



K706 is a two piece acting wiper which consists of one special designed thermoplastic ring and an o-ring as energizing element. K706 ensures that foreign particles do not penetrate into the hydraulic systems, avoiding wear and damage to all internal components including seals.

#### PRODUCT ADVANTAGES

- Long service life
- High sliding speed
- Resistance to chemicals and temperature changes depending on chosen o-ring material
- Low friction coefficients
- Free of stick-slip

#### APPLICATION

Industrial equipment, mobile hydraulics.

MATERIAL		CODE
NBR	70 SHORE A	NB7001
PTFE		PT6003

OPERATING CONDITIONS			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C	+5°C	-20°C
	+105°C	+60°C	+50°C
SPEED	≤5.0 m/sn	≤5.0 m/sn	≤5.0 m/sn

*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	≤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

Easy installation into closed grooves, we recommend using special assembly tool (see section; Hydraulic Sealing Elements General Installation Information). It is very important that the assembly tools must be of soft material and have no sharp edges.

#### NOTES

K706 wiper should be used in combination of suitable rod seals (able to evacuate back pressure, ex. K35) to avoid hydrodynamic pressure or pressure relieving bore between seal and wiper should be constructed to prevent build up pressures. (See section; Hydraulic Sealing Elements - Sample Designs) Energizer ring of K706 wiper can be produced on request in FKM for special applications that require high temperatures.

