

K69 POM

K69 PISTON GUIDE RING



K69 is a guide ring designed to be used for piston applications.

PRODUCT ADVANTAGES

- Easy, snap-in fitting
- Medium load-bearing capacity
- Prevents hydrodynamic pressure due to the K interval
- Very good dimension stability during operating temperatures
- Chamfered edges prevent pressing into the corner radii of the groove
- Wide range of dimensions
- Economical guiding solution

APPLICATION

Construction machinery, cranes, injection moulding machines, agricultural machinery, light to medium duty cylinders.

MATERIAL	CODE
POM special filled	PM9902

OPERATING CONDITIONS			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +125°C	+5°C +50°C	-30°C +40°C
CONTACT PRESSURE	≤40 N/mm ²	≤40 N/mm ²	≤40 N/mm ²
SPEED	≤1.0 m/sec	≤1.0 m/sec	≤1.0 m/sec

SURFACE ROUGHNESS		Ra	Rmax
Sliding Surface	ØD	≤0.4 µm	≤3.2 µm
Groove Base	Ød	≤2.5 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

When designing the cylinder K69 guide ring should be placed where it has direct contact with the media. K69 is not suitable for dry working conditions. Surface contact pressure value might drop due to the temperature increase.