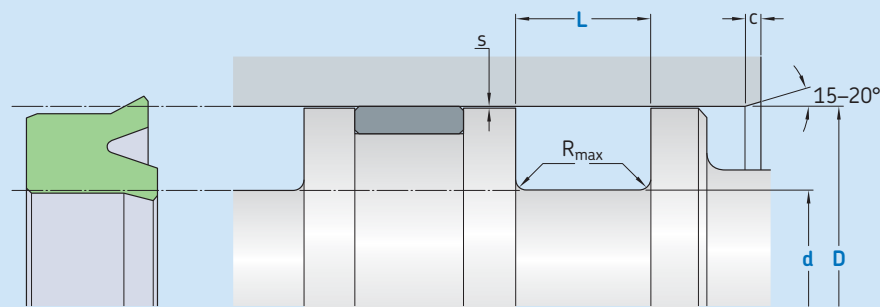


K01-R



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	L	R_{max}	c	Maximal radial extrusion gap		
over	incl.	h10	+ 0,2			s^*		
						20 bar	100 bar	160 bar
mm						mm		
13	25	D - 8	6,0	0,4	3,5	0,23	0,16	0,14
25	50	D - 10	7,0	0,4	4,0	0,26	0,19	0,17
50	75	D - 12	8,0	0,4	4,5	0,29	0,22	0,20
75	150	D - 15	10,0	0,4	5,0	0,32	0,24	0,22
150	300	D - 20	12,0	0,4	6,0	0,35	0,27	0,25
300	500	D - 25	18,0	0,4	8,5	0,39	0,30	0,29
500	750	D - 30	20,0	0,4	10,0	0,40	0,34	0,32
750		D - 40	26,0	0,4	13,0	0,40	0,34	0,32

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

Ordering example

Profile
D x d x L [mm]
Sealing material

Piston seal K01-R
100 x 85 x 10
SKF Ecorubber-1

Operating parameters

Material Seal	Temperature		Speed ¹⁾	Pressure ²⁾
	from	to	max	max
–	°C		m/s	bar (MPa)
■ SKF Ecoflas	–10	+200	0,5	160 (16)
■ SKF Ecorubber-H	–25	+150		
■ SKF Ecorubber-1	–30	+100		
■ SKF Ecorubber-2	–20	+200		
■ SKF Ecorubber-3	–50	+150		
■ SKF Ecosil ³⁾	–60	+200	–	–

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⁾ Only recommended for static or quasi-static applications.