



K03 is a three piece single acting sealing set which consists of one reinforced cotton fabric backup ring, one elastomeric nitrile rubber middle ring, and one thermoplastic header ring.

PRODUCT ADVANTAGES

- Functions well even with poor surfaces
- Easy installation
- Adjustable seal housing height due to the reason of being used in open grooves.

APPLICATION

Used especially in hard working conditions such as iron and steel industry, mining equipment, marine hydraulics, scrap cutters and special cylinders where the actual conditions are difficult to predict.

MATERIAL	CODE
COTTON FABRIC NBR	NB8008
POM	PM9903

OPERATING CONDITIONS			
MEDIA	Mineral oil (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +105°C	+5°C +60°C	-30°C +60°C
PRESSURE	≤400 Bar	≤400 Bar	≤400 Bar
SPEED	≤0.5 m/sec	≤0.5 m/sec	≤0.5 m/sec

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

SURFACE ROUGHNESS		Ra	Rmax
Sliding Surface	Ød	≤0.3 µm	≤2.5 µm
Groove Base	ØD	≤1.6 µm	≤6.3 µm
Groove Flanks	B	≤3.2 µm	≤16 µm

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

INSTALLATION

Suitable for open piston housing. When strongly squeezed, the flexibility of the sealing set may be substantially reduced. This could cause by excessive friction force, high wear and vibrated operating under low pressures. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation all individual parts of the seal must be oiled with system oil.

NOTES

For special applications that require high temperatures, our seal set can be manufactured with reinforced cotton fabric with FKM and special mixture of PTFE backup ring. Additional middle rings can be used depending on the application.