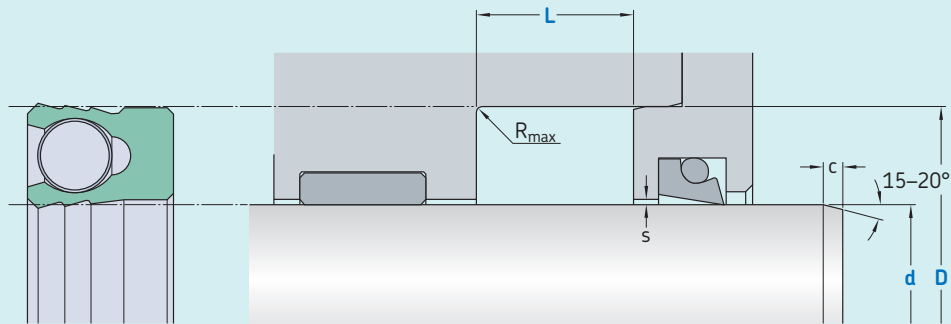


# S03-S



Ordering dimensions in **blue**

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

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

Standard dimensions						Maximal radial extrusion gap				
d	f8	D	L	$R_{max}$	c	$s^*$				
over	incl.	H10	+ 0,2			20 bar	100 bar	200 bar	300 bar	400 bar
mm						mm				
<b>6</b>	<b>10</b>	d + 4	3,5	0,4	2,0	0,25	0,12	0,10	0,08	0,07
<b>10</b>	<b>30</b>	d + 6	5,0	0,4	3,0	0,35	0,17	0,12	0,10	0,08
<b>30</b>	<b>120</b>	d + 10	8,0	0,4	4,0	0,45	0,22	0,17	0,12	0,10
<b>120</b>	<b>200</b>	d + 15	11,5	0,4	5,0	0,75	0,40	0,33	0,25	0,18
<b>200</b>	<b>250</b>	d + 20	13,0	0,4	6,0	0,87	0,48	0,38	0,28	0,20
<b>250</b>	<b>500</b>	d + 25	18,5	0,4	8,5	0,87	0,48	0,38	0,28	0,20
<b>500</b>	<b>1 600</b>	d + 30	23,0	0,4	10,0	0,87	0,48	0,38	0,28	0,20






\* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

## Ordering example

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

Rod seal S03-S  
**100 x 112 x 10**  
SKF Ecoflon 3 / 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	1.431	-200	+260	1	200 (20)
 SKF Ecoflon 2	1.431	-200	+260	1	400 (40)
 SKF Ecoflon 3	1.431	-200	+260	1	400 (40)
 SKF Ecoflon 4	1.431	-200	+260	1	400 (40)
 SKF Ecowear 1000	1.431	-200	+90	0,5	200 (20)

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.