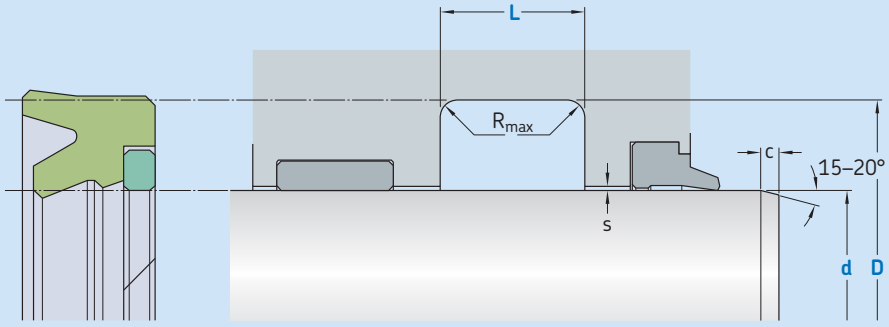
S18-P



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* 20 bar	100 bar	400 bar	600 bar
mm						mm			
23	**25**	d + 8	8,0	0,4	3,5	0,80	0,80	0,30	0,11
25	**50**	d + 10	9,0	0,4	4,0	1,00	1,00	0,37	0,14
50	**150**	d + 15	14,0	0,4	5,0	1,50	1,47	0,46	0,17
150	**300**	d + 20	17,0	0,4	6,0	2,00	1,77	0,54	0,18
300	**500**	d + 25	20,0	0,4	8,5	2,50	2,06	0,62	0,20
500	**600**	d + 30	25,0	0,4	10,0	3,00	2,43	0,76	0,25

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S18-P**
d x D x L [mm]	**100 x 115 x 13**
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	600 *(60)*
■ ECOPUR LD	■ SKF Ecomid	–35			
■ G-ECOPUR		–30			
■ H-ECOPUR	■ SKF Ecotal[3] ■ SKF Ecomid[3]	–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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