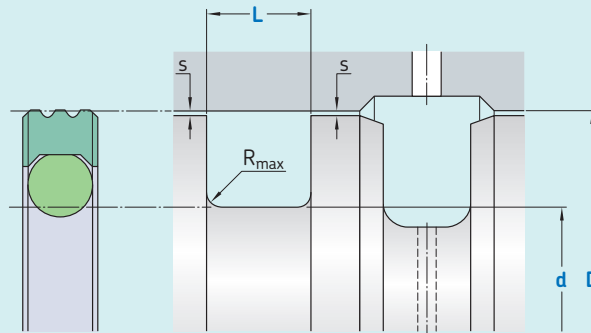


R10-F



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	μm	
Sliding surface	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 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	d	L	R	s^*			
H8	h8	+ 0,2			100 bar	200 bar	350 bar
over	incl.				mm		
mm					mm		
10	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	8,1	1,5	0,30	0,25	0,15
650	1 000	D – 28	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 R10-F
 100 x 89 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.

