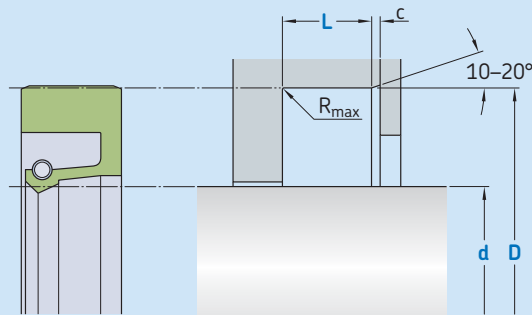


# R01-AF



Ordering dimensions in **blue**

Surface roughness	R <sub>tmax</sub>	R <sub>a</sub>
<b>Sliding surface</b>	≤ 2,5 μm	0,1–0,5 μm
<b>Bottom of groove</b>	≤ 6,3 μm	≤ 1,6 μm
<b>Groove face</b>	≤ 15 μm	≤ 3 μm

Hardness: Min 45 HRC (55 HRC recommended), hardened depth > 0,3 mm.  
Bearing area: 50–95% and a cutting depth of 0,5 R<sub>z</sub> based on C<sub>ref</sub> = 0%

### Standard dimensions

d	h11	d	h11	D	L	c	R <sub>max</sub>
Rotating application		Pivoting application		H8	-0,2		
over	incl.	over	incl.				
mm							
5	80	5	40	D + 15	7	1,2	0,4
80	140	40	70	D + 20	8	1,5	0,4
140	240	70	120	D + 20	10	1,5	0,4
240	480	120	240	D + 30	12	1,8	0,8
480	2 240	240	1 120	D + 40	15	1,8	0,8
2 240	3 200	1 120	1 600	D + 50	25	3,3	0,8
3 200		1 600		D + 60	30	3,3	0,8

### Ordering example

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

Rotary seal R01-AF  
100 x 120 x 8  
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		5	0,5 (0,05)
■ ECOPUR LD		-35			
■ G-ECOPUR		-30			
■ H-ECOPUR		+110			
■ S-ECOPUR		-20			
■ T-ECOPUR		-50			
■ SKF Ecoflas	1.4310	-10	+200	10	0,2 (0,02)
■ SKF Ecorubber-H		-25	+150		
■ SKF Ecorubber-1		-30	+100		
■ SKF Ecorubber-2		-20	+200		
■ SKF Ecorubber-3		-50	+150		
■ SKF Ecosil		-60	+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> Depending on shaft diameter.

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