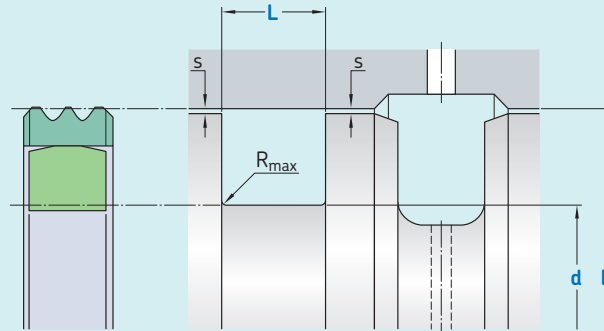


R10-FS



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_{max}	s^*	100 bar	200 bar	350 bar
H8 over	incl.	+ 0,2					
mm					mm		
15	50	D – 10	5,0	0,4	0,25	0,20	0,10
50	60	D – 15	7,5	0,4	0,30	0,25	0,10
60	200	D – 20	10,0	0,4	0,30	0,25	0,15
200	300	D – 25	12,5	0,4	0,30	0,25	0,15
300	530	D – 30	15,0	0,4	0,45	0,30	0,20
530	650	D – 35	17,5	0,4	0,45	0,30	0,20
650	1 000	D – 40	20,0	0,4	0,50	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 Ecoflon 4	■ SKF Ecorubber-2	-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.

