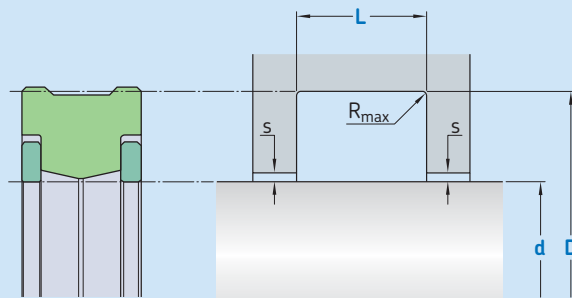


R03-R



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu m$	$0,1-0,5 \mu m$
Bottom of groove	$\leq 6,3 \mu m$	$\leq 1,6 \mu m$
Groove face	$\leq 15 \mu m$	$\leq 3 \mu m$

Hardness: Min 45 HRC (55 HRC recommended), 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

d^*		D	L	R_{max}	s
over	incl.	H9	+ 0,2		
mm					
22	36	$d + 10$	8	0,2	e8/H9
36	56	$d + 12$	8	0,2	e8/H9
56	85	$d + 15$	11	0,2	f7/H7
85	140	$d + 20$	13	0,2	f7/H7
140	200	$d + 25$	16	0,2	f7/H7
200	300	$d + 30$	19	0,2	f7/H7
300		$d + 40$	26	0,2	f7/H7

* Tolerance area shaft $\leq 56 \text{ mm} \rightarrow e8$, $> 56 \text{ mm} \rightarrow f7$

Ordering example

Profile
d x D x L [mm]
Sealing material / Backup ring

Rotary seal R03-R
100 x 120 x 13
SKF Ecorubber-1 / SKF Ecotal

Operating parameters

Material Seal	Back-up ring	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
■ SKF Ecoflas	■ SKF Ecopaek	-10	+200		
■ SKF Ecorubber-H	■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	-25	+100		
■ SKF Ecorubber-1	■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	-30	+100	0,2	250 (25)
■ SKF Ecorubber-2	■ SKF Ecoflon 2	-20	+200		
■ SKF Ecorubber-3	■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	-40	+100		
	■ SKF Ecoflon 2	-50	+150		

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.

³⁾ D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.