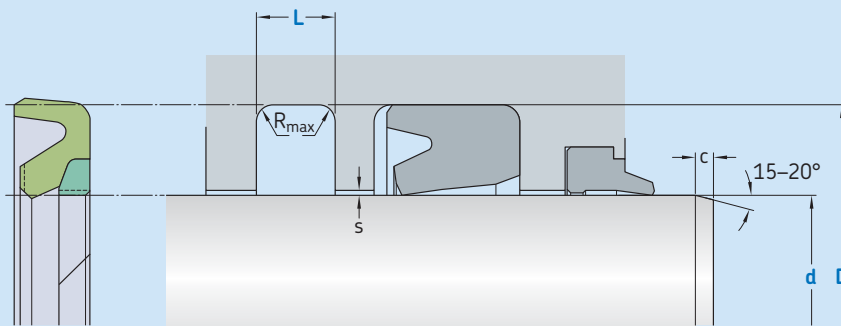


S02-S



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu m$	$0,05-0,3 \mu m$
Bottom of groove	$\leq 6,3 \mu m$	$\leq 1,6 \mu m$
Groove face	$\leq 15 \mu m$	$\leq 3 \mu m$

Bearing area: 50–95% and a cutting depth of $0,5 R_z$, based on $C_{ref} = 0\%$

Standard dimensions						Maximal radial extrusion gap			
d	D	L	R_{max}	c	s^*				
f8	H10	+ 0,2				100 bar	200 bar	400 bar	600 bar
over	incl.								
mm						mm			
10	19	d + 7,3	3,2	0,6	3,5	0,40	0,25	0,15	0,05
19	38	d + 10,7	4,2	1,0	4,5	0,40	0,25	0,20	0,10
38	200	d + 15,1	6,3	1,3	5,0	0,50	0,30	0,20	0,10
200	256	d + 20,5	8,1	1,8	6,0	0,60	0,35	0,25	0,15
256	600	d + 24,0	8,1	1,8	8,0	0,60	0,35	0,25	0,15

* 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-S
100 x 115 x 6,3
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	400 (40)
■ H-ECOPUR	■ SKF Ecotal ³⁾	-20	+100		
■ S-ECOPUR	■ SKF Ecomid ³⁾			0,7	
■ T-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.