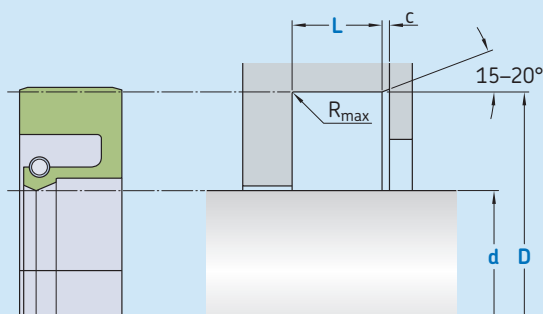


R01-AS



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 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							
5	70	5	35	d + 20	8	1,5	0,4
70	120	35	60	d + 20	10	1,5	0,4
120	240	60	120	d + 30	12	1,8	0,8
240	1 120	120	560	d + 40	15	3	0,8
1 120	1 600	560	800	d + 50	20	3,3	0,8
1 600		800	2 220	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 ^{1) 2)}	Pressure			
		from	to	max	max			
		°C		m/s	bar (MPa)			
■ ECOPUR	1.4310	-30		5				
■ H-ECOPUR		-20						
■ S-ECOPUR		+110						
■ T-ECOPUR		-50						
■ G-ECOPUR	1.4310	-30		10	-			
■ SKF Ecorubber-1		+100						
■ SKF Ecorubber-2		-20				15		
■ SKF Ecorubber-3		-50						
■ SKF Ecorubber-H		-25					10	
■ SKF Ecoflas		-10						
■ SKF Ecosil		+200						
		-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