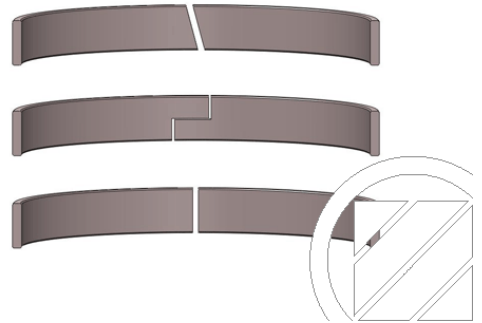


FRS 05



DESCRIPTION

Product group: Guide elements
Design: Piston guide strip
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

FRS 05 guide rings made of hard fabric materials serve to guide rods. 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.

REMARKS

Standard guide rings are supplied with a 45° diagonal cut and in a compound of phenolic resin impregnated synthetic fibre fabric with PTFE inclusion.

Should you require different materials or cutting types, please include these in your order. Guide rings made of hard fabric are chamfered on both sides which means they can be used in both piston and rod areas. For special applications, a combination of guide elements made of hard fabric and PTFE is recommended. The PTFE guide ring must always be installed at a distance from the seal. The PTFE guide ring increases the sliding ability and gathers dirt, while the HGW guide ring absorbs the transverse force that occurs.

