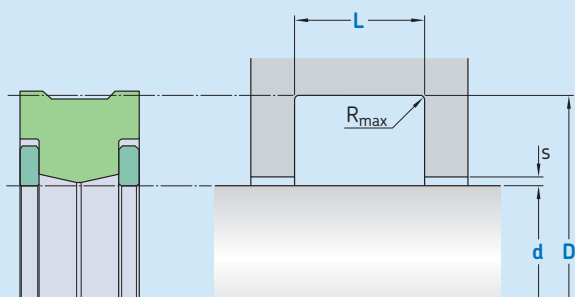


# R03-R



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	L	$R_{max}$	s
over	incl.	H9	+ 0,2		
mm					
<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  $\leq 56 \text{ mm} \rightarrow \text{e8}$ ,  $> 56 \text{ mm} \rightarrow \text{f7}$

## Ordering example

Profile  
 $d \times D \times L$  [mm]  
Sealing material / Backup ring

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



## Operating parameters

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

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.

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