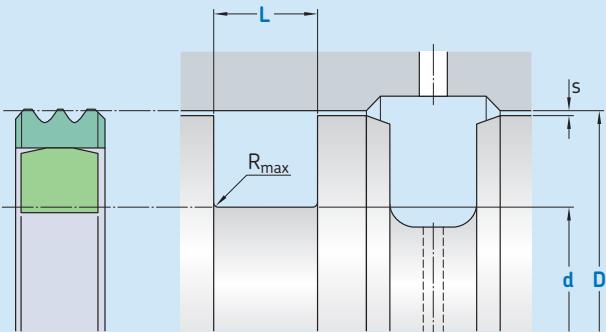


R10-FS



Ordering dimensions in blue

Surface roughness	$R_{t\max}$	R_a
Sliding surface	$\leq 2 \mu\text{m}$	$0,05\text{--}0,3 \mu\text{m}$
Bottom of groove	$\leq 6,3 \mu\text{m}$	$\leq 1,6 \mu\text{m}$
Groove face	$\leq 15 \mu\text{m}$	$\leq 3 \mu\text{m}$

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 $C_{ref} = 0\%$

D H8 over	d h8 incl.	L + 0,2	$R_{t\max}$	maximal radial extrusion gap		
				100 bar	200 bar	350 bar
mm						
15	50	D – 10	5	0,4	0,25	0,2
50	60	D – 15	7,5	0,4	0,3	0,25
60	200	D – 20	10	0,4	0,3	0,25
200	300	D – 25	12,5	0,4	0,3	0,25
300	530	D – 30	15	0,4	0,45	0,3
530	650	D – 35	17,5	0,4	0,45	0,3
650	1 000	D – 40	20	0,4	0,5	0,35

* 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 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)

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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