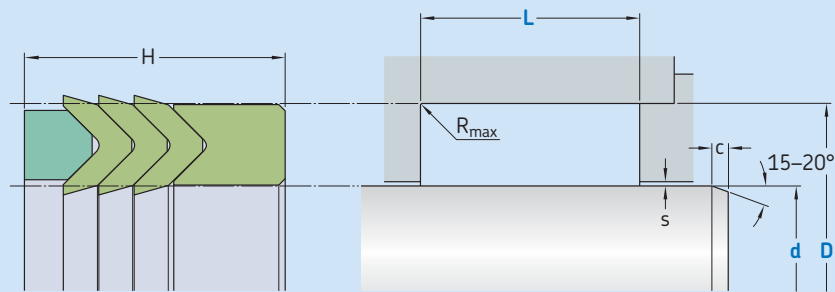


# S1012-T



Ordering dimensions in **blue**

Surface roughness	$R_{tmax}$	$R_a$
<b>Sliding surface</b>	$\leq 2,5 \mu m$	$0,05-0,3 \mu m$
<b>Bottom of groove</b>	$\leq 6,3 \mu m$	$\leq 1,6 \mu m$
<b>Groove face</b>	$\leq 15 \mu m$	$\leq 3 \mu m$

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	$s^*$
over	incl.	H10	+ 0,2			
mm						
<b>10</b>	<b>40</b>	$d + 10$	16	0,4	4	0,25
<b>40</b>	<b>75</b>	$d + 15$	25	0,4	5	0,38
<b>75</b>	<b>150</b>	$d + 20$	32	0,4	6	0,50
<b>150</b>	<b>200</b>	$d + 25$	40	0,4	8,5	0,63
<b>200</b>	<b>300</b>	$d + 30$	50	0,4	10	0,75
<b>300</b>		$d + 40$	63	0,4	13	1,00

\* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

### Ordering example

Profile

$d \times D \times L$  [mm] / Number of chevrons

Pressure ring / Sealing material / Support ring

Rod Seal S1012-T

100 x 120 x 23 / 2

SKF Ecotal / ECOPUR / SKF Ecotal

Operating parameters

Material		Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
Pressure ring S10-A	Chevron S11-T	Support ring S12-T	from to	max	max
-			°C	m/s	bar (MPa)
<ul style="list-style-type: none"> <li>■ SKF Ecotal<sup>3)</sup></li> <li>■ SKF Ecomid<sup>3)</sup></li> </ul>	<ul style="list-style-type: none"> <li>■ ECOPUR</li> </ul>	<ul style="list-style-type: none"> <li>■ SKF Ecotal<sup>3)</sup></li> <li>■ SKF Ecomid<sup>3)</sup></li> </ul>	-30		
<ul style="list-style-type: none"> <li>■ SKF Ecomid</li> </ul>	<ul style="list-style-type: none"> <li>■ ECOPUR LD</li> <li>■ G-ECOPUR</li> </ul>	<ul style="list-style-type: none"> <li>■ SKF Ecomid</li> </ul>	-35 -30	+100	0,5 500 (50)
<ul style="list-style-type: none"> <li>■ SKF Ecotal<sup>3)</sup></li> <li>■ SKF Ecomid<sup>3)</sup></li> </ul>	<ul style="list-style-type: none"> <li>■ H-ECOPUR</li> <li>■ S-ECOPUR</li> </ul>	<ul style="list-style-type: none"> <li>■ SKF Ecotal<sup>3)</sup></li> <li>■ SKF Ecomid<sup>3)</sup></li> </ul>	-20		0,7
	<ul style="list-style-type: none"> <li>■ SKF Ecorubber-H</li> </ul>		-25	+150	
<ul style="list-style-type: none"> <li>■ SKF Ecoflon 2</li> </ul>	<ul style="list-style-type: none"> <li>■ SKF Ecorubber-1</li> </ul>	<ul style="list-style-type: none"> <li>■ SKF Ecoflon 2</li> </ul>	-30	+100	0,5 250 (25)
	<ul style="list-style-type: none"> <li>■ SKF Ecorubber-2</li> </ul>		-20	+200	
	<ul style="list-style-type: none"> <li>■ SKF Ecorubber-3</li> </ul>		-50	+150	

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> D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid. Depending on the application, other material combinations are possible. Contact SKF for more information.