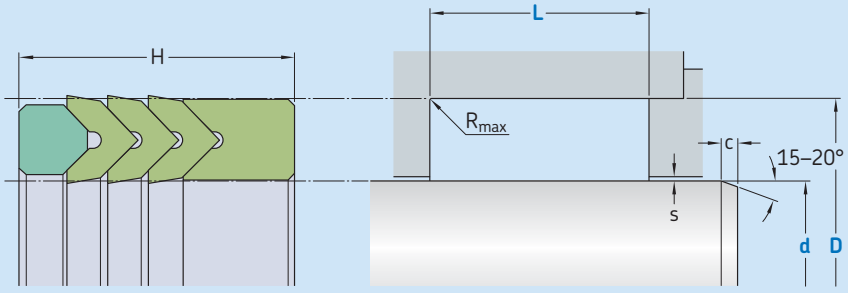
S1012-M



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	≤ 2,5 µm	0,05–0,3 µm
Bottom of groove	≤ 6,3 µm	≤ 1,6 µm
Groove face	≤ 15 µm	≤ 3 µm

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

d f8 over	incl.	D H10	L + 0,2	R_{max}	c	s*
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	**Rod Seal S1012-M**
d x D x L [mm] / Number of chevrons	**100 x 125 x 30 / 2**
Pressure ring / Sealing material / Support ring	**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			
■ SKF Ecomid	■ ECOPUR LD	■ SKF Ecomid	–35	+100	0,5	500 (*50*)
	■ G-ECOPUR		–30			
■ SKF Ecotal[3] ■ SKF Ecomid[3]	■ H-ECOPUR	■ SKF Ecotal[3] ■ SKF Ecomid[3]	–20			
	■ S-ECOPUR				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.

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