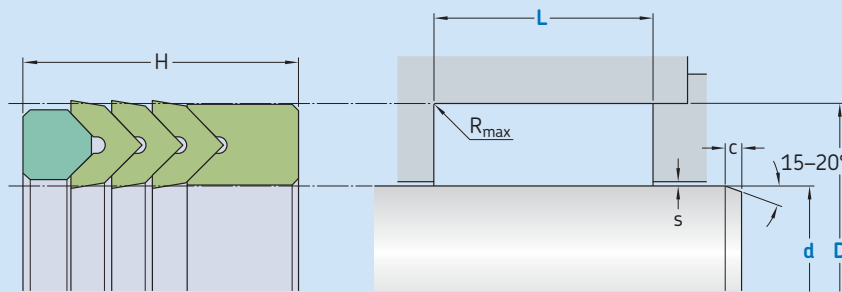


S1012-M



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu m$	$0,05-0,3 \mu m$
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	f8	D	L	R_{max}	c	s^*
over	incl.	H10	+0,2			
mm						
5	40	d + 10	16	0,4	4	0,25
40	75	d + 15	25	0,4	5	0,38
75	150	d + 20	32	0,4	6	0,50
150	200	d + 25	40	0,4	8,5	0,63
200	300	d + 30	50	0,4	10	0,75
300		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 x D x L [mm] / Number of chevrons

Pressure ring / Sealing material / Support ring

Rod Seal S1012-M

100 x 125 x 30 / 2

SKF Ecotal / ECOPUR / SKF Ecotal

Operating parameters

Material		Temperature		Speed ¹⁾	Pressure ²⁾	
Pressure ring S10-A	Chevron S11-M	Support ring S12-M	from	to	max	
-			°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		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 	-35	+100		
<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⁾ 	-20		0,7	
<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 	-25	+150	0,5	250 (25)
	<ul style="list-style-type: none"> ■ SKF Ecorubber-1 		-30	+100		
	<ul style="list-style-type: none"> ■ SKF Ecorubber-2 		-20	+200		
	<ul style="list-style-type: none"> ■ SKF Ecorubber-3 		-50	+150		

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.