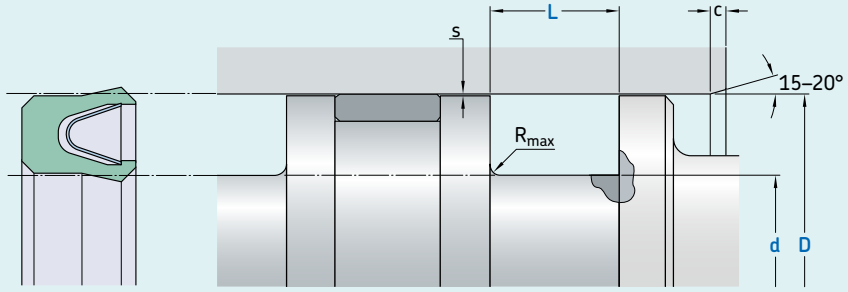
K19-B



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2	0.05–0.2
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 D H9 over	incl.	d h10	L + 0.2	R_{max}	c	**Maximal radial extrusion gap** $s^{1)}$ 20 bar	100 bar	200 bar	300 bar	400 bar
mm						mm				
26[2)]	**50**	D – 6.2	4.8	0.3	1.55	0.35	0.17	0.12	0.10	0.08
50	**120**	D – 9.4	7.1	0.3	2.35	0.45	0.22	0.17	0.12	0.10
120	**630**	D – 12.2	9.5	0.3	3.05	0.60	0.31	0.25	0.15	0.12
630	**1 600**	D – 19.0	15.0	0.3	4.75	0.87	0.48	0.38	0.28	0.20

[1)] Extrusion gap values shown above are valid for a temperature of 80 °C, higher temperatures require lower values.
[2)] Smaller diameter available on request.

Ordering example

Profile	**Piston seal K19-B**
D x d x L [mm]	**100 x 90.6 x 7.1**
Sealing material / Spring	**SKF Ecoflon 3 / 1.4310**

Operating parameters

Material Seal	Spring	Temperature from	 to	Speed[1] max	Pressure[2] max
		°C		m/s	bar *(MPa)*
SKF Ecoflon 1	1.4310	−200	+260	15	200 *(20)*
SKF Ecoflon 1	2.4711	−200	+260	15	200 *(20)*
SKF Ecoflon 2	1.4310	−200	+260	15	400 *(40)*
SKF Ecoflon 2	2.4711	−200	+260	15	400 *(40)*
SKF Ecoflon 3	1.4310	−200	+260	15	400 *(40)*
SKF Ecoflon 3	2.4711	−200	+260	15	400 *(40)*
SKF Ecoflon 4	1.4310	−200	+260	15	400 *(40)*
SKF Ecoflon 4	2.4711	−200	+260	15	400 *(40)*
SKF Ecowear 1000	1.4310	−200	+90	15	200 *(20)*
SKF Ecowear 1000	2.4711	−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.

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