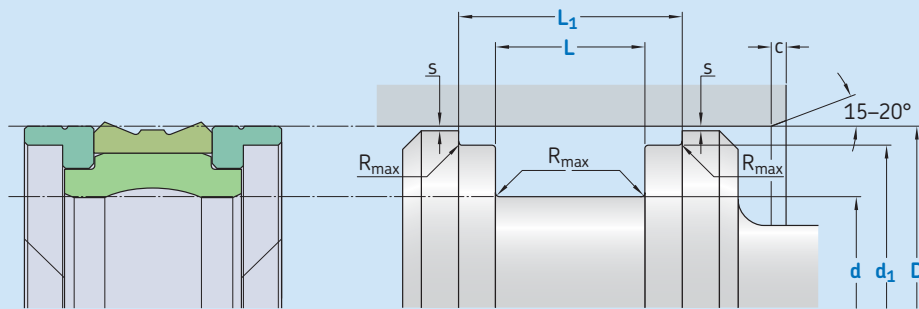


K09-D



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu\text{m}$	$0,05\text{--}0,2 \mu\text{m}$
Bottom of groove	$\leq 6,3 \mu\text{m}$	$\leq 1,6 \mu\text{m}$
Groove face	$\leq 15 \mu\text{m}$	$\leq 3 \mu\text{m}$

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 ¹⁾	Pressure ²⁾
			from	to	max	max
–			°C		m/s	bar (MPa)
■ ECOPUR			–30		0,5	400 (40)
■ H-ECOPUR	■ SKF Ecorubber-1	■ SKF Ecotal ³⁾	–20	+100	0,7	
■ S-ECOPUR		■ SKF Ecomid ³⁾				
■ 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.

¹⁾ Surface speed limit values are valid only in the presence of a lubrication film.

²⁾ Pressure ratings depend on the size of the extrusion gap.

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