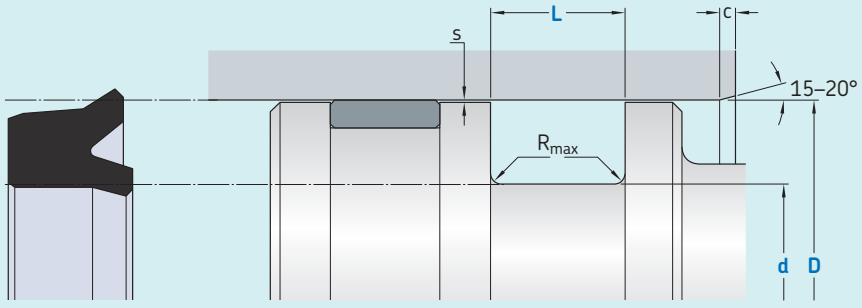
DK01-RE



Ordering dimensions in **blue**

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

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 h10	L + 0,2	R_{max}	c	$s^{1)}$		
over	incl.					20 bar	100 bar	160 bar
mm						mm		
13	**25**	D – 8	6	0,4	3,5	0,23	0,16	0,14
25	**50**	D – 10	7	0,4	4,0	0,26	0,19	0,17
50	**75**	D – 12	8	0,4	4,5	0,29	0,22	0,20
75	**150**	D – 15	10	0,4	5,0	0,32	0,24	0,22
150	**200**	D – 20	12	0,4	6,0	0,35	0,27	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 DK01-RE**
D x d x L [mm]	**100 x 85 x 10**
Sealing material	**SKF Econbr**

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar *(MPa)*
■ SKF Econbr	–30	+100	0,5	160 *(16)*
■ SKF Ecofkm	–20	+200	0,5	160 *(16)*

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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