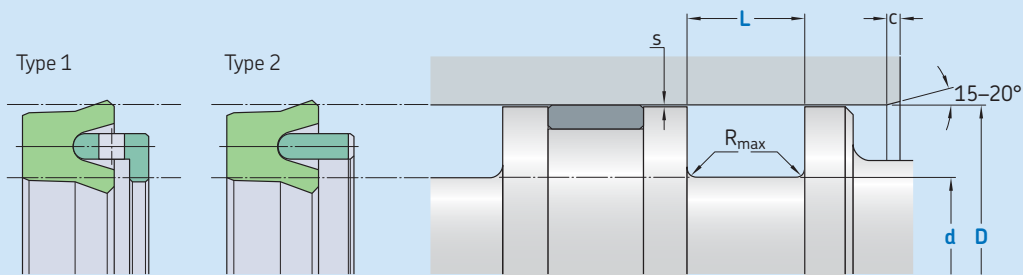


K22-R



Ordering dimensions in **blue**

Surface roughness	R _{tmax}	R _a
Sliding surface	≤ 2,5 μm	0,05–0,2 μm
Bottom of groove	≤ 6,3 μm	≤ 1,6 μm
Groove face	≤ 15 μm	≤ 3 μm

Bearing area: 50–95% and a cutting depth of 0,5 R_a based on C_{ref} = 0%

Standard dimensions						Maximal radial extrusion gap		
D	d	L	R _{max}	c	s*	20 bar	100 bar	160 bar
H9	h10	+0,2						
over	incl.							
mm						mm		
14	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	0,31	0,24	0,22
150	300	D – 20	12,0	0,4	6,0	0,34	0,27	0,25
300	500	D – 25	18,0	0,4	8,5	0,37	0,30	0,29
500	600	D – 30	20,0	0,4	10,0	0,40	0,34	0,32

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.
Standard: Type 2

Ordering example

Profile
D x d x L [mm]
Sealing material / Support ring

Piston seal K22-R Type 1
100 x 85 x 10
SKF Ecorubber-1 / SKF Ecotal

Operating parameters

Material Seal	Support ring	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
■ SKF Ecoflas	■ SKF Ecoflon 2	-10	+200		
			+150		
■ SKF Ecorubber-H	■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	-25	+100		
■ SKF Ecorubber-1	■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	-30	+100	0,5	160 (16)
■ SKF Ecorubber-2	■ SKF Ecoflon 2	-20	+200		
		-50	+150		
■ SKF Ecorubber-3	■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	-40	+100		

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.