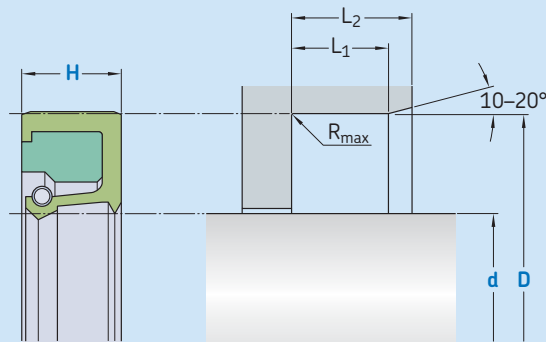


R02-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu\text{m}$	$0,1-0,5 \mu\text{m}$
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: Min 45 HRC (55 HRC recommended), hardened depth $> 0,3 \text{ mm}$.
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 over	H8				
incl.					
mm					
5	60	$d + 12$	7	5,95	7,3
60	140	$d + 15$	8	6,8	8,3
140	300	$d + 20$	10	8,5	10,3
300	500	$d + 30$	12	10,3	12,3
500	800	$d + 40$	20	17	20,3
800		$d + 50$	22	18,7	22,3

Ordering example

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

Rotary seal R02-P
100 x 115 x 8
ECOPUR / SKF Ecotal / **1.4310**

Operating parameters

Material Seal	Clamping ring	Spring	Temperature		Speed ^{1) 2) 3)} max	Pressure max
			from	to		
			°C		m/s	bar (MPa)
■ ECOPUR	■ SKF Ecotal ⁴⁾ ■ SKF Ecomid ⁴⁾		-30			
■ ECOPUR LD			-35			
■ G-ECOPUR	■ SKF Ecomid	1.4310	-30	+80	5	0,5 (0,05)
■ H-ECOPUR			-20			
■ S-ECOPUR	■ SKF Ecotal ⁴⁾ ■ SKF Ecomid ⁴⁾		-20			
■ T-ECOPUR			-40			

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.