

S-TEC YAW DAMPER

LOW-COST, LIGHTWEIGHT, ACCELEROMETER SENSOR TECHNOLOGY FOR OPTIMUM PERFORMANCE

The innovative design of the Yaw Damper replaces the commonly-used rate gyro with a highly accurate accelerometer, which virtually eliminates moving parts, except for the servo actuator. The accelerometer moves only 0.020" for each G of acceleration.

This revolutionary system substantially improves autopilot performance, as it senses both skid-and-slip in a single sensor, rather than the two sensors required in other systems.

And unlike other yaw dampers, the system offers a trim potentiometer that allows centering of the skid-and-slip ball.

Exclusive with the Yaw Damper are two modes of operation. With its unique 3-position switch in "AUTO" the Yaw Damper automatically activates when the autopilot is engaged. In the "ON" position, it operates independently, whether or not the autopilot is engaged. And it can be turned off by putting the switch in the "OFF" position.

The Yaw Damper is approximately half the size and weight of other systems, and approximately half the price, yet provides unequalled precision and performance. The compact size of this fully TSO'd system reduces weight, space and power requirements for efficient installation and performance.

FEATURES

The following are some key features of the S-TEC Yaw Damper:

- Panel-mounted on/off switch; horizontal or vertical configuration
- Rudder trim control
- Remote-mounted sensor/computer/servo amplifier
- Single accelerometer sensor
- Automatic on/off mode integrated with a roll and/or pitch autopilot

WEIGHT

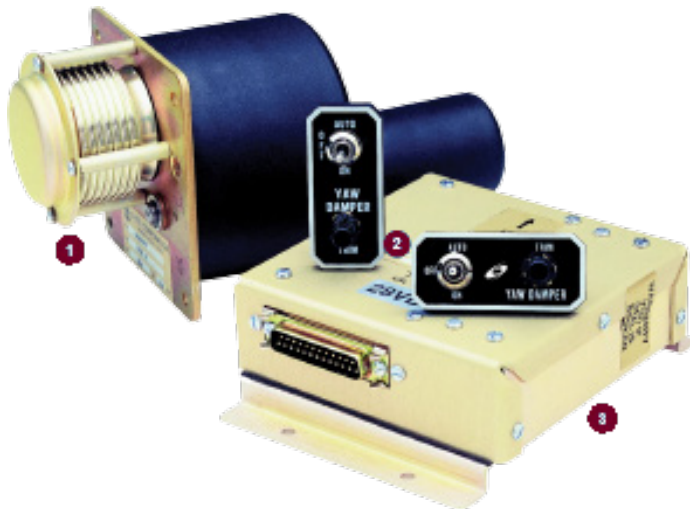
- Weight: 3.8 lbs.

POWER

- 14 or 28 VDC; 1.0 amps average, 3.0 amps maximum

TSO'S

- Approved to TSO C9c



- 1 Proven Genesys Aerosystems servo actuator.
- 2 3-position switch. Available in horizontal or vertical configuration. Trim potentiometer enables manual adjustment and centering of the skid-and-skip ball.
- 3 Remote-mounted sensor/computer/servo amplifier. Solid state design with virtually no moving parts. Accelerometer moves only 0.020" for each G of acceleration.



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