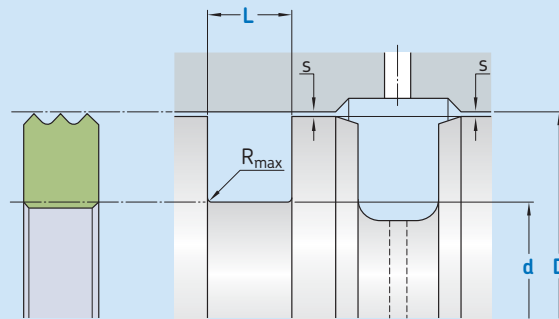


R05-A



Ordering dimensions in **blue**

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

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 h8	L $+ 0,2$	R_{max}	s
over	incl.				
mm					
13	30	$D - 8$	4,5	0,2	H9/e8
30	46	$D - 10$	5,6	0,2	H9/e8
46	68	$D - 12$	5,6	0,2	H9/e8
68	100	$D - 15$	7,7	0,2	H7/f7
100	160	$D - 20$	9,2	0,2	H7/f7
160	225	$D - 25$	11,3	0,2	H7/f7
225	330	$D - 30$	13,5	0,2	H7/f7
330		$D - 40$	18,5	0,2	H7/f7

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

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 ¹⁾	Pressure ²⁾
	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 Ecoflas	–10	+200		
■ SKF Ecorubber-H	–25	+150	0,2	
■ SKF Ecorubber-1	–30	+100		100 (10)
■ SKF Ecorubber-2	–20	+200		
■ SKF Ecorubber-3	–50	+150		

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

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

²⁾ Pressure ratings depend on the size of the extrusion gap.