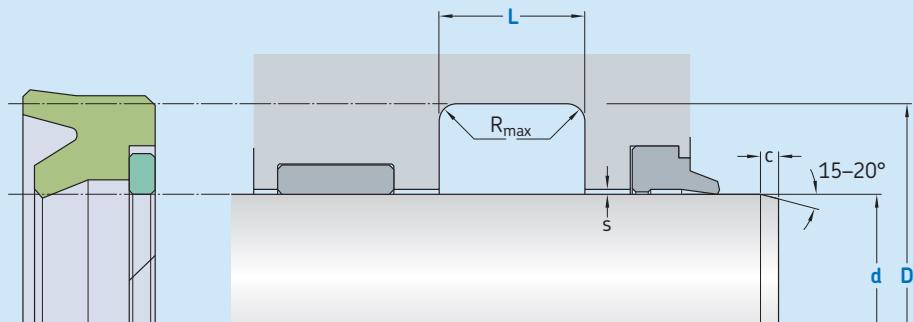


# S02-P



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		$L$	$R_{t\max}$	$c$	maximal radial extrusion gap				
$d$	$f8$	$D$	$H10$	$+ 0,2$			$s^*$	20 bar	100 bar	400 bar	700 bar
mm										mm	
mm										mm	
23	25	d + 8	6,3	0,4	3,5	0,80	0,80	0,30	0,04		
25	50	d + 10	8,0	0,4	4,0	1,00	1,00	0,37	0,04		
50	150	d + 15	10,0	0,4	5,0	1,50	1,47	0,46	0,05		
150	300	d + 20	14,0	0,4	6,0	2,00	1,77	0,54	0,06		
300	500	d + 25	17,0	0,4	8,5	2,50	2,06	0,62	0,06		
500	700	d + 30	25,0	0,4	10,0	3,00	2,43	0,76	0,06		
700		d + 40	32,0	0,4	13,0	3,00	2,43	0,76	0,06		

\* 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 / Backup ring

Rod seal S02-P

100 x 115 x 10

ECOPUR / SKF Ecotal



**Operating parameters**

Material Seal	Backup ring	Temperature		Speed <sup>1)</sup> max	Pressure <sup>2)</sup> max
		from	to		
-		°C		m/s	bar (MPa)
■ ECOPUR		-30			
■ H-ECOPUR			0,5		
■ S-ECOPUR	■ SKF Ecotal	-20			
■ T-ECOPUR	■ SKF Ecomid <sup>3)</sup>		+100	0,7	700 (70)
■ G-ECOPUR		-40			
		-30		0,5	

**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.

<sup>3)</sup> D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.

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