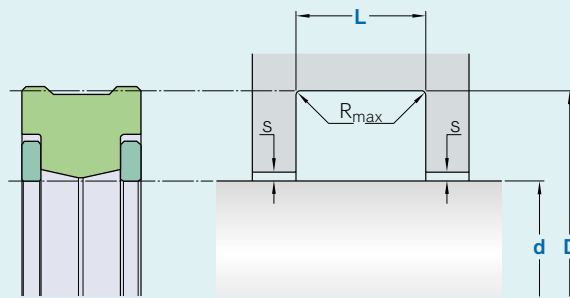


R03-R



Ordering dimensions in **blue**

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

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 ≤ 56 mm † e8, > 56 mm † f7

Ordering example

Profile
 $d \times D \times L$ [mm]
 Sealing material / Back-up rings

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

Operating parameters

Material Seal	Back-up rings ³⁾	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
■ SKF Ecorubber-1	■ SKF Ecotal	-30	+100	0,2	250 (25)
■ SKF Ecorubber-1	■ SKF Ecomid	-30	+100	0,2	250 (25)
■ SKF Ecorubber-H	■ SKF Ecotal	-25	+100	0,2	250 (25)
■ SKF Ecorubber-H	■ SKF Ecomid	-25	+110	0,2	250 (25)
■ SKF Ecorubber-2	■ SKF Ecoflon 2	-20	+200	0,2	250 (25)
■ SKF Ecorubber-3	■ SKF Ecoflon 2	-50	+150	0,2	250 (25)
■ SKF Ecorubber-3	■ SKF Ecotal	-50	+100	0,2	250 (25)
■ SKF Ecorubber-3	■ SKF Ecomid	-40	+110	0,2	250 (25)
■ SKF Ecoflas	■ SKF Ecopaek	-10	+200	0,2	250 (25)

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⁾ Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

