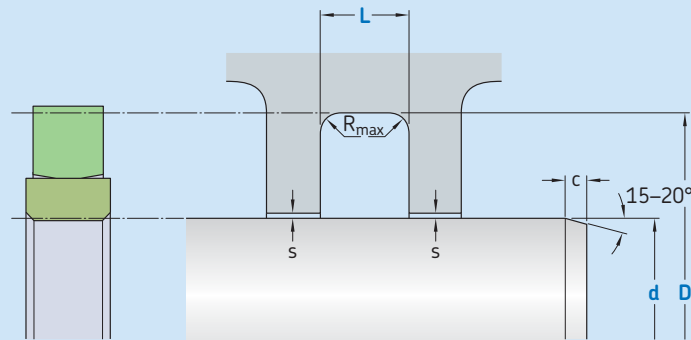


# S09-DS

## X-Slide



Ordering dimensions in **blue**

Surface roughness	$R_{tmax}$	$R_a$
<b>Sliding surface</b>	$\leq 2,5 \mu\text{m}$	$0,05\text{--}0,3 \mu\text{m}$
<b>Bottom of groove</b>	$\leq 6,3 \mu\text{m}$	$\leq 1,6 \mu\text{m}$
<b>Groove face</b>	$\leq 15 \mu\text{m}$	$\leq 3 \mu\text{m}$

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	f8	D	L	$R_{max}$	c	$s^*$			
over	incl.	H10	+ 0,2			100 bar	200 bar	400 bar	600 bar
mm						mm			
<b>4</b>	<b>50</b>	d + 10	5,0	0,2	4,0	0,50	0,40	0,30	0,20
<b>50</b>	<b>60</b>	d + 15	7,5	0,3	5,0	0,50	0,40	0,30	0,20
<b>60</b>	<b>200</b>	d + 20	10,0	0,4	6,0	0,70	0,50	0,40	0,20
<b>200</b>	<b>300</b>	d + 25	12,5	0,4	8,5	0,80	0,60	0,50	0,30
<b>300</b>	<b>530</b>	d + 30	15,0	0,8	10,0	0,90	0,70	0,60	0,30
<b>530</b>	<b>680</b>	d + 35	17,5	1,2	11,5	1,00	0,80	0,70	0,30
<b>680</b>	<b>1 500</b>	d + 40	20,0	1,2	13,0	1,10	0,90	0,80	0,40

\* 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

X-Slide S09-DS  
100 x 120 x 10  
X-ECOPUR / SKF Ecorubber-1

## Operating parameters

Material Glide ring	Energizer	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		from	to	max	max
		°C		m/s	bar (MPa)
<span style="color: red;">■</span> G-ECOPUR 54D <span style="color: green;">■</span> X-ECOPUR <span style="color: darkred;">■</span> X-ECOPUR H <span style="color: darkgrey;">■</span> X-ECOPUR S	<span style="color: black;">■</span> SKF Ecorubber-1 <span style="color: brown;">■</span> SKF Ecosil	-30	+100	5	600 (60)
<span style="color: yellow;">■</span> SKF Ecowear 1000	<span style="color: black;">■</span> SKF Ecorubber-1 <span style="color: brown;">■</span> SKF Ecosil	-30	+90		400 (40)

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.