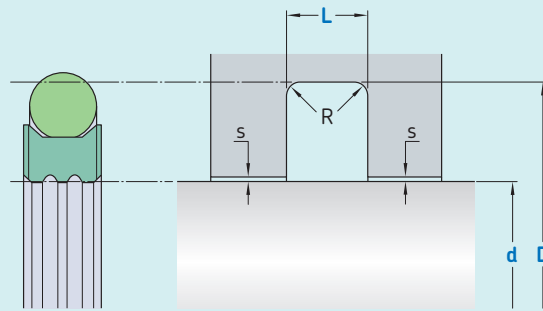


R09-F



Ordering dimensions in **blue**

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

Hardness: On the surface min 55 HRC, hardened depth > 0,3 mm.
 Bearing area: 50–95% and a cutting depth of 0,5 R_z based on $C_{ref} = 0\%$

Standard dimensions					Maximal radial extrusion gap		
d	f8	D	L	R	s^*		
over	incl.	H9	+ 0,2		100 bar	200 bar	350 bar
mm					mm		
5	19	d + 4,9	2,2	0,3	0,15	0,10	0,10
19	38	d + 7,5	3,2	0,5	0,20	0,15	0,10
38	200	d + 11	4,2	0,7	0,25	0,20	0,10
200	256	d + 15,5	6,3	1,2	0,30	0,25	0,10
256	650	d + 21,0	8,1	1,5	0,30	0,25	0,15
650	1 000	d + 28,0	9,5	2,0	0,45	0,30	0,20

* Extrusion gap values shown above are valid for a temperature of 80 °C, higher temperatures require lower values.

Ordering example

Profile
 d x D x L [mm]
 Sealing material / Energizer

Rotary seal R09-F
 100 x 111 x 4,2
 SKF Ecoflon 4 / NBR 70

Operating parameters

Material Seal	Energizer	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
■ SKF Ecoflon 4	NBR 70	-30	+100	0,4	350 (35)
■ SKF Ecoflon 4	FPM 75	-20	+200	0,4	350 (35)

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.