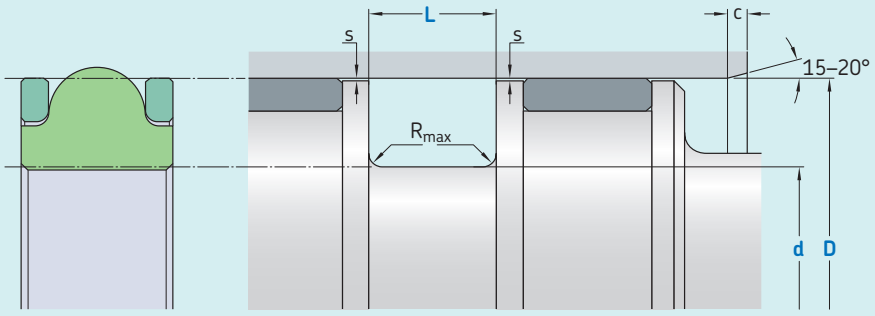
K20-R



Ordering dimensions in **blue**

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

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	2,0	H9/f8
100	**150**	**8**	**20**	D – 4,36	6,5	0,2	2,0	H9/f8
150	**250**	**20**	**40**	D – 6,00	7,4	0,4	3,0	H9/f8
250	**400**	**40**	**100**	D – 9,06	10,1	0,4	3,5	H9/f8
400	**600**	**100**	**300**	D – 11,88	12,8	0,4	4,5	H9/f8
600		**300**	**600**	D – 17,00	17,5	0,4	5,0	H9/f8

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

Ordering example

Profile	**Piston seal K20-R**
D x d x L [mm]	**100 x 95,64 x 6,5**
Sealing material / Back-up ring	**SKF Ecorubber-1 / SKF Ecotal**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Back-up ring[3]	from	to	max	max
		°C		m/s	bar *(MPa)*
SKF Ecorubber-1	SKF Ecotal	–30	+100	0,5	700 *(70)*
SKF Ecorubber-1	SKF Ecomid	–30	+100	0,5	700 *(70)*
SKF Ecorubber-H	SKF Ecoflon 2	–25	+150	0,5	700 *(70)*
SKF Ecorubber-H	SKF Ecotal	–25	+100	0,5	700 *(70)*
SKF Ecorubber-H	SKF Ecomid	–25	+110	0,5	700 *(70)*
SKF Ecorubber-H	SKF Ecopaek	–25	+150	0,5	700 *(70)*
SKF Ecorubber-2	SKF Ecoflon 2	–20	+200	0,5	700 *(70)*
SKF Ecorubber-2	SKF Ecopaek	–20	+200	0,5	700 *(70)*

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) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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