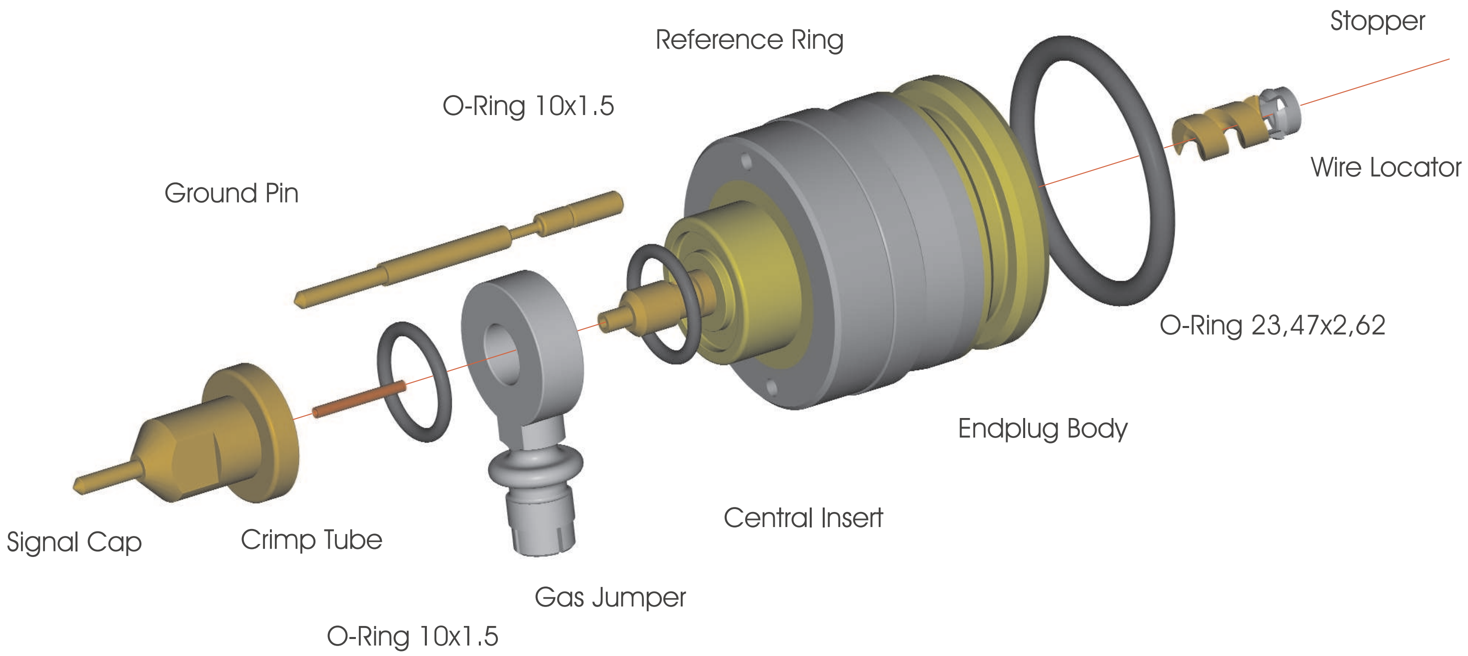
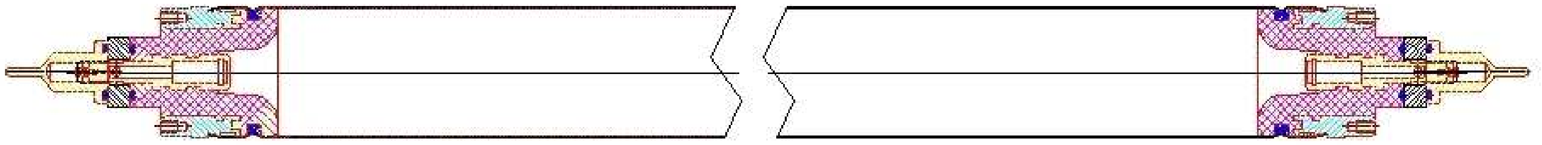
Drift Tube Design





- **Precision aluminum tubes:**
  29970 ± 15 μm outer diameter, 400 ± 30 μm wall thickness.
- **Precise mechanical wire positioning with respect to precisely machined external reference surfaces.**
- **Injection moulded plastic insulator**
  (Noryl: little shrinkage, minimise stresses).
- **Wire fixation by crimping in metal insert.**
- **O-ring gas seals.**
- **Ground contact to aluminum tubes by laser spot welding.**
- **All materials tested with respect to aging.**