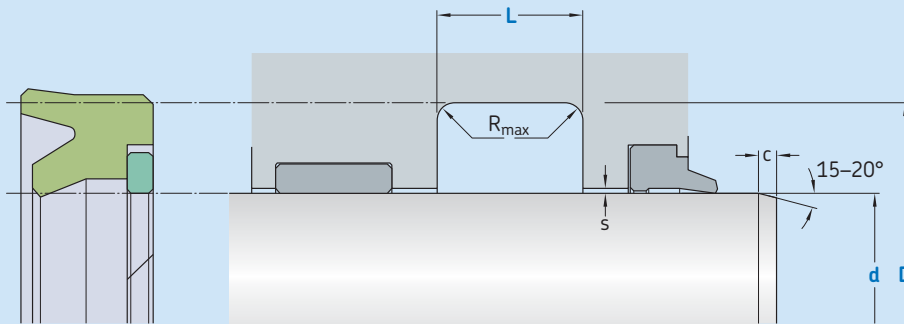


S02-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu\text{m}$	$0,1-0,5 \mu\text{m}$
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						Maximal radial extrusion gap			
d	f8	D	L	R_{max}	c	s^*			
over	incl.	H10	+ 0,2			20 bar	100 bar	400 bar	700 bar
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 x D x L [mm]
Sealing material / Backup ring

Rod seal S02-P
100 x 115 x 10
ECOPUR / SKF Ecotal

Operating parameters

Material Seal	Back-up ring	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
■ ECOPUR		-30		0,5	700 (70)
■ ECOPUR LD		-35			
■ G-ECOPUR	■ SKF Ecotal ³⁾	-30	+100		
■ H-ECOPUR	■ SKF Ecomid ³⁾	-20		0,7	
■ S-ECOPUR		-40		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.

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