



**Q:** Which Hutchinson products should I consider for isolating Aircraft Electronics?

**A:** Hutchinson offers a wide selection of standard isolators that can be used for electronics in aircraft. The products most commonly applied include:

[Cupmount Series](#)



[T-Mount Series](#)



[Low Profile Series](#)



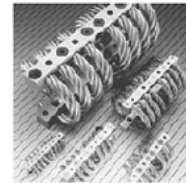
[TTA Series](#)



[L-Mount \(& S-, H-, B-\) Series](#)



[Cablemount Series](#)



All of the isolators listed above have a successful history of being used for protecting electronics on military and commercial aircraft, fixed and rotary wing, providing isolation from vehicle vibration and shock.

Common features in these product series that make them particularly suitable for aircraft applications include:

- *Many parts have high strength aluminum construction to minimize weight.*
- *Progressive stiffening characteristics.*
  - *Low stiffness under small deflections for effective isolation performance.*
  - *Increasing stiffness, snubbing, and/or positive stops at higher deflections to control electronics motion.*
- *Captive design configurations provide failsafe retention of electronics.*
- *Various axial-to-radial stiffness ratios available to meet specific isolation requirements.*

- *Natural frequencies are tailored in the 6-35 Hz range to suit the requirements of fixed and rotary wing and highly maneuverable and less maneuverable aircraft.*
- *Some parts have high deflection capability for improved shock attenuation.*
- *Broad range of static load carrying capacity with rated loads from under 1 lb up to 1500 lbs per isolator.*
- *Silicone elastomer options available for high damping and/or to provide the most stable performance over the temperature ranges typical of aircraft applications.*
- *Can be integrated with lightweight, quick release trays and racking systems.*

In addition to our standard products, Hutchinson can customize or develop a solution to meet the demanding requirements of your application. Engineering, design, and development of vibration isolation systems and rubber-to-metal isolators is our strength and we have a proven track record of delivering solutions to the most challenging problems.

Examples of Custom Designed Aircraft Isolators from Hutchinson



Types of Equipment Using Hutchinson Electronics Isolators for Aircraft

**On-board Equipment:**

Communications systems  
Guidance systems  
Radar  
Displays  
Flight controllers  
Lasers  
Countermeasures  
Optics  
Inertial Measurement Units (IMU)  
LANTIRN  
Entertainment systems

**Platforms:**

Fighters  
Bombers  
Cargo Aircraft  
Reconnaissance Aircraft  
Attack Aircraft  
Unmanned Aerial Vehicles  
Trainers  
Commercial Aircraft  
Transport Helicopters  
Heavy Lift Helicopters  
Light Observation Helicopters  
Multi-Role Utility Helicopters