

Advent eABS

BREAKTHROUGH GPS / DIGITAL ANTI-SKID

“This system has exceeded our performance expectations, while experiencing no flat-spotting, skidding or tire failure during aggressive ABS ground and flight testing.”

Cary Winter

*Senior Vice-President Engineering
Eclipse Aerospace.*

Introducing the affordable, lightweight, easy-to-install anti-skid braking system for lighter turbine aircraft.

The system offers anti-skid braking without the need for power-boosted brakes, bulky and heavy hydraulic accumulators, and does not require modification to the existing landing gear or master cylinders.

Standard on the Eclipse 550, and available for the Eclipse 500, Advent Aircraft Systems' eABS provides you with reliable, effective anti-skid braking in a lightweight, low-cost, easily-installed system designed especially for turbine powered aircraft up to 19,000 lb. MTOW.



ABS Simplicity

The patented Advent eABS systems consist of left and right brake control modules, left and right wheel-speed transducers, a digital electronic control unit and a combination ON/OFF switch and ABS-fail annunciator.

System Performance - Better directional control and reduced stopping distance on runways contaminated with debris, water, ice and snow.

Tire Protection - Eliminates flat-spotted and blown tires during aggressive stopping on dry or contaminated runways.

Tactile Feedback - During anti-skid operation, the brake pedal pushes back, annunciating its operation. This feature will aid the pilot in knowing the braking limits of the airplane.

Low-Speed Cut-out - The system will not operate, in anti-skid mode, when aircraft speed is below 10 knots.

Touchdown Protection - Wheel speed must spin up to at least 85% of aircraft speed before brakes will operate.

Convenience - The non-invasive, easy-to-install system requires minimal downtime, either as a standalone installation or during scheduled maintenance.

Customer Service and Warranty - An extended warranty covers the installation and parts.