



Product : Magnetorheological fluid syringe

Product Code: MagneLock

Category : Demo for MR fluid/ MR Damper

(\*Intended only for demonstration/Educational purpose)

## Discover the marvel of Smart fluid

- This demo tool is a classic device to understand the principle of smart fluid called magnetorheological fluid.
- Magnetorheological fluid is a free flowing liquid which when activated with magnetic/Electromagnetic field switches to metallic state.
- Imagine something switching from liquid to metal and metal to liquid almost instantaneously with a flick of a switch(Magnet). That's Why the name "SMART FLUID"
- This technology is the core of Magnetic shocks, Which is popular in Ferrari, Audi, Lamborghini, Ford, GMC and other popular sports & Luxury cars. Most advanced suspension technology touted in the automotive industry

Package Content :

Assembled with 2 Luer lock syringes with luer metal adaptor , Neodymium permanent magnet, Magnetorheological fluid, TDS

### User Instructions :

MR fluid in Passive mode (Without Magnet)



Push the syringe plunger from one end to the other and the MR fluid in liquid state will move easily from one syringe to another.

MR fluid in Active mode (With Magnet)



Place the magnet at the centre and now pushing the plunger from one end to the other becomes almost difficult as the MR fluid switches to Metallic state and would not move.