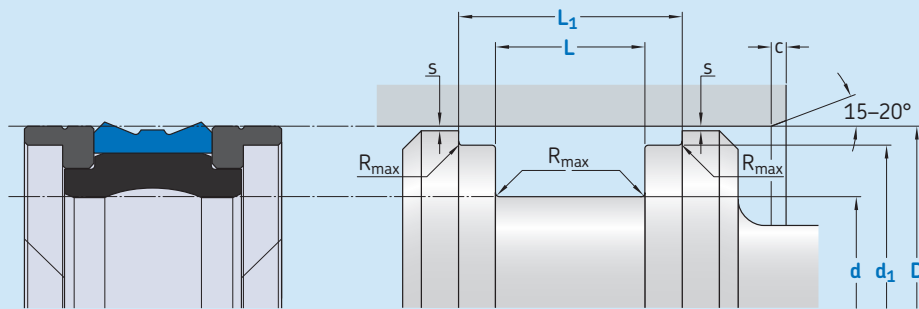


# DK09-D



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	$d_1$	L	$L_1$	$R_{max}$	c	$s^{1)}$	
H9 over	incl. h9	h8	+ 0,2					
mm								
20	50	D – 10	D – 3	12,5	20,5	0,4	4	0,35
50	80	D – 15	D – 4	20	28	0,4	5	0,52
80	150	D – 20	D – 5	25	36	0,4	6	0,65
150	200	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-D  
100 x 80/95 x 25/36  
ECOPUR DD / SKF Econbr / SKF Ecotal

## Operating parameters

Material Seal	Energizer	Back-up ring	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
			from	to	max	max
–			°C		m/s	bar (MPa)
■ ECOPUR DD	■ SKF Econbr	■ SKF Ecotal	–30	+100	0,5	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.