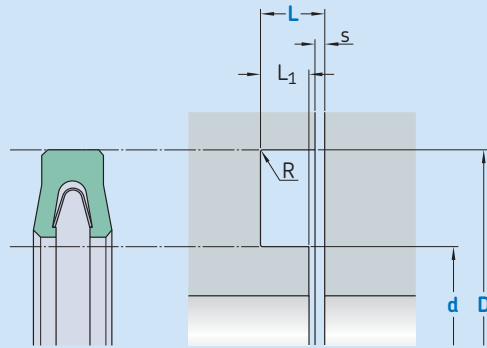


# R12-F



Ordering dimensions in **blue**

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

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					
<b>39,6</b>	<b>46</b>	D – 9,6	3,1 +0,08	1,5	0,4
<b>46</b>	<b>125</b>	D – 14,2	4,7 +0,10	2,4	0,4
<b>125</b>	<b>600</b>	D – 19	6,1 +0,15	3,1	0,4

<sup>1)</sup> 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 <sup>1)</sup>	Pressure <sup>2)</sup>
		from	to	max	max
–		°C		m/s	bar (MPa)
SKF Ecoflon 1					
SKF Ecoflon 2	1.4310 <sup>3)</sup>	–200	+260	1	300 (30)
SKF Ecoflon 3	2.4711 <sup>4)</sup>				
SKF Ecoflon 4					

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> Pressure ratings depend on the size of the extrusion gap.

<sup>3)</sup> Available for standard and x00 spring versions.

<sup>4)</sup> Available for x00 spring versions.