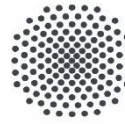
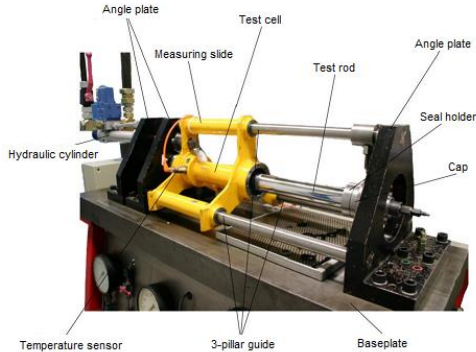


Hydraulic Rod Seal Friction Force Test Bench

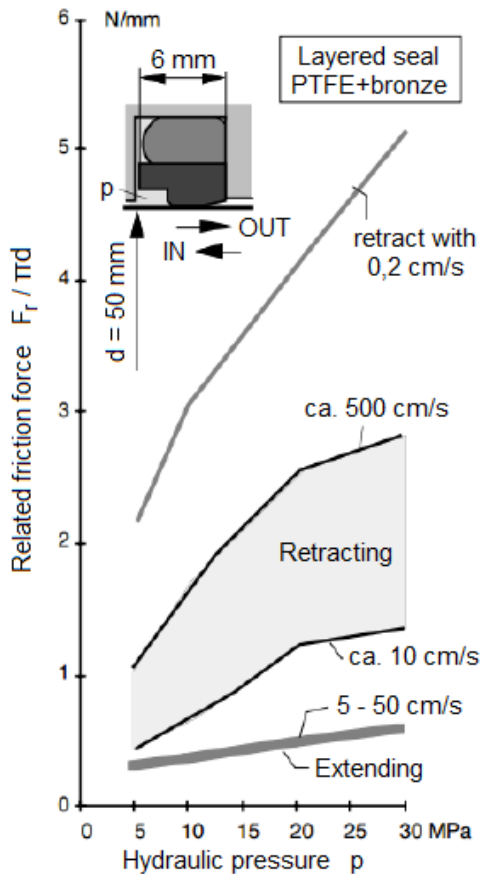
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University of Stuttgart
Institute of Machine Components



Friction force test bench



Measurement example

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:	∅ 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)