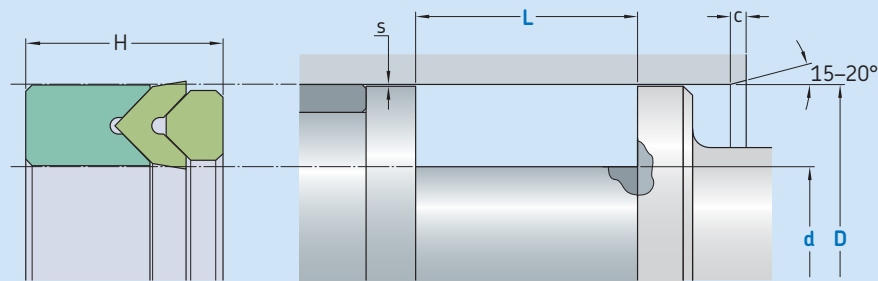


# K1012-M



Ordering dimensions in **blue**

Surface roughness	$R_{tmax}$	$R_a$
<b>Sliding surface</b>	$\leq 2,5 \mu m$	$0,05-0,2 \mu m$
<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	H9	d	L	$R_{max}$	c	$s^*$
over	incl.	$h10$	$+0,2$			
mm						
<b>40</b>	<b>75</b>	D - 10	9,5	0,4	4,0	0,25
<b>75</b>	<b>150</b>	D - 15	12,3	0,4	5,0	0,37
		D - 20	21,2	0,4	6,0	0,50
<b>150</b>	<b>200</b>	D - 25	25,8	0,4	8,5	0,62
<b>200</b>	<b>300</b>	D - 30	33,5	0,4	10,0	0,75
<b>300</b>		D - 40	41,5	0,4	13,0	1,00

\* 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] / No. of chevrons  
Sealing ring / Chevron / Pressure ring

Piston seal K1012-M  
100 x 80 x 21,2 / 2  
SKF Ecotal / ECOPUR / SKF Ecotal

## Operating parameters

Material Support ring K10-A	Chevron K11-M	Pressure ring K12-M	Temperature		Speed <sup>1)</sup> max	Pressure <sup>2)</sup> max
			from	to		
-			°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	+100	0,5	500 (50)
<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>	-20		0,7	
<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>	-25	+150		
<ul style="list-style-type: none"> <li>■ SKF Ecoflon 2</li> </ul>	<ul style="list-style-type: none"> <li>■ SKF Ecorubber-H</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-1</li> </ul>		-20	+200		
	<ul style="list-style-type: none"> <li>■ SKF Ecorubber-2</li> </ul>		-50	+150		
	<ul style="list-style-type: none"> <li>■ SKF Ecorubber-3</li> </ul>					

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.