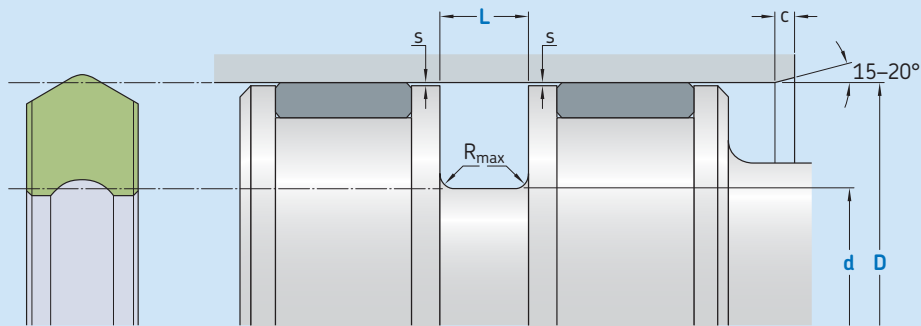


# K35-P



Ordering dimensions in **blue**

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

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	H9	d	L	$R_{max}$	c	$s^*$		
over	incl.	h10	+ 0,2			100 bar	200 bar	400 bar
mm						mm		
<b>10</b>	<b>20</b>	D - 5	4	0,4	2	0,16	0,08	0,03
<b>20</b>	<b>40</b>	D - 6	4,5	0,4	3	0,18	0,10	0,05
<b>40</b>	<b>60</b>	D - 8	5,5	0,4	3,5	0,18	0,10	0,05
<b>60</b>	<b>100</b>	D - 10	6,5	0,4	4	0,23	0,15	0,10
<b>100</b>	<b>150</b>	D - 15	9,5	0,4	5	0,33	0,25	0,18
<b>150</b>	<b>300</b>	D - 20	12,5	0,4	6	0,38	0,33	0,25
<b>300</b>	<b>500</b>	D - 25	15	0,4	8,5	0,45	0,40	0,33
<b>500</b>	<b>700</b>	D - 30	17,5	0,4	10	0,5	0,45	0,40
<b>700</b>		D - 40	22	0,4	13	0,65	0,63	0,55

\* 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

Piston seal K35-P  
100 x 85 x 9,5  
ECOPUR

## Operating parameters

Material Seal	Temperature		Speed <sup>1) 2)</sup>	Pressure <sup>3)</sup>
	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	–20		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.

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

<sup>2)</sup> Rotary applications max. 0,2 m/s

<sup>3)</sup> Pressure ratings depend on the size of the extrusion gap.