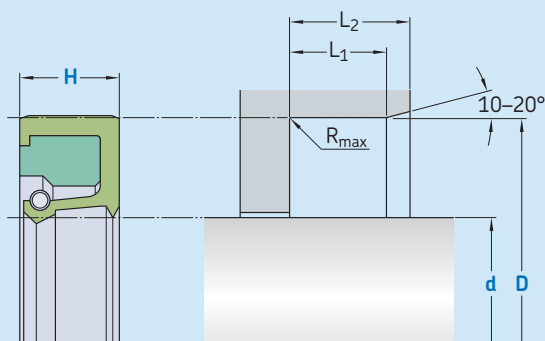


# R02-P



Ordering dimensions in **blue**

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

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						
<b>5</b>	<b>60</b>	$d + 12$	7	5,95	7,3	0,4
<b>60</b>	<b>140</b>	$d + 15$	8	6,8	8,3	0,4
<b>140</b>	<b>300</b>	$d + 20$	10	8,5	10,3	0,4
<b>300</b>	<b>500</b>	$d + 30$	12	10,3	12,3	0,8
<b>500</b>	<b>800</b>	$d + 40$	20	17	20,3	0,8
<b>800</b>		$d + 50$	22	18,7	22,3	0,8

## 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 <sup>1) 2)</sup>	Pressure
			from	to		
–			°C		m/s	bar (MPa)
■ ECOPUR			–30			
■ H-ECOPUR			–20	+80	5	0,5 (0,05)
■ S-ECOPUR	■ SKF Ecotal	1.4310	–40			
■ T-ECOPUR	■ SKF Ecomid <sup>3)</sup>		–30			
■ G-ECOPUR						

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.

<sup>1)</sup> Surface speed limit values are valid only in the presence of a lubrication film.

<sup>2)</sup> Depending on shaft diameter

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

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