



K36 is a single acting piston - rod seal which consists of reinforced cotton fabric and nitrile rubber vulcanized together forming an integral sealing element.

PRODUCT ADVANTAGES

- Functions even with poor surfaces
- Reinforced cotton fabric base prevents the seal from extrusion
- Both rod and piston application
- Good sealing at low pressures

APPLICATION

Low to medium duty hydraulic cylinders, mobile hydraulics and presses.

MATERIAL	CODE	
NBR	80 SHORE A	NB8001
COTTON FABRIC NBR		NB8008

OPERATING CONDITIONS

MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +105°C	+5°C +60°C	-30°C +60°C
PRESSURE	≤250 Bar	≤250 Bar	≤250 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-Ød	≤0.4 µm	≤3.2 µm
Groove Base	Ødp-ØDb	≤1.8 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

K36 is to be assembled into open grooves. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the sealing element must be oiled with system oil.

NOTES

The permissible sealing gap values of K36 piston - rod seal is given in the below table.

PERMISSIBLE SEALING GAP

Pressure (Bar)	S (mm)
150	0.2
250	0.1

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.