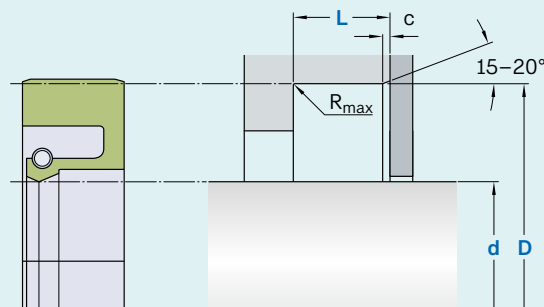


R01-AS



Ordering dimensions in **blue**

Surface roughness R_{tmax}	R_a
μm	
Sliding surface	$\leq 2,5$ $0,1-0,5$
Bottom of groove	$\leq 6,3$ $\leq 1,6$
Groove face	≤ 15 ≤ 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 $C_{rel} = 0\%$

Standard dimensions

d		d		D	L	c	R_{max}
h11		h11		H8	-0,2		
Rotating application		Pivoting application					
over	incl.	over	incl.				
mm							
15	70	15	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	1120	120	560	$d + 40$	15	3,0	0,8
1120	1600	560	800	$d + 50$	20	3,3	0,8
1600		800	2 220	$d + 60$	25	3,3	0,8

Ordering example

Profile
 $d \times D \times L$ [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) 3)}	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.
 1) Surface speed limit values are valid only in the presence of a lubrication film.
 2) Depending on shaft diameter
 3) Half speed value for greased applications.

