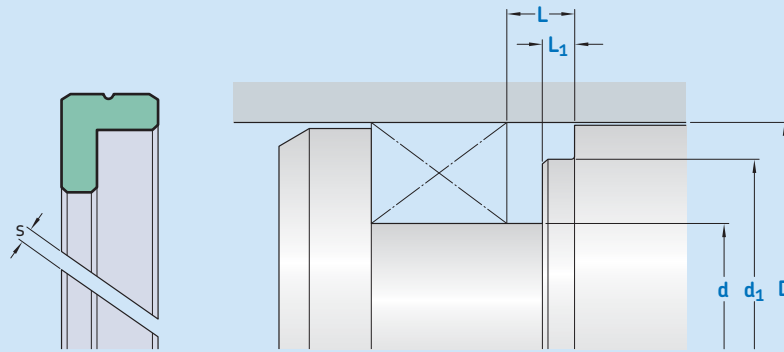


# F03



Ordering dimensions in **blue**

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

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

Standard dimensions		$d_1$ 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
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.  
<sup>1)</sup> 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 <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	3,0
■ SKF Ecoflon 3			5	4,5
■ SKF Ecomid <sup>3)</sup>	–40	+100	4	25
■ SKF Ecotal <sup>3)</sup>	–50			

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. Detailed information see profile description.

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