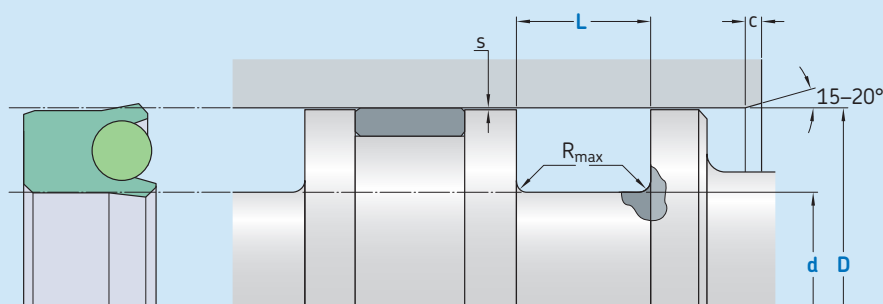


K03-F



Ordering dimensions in **blue**

Surface roughness R_{tmax} R_a

Sliding surface $\leq 2 \mu m$ $0,05-0,3 \mu m$

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^*				
					20 bar	100 bar	200 bar	400 bar	
mm					mm				
13	25	D - 8	6,4	0,4	3,5	0,40	0,20	0,15	0,09
25	50	D - 10	8,5	0,4	4,0	0,45	0,22	0,17	0,10
50	75	D - 12	10,0	0,4	4,5	0,60	0,36	0,25	0,14
75	150	D - 15	12,3	0,4	5,0	0,75	0,40	0,33	0,18
150	300	D - 20	16,0	0,4	6	0,87	0,48	0,38	0,20
300	500	D - 25	19,8	0,4	8,5	0,87	0,48	0,38	0,20
500	600	D - 30	24,5	0,4	10,0	0,87	0,48	0,38	0,20

* 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 / Backup ring

Piston seal K03-F
100 x 85 x 12,3
SKF Ecoflon 3 / FPM75



Operating parameters

Material Seal	Backup ring	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
■ SKF Ecoflon 1 ■ SKF Ecoflon 2 ■ SKF Ecoflon 3 ■ SKF Ecoflon 4	MVQ70	-55	+200	1,0	200 (20)
	NBR70	-30	+100		
	FPM75	-20	+200		400 (40)
	EPDM70	-50	+150		
■ SKF Ecowear 1000	NBR70	-30	+90	0,5	200 (20)
	FPM75	-20			
	EPDM70	-50			
	MVQ70	-55			

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.