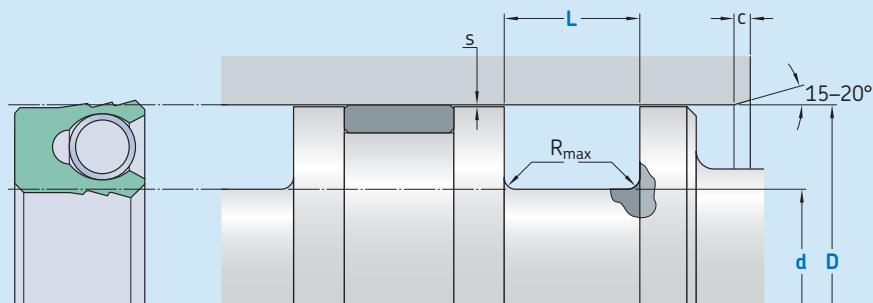


K03-S



Ordering dimensions in **blue**

Surface roughness	$R_{t\max}$	R_a
Sliding surface	$\leq 2 \mu\text{m}$	$0,05\text{--}0,3 \mu\text{m}$
Bottom of groove	$\leq 6,3 \mu\text{m}$	$\leq 1,6 \mu\text{m}$
Groove face	$\leq 15 \mu\text{m}$	$\leq 3 \mu\text{m}$

Bearing area: 50–95% and a cutting depth of $0,5 R_z$ based on $C_{ref} = 0\%$

D H9 over	d h10 incl.	L $+0,2$	$R_{t\max}$	C	maximal radial extrusion gap			
					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
15	30	D - 6	5,0	0,4	3,0	0,35	0,17	0,12
30	120	D - 10	8,0	0,4	4,0	0,45	0,22	0,17
120	200	D - 15	11,5	0,4	5,0	0,75	0,40	0,33
200	250	D - 20	13,0	0,4	6,0	0,87	0,48	0,38
250	500	D - 25	18,5	0,4	8,5	0,87	0,48	0,38
500	1600	D - 30	23,0	0,4	10,0	0,87	0,48	0,38

* 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

100 x 90 x 8

SKF Ecoflon 3 / 1.4310



Operating parameters

Material Seal	Spring	Temperature	Speed ¹⁾	Pressure ²⁾
–		from °C	to m/s	max bar (MPa)
■ SKF Ecoflon 1				200 (20)
■ SKF Ecoflon 2				
■ SKF Ecoflon 3	1.4310	-200	+260	1
■ SKF Ecoflon 4				400 (40)
■ 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 operating conditions.

values simultaneously.

¹⁾ Surface speed limit values are valid only in the presence of a lubrication film.
²⁾ Reaction time based on the time of the transition.

2) Pressure ratings depend on the size of the extrusion gap.

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