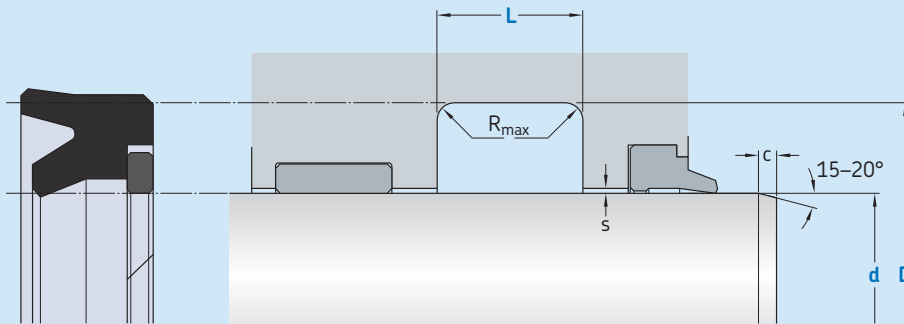


# DS02-R



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
over	incl.	H10	+ 0,2		

**Maximal radial extrusion gap**

						$s^{1)}$		
						20 bar	100 bar	250 bar
mm						mm		
<b>23</b>	<b>25</b>	d + 8	6,3	0,4	3,5	0,60	0,80	0,52
<b>25</b>	<b>50</b>	d + 10	8,0	0,4	4,0	1,00	1,00	0,66
<b>50</b>	<b>150</b>	d + 15	10,0	0,4	5,0	1,50	1,40	0,78
<b>150</b>	<b>200</b>	d + 20	14,0	0,4	6,0	2,00	1,66	0,88

<sup>1)</sup> 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 DS02-R  
**100 x 115 x 10**  
SKF Econbr / SKF Ecotal

## Operating parameters

Material Seal	Back-up ring	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		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.

<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.