



K43 is a three piece single acting sealing set which consists of one reinforced cotton fabric and nitrile rubber vulcanized together, one L shaped thermoplastic guide back-up ring and a retaining ring.

PRODUCT ADVANTAGES

- Functions even with poor surfaces
- Limited space thanks to the open housing in one-piece piston
- Reinforced cotton fabric base prevents the seal from extrusion
- Good sealing at low pressures

APPLICATION

Mining equipment, after market, mobile hydraulics, presses and standard cylinders.

MATERIAL		CODE
NBR	80 SHORE A	NB8001
COTTON FABRIC NBR		NB8008
POM		PM9901

OPERATING CONDITIONS			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C	+5°C	-30°C
	+105°C	+60°C	+60°C
PRESSURE	≤500 Bar	≤500 Bar	≤500 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	≤0.4 µm	≤3.2 µm
Groove Base	Ød	≤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

Easily assembled into one-piece piston by hand. Open groove design gives an advantage for easy machining and reducing the machining costs. It is very important that the installation 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.