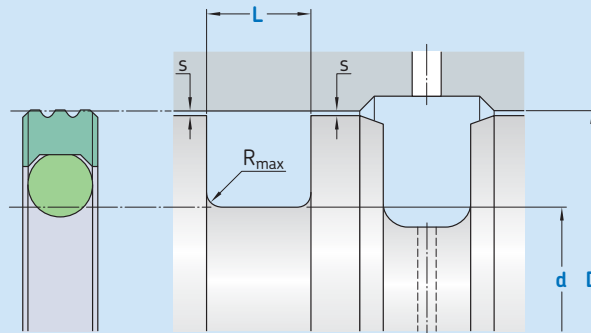


R10-F



Ordering dimensions in **blue**

Surface roughness	R _{tmax}	R _a
Sliding surface	≤ 2 μm	0,05–0,3 μm
Bottom of groove	≤ 6,3 μm	≤ 1,6 μm
Groove face	≤ 15 μm	≤ 3 μm

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 s*		
D	d	L	R				
H8	h8	+0,2					
over	incl.				100 bar	200 bar	350 bar
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 / NBR70

R10-F

Operating parameters

Material Seal	Energizer	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
–		°C		m/s	bar (MPa)
■ SKF Ecoflon 4	FPM75	–20	+200	0,4	350 (35)
	NBR70	–30	+100		

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.