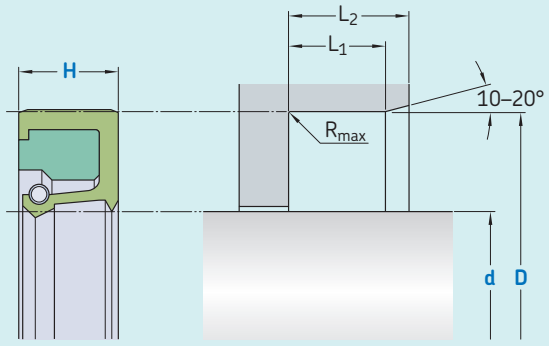
R02-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,1–0,5
Bottom of groove	≤ 6,3	≤ 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_{ref} = 0%

Standard dimensions

d h11 over	incl.	D H8	H	L_1	L_2	R_{max}
mm						
15	**60**	d + 12	7	5,95	7,3	0,4
60	**140**	d + 15	8	6,80	8,3	0,4
140	**300**	d + 20	10	8,50	10,3	0,4
300	**500**	d + 30	12	10,30	12,3	0,8
500	**800**	d + 40	20	17,00	20,3	0,8
800		d + 50	22	18,70	22,3	0,8

Ordering example

Profile	**Rotary seal R02-P**
d x D x H [mm]	**100 x 115 x 8**
Sealing material / Clamping ring / Spring	**ECOPUR / SKF Ecotal / 1.4310**

Operating parameters

Material Seal	Clamping ring[4]	Spring	**Temperature** from	to	**Speed**[1) 2) 3)] max	**Pressure** max
			°C		m/s	bar (*MPa*)
ECOPUR	SKF Ecotal	1.4310	0	+80	5	0,2 (*0,02*)
ECOPUR	SKF Ecomid	1.4310	0	+80	5	0,2 (*0,02*)
ECOPUR LD	SKF Ecomid	1.4310	0	+80	5	0,2 (*0,02*)
G-ECOPUR	SKF Ecomid	1.4310	0	+80	5	0,2 (*0,02*)
H-ECOPUR	SKF Ecotal	1.4310	0	+80	5	0,2 (*0,02*)
H-ECOPUR	SKF Ecomid	1.4310	0	+80	5	0,2 (*0,02*)
S-ECOPUR	SKF Ecotal	1.4310	0	+80	5	0,2 (*0,02*)
S-ECOPUR	SKF Ecomid	1.4310	0	+80	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.
4) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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