

VHC MOUNT SERIES

High deflection shock and vibration isolators for medium-weight sensitive equipment.

APPLICATIONS

- Ground vehicle electronics
- Shipboard equipment
- Shipping containers
- Equipment installed in transportable shelters

FEATURES

- Buckling design
- Steel construction
- Compression to shear stiffness ratio 2:1
- Designed to carry static loads in the axial direction, but can accommodate dynamic inputs in the radial direction
- Attenuates 18" freefall shock input to approximately 12g's

BENEFITS

- Large deflection capacity provides superior shock attenuation
- Can be used as stabilizers for tall equipment packages
- Maximum loads apply when mount will be subjected to an 18" freefall larger loads can be accommodated for less severe shock inputs

LOAD RANGE

- 4 load ratings to 145 lbs. per mount



Barry VHC-Series mounts are special purpose, mid-frequency isolators designed to protect sensitive equipment when high level shock and vibration inputs are expected. Typical applications include electronic equipment installed in mobile equipment subjected to off-road environments.

Specifications

• Natural Frequency	12-20 Hertz
• Transmissibility at resonance	5.0 Max. (Barry LT Compound) 10.0 Max. (Neoprene)
• Resilient Element	Barry LT Compound or Neoprene
• Standard Materials	Steel (Restraining Strap Beryllium Copper)
• Weight	4 lbs.

Environmental Data

- Barry LT (low-temperature) Compound, which is ideal for military applications, operates between -67°F and $+180^{\circ}\text{F}$ (-55°C to $+82^{\circ}\text{C}$) and is resistant to fungus and ozone.
- Neoprene has an operating temperature range of -20°F to $+180^{\circ}\text{F}$ (-30°C to $+82^{\circ}\text{C}$) and resists oil and ozone.