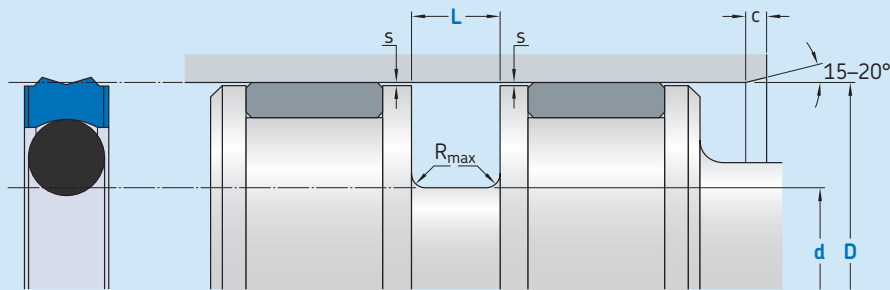


DK08-P



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							Maximal radial extrusion gap		
D	d	L	R	c	OD	$s^{1)}$			
H9	h10	+0,2					20 bar	100 bar	250 bar
over	incl.						mm		
mm							mm		
10	15	D - 4,9	2,2	0,4	2,5	1,78	0,35	0,22	0,13
15	40	D - 7,5	3,2	0,6	3,5	2,62	0,5	0,30	0,16
40	80	D - 11	4,2	1,0	4,5	3,53	0,6	0,34	0,18
80	133	D - 15,5	6,3	1,3	5,0	5,33	0,75	0,40	0,21
133	200	D - 21	8,1	1,8	6,0	7,00	0,85	0,45	0,24

¹⁾ 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 / Energizer

Piston seal DK08-P
100 x 84,5 x 6,3
ECOPUR DD / NBR70

Operating parameters

Material Seal	Energizer	Temperature		Speed ¹⁾	Pressure ²⁾
		from	to	max	max
–		°C		m/s	bar (MPa)
■ ECOPUR DD	NBR70	–30	+100	1	250 (25)

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.