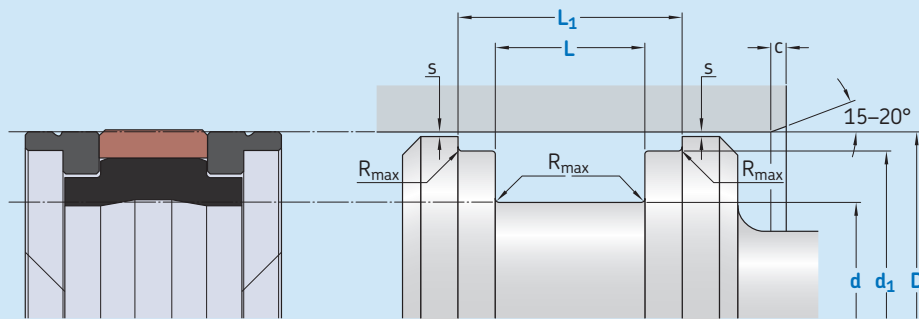


# DK09-F



Ordering dimensions in **blue**

**Surface roughness**  $R_{tmax}$      $R_a$

**Sliding surface**     $\leq 2,5 \mu m$      $0,05-0,2 \mu m$

**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**

D	d	d <sub>1</sub>	L	L <sub>1</sub>	R <sub>max</sub>	c	s <sup>1)</sup>	
H9 over	incl. h9	h8	+ 0,2					
mm								
<b>20</b>	<b>50</b>	D - 10	D - 3	12,5	20,5	0,4	4	0,35
<b>50</b>	<b>80</b>	D - 15	D - 4	20	28	0,4	5	0,50
<b>80</b>	<b>150</b>	D - 20	D - 5	25	36	0,4	6	0,65
<b>150</b>	<b>200</b>	D - 25	D - 6	32	46	0,4	8,5	0,78

<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/d<sub>1</sub> x L/L<sub>1</sub> [mm]  
Sealing material / Energizer / Backup ring

Piston seal DK09-F  
**100 x 80/95 x 25/36**  
SKF Eceptfe / SKF Econbr / SKF Ecotal

## Operating parameters

Material Seal	Energizer	Backup ring	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
			from	to	max	max
–			°C		m/s	bar (MPa)
■ SKF Eoptfe	■ SKF Econbr	■ SKF Ecotal	–30	+100	1,5	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.