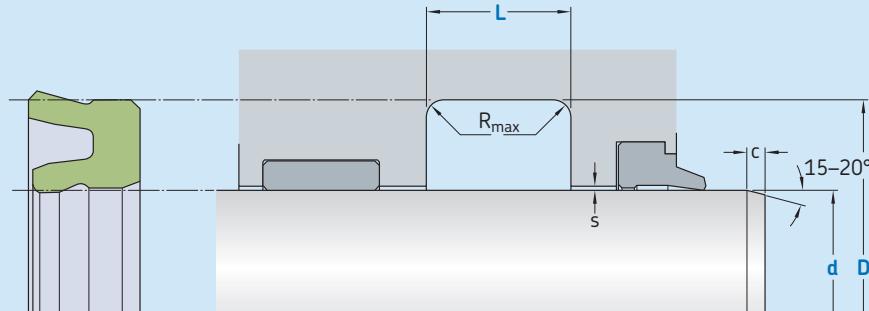


# S05-P



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	L	$R_{t\max}$	c	$s^*$
d	f8 over incl.	H10	+ 0,2			
mm						
5	25	d + 8	6,3	0,4	3,5	0,33
25	50	d + 10	8,0	0,4	4,0	0,37
50	150	d + 12	9,0	0,4	5,0	0,46
150	300	d + 16	14,0	0,4	6,0	0,54
300	500	d + 20	17,0	0,4	8,5	0,61
500	700	d + 24	25,0	0,4	10,0	0,67
700	1 000	d + 30	32,0	0,4	13,0	0,67
1 000		d + 40	32,0	0,4	13,0	0,67

\* 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

Rod seal S05-P  
100 x 112 x 10  
ECOPUR



**Operating parameters**

Material Seal	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
	from	to	max	max
-	°C		m/s	bar (MPa)
■ ECOPUR	-30		1	
■ H-ECOPUR				
■ S-ECOPUR	-20	+110	2	25 (2,5)
■ T-ECOPUR	-50		1	
■ G-ECOPUR	-30			

**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.

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PUB SE/P8 11905 EN · March 2012

