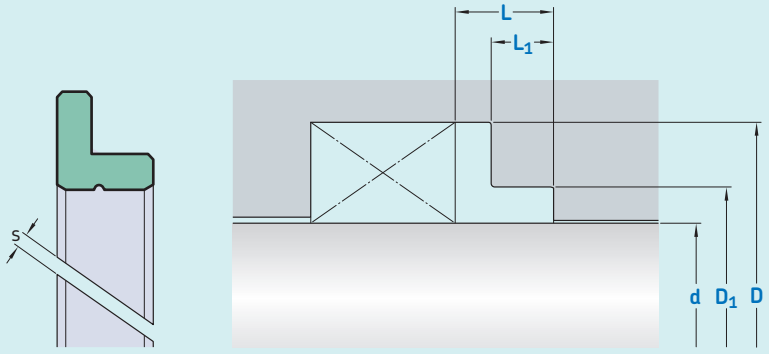
F04



Ordering dimensions in **blue**

Sealing material Surface roughness	**TPU / Elastomers** R_{tmax}	 R_a	**PTFE** R_{tmax}	 R_a
	µm			
Sliding surface	≤ 2,5	0,05–0,3	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6	≤ 6,3	≤ 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 f8 over	 incl.	D[1)] H10	D_1 H8	L + 0,2	L_1 + 0,2
mm					
4	**50**	d + 10	d + 3	6,5	4,0
50	**80**	d + 15	d + 4	8,0	4,0
80	**150**	d + 20	d + 5	10,5	5,5
150	**400**	d + 25	d + 6	13,4	7,0
400	**750**	d + 30	d + 8	14,2	7,0
750		d + 40	d + 8	15,0	7,0

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 → values depend on material and temperature. For detailed information please contact SKF.

Ordering example

Profile	**Guide ring F04**
d x D/D_1 x L/L_1 [mm]	**100 x 80/95 x 10,5/5,5**
Guide ring material	**SKF Ecotal**

Operating parameters

Material Guide ring[3]	Temperature		Speed[1]	Specific load[2]
	from	to	max	
	°C		m/s	N/mm²
SKF Ecoflon 2	–200	+200	4	3
SKF Ecoflon 3	–200	+200	5	5
SKF Ecotal	–50	+100	1	25
SKF Ecomid	–40	+110	1	25

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. Contact SKF for more information.
3) 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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