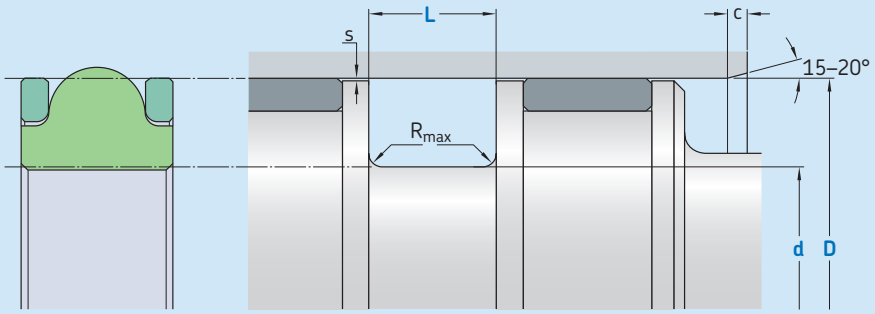
K20-R



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	≤ 2,5 µm	0,1–0,5 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_z based on C_{ref} = 0%

Standard dimensions

D H9 static over	D H9 static incl.	D H9 dynamic over	D H9 dynamic incl.	d h9	L +0,25	R_{max}	c	s*
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 ≤ 40 mm → 0,2 > 40 mm → 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		Temperature		Speed[1]	Pressure[2]
Seal	Spring	from	to	max	max
–		°C		m/s	bar *(MPa)*
■ SKF Ecorubber-1	■ SKF Ecotal ■ SKF Ecomid[3]	–30	+100	0,5	700 *(70)*
■ SKF Ecorubber-H		–25			
■ SKF Ecorubber-2	■ SKF Ecopaek	–20	+200		
■ SKF Ecorubber-H	■ SKF Ecoflon 2	–25	+150		

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.

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