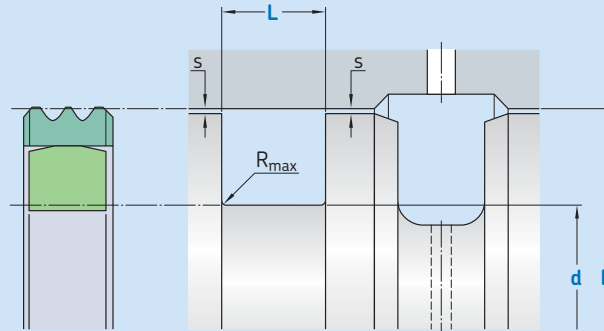


R10-FS



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		
D H8 over	d h8	L + 0,2	R _{max}	s*	100 bar	200 bar	350 bar
mm					mm		
15	50	D – 10	5	0,4	0,25	0,2	0,10
50	60	D – 15	7,5	0,4	0,3	0,25	0,10
60	200	D – 20	10	0,4	0,3	0,25	0,15
200	300	D – 25	12,5	0,4	0,3	0,25	0,15
300	530	D – 30	15	0,4	0,45	0,3	0,2
530	650	D – 35	17,5	0,4	0,45	0,3	0,2
650	1 000	D – 40	20	0,4	0,5	0,35	0,25

* 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-FS
100 x 80 x 10
SKF Ecoflon 4 / SKF Ecorubber-1

Operating parameters

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

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.