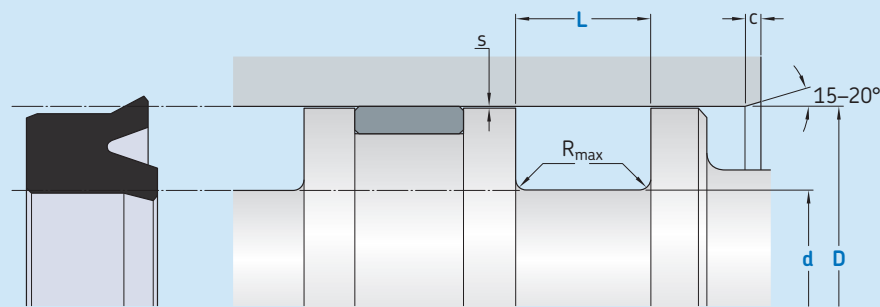


DK01-R



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 over	d h10 incl.	L + 0,2	R_{max}	c	Maximal radial extrusion gap			
					$s^{1)}$	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	200	D – 20	12,0	0,4	6,0	0,35	0,27	0,25

¹⁾ 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 DK01-R
100 x 85 x 10
SKF Econbr

Operating parameters

Material Seal	Temperature		Speed ¹⁾	Pressure ²⁾
	from	to	max	max
–	°C		m/s	bar (MPa)
■ SKF Econbr	–30	+100	0,5	160 (16)
■ SKF Ecofkm	–20	+200	0,5	160 (16)

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.