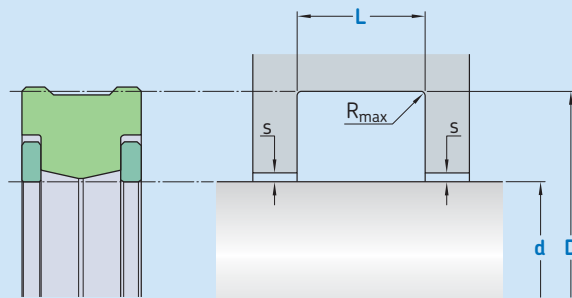


# R03-P



Ordering dimensions in **blue**

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

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					
<b>21</b>	<b>22</b>	d + 8	6,5	0,2	e8/H9
<b>22</b>	<b>36</b>	d + 10	8	0,2	e8/H9
<b>36</b>	<b>56</b>	d + 12	8	0,2	e8/H9
<b>56</b>	<b>85</b>	d + 15	11	0,2	f7/H7
<b>85</b>	<b>140</b>	d + 20	13	0,2	f7/H7
<b>140</b>	<b>200</b>	d + 25	16	0,2	f7/H7
<b>200</b>	<b>300</b>	d + 30	19	0,2	f7/H7
<b>300</b>		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-P  
100 x 120 x 13  
ECOPUR / SKF Ecotal

## Operating parameters

Material Seal	Back-up ring	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		from	to	max	max
		°C		m/s	bar (MPa)
■ ECOPUR		-30			
■ H-ECOPUR	■ SKF Ecotal <sup>3)</sup>	-20	+100	0,2	400 (40)
■ S-ECOPUR	■ SKF Ecomid <sup>3)</sup>	-40		0,3	
■ T-ECOPUR		-20		0,2	

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> Pressure ratings depend on the size of the extrusion gap.

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