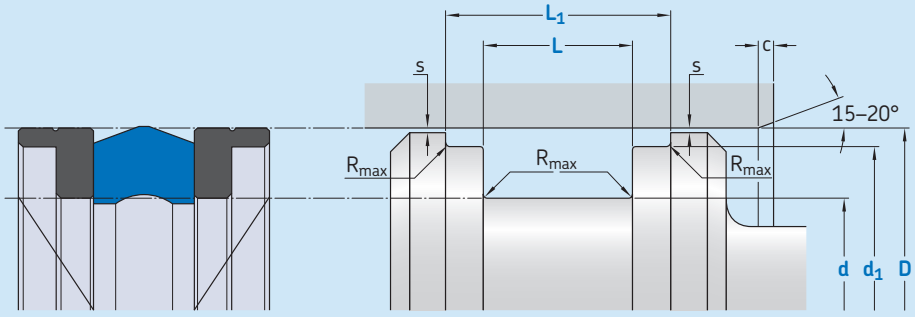
PISTON SEAL
SEAL HOUSING

DK17-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 h9	d_1 h8	L + 0,2	L_1	R_{max}	c	s[1)]
mm								
13	**40**	D – 8	D – 3	10	18	0,4	4	0,35
40	**80**	D – 10	D – 3	10	18	0,4	4	0,40
80	**120**	D – 15	D – 4	15	23	0,4	5	0,50
120	**200**	D – 20	D – 5	20	33	0,4	6	0,65

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

Ordering example

Profile	**Piston seal DK17-P**
D x d/d_1 x L/L_1 [mm]	**100 x 85/96 x 15/23**
Sealing material / Backup ring	**ECOPUR DD / SKF Ecotal**

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Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Back-up ring	from	to	max	max
–		°C		m/s	bar *(MPa)*
ECOPUR DD	SKF Ecotal	–30	+100	0,5	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.

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