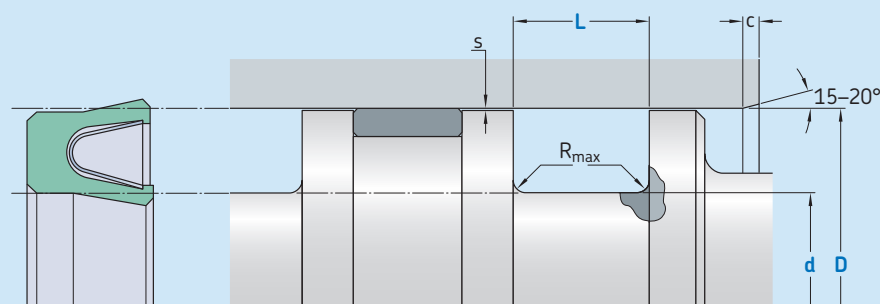


K19-F



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2 \mu m$	0,05–0,3 μm
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^*					
H9	d	+ 0,2				20 bar	100 bar	200 bar	300 bar	400 bar
over	h10									
incl.										
mm						mm				
10	18	D – 4,5	3,6	0,3	1,13	0,25	0,12	0,10	0,08	0,07
18	50	D – 6,2	4,8	0,3	1,55	0,35	0,17	0,12	0,1	0,08
50	120	D – 9,4	7,1	0,3	2,35	0,45	0,22	0,17	0,12	0,1
120	630	D – 12,2	9,5	0,3	3,05	0,6	0,31	0,25	0,15	0,12
630	1 600	D – 19	15	0,3	4,75	0,87	0,48	0,38	0,28	0,2

* 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

Piston seal K19-F
100 x 90,6 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					200 (20)
SKF Ecoflon 2 SKF Ecoflon 3 SKF Ecoflon 4	1.4310	-200	+260	15	400 (40)
SKF Ecowear 1000			+90		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.

