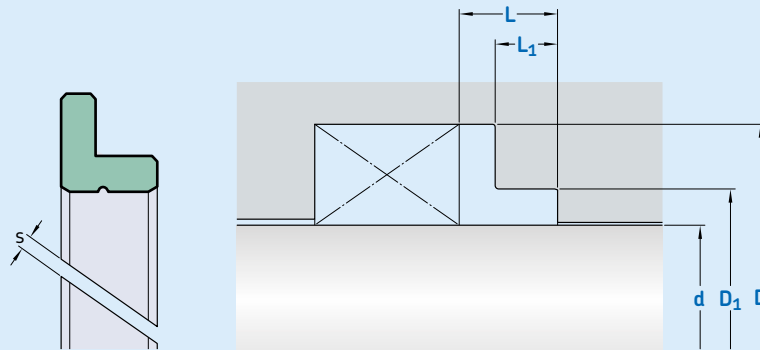


# F04



Ordering dimensions in **blue**

Sealing material	TPU / Elastomers		PTFE	
	Surface roughness $R_{tmax}$	$R_a$	$R_{tmax}$	$R_a$
	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		$D_1$	$D_1$	L	$L_1$
d	$f_8$	H10	H8	+ 0,2	+ 0,2
over	incl.				
mm					
<b>4</b>	<b>50</b>	d + 10	d + 3	6,5	4
<b>50</b>	<b>80</b>	d + 15	d + 4	8	4
<b>80</b>	<b>150</b>	d + 20	d + 5	10,5	5,5
<b>150</b>	<b>400</b>	d + 25	d + 6	13,4	7
<b>400</b>	<b>750</b>	d + 30	d + 8	14,2	7
<b>750</b>		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 F04**  
**80 x 95/100 x 5,5/10,5**  
**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	–40	+100	5	4,5
■ SKF Ecomid <sup>3)</sup>	–50	+100	4	25
■ SKF Ecotal <sup>3)</sup>				

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.