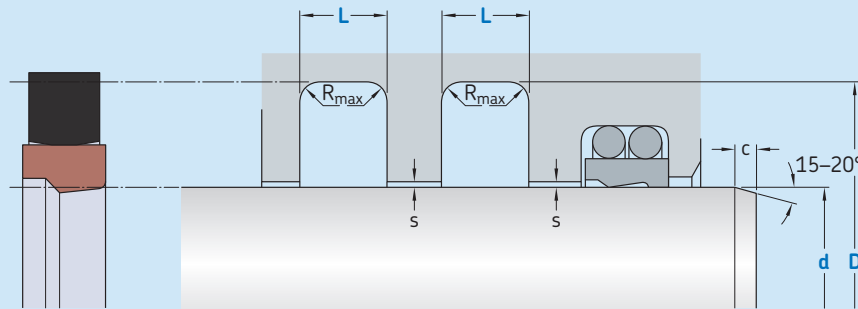


# DS09-ES



Ordering dimensions in **blue**

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

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	f8	D	L	$R_{max}$	c	$s^1$ )			
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	0,40	0,30	0,20	0,10
<b>50</b>	<b>60</b>	d + 15	7,5	0,3	5,0	0,50	0,30	0,20	0,10
<b>60</b>	<b>200</b>	d + 20	10,0	0,4	6,0	0,60	0,40	0,25	0,15

<sup>1)</sup> 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

DS09-ES  
100 x 120 x 10  
SKF Ecoptfe / SKF Econbr

## 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 Ecoptfe	■ SKF Econbr	-30	+100	10	600 (60)
■ SKF Ecoptfe	■ SKF Ecofkm	-20	+200	10	600 (60)

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.