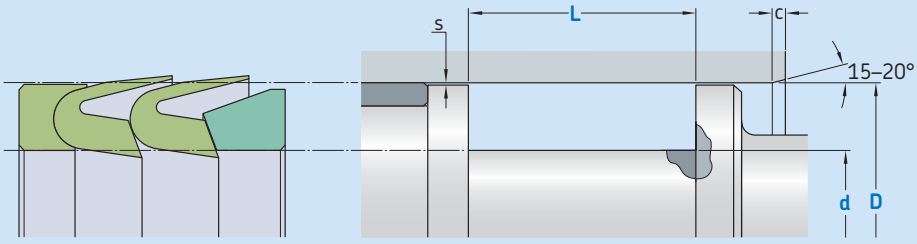
PISTON SEAL
SEAL HOUSING

K32-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	D H9 incl.	d h10	L + 0,2	R_{max}	c	s*
mm						
	25	D – 12	24	0,4	4,5	0,6
25	**44**	D – 15	29	0,4	5	0,38
44	**100**	D – 20	38	0,4	6	0,50
100	**150**	D – 25	47,5	0,4	8,5	0,63
150	**250**	D – 30/35	57	0,4	10	0,75/0,88
250	**500**	D – 40/45	76	0,4	13	1,00/1,13
500		D – 50	95	0,4	16	1,25

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

Ordering example

Profile	**Piston seal K32-P**
D x d x L [mm] / No. of chevrons	**100 x 75 x 47,5 / 2**
Pressure ring / Chevron / Support ring	**SKF Ecotal / ECOPUR / SKF Ecotal**

Operating parameters

Material			Temperature		Speed[1]	Pressure[2]
Pressure ring	Chevron	Support ring	from	to	max	max
–			°C		m/s	bar (*MPa*)
■ SKF Ecotal[3] ■ SKF Ecomid[3]	■ ECOPUR	■ SKF Ecotal[3] ■ SKF Ecomid[3]	–30	+100	0,5	500 (*50*)
■ SKF Ecomid	■ ECOPUR LD	■ SKF Ecomid	–35			
	■ G-ECOPUR		–30			
■ SKF Ecotal[3] ■ SKF Ecomid[3]	■ H-ECOPUR	■ SKF Ecotal[3] ■ SKF Ecomid[3]	–20		0,7	
	■ S-ECOPUR					
	■ T-ECOPUR		–40		0,5	

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.
[3] D ≤ 260 mm → SKF Ecotal, D > 260 mm → SKF Ecomid. Depending on the application, other material combinations are possible. Contact SKF for more information.

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