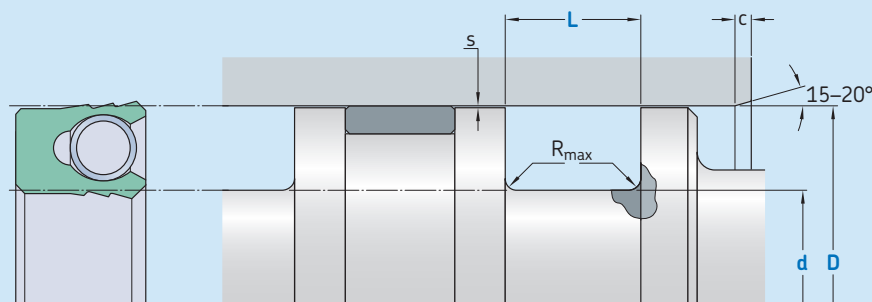


# K03-S



Ordering dimensions in **blue**

Surface roughness	$R_{tmax}$	$R_a$
<b>Sliding surface</b>	$\leq 2 \mu m$	$0,05-0,3 \mu m$
<b>Bottom of groove</b>	$\leq 6,3 \mu m$	$\leq 1,6 \mu m$
<b>Groove face</b>	$\leq 15 \mu m$	$\leq 3 \mu m$

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 over	incl. h10	+ 0,2				20 bar	100 bar	200 bar	400 bar
mm						mm			
<b>9</b>	<b>15</b>	D - 4	3,5	0,4	2,0	0,25	0,12	0,10	0,07
<b>15</b>	<b>30</b>	D - 6	5,0	0,4	3,0	0,35	0,17	0,12	0,08
<b>30</b>	<b>120</b>	D - 10	8,0	0,4	4,0	0,45	0,22	0,17	0,10
<b>120</b>	<b>200</b>	D - 15	11,5	0,4	5,0	0,75	0,40	0,33	0,18
<b>200</b>	<b>250</b>	D - 20	13,0	0,4	6,0	0,87	0,48	0,38	0,20
<b>250</b>	<b>500</b>	D - 25	18,5	0,4	8,5	0,87	0,48	0,38	0,20
<b>500</b>	<b>1600</b>	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  
100 x 90 x 8  
SKF Ecoflon 3 / 1.4310



## Operating parameters

Material Seal	Spring	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		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	1	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 values simultaneously.

<sup>1)</sup> Surface speed limit values are valid only in the presence of a lubrication film.

<sup>2)</sup> Pressure ratings depend on the size of the extrusion gap.

