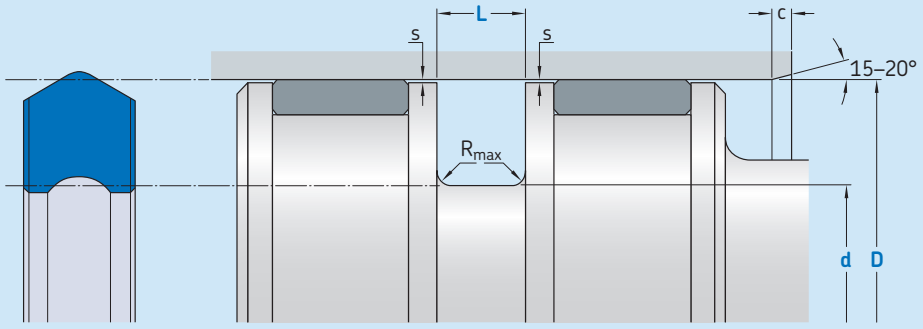
PISTON SEAL
SEAL HOUSING

DK35-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
Sliding surface	≤ 2,5 µm	0,05–0,2 µm
Bottom of groove	≤ 6,3 µm	≤ 1,6 µm
Groove face	≤ 15 µm	≤ 3 µm

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

D H9 over	incl.	d h10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** $s^{1)}$ 100 bar	200 bar	400 bar
mm						mm		
10	**20**	D – 5	4	0,4	2	0,16	0,08	0,03
20	**40**	D – 6	4,5	0,4	3	0,18	0,10	0,05
40	**60**	D – 8	5,5	0,4	3,5	0,18	0,10	0,05
60	**100**	D – 10	6,5	0,4	4	0,23	0,15	0,10
100	**150**	D – 15	9,5	0,4	5	0,33	0,25	0,18
150	**200**	D – 20	12,5	0,4	6	0,38	0,33	0,25

[1)] Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Piston seal DK35-P**
D x d x L [mm]	**100 x 85 x 9,5**
Sealing material	**ECOPUR DD**

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Operating parameters

Material Seal	Temperature		Speed[1) 2)]	Pressure[3)]
	from	to	max	max
–	°C		m/s	bar (*MPa*)
■ ECOPUR DD	–30	+100	0,4	400 (*40*)

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.

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