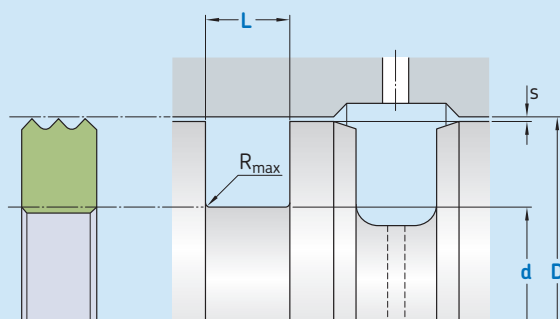


# R05-A



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  $> 0,3 \text{ mm}$ .  
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.	$h8$	$+ 0,2$		
mm					
<b>13</b>	<b>30</b>	$D - 8$	4,5	0,2	H9/e8
<b>30</b>	<b>46</b>	$D - 10$	5,6	0,2	H9/e8
<b>46</b>	<b>68</b>	$D - 12$	5,6	0,2	H9/e8
<b>68</b>	<b>100</b>	$D - 15$	7,7	0,2	H7/f7
<b>100</b>	<b>160</b>	$D - 20$	9,2	0,2	H7/f7
<b>160</b>	<b>225</b>	$D - 25$	11,3	0,2	H7/f7
<b>225</b>	<b>330</b>	$D - 30$	13,5	0,2	H7/f7
<b>330</b>		$D - 40$	18,5	0,2	H7/f7

\* Tolerance area counter surface  $\leq 68 \text{ mm} \rightarrow H9$ ,  $> 68 \text{ mm} \rightarrow H7$

## Ordering example

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

Rotary seal R05-A  
100 x 120 x 9,2  
ECOPUR



## Operating parameters

Material Seal	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
	from	to	max	max
–	°C		m/s	bar (MPa)
■ ECOPUR	–30		0,2	
■ H-ECOPUR	–20	+110		160 (16)
■ S-ECOPUR			0,3	
■ T-ECOPUR	–50			
■ SKF Ecorubber-1	–30	+100		
■ SKF Ecorubber-2	–20	+200	0,2	
■ SKF Ecorubber-3	–50	+150		100 (10)
■ SKF Ecorubber-H	–25			
■ SKF Ecoflas	–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.

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PUB SE/P8 11873 EN · March 2012

