



K98 is a single acting piston - rod seal and designed to have symmetrical lips in order to be used both for rod and piston applications. O-ring acts as a spring and provides sealing contact under low pressures and shock pressures.

## **PRODUCT ADVANTAGES**

- Good sealing performance under low pressures and shock pressures
- Superior static and dynamic sealing effect
- Easy assembly into closed grooves
- Simple groove design
- Economical sealing solution

## **APPLICATION**

Fork-lift trucks, injection moulding machines, agricultural machinery and standard cylinders.

MATERIAL		CODE	
NBR	70 SHORE A	NB7001	
PU	92 SHORE A	PU9201	

OPERATING CONDITIONS				
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC	
TEMPERATURE	-30°C +100°C	+5°C +50°C	-20°C +50°C	
PRESSURE	≤400 Bar	≤400 Bar	≤400 Bar	
SPEED	≤0.5 m/sn	≤0.5 m/sn	≤0.5 m/sn	

Note: The above data are maximum values and cannot be used at the same time.

SURFACE ROUGI	HNESS	Ra	Rmax
Sliding Surface	Ød	≤0.4 μm	≤3.2 µm
<b>Groove Base</b>	ØD	≤1.6 µm	≤10 µm
<b>Groove Flanks</b>	В	≤3.2 µm	≤16 µm

Note: It is recommended to have 50% to 90% of the working surface material contact area value.

## **INSTALLATION**

Easily assembled into closed grooves according to the minimum diameter values that are given in the below table. Open grooves or special assembly tools should be used for the values that are outside this table. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the wiper must be oiled with system oil.

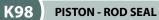
MINUMUM DIAI	METER	VALUE	S FOR	CLOSE	DTYPE	OF GRO	OVES
(D-d)/2 (mm)	4	5	6	7.7	10	12.5	15
dmin (mm)	25	30	40	50	80	100	105

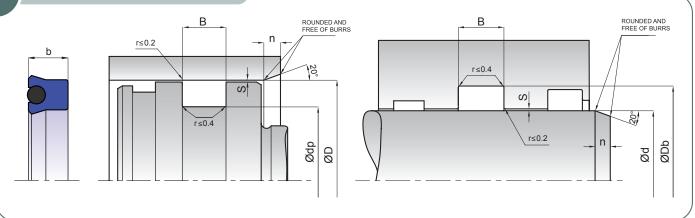
## **NOTES**

The permissible sealing gap values of K98 piston -rod seal is given in the below table.

PERMISSIBLE SEALING GAP					
	Smax		Smax (mm)		
t=(D-d)/2	150 Bar	250 Bar	400 Bar		
t≤5 t≤5	0.30 0.35	0.20 0.25	0.15 0.20		

Note: The largest sealing gap value occurring on the non-pressurized side of the seal does have a vital importance for the function of the seal and in this respect it is quite important to use the S value lower than the above indicated numbers.





KASTAŞ NO	d(f7) / dp(h11)	Db (H11)/d(H11)	b	B(-0/+0.2)
K98-019	19.05	25.4	6.35	7.35
K98-022	22.23	28.58	3.18	3.68
K98-025	25.4	31.75	6.35	7.35
K98-025/1	25.4	34.93	4.76	5.26
K98-025/2	25.4	34.93	7.94	8.94
K98-025/3	25.4	38.1	6.35	7.35
K98-031	31.75	38.1	6.35	7.35
K98-031/1	31.75	41.28	7.94	8.94
K98-038	38.1	47.63	7.94	8.94
K98-038/1	38.1	47.63	9.53	10.53
K98-038/2	38.1	50.8	9.53	10.53
K98-044	44.45	53.98	9.53	10.53
K98-047	47.62	63.5	11.5	12.5
K98-050	50.8	60.33	9.53	10.53
K98-050/1	50.8	63.5	9.53	10.53
K98-057	57.15	69.85	6.35	7.35
K98-063	63.5	76.2	9.53	10.53
K98-076	76.2	88.9	9.53	10.53
K98-088	88.9	101.6	9.53	10.53
K98-092	92.08	101.6	9.53	10.53

 ${\it Please contact our customer service for the dimensions out of our stock list.}$