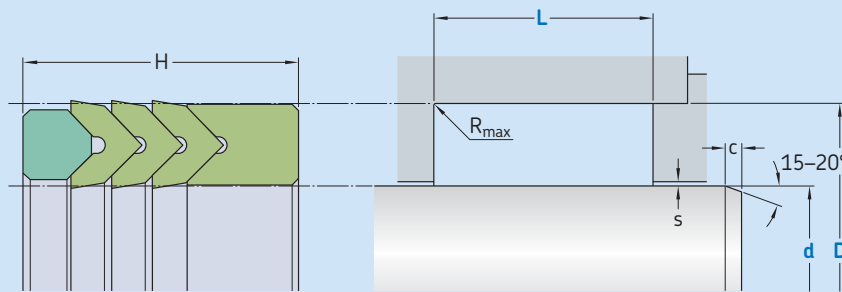


S1012-M



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	max
-			°C	m/s	bar (MPa)
■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	■ ECOPUR	■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	-30	0,5	500 (50)
■ SKF Ecomid	■ ECOPUR LD ■ G-ECOPUR	■ SKF Ecomid	-35 +100 -30		
■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	■ H-ECOPUR ■ S-ECOPUR	■ SKF Ecotal ³⁾ ■ SKF Ecomid ³⁾	-20	0,7	
■ SKF Ecoflon 2	■ SKF Ecorubber-H	■ SKF Ecoflon 2	-25 +150	0,5	250 (25)
	■ SKF Ecorubber-1		-30 +100		
	■ SKF Ecorubber-2		-20 +200		
	■ 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.