Hydraulic Rod Seal Friction Force Test Bench

IMA-TechSheet #101110 V2

Description:
- Test bench for the investigation of hydraulic rod seals
- Measurement of the friction force during retraction and extension
- Test conditions can be freely configured (speed, pressure, stroke)

Technical Data:
- Movement speed: 0 ... 1000 mm/s
- Operating pressure: 0 ... 250 bar
- Rod diameter: Ø 50 mm
- Stroke: 0 ... 200 mm
- Rod surface: as required

Available Test Methods:
- Friction force, leakage and wear measurements as function of
  - Fluid
  - Operating pressure
  - Geometry and material of the rod seal
  - Counter surface
  - Movement speed (Asynchronous velocity ratios)

Measurement example