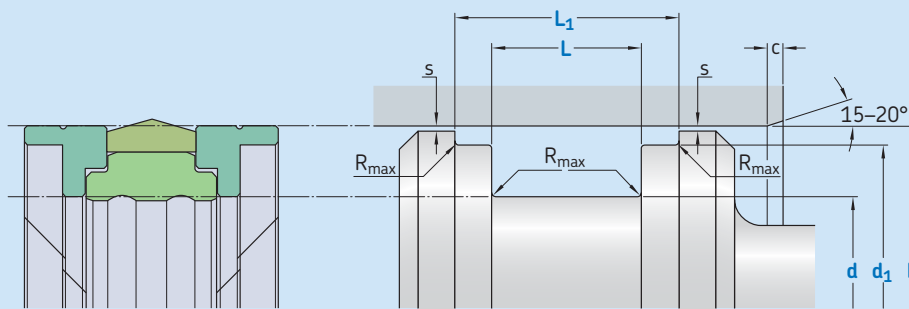


K09-H



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	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	0,4
50	80	D - 15	D - 4	20	28	0,4	5	0,4
80	150	D - 20	D - 5	25	36	0,4	6	0,4
150	400	D - 25	D - 6	32	46	0,4	8,5	0,4
400	600	D - 30	D - 8	36	50	0,4	10	0,4

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

Ordering example

Profile
D x d/d₁ x L/L₁ [mm]
Sealing material / Energizer / Backup ring

Piston seal K09-H
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		0,3	1 500 (150)
■ H-ECOPUR	■ SKF Ecorubber-1	■ SKF Ecota ³⁾	–20		0,4	
■ S-ECOPUR		■ SKF Ecomid ³⁾	+100		0,3	
■ T-ECOPUR	■ SKF Ecosil		–50		0,3	

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.