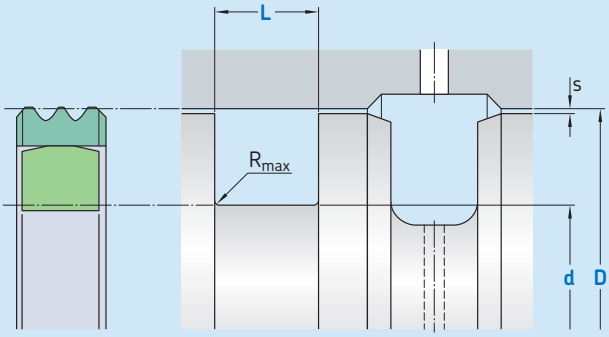
R10-FS



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	≤ 2 µm	0,05–0,3 µm
Bottom of groove	≤ 6,3 µm	≤ 1,6 µm
Groove face	≤ 15 µm	≤ 3 µm

Hardness: On the surface min 55 HRC, hardened depth > 0,3 mm.
Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

D H8 over	D H8 incl.	d h8	L + 0,2	R_{max}	maximal radial extrusion gap s* 100 bar	200 bar	350 bar
mm					mm		
15	**50**	D – 10	5	0,4	0,25	0,2	0,10
50	**60**	D – 15	7,5	0,4	0,3	0,25	0,10
60	**200**	D – 20	10	0,4	0,3	0,25	0,15
200	**300**	D – 25	12,5	0,4	0,3	0,25	0,15
300	**530**	D – 30	15	0,4	0,45	0,3	0,2
530	**650**	D – 35	17,5	0,4	0,45	0,3	0,2
650	**1 000**	D – 40	20	0,4	0,5	0,35	0,25

* Extrusion gap values shown above are valid for a temperature of 80 °C, higher temperatures require lower values.

Ordering example

Profile	**Rotary seal R10-FS**
D x d x L [mm]	**100 x 80 x 10**
Sealing material / Energizer	**SKF Ecoflon 4 / SKF Ecorubber-1**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Energizer	from	to	max	max
–		°C		m/s	bar *(MPa)*
■ SKF Ecoflon 4	■ SKF Ecorubber-1	–30	+100	0,4	350 *(35)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
[1] Surface speed limit values are valid only in the presence of a lubrication film.
[2] Pressure ratings depend on the size of the extrusion gap.

PUB SE/P8 11882 EN · March 2012