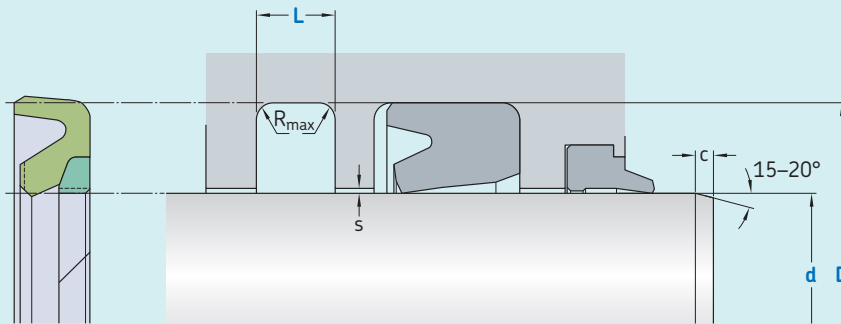


# S02-S



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	D	L	R <sub>max</sub>	c	s*	100 bar	200 bar	400 bar	600 bar
f8	H10	+ 0,2							
over	incl.								
mm						mm			
<b>10</b>	<b>19</b>	d + 7,3	3,2	0,6	3,5	0,4	0,25	0,15	0,05
<b>19</b>	<b>38</b>	d + 10,7	4,2	1,0	4,5	0,4	0,25	0,20	0,10
<b>38</b>	<b>200</b>	d + 15,1	6,3	1,3	5,0	0,5	0,30	0,20	0,10
<b>200</b>	<b>256</b>	d + 20,5	8,1	1,8	6,0	0,6	0,35	0,25	0,15
<b>256</b>	<b>600</b>	d + 24,0	8,1	1,8	8,0	0,6	0,35	0,25	0,15

\* 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-S  
 100 x 115 x 6,3  
 ECOPUR / 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)
■ ECOPUR	■ SKF Ecotal	-30	+100	0,5	400 (40)
■ ECOPUR	■ SKF Ecomid	-30	+110	0,5	400 (40)
■ H-ECOPUR	■ SKF Ecotal	-20	+100	0,5	400 (40)
■ H-ECOPUR	■ SKF Ecomid	-20	+110	0,5	400 (40)
■ S-ECOPUR	■ SKF Ecotal	-20	+100	0,5	400 (40)
■ S-ECOPUR	■ SKF Ecomid	-20	+110	0,5	400 (40)
■ T-ECOPUR	■ SKF Ecotal	-50	+100	0,5	400 (40)
■ T-ECOPUR	■ SKF Ecomid	-40	+110	0,5	400 (40)

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.