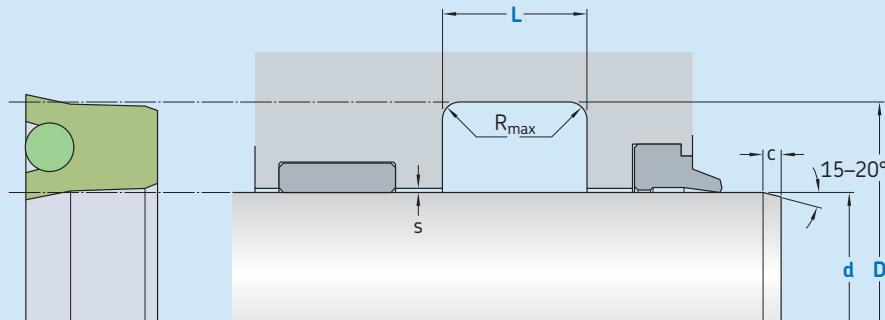


# S21-P



Ordering dimensions in blue

	Surface roughness $R_{t\max}$	$R_a$
<b>Sliding surface</b>	$\leq 2,5 \mu\text{m}$	$0,1\text{--}0,5 \mu\text{m}$
<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		$d$ f8 over	$D$ H10 incl.	$L$ $+ 0,2$	$R_{t\max}$	$c$	maximal radial extrusion gap			
mm	mm						mm*	20 bar	100 bar	200 bar
5	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	600	d + 30	25,0	0,4	10,0	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 / Energizer

Rod Seal S21-P

100 x 115 x 10

ECOPUR / NBR70



**Operating parameters**

Material Seal	Energizer	Temperature		Speed <sup>1)</sup> max	Pressure <sup>2)</sup> max
		from	to		
-		°C		m/s	bar (MPa)
ECOPUR		-30			
H-ECOPUR	NBR 70	-20	+100	0,5	
S-ECOPUR				0,7	400 (40)
T-ECOPUR	MVQ70	-50	+110	0,5	

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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