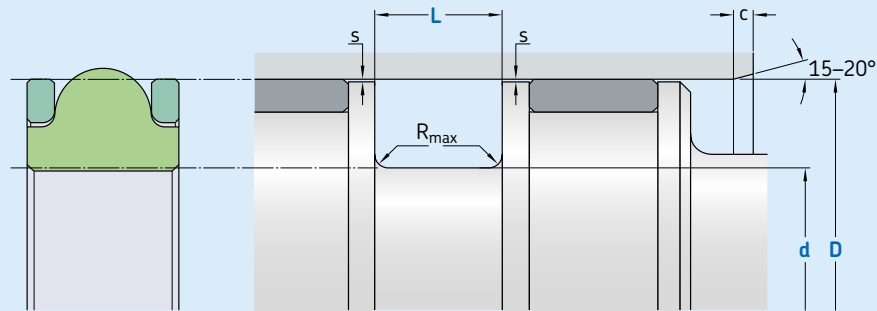


K20-R



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	L	R_{max}	c	s^*
D				h9	+0,25			
static								
over	incl.	dynamic	incl.					
mm								
8	100	–	–	D – 2,70	4,5	0,2/0,4 ¹⁾	2	H9/f8
100	150	8	20	D – 4,36	6,5	0,2/0,4 ¹⁾	2	H9/f8
150	250	20	40	D – 6,00	7,4	0,2/0,4 ¹⁾	3	H9/f8
250	400	40	100	D – 9,06	10,1	0,2/0,4 ¹⁾	3,5	H9/f8
400	600	100	300	D – 11,88	12,8	0,2/0,4 ¹⁾	4,5	H9/f8
600		300	600	D – 17,00	17,5	0,2/0,4 ¹⁾	5	H9/f8

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

¹⁾ $d \leq 40 \text{ mm} \rightarrow 0,2 > 40 \text{ mm} \rightarrow 0,4$.

Ordering example

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

Piston seal K20-R
100 x 95,64 x 6,5
SKF Ecorubber-1 / SKF Ecotal

Operating parameters

Material Seal	Back-up ring	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
–		°C		m/s	bar (MPa)
■ SKF Ecorubber-H	■ SKF Ecoflon 2 ■ SKF Ecopaek ■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	–25	+150	0,5	700 (70)
■ SKF Ecorubber-1	■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	–30	+100		
■ SKF Ecorubber-2	■ SKF Ecoflon 2 ■ SKF Ecopaek	–20	+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⁾ D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.