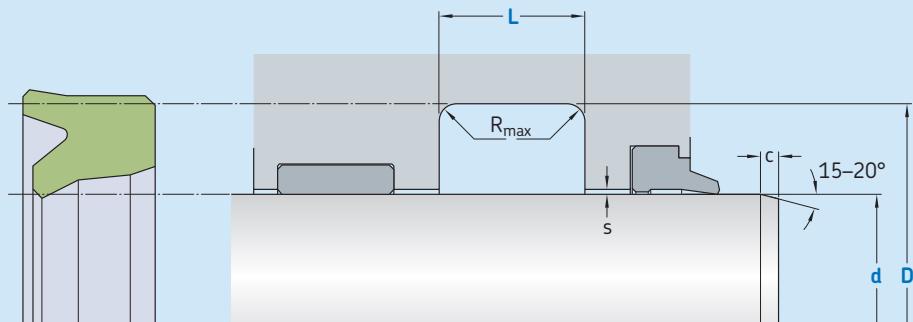


S01-P



Ordering dimensions in **blue**

Surface roughness	$R_{t\max}$	R_a
Sliding surface	$\leq 2,5 \mu\text{m}$	$0,1\text{--}0,5 \mu\text{m}$
Bottom of groove	$\leq 6,3 \mu\text{m}$	$\leq 1,6 \mu\text{m}$
Groove face	$\leq 15 \mu\text{m}$	$\leq 3 \mu\text{m}$

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

Standard dimensions		d f8 over	D H10 incl.	L $+ 0,2$	$R_{t\max}$	c	maximal radial extrusion gap			
mm	mm						20 bar	100 bar	200 bar	400 bar
11	25	d + 8	6,3	0,4	3,5	0,33	0,17	0,11	0,05	
25	50	d + 10	8,0	0,4	4,0	0,37	0,22	0,16	0,10	
50	150	d + 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19	
150	300	d + 20	14,0	0,4	6,0	0,54	0,39	0,32	0,26	
300	500	d + 25	17,0	0,4	8,5	0,61	0,46	0,39	0,33	
500	700	d + 30	25,0	0,4	10,0	0,67	0,52	0,45	0,39	
700		d + 40	32,0	0,4	13,0	0,67	0,52	0,45	0,39	

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

Ordering example

Profile
 $d \times D \times L$ [mm]
Sealing material

Rod seal S01-P
100 x 115 x 10
ECOPUR



Operating parameters

Material Seal	Temperature		Speed ¹⁾	Pressure ²⁾
	from	to	max	max
-	°C		m/s	bar (MPa)
■ ECOPUR	-30		0,5	
■ H-ECOPUR				
■ S-ECOPUR	-20	+110	0,7	400 (40)
■ T-ECOPUR	-50		0,5	
■ G-ECOPUR	-30			

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.

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