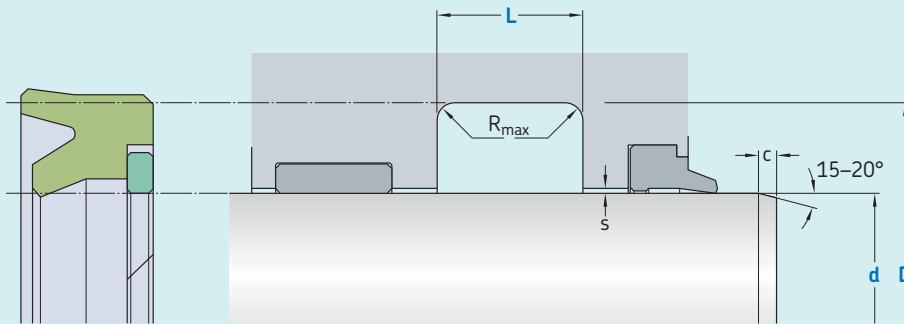


S02-P



Ordering dimensions in **blue**

Surface roughness	R _{tmax}	R _a
	μm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

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*	20 bar	100 bar	400 bar	700 bar
	over	H10	+ 0,2							
	incl.									
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 / Back-up ring

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

Operating parameters

Material Seal	Back-up ring ³⁾	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
■ ECOPUR	■ SKF Ecotal	-30	+100	0,5	700 (70)
■ ECOPUR	■ SKF Ecomid	-30	+110	0,5	700 (70)
■ ECOPUR LD	■ SKF Ecomid	-35	+110	0,5	700 (70)
■ G-ECOPUR	■ SKF Ecomid	-30	+110	0,5	700 (70)
■ H-ECOPUR	■ SKF Ecotal	-20	+100	0,5	700 (70)
■ H-ECOPUR	■ SKF Ecomid	-20	+110	0,5	700 (70)
■ S-ECOPUR	■ SKF Ecotal	-20	+100	0,5	700 (70)
■ S-ECOPUR	■ SKF Ecomid	-20	+110	0,5	700 (70)
■ T-ECOPUR	■ SKF Ecotal	-50	+100	0,5	700 (70)
■ T-ECOPUR	■ SKF Ecomid	-40	+110	0,5	700 (70)

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⁾ Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

