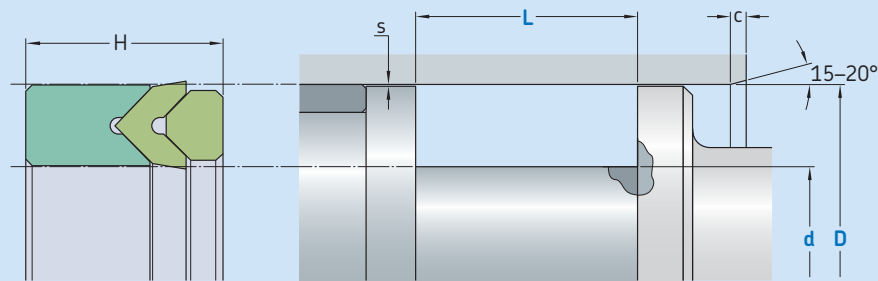


K1012-M



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu m$	$0,05-0,2 \mu m$
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	H9	d	L	R_{max}	c	s^*
over	incl.	$h10$	$+0,2$			
mm						
40	75	D - 10	9,5	0,4	4,0	0,25
75	150	D - 15	12,3	0,4	5,0	0,37
		D - 20	21,2	0,4	6,0	0,50
150	200	D - 25	25,8	0,4	8,5	0,62
200	300	D - 30	33,5	0,4	10,0	0,75
300		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 ¹⁾ max	Pressure ²⁾ max
			from	to		
-			°C		m/s	bar (MPa)
<ul style="list-style-type: none"> ■ SKF Ecotal³⁾ ■ SKF Ecomid³⁾ 	<ul style="list-style-type: none"> ■ ECOPUR 	<ul style="list-style-type: none"> ■ SKF Ecotal³⁾ ■ SKF Ecomid³⁾ 	-30	+100	0,5	500 (50)
<ul style="list-style-type: none"> ■ SKF Ecomid 	<ul style="list-style-type: none"> ■ ECOPUR LD ■ G-ECOPUR 	<ul style="list-style-type: none"> ■ SKF Ecomid 	-20		0,7	
<ul style="list-style-type: none"> ■ SKF Ecotal³⁾ ■ SKF Ecomid³⁾ 	<ul style="list-style-type: none"> ■ H-ECOPUR ■ S-ECOPUR 	<ul style="list-style-type: none"> ■ SKF Ecotal³⁾ ■ SKF Ecomid³⁾ 	-25	+150		
<ul style="list-style-type: none"> ■ SKF Ecoflon 2 	<ul style="list-style-type: none"> ■ SKF Ecorubber-H 	<ul style="list-style-type: none"> ■ SKF Ecoflon 2 	-30	+100	0,5	250 (25)
	<ul style="list-style-type: none"> ■ SKF Ecorubber-1 		-20	+200		
	<ul style="list-style-type: none"> ■ SKF Ecorubber-2 		-50	+150		
	<ul style="list-style-type: none"> ■ SKF Ecorubber-3 					

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.

¹⁾ Surface speed limit values are valid only in the presence of a lubrication film.

²⁾ Pressure ratings depend on the size of the extrusion gap.

³⁾ D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid. Depending on the application, other material combinations are possible. Contact SKF for more information.