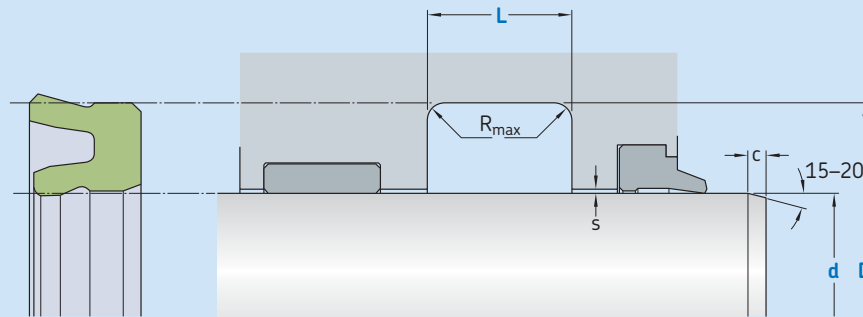


# S05-P



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

d	f8	D	L	$R_{max}$	c	$s^*$
over	incl.	H10	+ 0,2			
mm						
<b>5</b>	<b>25</b>	d + 8	6,3	0,4	3,5	0,33
<b>25</b>	<b>50</b>	d + 10	8,0	0,4	4,0	0,37
<b>50</b>	<b>150</b>	d + 12	9,0	0,4	5,0	0,46
<b>150</b>	<b>300</b>	d + 16	14,0	0,4	6,0	0,54
<b>300</b>	<b>500</b>	d + 20	17,0	0,4	8,5	0,61
<b>500</b>	<b>700</b>	d + 24	25,0	0,4	10,0	0,67
<b>700</b>	<b>1 000</b>	d + 30	32,0	0,4	13,0	0,67
<b>1 000</b>		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			
■ ECOPUR LD	–35			
■ G-ECOPUR	–30	+110	1	25 (2,5)
■ H-ECOPUR	–20			
■ S-ECOPUR			2	
■ T-ECOPUR	–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.