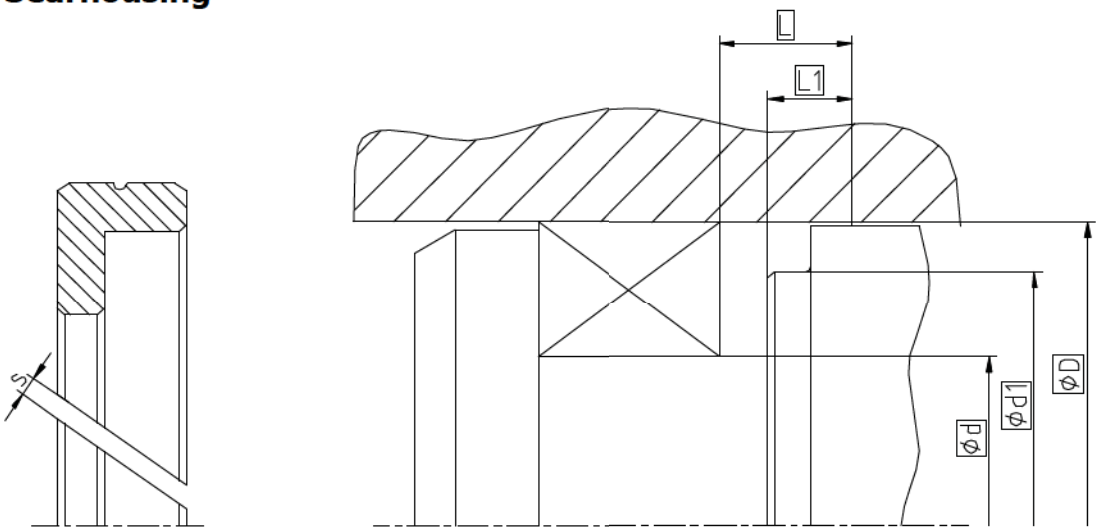
Seal data sheet
Guide rings

F03

2008-09

Seal housing



Sealing material	PU/Elastomers		PTFE	
Surface roughness	Rtmax	Ra	Rtmax	Ra
Sliding Surface	≤ 2,5 µm	0,1...0,5 µm	≤ 2 µm	0,05...0,3 µm
Bottom of groove	≤ 6,3 µm	≤ 1,6 µm	≤ 6,3 µm	≤ 1,6 µm
Groove face	≤ 15 µm	≤ 3 µm	≤ 15 µm	≤ 3 µm

Ordering dimensions...☐

Bearing area: 50...95% and a cutting depth of 0,5xRz based on Cref = 0%

Standard dimensions

ØD H9	**Ød**[1] h10	**Ød1** h8	**L** +0,2	**L1** +0,2
≥ 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		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.

[1] Cross section usually depends on the seal profile.
cutting gap s : values depend on material and temperature. For detailed information please refer to the profile description.

Operating parameters

Guiding material	Temperature	max. speed	Specific load[2]
SKF ECOFLON 2	-200 °C...+200 °C	4 m/s	3,0 N/mm²
SKF ECOFLON 3	-200 °C...+200 °C	5 m/s	4,5 N/mm²
SKF ECOFLON 60% Bz.	-200 °C...+200 °C	5 m/s	7,5 N/mm²
SKF ECOTAL	**-50 °C...+100 °C**	**4 m/s**	**25 N/mm²**
SKF ECOMID	-40 °C...+100 °C	4 m/s	25 N/mm²
SKF ECOTEX	-40 °C...+130 °C	4 m/s	90 N/mm²

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

[1] ≤ Ø260mm: SKF ECOTAL ; > Ø260mm: SKF ECOMID

[2] Depending on temperature and allowed compression. Detailed information see profile description.

Ordering example

F03, D=100mm, d=80mm, d1=95mm, L=10,5mm L1=5,5mm, SKF ECOTAL

Guide Ring F03	**100 x 80/95 x 10,5/5,5**	**SKF ECOTAL**
Profile	D x d/d1 x L/L1	Guiding material

ECONOMOS