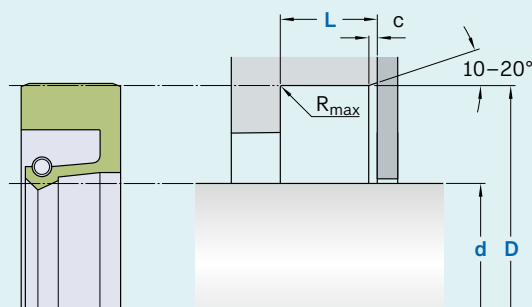


# R01-AF



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	D	L	c	$R_{max}$		
h11	h11	H8	-0,2				
Rotating application over	Pivoting application over						
incl.	incl.						
mm							
15	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  
 $d \times D \times L$  [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	+110	5	0,2 (0,02)
■ ECOPUR LD	1.4310	-35	+110	5	0,2 (0,02)
■ G-ECOPUR	1.4310	-30	+110	5	0,2 (0,02)
■ H-ECOPUR	1.4310	-20	+110	5	0,2 (0,02)
■ S-ECOPUR	1.4310	-20	+110	5	0,2 (0,02)
■ T-ECOPUR	1.4310	-50	+110	5	0,2 (0,02)
■ SKF Ecorubber-1	1.4310	-30	+100	10	0,2 (0,02)
■ SKF Ecorubber-H	1.4310	-25	+150	10	0,2 (0,02)
■ SKF Ecorubber-2	1.4310	-20	+200	15	0,2 (0,02)
■ SKF Ecorubber-3	1.4310	-50	+150	10	0,2 (0,02)
■ SKF Ecoflas	1.4310	-10	+200	10	0,2 (0,02)
■ SKF Ecosil	1.4310	-60	+200	5	0,2 (0,02)

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.