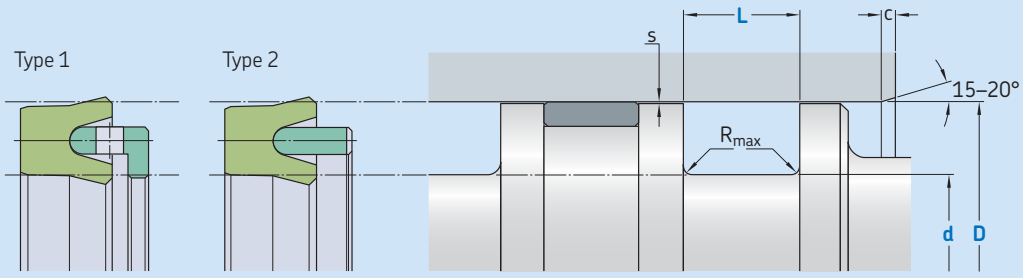
PISTON SEAL
SEAL HOUSING

K22-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* 20 bar	100 bar	200 bar	400 bar
mm						mm			
14	**25**	D – 8	6,0	0,4	3,5	0,33	0,18	0,11	0,05
25	**50**	D – 10	7,0	0,4	4,0	0,37	0,22	0,16	0,10
50	**75**	D – 12	8,0	0,4	4,5	0,42	0,27	0,20	0,14
75	**150**	D – 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19
150	**300**	D – 20	12,0	0,4	6,0	0,54	0,39	0,32	0,26
300	**500**	D – 25	18,0	0,4	8,5	0,61	0,46	0,39	0,33
500	**600**	D – 30	20,0	0,4	10,0	0,67	0,52	0,45	0,39

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.
Standard: Type 2

Ordering example

Profile	**Piston seal K22-P Type 1**
D x d x L [mm]	**100 x 85 x 10**
Sealing material / Support ring	**ECOPUR / SKF Ecotal**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Support ring	from	to	max	max
–		°C		m/s	bar *(MPa)*
ECOPUR	SKF Ecotal[3] / SKF Ecomid[3]	–30			
ECOPUR LD	SKF Ecomid	–35		0,5	
G-ECOPUR	SKF Ecomid	–30	+100		400 *(40)*
H-ECOPUR	SKF Ecomid	–20			
S-ECOPUR	SKF Ecotal[3] / SKF Ecomid[3]	–20		0,7	
T-ECOPUR	SKF Ecotal[3] / SKF Ecomid[3]	–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.

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