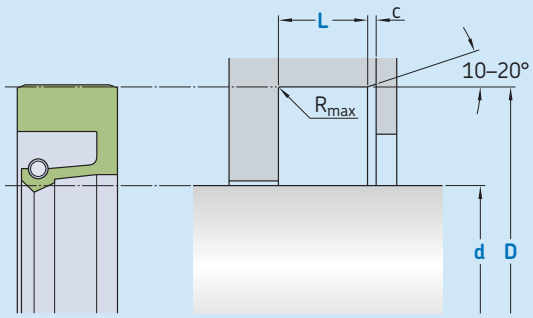
R01-AF



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	≤ 2,5 µm	0,1–0,5 µm
Bottom of groove	≤ 6,3 µm	≤ 1,6 µm
Groove face	≤ 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_z based on C_{ref} = 0%

Standard dimensions

d h11 Rotating application over	d h11 Rotating application incl.	d h11 Pivoting application over	d h11 Pivoting application incl.	D H8	L –0,2	c	R_{max}
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	**Rotary seal R01-AF**
d x D x L [mm]	**100 x 120 x 8**
Sealing material / Spring	**ECOPUR / 1.4310**

Operating parameters

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

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) Depending on shaft diameter.

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