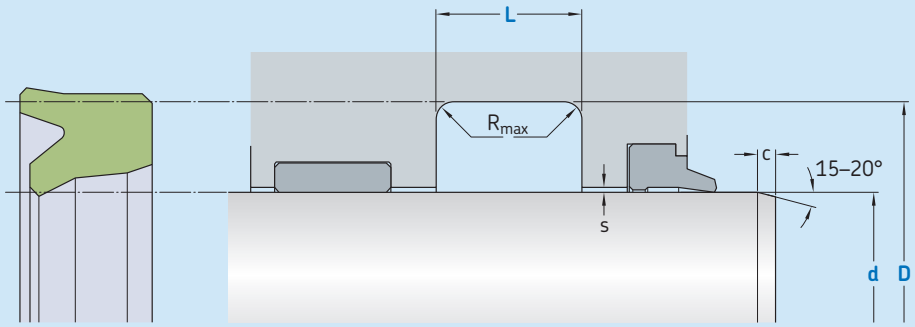
S01-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	≤ 2,5 µm	0,1–0,5 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	**maximal radial extrusion gap** s* 20 bar	100 bar	200 bar	400 bar
mm						mm			
11	**25**	d + 8	6,3	0,4	3,5	0,33	0,17	0,11	0,05
25	**50**	d + 10	8,0	0,4	4,0	0,37	0,22	0,16	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19
150	**300**	d + 20	14,0	0,4	6,0	0,54	0,39	0,32	0,26
300	**500**	d + 25	17,0	0,4	8,5	0,61	0,46	0,39	0,33
500	**700**	d + 30	25,0	0,4	10,0	0,67	0,52	0,45	0,39
700		d + 40	32,0	0,4	13,0	0,67	0,52	0,45	0,39

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S01-P**
d x D x L [mm]	**100 x 115 x 10**
Sealing material	**ECOPUR**

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
–	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	0,5	400 (*40*)
H-ECOPUR	–20			
S-ECOPUR			0,7	
T-ECOPUR	–50		0,5	
G-ECOPUR	–30			

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.

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