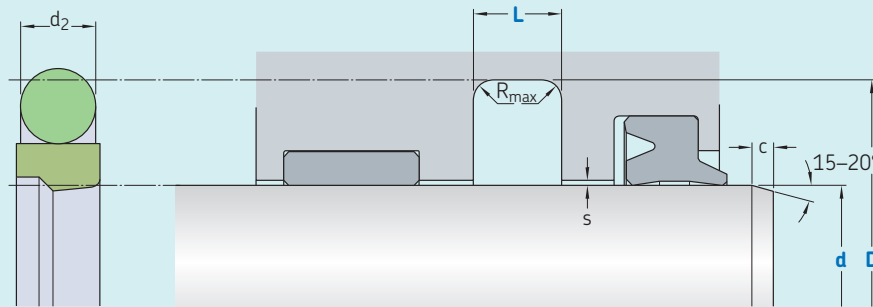


S09-P



Ordering dimensions in **blue**

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

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on $C_{ref} = 0\%$

Standard dimensions							Maximal radial extrusion gap		
d	f8	D	L	R_{max}	c	d_2	s^*		
	over	H10	+ 0,2				100 bar	160 bar	250 bar
							mm		
4	8	d + 4,9	2,2	0,4	2,5	1,78	0,30	0,25	0,20
8	19	d + 7,3	3,2	0,6	3,5	2,62	0,40	0,30	0,25
19	38	d + 10,7	4,2	1,0	4,5	3,53	0,50	0,35	0,25
38	200	d + 15,1	6,3	1,3	5,0	5,33	0,50	0,40	0,30
200	256	d + 20,5	8,1	1,8	6,0	7,00	0,70	0,50	0,35
256	600	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 / NBR 70

Operating parameters

Material Glide ring	Energizer	Temperature		Speed ¹⁾	Pressure ²⁾
		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.

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.