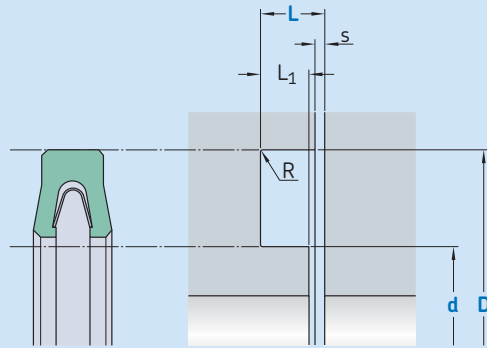


R12-F



Ordering dimensions in **blue**

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

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

Standard dimensions

D	d	L	L_1	R	$s_{max}^{1)}$
H8 over	incl.		min		
mm					
39,6	46	D – 9,6	3,1 +0,08	1,5	0,4
46	125	D – 14,2	4,7 +0,10	2,4	0,4
125	600	D – 19	6,1 +0,15	3,1	0,4

¹⁾ The extrusion gap is valid for the side opposite to the pressure side.

Ordering example

Profile
D x d x L [mm]
Sealing material / Spring

Rotary seal R12-F
125 x 110,8 x 4,7
SKF Ecoflon 2 / 1.4310

Operating parameters

Material Seal	Spring	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
		°C		m/s	bar (MPa)
SKF Ecoflon 1					
SKF Ecoflon 2	1.4310 ³⁾	-200	+260	1	300 (30)
SKF Ecoflon 3	2.4711 ⁴⁾				
SKF Ecoflon 4					

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.

³⁾ Available for standard and x00 spring versions.

⁴⁾ Available for x00 spring versions.