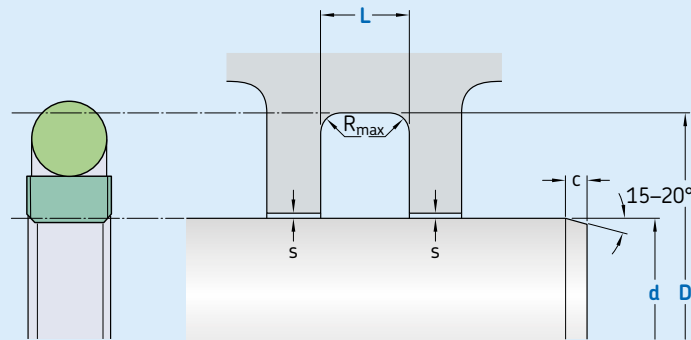


# S09-D

## F-Slide



Ordering dimensions in **blue**

Surface roughness	$R_{tmax}$	$R_a$
<b>Sliding surface</b>	$\leq 2 \mu m$	$0,05-0,2 \mu m$
<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							Maximal radial extrusion gap			
d	D	L	$R_{max}$	c	OD	$s^*$				
f8	H10	$L + 0,2$				100 bar	200 bar	400 bar	600 bar	
over	incl.					mm				
mm						mm				
<b>4</b>	<b>8</b>	$d + 4,9$	2,2	0,4	2,5	1,78	0,30	0,20	0,15	0,05
<b>8</b>	<b>19</b>	$d + 7,3$	3,2	0,6	3,5	2,62	0,40	0,25	0,15	0,05
<b>19</b>	<b>38</b>	$d + 10,7$	4,2	1,0	4,5	3,53	0,40	0,25	0,20	0,10
<b>38</b>	<b>200</b>	$d + 15,1$	6,3	1,3	5,0	5,33	0,50	0,30	0,20	0,10
<b>200</b>	<b>256</b>	$d + 20,5$	8,1	1,8	6,0	7,00	0,60	0,35	0,25	0,15
<b>256</b>	<b>650</b>	$d + 24,0$	8,1	1,8	8,0	7,00	0,60	0,35	0,25	0,15
<b>650</b>	<b>1 000</b>	$d + 27,3$	9,5	2,5	10,0	8,40	0,70	0,50	0,30	0,20
<b>1 000</b>	<b>2 000</b>	$d + 38,0$	13,8	3,0	12,0	12,00	1,00	0,70	0,60	0,30

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

### Ordering example

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

F-Slide S09-D  
100 x 115,1 x 6,3  
SKF Ecoflon 3 / NBR70

## Operating parameters

Material Glide ring	Energizer	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		from	to	max	max
		°C		m/s	bar (MPa)
–					
■ SKF Ecoflon 2	NBR70	–30	+100	10	600 (60)
■ SKF Ecoflon 3					
■ SKF Ecoflon 4	FPM75	–20	+200		

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.