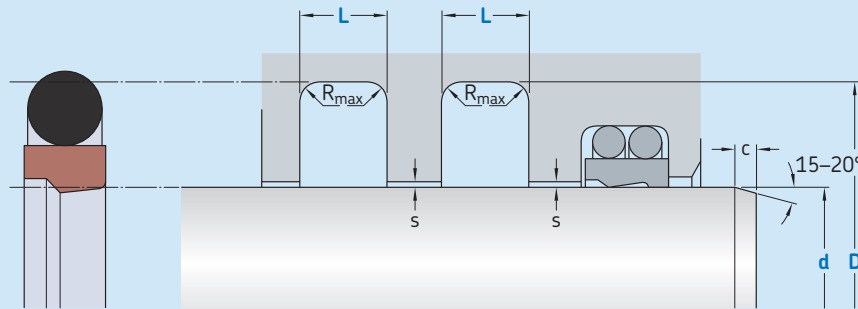


DS09-E



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu m$	$0,05-0,2 \mu m$
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	OD	$s^1)$			
over	incl.	H10	+ 0,2				100 bar	200 bar	400 bar	600 bar
mm							mm			
4	8	$d + 4,9$	2,2	0,4	2,5	1,78	0,30	0,20	0,15	0,05
8	19	$d + 7,3$	3,2	0,6	3,5	2,62	0,40	0,25	0,15	0,05
19	38	$d + 10,7$	4,2	1,0	4,5	3,53	0,40	0,25	0,20	0,10
38	200	$d + 15,1$	6,3	1,3	5,0	5,33	0,50	0,30	0,20	0,10

¹⁾ 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

Rod seal DS09-E
100 x 115,1 x 6,3
SKF Ecoptfe / NBR70

Operating parameters

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

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.

¹⁾ Surface speed limit values are valid only in the presence of a lubrication film.

²⁾ Pressure ratings depend on the size of the extrusion gap.