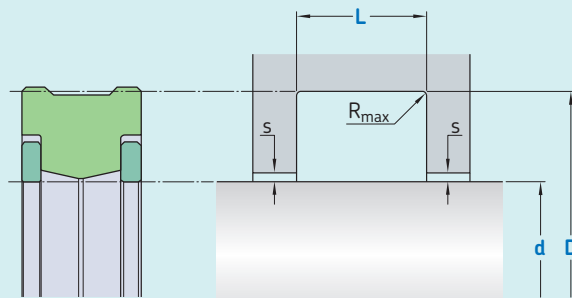


# R03-R



Ordering dimensions in **blue**

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

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  $\leq 56$  mm  $\rightarrow$  e8,  $> 56$  mm  $\rightarrow$  f7

## Ordering example

Profile  
 $d \times D \times L$  [mm]  
 Sealing material / Back-up rings

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

## Operating parameters

Material Seal	Back-up rings <sup>3)</sup>	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		from	to	max	max
		°C		m/s	bar (MPa)
■ SKF Ecorubber-1	■ SKF Ecotal	-30	+100	0,2	250 (25)
■ SKF Ecorubber-1	■ SKF Ecomid	-30	+100	0,2	250 (25)
■ SKF Ecorubber-H	■ SKF Ecotal	-25	+100	0,2	250 (25)
■ SKF Ecorubber-H	■ SKF Ecomid	-25	+110	0,2	250 (25)
■ SKF Ecorubber-2	■ SKF Ecoflon 2	-20	+200	0,2	250 (25)
■ SKF Ecorubber-3	■ SKF Ecoflon 2	-50	+150	0,2	250 (25)
■ SKF Ecorubber-3	■ SKF Ecotal	-50	+100	0,2	250 (25)
■ SKF Ecorubber-3	■ SKF Ecomid	-40	+110	0,2	250 (25)
■ SKF Ecoflas	■ SKF Ecopaek	-10	+200	0,2	250 (25)

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> Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.