



K27 is a single acting double wiper ensuring that foreign particles do not penetrate into the hydraulic cylinders. The lip is designed in a particular way that it reliably wipes off the dirt but leaves a residual oil film on the rod.

PRODUCT ADVANTAGES

- Good wiping effect
- Wide range of dimensions
- No twisting in the housing
- Wiper lip reliably wipes away dirt and leaves a residual oil film on the retracting rod.
- Double lip makes additional protection to prevent the particles to enter into the cylinder
- Easy installation

APPLICATION

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

MATERIAL		CODE
NBR	90 SHORE A	NB9001
PU	92 SHORE A	PU9201

OPERATING CONDITIONS

NBR

MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +105°C	+5°C +60°C	-30°C +60°C
SPEED	≤1.0 m/sec	≤1.0 m/sec	≤1.0 m/sec

PU

MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +100°C	+5°C +50°C	-30°C +40°C
SPEED	≤1.0 m/sec	≤1.0 m/sec	≤1.0 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	≤1.6 µm	≤10 µm
Groove Flanks	S1	≤3 µm	≤16 µm

INSTALLATION

Generally, wiper can be easily fitted into the closed housing by deforming into a kidney shape. 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.

NOTES

K27 double wiper should be used in combination of suitable rod seals to avoid hydrodynamic pressure or pressure relieving bore between seal and wiper should be constructed to prevent the build up pressures (See section; Hydraulic Sealing Elements - Sample Designs). K27 wipers can be produced on request in FKM for special applications that require high temperatures.