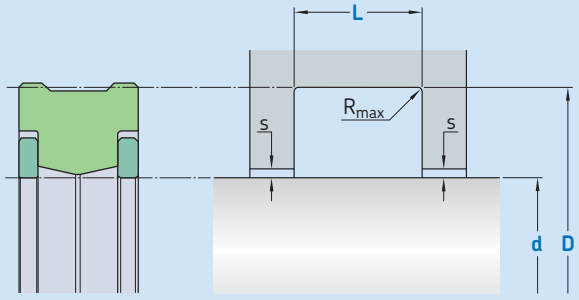
R03-P



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* over	d* incl.	D H9	L + 0,2	R_{max}	s
mm					
21	**22**	d + 8	6,5	0,2	e8/H9
22	**36**	d + 10	8	0,2	e8/H9
36	**56**	d + 12	8	0,2	e8/H9
56	**85**	d + 15	11	0,2	f7/H7
85	**140**	d + 20	13	0,2	f7/H7
140	**200**	d + 25	16	0,2	f7/H7
200	**300**	d + 30	19	0,2	f7/H7
300		d + 40	26	0,2	f7/H7

* Tolerance area shaft ≤ 56 mm → e8, > 56 mm → f7

Ordering example

Profile	**Rotary seal R03-P**
d x D x L [mm]	**100 x 120 x 13**
Sealing material / Backup ring	**ECOPUR / SKF Ecotal**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Back-up ring	from	to	max	max
–		°C		m/s	bar *(MPa)*
ECOPUR	SKF Ecotal[3] SKF Ecomid[3]	–30	+100	0,2	400 *(40)*
H-ECOPUR		–20			
S-ECOPUR		–40		0,3	
T-ECOPUR		–20		0,2	

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] Pressure ratings depend on the size of the extrusion gap.
[3] D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.

PUB SE/P8 11870/2 · April 2015