



FR05

Description

Product group: Guide elements
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

FR 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.

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.
Guide rings made of hard fabric are chamfered on both sides so that they can be used in both piston and rod areas.