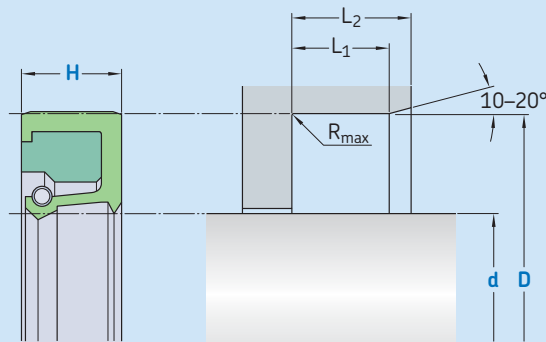


R02-R



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	H	L_1	L_2	R_{max}	
h11	H8					
over	incl.					
mm						
5	60	$d + 12$	7,0	5,95	7,3	0,4
60	140	$d + 15$	8,0	6,8	8,3	0,4
140	300	$d + 20$	10,0	8,5	10,3	0,4
300	500	$d + 30$	12,0	10,3	12,3	0,8
500	800	$d + 40$	20,0	17	20,3	0,8
800		$d + 50$	22,0	18,7	22,3	0,8

Ordering example

Profile
d x D x H [mm]
Sealing material / Clamping ring / Spring

Rotary seal R02-R
100 x 115 x 8
SKF Ecorubber-1 / SKF Ecotal / 1.4310

Operating parameters

Material Seal	Clamping ring	Spring	Temperature		Speed ^{1) 2) 3)}	Pressure
			from	to		
			°C		m/s	bar (MPa)
■ SKF Ecoflas			-10			
■ SKF Ecorubber-H			-25		10	
■ SKF Ecorubber-1	■ SKF Ecotal ⁴⁾		-30	+80		0,5 (0,05)
■ SKF Ecorubber-2	■ SKF Ecomid ⁴⁾		-20		15	
■ SKF Ecorubber-3					10	
■ SKF Ecosil		1.4310	-50		5	-
■ SKF Ecoflas			-10	+200		
■ SKF Ecorubber-H			-25	+150	10	
■ SKF Ecorubber-1	■ Metal		-30	+100		0,5 (0,05)
■ SKF Ecorubber-2			-20	+200	15	
■ SKF Ecorubber-3			-50	+150	10	
■ SKF Ecosil			-60	+200	5	-

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⁾ Depending on shaft diameter

³⁾ Half speed value for greased applications.

⁴⁾ D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.