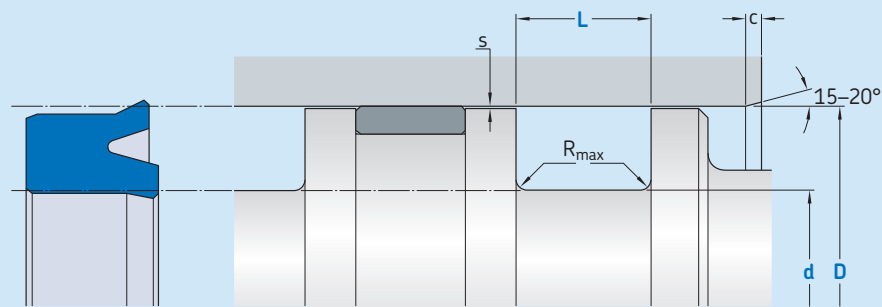


# DK01-P



Ordering dimensions in **blue**

**Surface roughness**  $R_{tmax}$      $R_a$

**Sliding surface**     $\leq 2,5 \mu m$      $0,05-0,2 \mu m$

**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**

D H9 over	d h10 incl.	L + 0,2	$R_{max}$	c	$s^{1)}$	Maximal radial extrusion gap			
						20 bar	100 bar	200 bar	400 bar
mm						mm			
<b>13</b>	<b>25</b>	D - 8	6,0	0,4	3,5	0,33	0,18	0,11	0,05
<b>25</b>	<b>50</b>	D - 10	7,0	0,4	4,0	0,37	0,22	0,16	0,10
<b>50</b>	<b>75</b>	D - 12	8,0	0,4	4,5	0,42	0,27	0,20	0,14
<b>75</b>	<b>150</b>	D - 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19
<b>150</b>	<b>200</b>	D - 20	12,0	0,4	6,0	0,54	0,39	0,32	0,26

<sup>1)</sup> 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 DK01-P  
**100 x 85 x 10**  
ECOPUR DD

## Operating parameters

Material Seal	Temperature		Speed <sup>1)</sup>	Pressure <sup>2)</sup>
	from	to	max	max
–	°C		m/s	bar (MPa)
■ ECOPUR DD	–30	+100	0,5	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.