

# VHC MOUNT SERIES

## 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

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



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.

## Applications

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

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 (Grounding Strap Beryllium Copper)
WEIGHT	4 lbs.

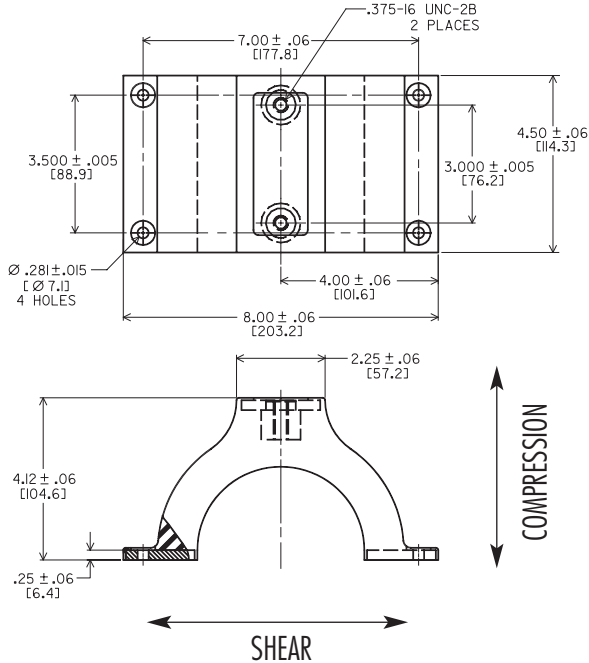
## Environmental Data

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

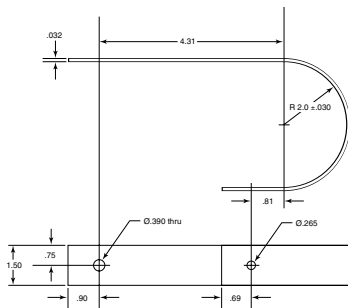
# VHC Mount Series

## Dimensions & Performance Characteristics

**VHC SERIES**  
Dimensional Drawing



**OPTIONAL RESTRAINING STRAP**  
Dimensional Drawing - Part #8810090-01804



\*Please note, mounts are not inherently fail-safe.  
They may require the use of a suitable restraining device.

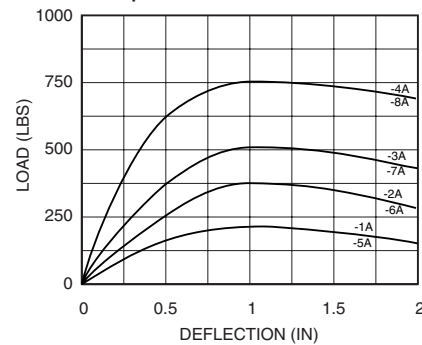


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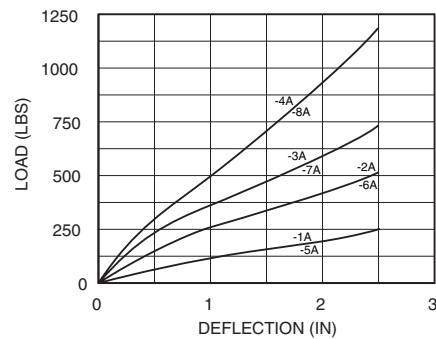
**LOAD RATINGS**

Part #		Max. Axial Load Rating (lbs.)
Neoprene	Barry LT	
VHC-1A	VHC-5A	45
VHC-2A	VHC-6A	70
VHC-3A	VHC-7A	100
VHC-4A	VHC-8A	145

**Compression Load vs. Deflection**



**Shear Load vs. Deflection**



**Natural Frequency vs. Load**

