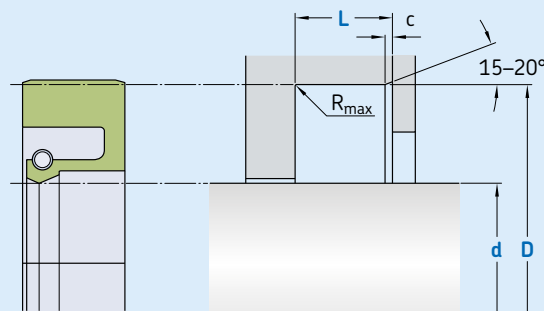


# R01-AS



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		D	L	c	$R_{max}$
h11	h11	h11	h11	H8	-0,2		
Rotating application	Pivoting application	Rotating application	Pivoting application				
over	incl.	over	incl.				
mm							
<b>5</b>	<b>70</b>	<b>5</b>	<b>35</b>	d + 20	8	1,5	0,4
<b>70</b>	<b>120</b>	<b>35</b>	<b>60</b>	d + 20	10	1,5	0,4
<b>120</b>	<b>240</b>	<b>60</b>	<b>120</b>	d + 30	12	1,8	0,8
<b>240</b>	<b>1 120</b>	<b>120</b>	<b>560</b>	d + 40	15	3	0,8
<b>1 120</b>	<b>1 600</b>	<b>560</b>	<b>800</b>	d + 50	20	3,3	0,8
<b>1 600</b>		<b>800</b>	<b>2 220</b>	d + 60	25	3,3	0,8

### Ordering example

Profile  
d x D x L [mm]  
Sealing material / Spring

Rotary seal R01-AS  
100 x 120 x 10  
ECOPUR / 1.4310

## Operating parameters

Material Seal	Spring	Temperature		Speed <sup>1) 2) 3)</sup>	Pressure
		from	to	max	max
–		°C		m/s	bar (MPa)
■ ECOPUR	1.4310	–30			
■ ECOPUR LD		–35			
■ G-ECOPUR		–30	+110	5	
■ H-ECOPUR		–20			
■ S-ECOPUR					0,5 (0,05)
■ T-ECOPUR		–50			
■ SKF Ecoflas		–10	+200		
■ SKF Ecorubber-H		–25	+150	10	
■ SKF Ecorubber-1		–30	+100		
■ SKF Ecorubber-2		–20	+200	15	
■ SKF Ecorubber-3		–50	+150	10	0,2 (0,02)
■ SKF Ecosil		–60	+200	5	

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> Depending on shaft diameter

<sup>3)</sup> Half speed value for greased applications.