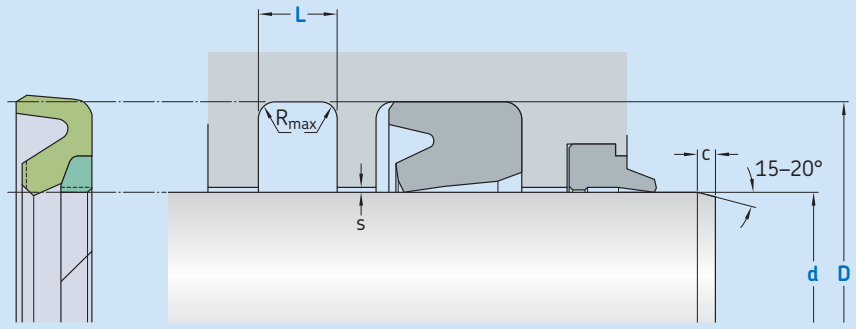
S02-S



Ordering dimensions in **blue**

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

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

Standard dimensions

d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 100 bar	200 bar	400 bar	600 bar
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	**Rod seal S02-S**
d x D x L [mm]	**100 x 115 x 6,3**
Sealing material / Backup ring	**ECOPUR / SKF Ecotal**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Back-up ring	from	to	max	max
–		°C		m/s	bar *(MPa)*
■ ECOPUR	■ SKF Ecotal[3] ■ SKF Ecomid[3]	–30	+100	0,5	400 *(40)*
■ H-ECOPUR		–20		0,7	
■ S-ECOPUR					
■ 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.

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