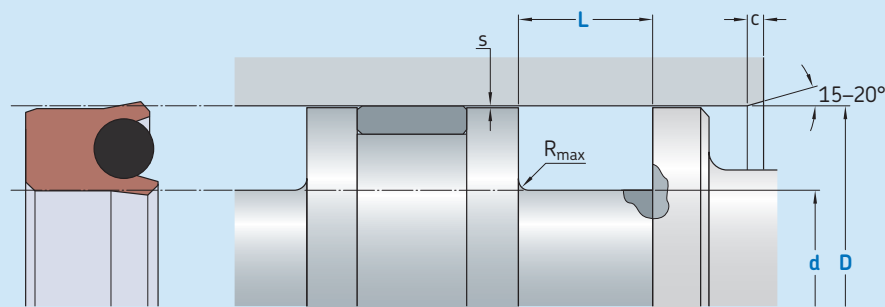


# DK03-F



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	d	L	$R_{max}$	c	$s^{1)}$				
H9	incl.	$+0,2$				20 bar	100 bar	200 bar	400 bar
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>200</b>	D – 20	16,0	0,4	6	0,87	0,48	0,38	0,20

<sup>1)</sup> 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 / Backup ring

Piston seal DK03-F  
100 x 85 x 12,3  
SKF Ecoptfe / 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 Eoptfe	EPDM70	–50	+150	1,0	400 (40)
■ SKF Eoptfe	FPM75	–20	+200	1,0	400 (40)
■ SKF Eoptfe	MVQ70	–55	+200	1,0	400 (40)
■ SKF Eoptfe	NBR70	–30	+100	1,0	400 (40)

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.