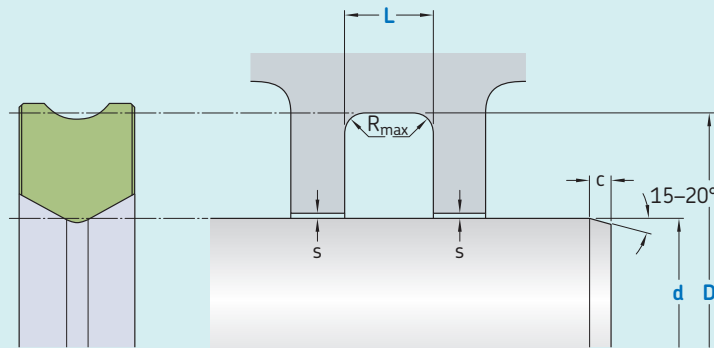


# S35-P



Ordering dimensions in **blue**

Surface roughness	$R_{tmax}$	$R_a$
	$\mu m$	
<b>Sliding surface</b>	$\leq 2,5$	0,05–0,3
<b>Bottom of groove</b>	$\leq 6,3$	$\leq 1,6$
<b>Groove face</b>	$\leq 15$	$\leq 3$

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			
<b>5</b>	<b>10</b>	d + 5	4,0	0,4	2,0	0,33	0,18	0,10	0,05
<b>10</b>	<b>25</b>	d + 6	4,5	0,4	3,0	0,33	0,18	0,10	0,05
<b>25</b>	<b>50</b>	d + 8	5,5	0,4	3,5	0,33	0,18	0,10	0,05
<b>50</b>	<b>100</b>	d + 10	6,5	0,4	4,0	0,37	0,23	0,15	0,10
<b>100</b>	<b>150</b>	d + 15	9,5	0,4	5,0	0,46	0,33	0,25	0,18
<b>150</b>	<b>300</b>	d + 20	12,5	0,4	6,0	0,54	0,38	0,33	0,25
<b>300</b>	<b>500</b>	d + 25	15,0	0,4	8,5	0,61	0,45	0,40	0,33
<b>500</b>	<b>700</b>	d + 30	17,5	0,4	10,0	0,67	0,50	0,45	0,40
<b>700</b>	<b>1 250</b>	d + 40	22,0	0,4	13,0	0,77	0,50	0,45	0,40
<b>1 250</b>	<b>2 000</b>	d + 50	27,0	0,4	15,0	0,87	0,60	0,50	0,40
<b>2 000</b>	<b>4 000</b>	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 <sup>1)</sup>	Pressure <sup>2)</sup>
	from	to	max	max
	°C		m/s	bar (MPa)
■ ECOPUR	-30	+110	0,4	400 (40)
■ ECOPUR LD	-35	+110	0,4	400 (40)
■ G-ECOPUR	-30	+110	0,4	400 (40)
■ H-ECOPUR	-20	+110	0,4	400 (40)
■ S-ECOPUR	-20	+110	0,4	400 (40)
■ T-ECOPUR	-50	+110	0,4	400 (40)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.

<sup>1)</sup> Surface speed limit values are valid only in the presence of a lubrication film.

<sup>2)</sup> Pressure ratings depend on the size of the extrusion gap.