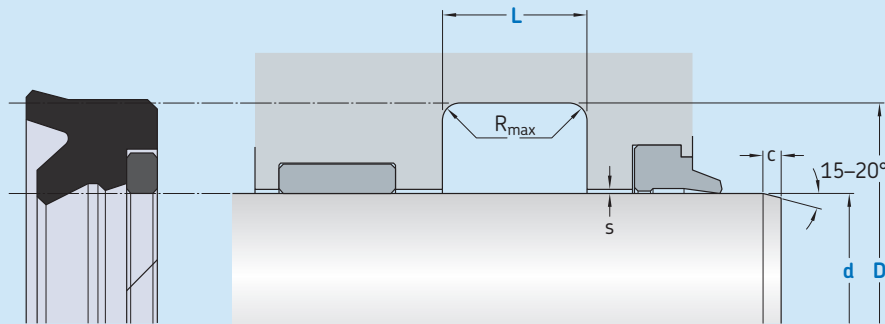


DS18-R



Ordering dimensions in **blue**

Surface roughness R_{tmax} R_a

Sliding surface $\leq 2,5 \mu m$ $0,05-0,3 \mu m$

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

d	f8	D	L	R_{max}	c	Maximal radial extrusion gap		
						s ¹⁾		
over	incl.	H10	+ 0,2			20 bar	100 bar	250 bar
mm						mm		
23	25	d + 8	8,0	0,4	3,5	0,60	0,80	0,52
25	50	d + 10	9,0	0,4	4,0	1,00	1,00	0,66
50	150	d + 15	14,0	0,4	5,0	1,50	1,40	0,78
150	200	d + 20	17,0	0,4	6,0	2,00	1,66	0,88

¹⁾ 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 / Backup ring

Rod Seal DS18-R
100 x 115 x 13
SKF Econbr / SKF Ecotal

Operating parameters

Material Seal	Back-up ring	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
–		°C		m/s	bar (MPa)
■ SKF Econbr	■ SKF Ecotal	–30	+100	0,5	250 (25)
■ SKF Ecofkm	■ SKF Eceptfe	–20	+200	0,5	250 (25)

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.