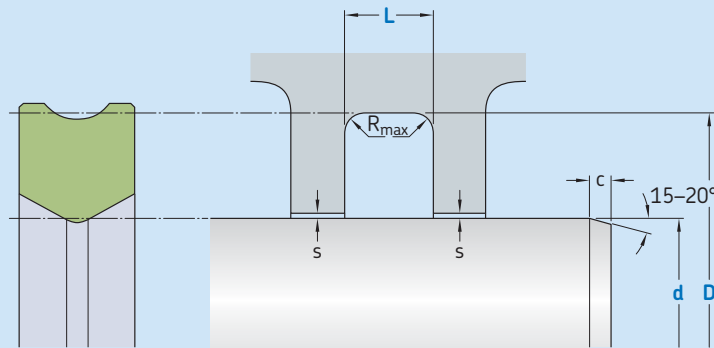


S35-P



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						Maximal radial extrusion gap			
d	D	L	R_{max}	c	s^*	20 bar	100 bar	200 bar	400 bar
f8	H10	+ 0,2							
over	incl.								
mm						mm			
5	10	d + 5	4,0	0,4	2,0	0,33	0,18	0,10	0,05
10	25	d + 6	4,5	0,4	3,0	0,33	0,18	0,10	0,05
25	50	d + 8	5,5	0,4	3,5	0,33	0,18	0,10	0,05
50	100	d + 10	6,5	0,4	4,0	0,37	0,23	0,15	0,10
100	150	d + 15	9,5	0,4	5,0	0,46	0,33	0,25	0,18
150	300	d + 20	12,5	0,4	6,0	0,54	0,38	0,33	0,25
300	500	d + 25	15,0	0,4	8,5	0,61	0,45	0,40	0,33
500	700	d + 30	17,5	0,4	10,0	0,67	0,50	0,45	0,40
700	1 250	d + 40	22,0	0,4	13,0	0,77	0,50	0,45	0,40
1 250	2 000	d + 50	27,0	0,4	15,0	0,87	0,60	0,50	0,40
2 000	4 000	d + 60	32,0	0,4	18,0	0,97	0,70	0,50	0,40

* 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]
Sealing material

Rod Seal S35-P
120 x 135 x 9,5
ECOPUR

Operating parameters

Material Seal	Temperature		Speed ^{1) 2)}	Pressure ³⁾
	from	to	max	max
–	°C		m/s	bar (MPa)
■ ECOPUR	–30			
■ ECOPUR LD	–35			
■ G-ECOPUR	–30	+110	0,4	400 (40)
■ H-ECOPUR	–20			
■ S-ECOPUR			0,5	
■ T-ECOPUR	–50		0,4	

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⁾ Rotary applications max. 0,2 m/s

³⁾ Pressure ratings depend on the size of the extrusion gap.