



K73 is a piston - rod guide ring designed to be used in heavy duty hydraulic and pneumatic systems.

#### PRODUCT ADVANTAGES

- High load bearing capacity
- Minimum static and dynamic friction coefficient for a minimum energy loss and operating temperature
- Able to be used behind the sealing element on dry condition
- High dimension stability during the operating temperatures
- Easy assembly
- Wide range of dimensions

#### APPLICATION

Mobile hydraulics, excavators, mining equipment, marine hydraulics, presses and heavy duty cylinders.

MATERIAL	CODE
POLYESTER RESIN	PR6501

OPERATING CONDITIONS			
<b>MEDIA</b>	Mineral oils (DIN 51524)	HFA and HFB	HFC
<b>TEMPERATURE</b>	-40°C +120°C	+5°C +60°C	-40°C +40°C
<b>DYNAMIC CONTACT</b>			
<b>PRESSURE</b>	≤100 N/mm <sup>2</sup>	≤100 N/mm <sup>2</sup>	≤100 N/mm <sup>2</sup>
<b>SPEED</b>	≤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 contact pressure value is given for dynamic application and it is 330 N/mm<sup>2</sup> for static applications .*

SURFACE ROUGHNESS		Ra	Rmax
<b>Sliding Surface</b>	∅D-∅d	≤0.4 μm	≤3.2 μm
<b>Groove Base</b>	∅Db-∅dp	≤1.6 μm	≤10 μm
<b>Groove Flanks</b>	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 guide ring must be oiled with system oil.

#### NOTES

To avoid hydrodynamic pressure, k interval is given.