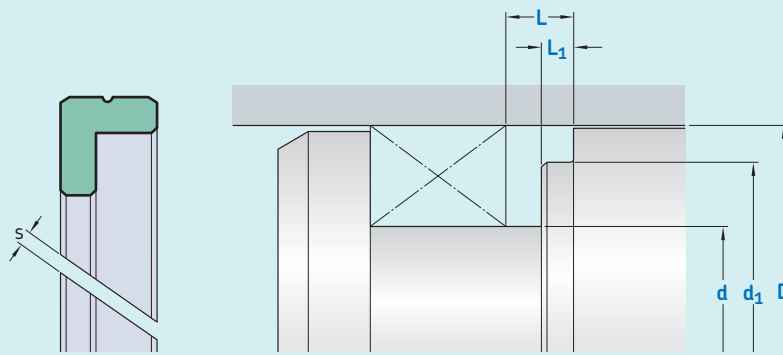


# F03



Ordering dimensions in **blue**

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

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

Standard dimensions		$d_1$ h10	$d_1$ h8	L + 0,2	$L_1$ + 0,2	
D H9 over	incl.					
mm						
20	50	D – 10	D – 3	6,5	4,0	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 $s \rightarrow$ values depend on material and temperature. For detailed information please contact SKF.
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	

**Ordering example**  
 Profile  
 D x d/d<sub>1</sub> x L/L<sub>1</sub> [mm]  
 Guide ring material

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

## Operating parameters

Material Guide ring <sup>3)</sup>	Temperature		Speed <sup>1)</sup>	Specific load <sup>2)</sup>
	from	to	max	
	°C		m/s	N/mm <sup>2</sup>
■ 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.

<sup>1)</sup> Surface speed limit values are valid only in the presence of a lubrication film.

<sup>2)</sup> Depending on temperature and allowed compression. Contact SKF for more information.

<sup>3)</sup> Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.