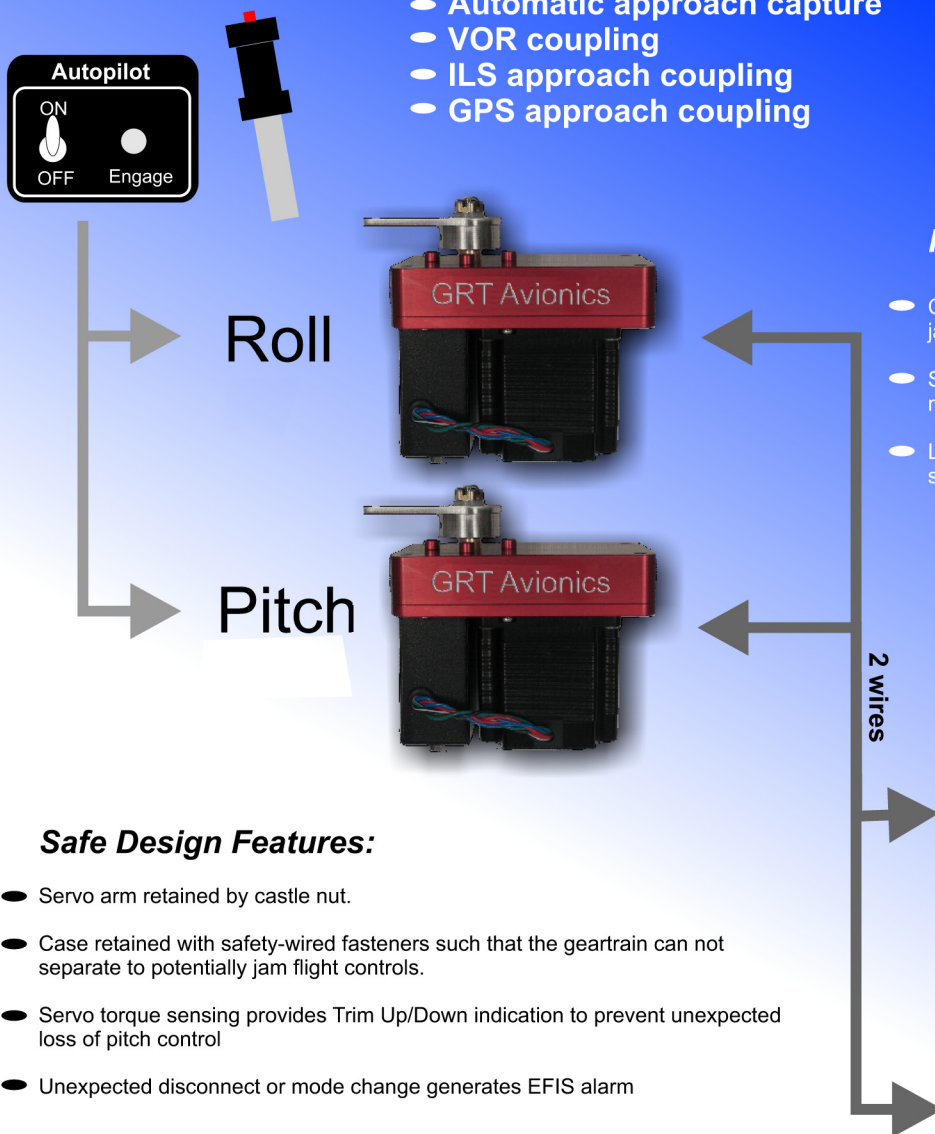


GRT Avionics Autopilot Servos

Add Full-Featured Autopilot Capability to any GRT EFIS

Servos support all autopilot features provided by the EFIS, including:

- Heading select
- Climb/Descent to selected altitude
- Climb/Descent on IAS or vertical speed
- Synthetic approach coupling
- Automatic approach capture
- VOR coupling
- ILS approach coupling
- GPS approach coupling



Fail-Safe Servo Design

- Clutchless - Minimizes possibility of inadvertent servo jam
- Shearable Output Arm - disconnects servo mechanically in the rare case of an internal servo jam
- Limited Authority - Pilot may override the servo by simply moving the control stick

Safe Design Features:

- Servo arm retained by castle nut.
- Case retained with safety-wired fasteners such that the geartrain can not separate to potentially jam flight controls.
- Servo torque sensing provides Trim Up/Down indication to prevent unexpected loss of pitch control
- Unexpected disconnect or mode change generates EFIS alarm

 **GRT Avionics**

