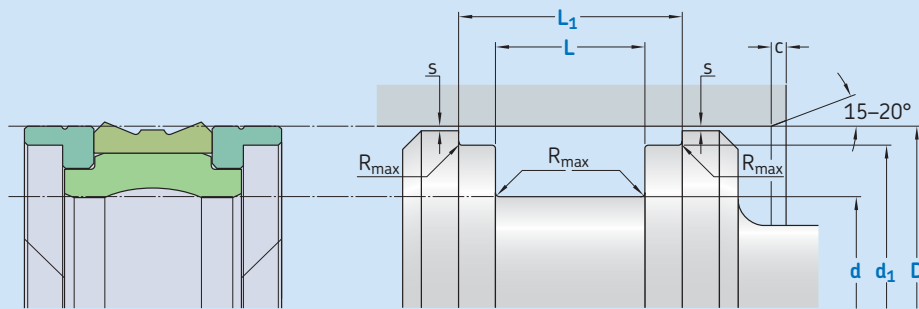


# K09-D



Ordering dimensions in **blue**

Surface roughness	$R_{tmax}$	$R_a$
<b>Sliding surface</b>	$\leq 2,5 \mu m$	$0,05-0,2 \mu m$
<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

D	H9	d	$d_1$	L	$L_1$	$R_{max}$	c	$s^*$
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	400	D-25	D-6	32	46	0,4	8,5	0,78
400	600	D-30	D-8	36	50	0,4	10	1,00

\* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

## Ordering example

Profile  
D x d/ $d_1$  x L/ $L_1$  [mm]  
Sealing material / Energizer / Backup ring

Piston seal K09-D  
100 x 80/95 x 25/36  
ECOPUR / SKF Ecorubber-1 / 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			–30		0,5	400 (40)
■ H-ECOPUR	■ SKF Ecorubber-1	■ SKF Ecota <sup>3)</sup>	–20	+100	0,7	
■ S-ECOPUR		■ SKF Ecomid <sup>3)</sup>				
■ T-ECOPUR	■ SKF Ecosil		–50		0,5	

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.

<sup>3)</sup> D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.