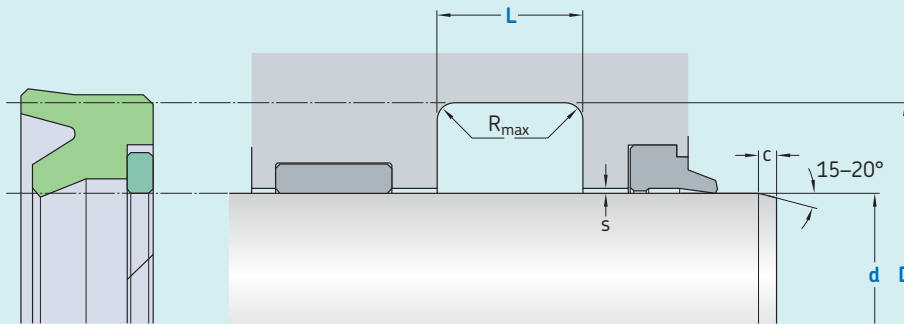


# S02-R



Ordering dimensions in **blue**

Surface roughness	R <sub>tmax</sub>	R <sub>a</sub>
	μm	
<b>Sliding surface</b>	≤ 2,5	0,05–0,3
<b>Bottom of groove</b>	≤ 6,3	≤ 1,6
<b>Groove face</b>	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R<sub>z</sub> based on C<sub>ref</sub> = 0%

Standard dimensions						Maximal radial extrusion gap		
d	f8	D	L	R <sub>max</sub>	c	s*		
over	incl.	H10	+ 0,2			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>300</b>	d + 20	14,0	0,4	6,0	2,00	1,66	0,88
<b>300</b>	<b>500</b>	d + 25	17,0	0,4	8,5	2,50	1,91	1,00
<b>500</b>	<b>700</b>	d + 30	25,0	0,4	10,0	3,00	2,18	1,13
<b>700</b>		d + 40	32,0	0,4	13,0	3,00	2,18	1,13

\* 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 / Back-up ring

**Rod seal S02-R**  
**100 x 115 x 10**  
**SKF Ecorubber-1 / SKF Ecotal**

## Operating parameters

Material Seal	Back-up ring <sup>3)</sup>	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
		from	to	max	max
		°C		m/s	bar (MPa)
■ SKF Ecorubber-1	■ SKF Ecotal	-30	+100	0,5	250 (25)
■ SKF Ecorubber-1	■ SKF Ecomid	-30	+100	0,5	250 (25)
■ SKF Ecorubber-H	■ SKF Ecoflon 2	-25	+150	0,5	250 (25)
■ SKF Ecorubber-H	■ SKF Ecotal	-25	+100	0,5	250 (25)
■ SKF Ecorubber-H	■ SKF Ecomid	-25	+110	0,5	250 (25)
■ SKF Ecorubber-2	■ SKF Ecoflon 2	-20	+200	0,5	250 (25)
■ SKF Ecorubber-3	■ SKF Ecoflon 2	-50	+150	0,5	250 (25)
■ SKF Ecorubber-3	■ SKF Ecotal	-50	+100	0,5	250 (25)
■ SKF Ecorubber-3	■ SKF Ecomid	-40	+110	0,5	250 (25)
■ SKF Ecoflas	■ SKF Ecopaek	-10	+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.

<sup>3)</sup> Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.