



K12 is a single acting double wiper ensuring that foreign particles do not penetrate into the hydraulic systems by their lip design, avoiding wear and damage to all the internal components including seals.

PRODUCT ADVANTAGES

- Superior wiping performance
- Axially open, easy-construction groove
- Used in heavy conditions by the good mechanical properties of Polyurethane.
- Wiper lip reliably wipes away dirt and leaves a residual oil film on the retracting rod.
- Space-saving design
- Double lip makes additional protection to prevent the particles to enter into the cylinder

APPLICATION

Construction machinery, fork-lift trucks, agricultural machinery, support cylinders and standard cylinders.

MATERIAL		CODE
PU	95 SHORE A	PU9501
STEEL	ST37	FE9901

OPERATING CONDITIONS			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C	+5°C	-30°C
	+100°C	+50°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	≤3.2 µm	≤16 µm

INSTALLATION

Wiper is pressed into axially open housings. Special equipment should be used during this process. 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.