



Q: Which Hutchinson products should I consider for cab mounts for On-Highway vehicles?

A: Hutchinson offers a wide selection of standard isolators that can be used as cab mounts or body mounts for On-highway vehicles (Trucks, Tractors, Buses, Motorcoaches, Ambulances, Utility vehicles, etc.). The products most commonly applied include:

[44000 Series](#)



[22000 Series](#)



[Industrial Conical Mount Series](#)



[500 Series](#)



[500SL Series](#)



[Barry-Bond Series](#)



All of the isolators listed above have a successful history of being used in cab mounting applications, providing isolation of structureborne vibration coming from the chassis while also controlling cab motion in response to chassis ride inputs and roadway variation.

Properly applied cab isolators can improve the vehicle NVH attributes experienced by the operator through:

- *Reduced interior noise levels and structureborne noise.*
- *Reduced tactile vibration in the steering wheel, floor, and seat.*
- *Reduced mirror shake and panel vibration.*
- *Softened response to transient impacts and jolts associated with suspension jounce and road irregularities.*

Features of these product series that make them particularly suitable as cab isolators include:

- *Robust designs with rubber loaded in compression for good load handling.*
 - *Pre-compressed elastomer in the 44000, 22000, and Barry-Bond series for enhanced durability and service life.*
- *Progressive stiffening characteristics.*
 - *Low stiffness under small deflections for good vibration isolation performance.*
 - *Increasing stiffness, snubbing, and/or positive stops at higher deflections to control cab motion.*
 - *Helps maintain Cab-to-Chassis clearances.*
- *Captive design configurations provide failsafe retention of the cab.*
- *High axial-to-radial stiffness ratios found in the 44000 series, can be employed for improved vibration isolation and NVH performance in some installations.*
- *Broad range of static load carrying capacity with rated loads from 25lbs up to 4560 lbs per isolator.*
- *Natural Rubber and Neoprene material options available as standard.*
 - *Both materials are general purpose, cost effective elastomers suitable for most ground vehicle cab mount applications.*
 - *Specialty materials available if required by the application.*

For On-Highway trucks and tractors, high customer expectations in terms of cab isolator performance, durability, assembly, and cost effectiveness often dictate that a custom design be developed to meet all the requirements of the cab mounting system. As a result, many of the cab mounts Hutchinson produces are OEM unique designs, engineered specifically for the customer's vehicle. Hutchinson has a proven track record of engineering, designing, and developing cab mounting systems and rubber-to-metal isolators for the demanding requirements of On-Highway vehicles.

Examples of Custom Designed Cab Mounts from Hutchinson for On-Highway Trucks

