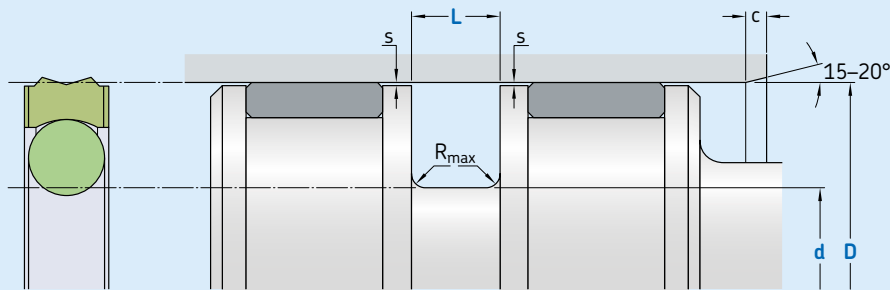


# K08-P



Ordering dimensions in **blue**

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

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	c	OD	$s^*$		
over	incl.	h10	+0,2				20 bar	100 bar	250 bar
mm							mm		
<b>15</b>	<b>40</b>	D-7,5	3,2	0,6	3,5	2,62	0,5	0,30	0,16
<b>40</b>	<b>80</b>	D-11	4,2	1	4,5	3,53	0,6	0,34	0,18
<b>80</b>	<b>133</b>	D-15,5	6,3	1,3	5	5,33	0,75	0,40	0,21
<b>133</b>	<b>330</b>	D-21	8,1	1,8	6	7	0,85	0,45	0,24
<b>330</b>	<b>670</b>	D-24,5	8,1	1,8	8	7	1	0,53	0,28
<b>670</b>	<b>1 000</b>	D-28	9,5	2,5	10	8,4	1,28	0,66	0,35
<b>1 000</b>	<b>3 000</b>	D-38,0	13,8	3	12	12	1,55	0,8	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				
■	ECOPUR LD		–30	1	
■	G-ECOPUR	NBR70			250 (25)
■	H-ECOPUR		+100		
■	S-ECOPUR		–20	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.

<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.