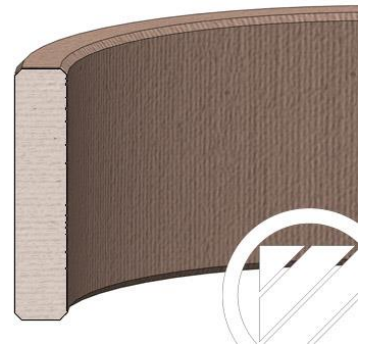


FRK 05



DESCRIPTION

Product group: Guide elements
Design: Piston guide ring
Profile no.: 05
Model: 45
Material: HG 00 0301

OPERATIONAL APPLICATION LIMITS

Max. surface pressure (N/mm²): ≤ 350
 Temperature (°C): -50 to +130
 Running speed (m/s): ≤ 1

MEDIA

- Hydraulic oils acc. to DIN 51524 Part 1 – 3
- Lubricating oils
- Mineral oil based lubricating greases
- Highly non-flammable hydraulic fluids HFA, HFB, HFC acc. to VDMA 24317

FUNCTION

FRK 05 guide elements made of hard fabric materials serve to guide pistons. They prevent metallic contact of the machine parts and absorb the transverse force that occurs. Hard fabric material guide rings are primarily used in mobile hydraulics and heavy hydraulics, as they are very well-suited for higher surface pressures. An increased sliding ability which results in an improvement of the stick-slip effect is achieved by inclusion of PTFE in the compound. Guide rings are easier to install than guide strips and are, therefore, recommended by us.

INSTALLATION

Turned hard fabric guide rings are slit and can be installed in closed installation grooves. There are three different cutting types: 45°, 90°, ST.

45° = for better press force distribution and to facilitate installation
 90° = simple cut
 ST = for swivel movements

The turned chamfers support the installation of the complete piston.

REMARKS

Im Standard werden gedrehte Führungsringe mit einem 45°-Schrägschnitt und in einem Compound aus phenolharzgetränktem Kunstharzgewebe mit PTFE-Einlagerung geliefert. Führungsringe aus Hartgewebe sind beidseitig gefast, so dass sie sowohl im Kolben- als auch Kolbenstangenbereich eingesetzt werden können.

