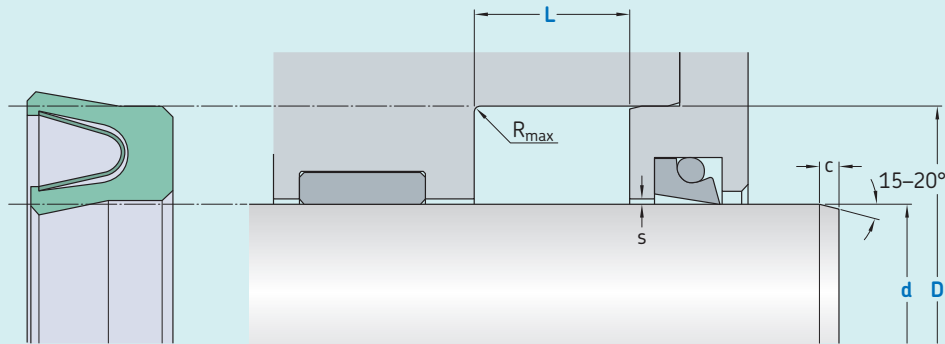


S19-F



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	μm	

Sliding surface ≤ 2 0,05–0,2

Bottom of groove $\leq 6,3$ $\leq 1,6$

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	D	L	R_{max}	c	s^*	20 bar	100 bar	200 bar	300 bar	400 bar
f8	H10	+ 0,2								
over	incl.									
mm						mm				
8	18	d + 4,5	3,6	0,4	2,0	0,25	0,12	0,10	0,08	0,07
18	50	d + 6,2	4,8	0,4	3,0	0,35	0,17	0,12	0,10	0,08
50	120	d + 9,4	7,1	0,4	4,0	0,45	0,22	0,17	0,12	0,10
120	630	d + 12,2	9,5	0,4	5,0	0,60	0,31	0,25	0,15	0,12
630	1 600	d + 19,0	15,0	0,4	6,0	0,87	0,48	0,38	0,28	0,20






* Extrusion gap values shown above are valid for a temperature of 80 °C, higher temperatures require lower values.

Ordering example

Profile
d x D x L [mm]
Sealing material / Spring

Rod Seal S19-F
100 x 109,4 x 7,1
SKF Ecoflon 3 / 1.4310

Operating parameters

Material Seal	Spring	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
 SKF Ecoflon 1	1.4310	-200	+260	15	200 (20)
 SKF Ecoflon 2	1.4310	-200	+260	15	400 (40)
 SKF Ecoflon 3	1.4310	-200	+260	15	400 (40)
 SKF Ecoflon 4	1.4310	-200	+260	15	400 (40)
 SKF Ecowear 1000	1.4310	-200	+90	15	200 (20)

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.