



K 78 is a piston - rod guide ring designed to be used in heavy duty hydraulic and pneumatic systems.

PRODUCT ADVANTAGES

- Able to work at high temperatures
- High dimension stability during the operating temperatures
- Easy assembly
- Wide range of dimensions
- Safely usage in heavy and medium duty applications

APPLICATION

Iron and steel industry, mobile hydraulics and heavy duty cylinders.

MATERIAL	CODE
PHENOLIC ARAMID	PH6504

OPERATING CONDITIONS			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-40°C +200°C	+5°C +60°C	-20°C +50°C
STATIC CONTACT PRESSURE	≤344 N/mm ²	≤344 N/mm ²	≤344 N/mm ²
DYNAMIC CONTACT PRESSURE	≤120 N/mm ²	≤120 N/mm ²	≤120 N/mm ²
SPEED	≤5 m/sn	≤5 m/sn	≤5 m/sn

SURFACE ROUGHNESS		Ra	Rmax
Sliding Surface	Ød	≤0.4 µm	≤3.2 µm
Groove Base	ØD	≤1.6 µm	≤10 µm
Groove Flanks	B	≤3.2 µm	≤16 µm

INSTALLATION

Easily assembled into the housing by hand. 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

To avoid hydrodynamic pressure k interval is given. No force should be applied against the curvature of product upon assembly.