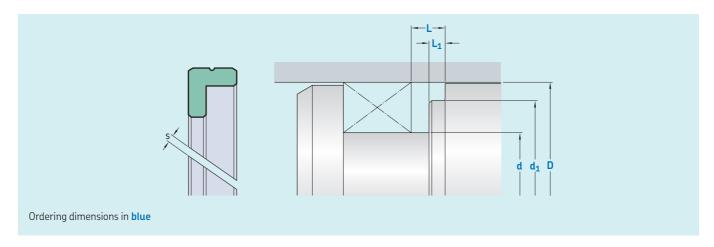


## F03



Sealing material Surface roughness	<b>TPU / Elastomers</b> R <sub>tmax</sub> R <sub>a</sub>		<b>PTFE</b> R <sub>tmax</sub>	· · · <del>-</del>					
Sliding surface Bottom of groove Groove face	≤ 2,5 ≤ 6,3 ≤ 15	0,05–0,3 ≤1,6 ≤3	≤ 2 ≤ 6,3 ≤ 15	0,05–0,2 ≤ 1,6 ≤ 3					
Bearing area: 50–95% and a cutting depth of 0,5 $R_z$ based on $C_{ref}$ = 0%									

D H9 over	ird dimensions	d <sup>1)</sup> h10	d <sub>1</sub> h8	L + 0,2	L <sub>1</sub> + 0,2	
mm						
20 50 80	50 80 150	D-10 D-15 D-20	D – 3 D – 4 D – 5	6,5 8,0 10,5	4,0 4,0 5,5	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 qap s → values depend on material and
150 400 750	400 750	D – 25 D – 30 D – 40	D-6 D-8 D-8	13,4 14,2 15,0	7,0 7,0 7,0	Cutting gap s → Values depend on material and temperature. For detailed information please contact SKF.

## Ordering example

Profile D x  $d/d_1$  x  $L/L_1$  [mm] Guide ring material

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

Operating parameters											
Temperature		Speed1)	Specific load <sup>2)</sup>								
from	to	max									
°C		m/s	N/mm <sup>2</sup>								
			_								
-200	+200	4	3								
-200	+200	5	5								
-50	+100	1	25								
-40	+110	1	25								
	from °C  -200 -200 -50	from to  °C  -200 +200  -200 +200  -50 +100	from to max  °C m/s  -200 +200 4  -200 +200 5  -50 +100 1								

 $IMPORTANT\ NOTE: The\ stated\ operating\ conditions\ represent\ general\ indications.\ It\ is\ recommended\ not\ to\ use\ all\ maximum$ when the control of the stated uper aging conditions represent general indications, it is recommended not to use an 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.

## skf.com | skf.com/seals

® SKF is a registered trademark of the SKF Group.

© SKF Group 2019

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB SE/P8 11806/2 EN · November 2019