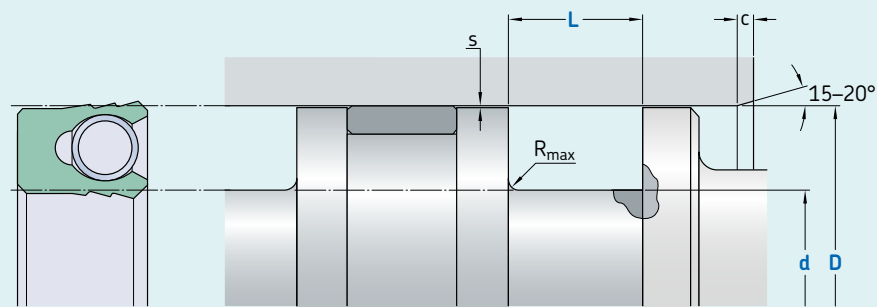


K03-S



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^*					
H9	h10	+ 0,2				20 bar	100 bar	200 bar	300 bar	400 bar
over	incl.									
mm						mm				
10	15	D – 4	3,5	0,4	2,0	0,25	0,12	0,10	0,08	0,07
15	30	D – 6	5,0	0,4	3,0	0,35	0,17	0,12	0,10	0,08
30	120	D – 10	8,0	0,4	4,0	0,45	0,22	0,17	0,12	0,10
120	200	D – 15	11,5	0,4	5,0	0,75	0,40	0,33	0,25	0,18
200	250	D – 20	13,0	0,4	6,0	0,87	0,48	0,38	0,28	0,20
250	500	D – 25	18,5	0,4	8,5	0,87	0,48	0,38	0,28	0,20
500	1600	D – 30	23,0	0,4	10,0	0,87	0,48	0,38	0,28	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 93 x 8
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	1	200 (20)
SKF Ecoflon 2	1.4310	-200	+260	1	400 (40)
SKF Ecoflon 3	1.4310	-200	+260	1	400 (40)
SKF Ecoflon 4	1.4310	-200	+260	1	400 (40)
SKF Ecowear 1000	1.4310	-200	+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.