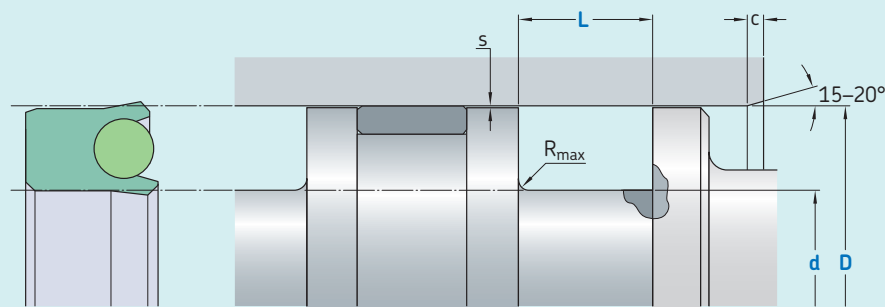


# K03-F



Ordering dimensions in **blue**

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

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	400 bar
over	incl.								
mm						mm			
<b>13</b>	<b>25</b>	D – 8	6,4	0,4	3,5	0,40	0,20	0,15	0,09
<b>25</b>	<b>50</b>	D – 10	8,5	0,4	4,0	0,45	0,22	0,17	0,10
<b>50</b>	<b>75</b>	D – 12	10,0	0,4	4,5	0,60	0,36	0,25	0,14
<b>75</b>	<b>150</b>	D – 15	12,3	0,4	5,0	0,75	0,40	0,33	0,18
<b>150</b>	<b>300</b>	D – 20	16,0	0,4	6,0	0,87	0,48	0,38	0,20
<b>300</b>	<b>500</b>	D – 25	19,8	0,4	8,5	0,87	0,48	0,38	0,20
<b>500</b>	<b>600</b>	D – 30	24,5	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 / Energizer

Piston seal K03-F  
**100 x 85 x 12,3**  
 SKF Ecoflon 3 / FPM75

## Operating parameters

Material Seal	Energizer	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		from	to	max	max
		°C		m/s	bar (MPa)
SKF Ecoflon 1	NBR 70	-30	+100	1,0	200 (20)
SKF Ecoflon 1	MVQ 70	-55	+200	1,0	200 (20)
SKF Ecoflon 2	NBR 70	-30	+100	1,0	400 (40)
SKF Ecoflon 2	FPM 75	-20	+200	1,0	400 (40)
SKF Ecoflon 2	EPDM 70	-50	+150	1,0	400 (40)
SKF Ecoflon 2	MVQ 70	-55	+200	1,0	400 (40)
SKF Ecoflon 3	NBR 70	-30	+100	1,0	400 (40)
SKF Ecoflon 3	FPM 75	-20	+200	1,0	400 (40)
SKF Ecoflon 3	EPDM 70	-50	+150	1,0	400 (40)
SKF Ecoflon 3	MVQ 70	-55	+200	1,0	400 (40)
SKF Ecoflon 4	NBR 70	-30	+100	1,0	400 (40)
SKF Ecoflon 4	FPM 75	-20	+200	1,0	400 (40)
SKF Ecoflon 4	EPDM 70	-50	+150	1,0	400 (40)
SKF Ecoflon 4	MVQ 70	-55	+200	1,0	400 (40)
SKF Ecowear 1000	NBR 70	-30	+90	0,5	200 (20)
SKF Ecowear 1000	MVQ 70	-55	+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.