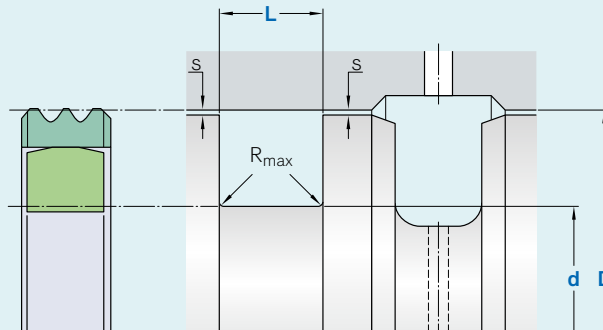


R10-FS



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	d	L	R_{max}	s^*			
H8	h8	+ 0,2		100 bar	200 bar	350 bar	
over	incl.			mm			
mm				mm			
15	50	D – 10	5,0	0,25	0,20	0,10	
50	60	D – 15	7,5	0,30	0,25	0,10	
60	200	D – 20	10,0	0,30	0,25	0,15	
200	300	D – 25	12,5	0,30	0,25	0,15	
300	530	D – 30	15,0	0,45	0,30	0,20	
530	650	D – 35	17,5	0,45	0,30	0,20	
650	1000	D – 40	20,0	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

R10-FS

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.



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PUB SE/P8 11882/3 EN · August 2024