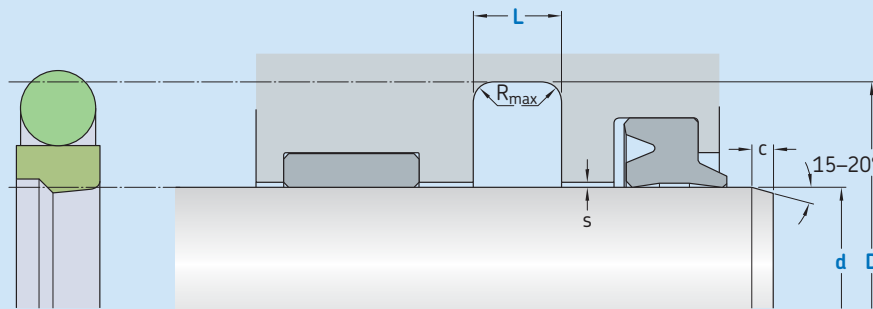


# S09-P



Ordering dimensions in **blue**

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

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	f8	D	L	$R_{max}$	c	OD	$s^*$		
over	incl.	H10	+ 0,2				100 bar	160 bar	250 bar
mm							mm		
<b>4</b>	<b>8</b>	$d + 4,9$	2,2	0,4	2,5	1,78	0,30	0,25	0,20
<b>8</b>	<b>19</b>	$d + 7,3$	3,2	0,6	3,5	2,62	0,40	0,30	0,25
<b>19</b>	<b>38</b>	$d + 10,7$	4,2	1,0	4,5	3,53	0,50	0,35	0,25
<b>38</b>	<b>200</b>	$d + 15,1$	6,3	1,3	5,0	5,33	0,50	0,40	0,30
<b>200</b>	<b>256</b>	$d + 20,5$	8,1	1,8	6,0	7,00	0,70	0,50	0,35
<b>256</b>	<b>600</b>	$d + 24,0$	8,1	1,8	8,0	7,00	0,70	0,50	0,35

\* 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

Rod Seal S09-P  
100 x 115,1 x 6,3  
ECOPUR / NBR70

## Operating parameters

Material Glide ring	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		+100		250 (25)
■ 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.

<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.