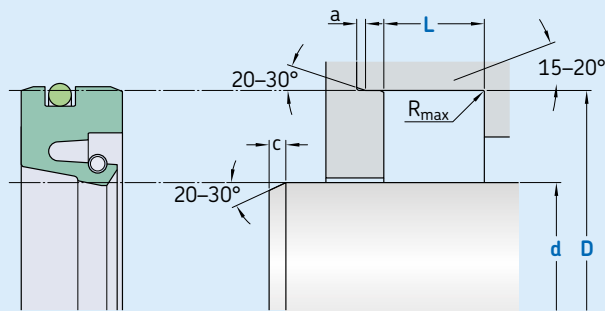


# R01-F



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>	$\leq 15 \mu m$	$\leq 3 \mu m$

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

$d$	$d$	$D$	$L$	$c$	$a$	$R_{max}$		
$h11$	$h11$	H8	-0,1					
Rotating application	Pivoting application							
over	incl.							
15	66	15	33	$d + 12$	7,0	3	1,25	0,4
66	110	33	55	$d + 16$	9,0	3,5	1,5	0,4
110	280	55	140	$d + 20$	10,0	5	2	0,4
280	400	140	200	$d + 25$	12,5	6,5	2,5	0,8
400	600	200	400	$d + 30$	15,0	7,5	3	0,8
		400	600	$d + 40$	20,0	9	3,5	0,8

## Ordering example

Profile  
 $d \times D \times L$  [mm]  
Sealing material / O-Ring / Spring

Rotary seal R01-F  
100 x 120 x 10  
SKF Ecoflon 4 / NBR70 / 1.4310

## Operating parameters

Material Seal	Energizer	Spring	Temperature		Speed <sup>1)</sup>	Pressure
			from	to	max	max
			°C		m/s	bar (MPa)
–						
■ SKF Ecoflon 4	FPM75	1.4310	–20	+200	10	15 (1,5)
	NBR70		–30	+100		

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.