



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

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

[Cupmount Series](#)



[T-Mount Series](#)



[2K Series](#)



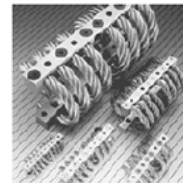
[VHC Series](#)



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



[Cablemount Series](#)



All of the isolators listed above have a successful history of being used for protecting electronic equipment on ships, both military and commercial, on the surface and underwater, providing isolation from vehicle shock and vibration.

Common features in these product series that make them particularly suitable for shipboard electronics 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 specific requirements and various deck frequencies.*
- *Some parts have high deflection capability for improved shock attenuation, including designs for MIL-S-901d applications.*
- *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 broad temperature ranges.*
- *Can be integrated with quick release trays and rail 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 Shipboard Isolators from Hutchinson



Types of Equipment Using Hutchinson Electronics Isolators for Ships

On-board Equipment:

Communications systems
Guidance systems
Radar
Displays
Sonar systems
Lasers
Countermeasures
Optics
Inertial Measurement Units (IMU)
Fire control systems
Anti-submarine warfare systems

Platforms:

Sport Yachts
Runabouts
Ferries
Work Boats
Attack Submarines
Missile Submarines
Destroyers
Aircraft Carriers
Cruisers
Mine Sweepers
Underway Replenishment Vessels
Littoral Combat Ships