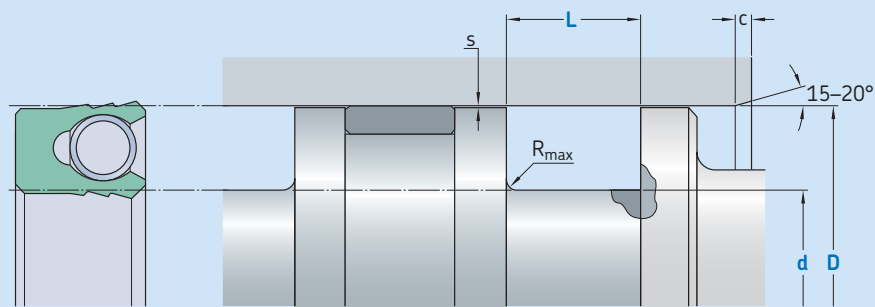


K03-S



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2 \mu m$	$0,05-0,2 \mu m$
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	H9	d	L	R_{max}	c	s^*			
over	incl.	h10	+ 0,2			20 bar	100 bar	200 bar	400 bar
mm						mm			
9	15	D - 4	3,5	0,4	2,0	0,25	0,12	0,10	0,07
15	30	D - 6	5,0	0,4	3,0	0,35	0,17	0,12	0,08
30	120	D - 10	8,0	0,4	4,0	0,45	0,22	0,17	0,10
120	200	D - 15	11,5	0,4	5,0	0,75	0,40	0,33	0,18
200	250	D - 20	13,0	0,4	6,0	0,87	0,48	0,38	0,20
250	500	D - 25	18,5	0,4	8,5	0,87	0,48	0,38	0,20
500	1600	D - 30	23,0	0,4	10,0	0,87	0,48	0,38	0,20

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

Ordering example

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

Piston seal K03-S
103 x 90 x 9,5
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	1.4310 ³⁾ 2.4711 ⁴⁾	-200	+260	1	400 (40)
SKF Ecoflon 3					
SKF Ecoflon 4					
SKF Ecowear 1000			+90	0,5	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.

³⁾ Available for standard and x00 spring versions.

⁴⁾ Available for x00 spring versions.