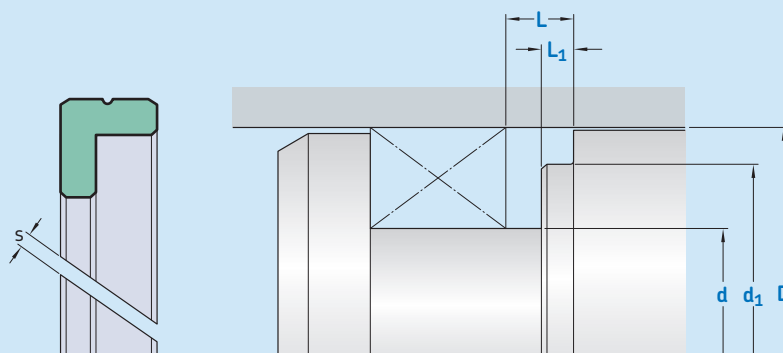


F03



Ordering dimensions in **blue**

Sealing material	TPU / Elastomers		PTFE	
	R_{tmax}	R_a	R_{tmax}	R_a
Surface roughness	μm		μm	
Sliding surface	$\leq 2,5$	0,1–0,5	≤ 2	0,05–0,3
Bottom of groove	$\leq 6,3$	$\leq 1,6$	$\leq 6,3$	$\leq 1,6$
Groove face	≤ 15	≤ 3	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on $C_{ref} = 0\%$

Standard dimensions

D	H9	d ¹⁾	d ₁	L	L ₁
	over	incl.	h10	h8	h8
				+ 0,2	+ 0,2
mm					
20	50	D – 10	D – 3	6,5	4
50	80	D – 15	D – 4	8	4
80	150	D – 20	D – 5	10,5	5,5
150	400	D – 25	D – 6	13,4	7
400	750	D – 30	D – 8	14,2	7
750		D – 40	D – 8	15	7

Basic version: with a cutting gap $s > 0$ allow no supporting function. For supporting function a cutting gap $s = 0$ and a spiral groove is used.
¹⁾ Cross section usually depends on the seal profile.
 Cutting gap $s \rightarrow$ values depend on material and temperature. For detailed information please refer to the profile description.

Ordering example

Profile
 $D \times d/d_1 \times L/L_1$ [mm]
 Guiding material

Guide ring F03
100 x 80/95 x 10,5/5,5
 SKF Ecotal



Operating parameters

Material Guiding	Temperature		Speed ¹⁾	Specific load ²⁾
	from	to	max	
–	°C		m/s	N/mm ²
■ SKF Ecoflon 2			4	3,0
■ SKF Ecoflon 3	–200	+200	5	4,5
SKF Ecoflon 60% Bz.				7,5
■ SKF Ecotal ³⁾	–50	+100	4	25
■ SKF Ecomid	–40			
■ SKF Ecotex		+130		90

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 temperature and allowed compression. Detailed information see profile description.

³⁾ D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid.

