Commercial vehicle elastomer technology, accelerated℠
For more than 60 years, Clevite® brand Elastomers have been a leading industry resource for vibration control design, engineering and manufacturing. From light passenger cars and trucks to rail, heavy truck, off-road, agricultural, construction or specialty vehicles, OEMs around the world select Clevite Elastomer products for their outstanding quality, durability and reliability.

One of the Clevite brand’s keys to success is the way its Noise, Vibration and Harshness (NVH) development experts have worked directly with chassis and powertrain engineers to provide elastomer products that are customized for the systems in which they function.

Whether it is isolators, mounts, bushings, torque rods or stabilizer bars, by tuning the characteristics in tandem with system requirements, distinct advantages in performance and packaging are obtained.

The engineering prototype laboratories for Clevite elastomers are outfitted with the latest in modeling, materials and assembly equipment. The state-of-the-art tools and advanced CAE/CAM, coupled with unparalleled experience in the area of vibration control, enable Tenneco to provide the highest design confidence and the shortest development cycle.

In addition, regular collaboration among Tenneco’s engineers ensures that the experience gained from each application – whether it is a small isolator for a subcompact car or a giant torque arm for off-road construction equipment – can be applied to solve each new challenge.
CLEVITE® ELASTOMERS

Heavy Duty Suspension Links

Clevite® brand heavy truck suspension components have been sold for more than 60 years, producing a full range of products to cover virtually all applications, including commercial truck, agriculture, construction, bus and other specialty applications.

Tenneco currently sells its Clevite Elastomer products to most heavy duty OEMs including Daimler and Volvo.

Lightweight Rod

- Offers a broad range of sizes and ratings
- Lighter than conventional construction methods – up to 25% lighter depending upon applications
- Significant cost advantage over crimped design
- Tenneco patented technology

Severe Service Rod

- Heavy duty component for severe applications
- Field-replaceable bushings
- Wide range of configurations and attachment methods
- Adjustable option also available with robust clamping method

V-Rod

- Various apex joint configurations
- Forged apex housing
- Optimized for both mass and stiffness
Commercial vehicle elastomer technology, accelerated™

**Mounts**

Clevite® brand mounts help to reduce warranty issues by isolating sensitive structures from damaging vibrations. Engineered to balance travel restriction, load and NVH isolation, the mounts work together as a system to provide the best protection and most comfortable ride.

**Isolators**

By controlling and leveraging the isolator as a fully engineered part, our innovative design proves its superiority in every aspect, from engineering to assembly.

Our exhaust isolators join the best-in-class technology of Clevite® Elastomer vibration control products with the industry-renowned tuning expertise of Walker® emission control.

Customer noise, vibration and harshness engineers experience reduced program complexity because the Clevite brand has efficiently harmonized the NVH characteristics in advance.

**Auxiliary Rubber Springs**

The Clevite collection of premium motion control products combine the best choice of elastomer materials with engineered shapes to isolate vehicle occupants from unwanted noise and vibrations while providing additional load carrying capacity.

Using the CAE expertise of our elastomer engineers we are able to locate and move critical stress peaks to non-critical zones. Non-linear static and dynamic analysis allows us to reduce stress concentrations generated by loads and thermal growth.

Accomplished before prototype builds, our virtual development tools and ability to predict and adjust isolator spring stiffness drives overall process efficiency and system optimization.
**Suspension Bushings**

*A core competency for more than 60 years*

Whether it’s a bushing that becomes part of an arm, bar, link, spring or shock absorber, Clevite® brand Elastomers offers the broadest range available. From simple to complex, bushings all are designed with the highest attention to detail, achieving the required vibration control essential to your specific application.

*Bushings include:*

- **Culled Cartridge Bushing**
- **Double Bonded Bushing**
- **Single Bonded Bushing**
- **Single Bonded Trailer Pivot Bushing**

**Control Arms, Bars, and Links**

*Optimized for mass, stiffness and NVH isolation*

Full in-house assembly capabilities allow us to minimize our development time and respond more quickly to our customers’ requests. These parts are produced utilizing advanced materials, forms, construction and fastening methods and can incorporate multiple bushing technologies and end configurations.

*Assemblies include:*

- **Cab Lateral Link Assembly**
- **Exhaust Rod Assembly**
- **Radiator Rod Assembly**
At Tenneco, innovation is a hallmark of everything we do. In our advanced elastomers technologies and solutions. In our unique, total-system integration expertise and approach. In our commitment to partnership and collaboration. We’re always looking beyond the technology horizon to foresee and develop the next-generation elastomer solutions that accelerate our customers’ success and keep them moving toward the future.

From development through delivery and beyond – we help our partners drive transportation innovation, full speed ahead.

Our reach is global, but our focus is local, helping customers in each region adapt our global capabilities and technologies for local applications.

- More than 30,000 employees worldwide
- More than 90 manufacturing facilities
- 15 state-of-the-art research and development centers
- Dedicated research and development centers for elastomers engineering

Markets served:
- Heavy duty truck
- Agriculture
- Construction
- Bus
- Specialty
- Military

Please contact our elastomers teams around the world…

North America
1 International Drive
Monroe, Michigan 48161
USA
+1 734-243-8000

Europe
Tenneco Automotive Europe BVBA
I.Z. Schurhovenweld 1420
3800 Sint-Truiden
Belgium
+32-11-703328

China
Tenneco Suzhou Co., Ltd.
11 West Jinhu Road
Huqiu, Suzhou, Jiangsu,
China, 215151
+86-(0)512-66160001

Japan
Nisshki Yokohama
Building 15F
1-1-8 Sakuragi-chou,
Naka-ku
Yokohama, 231-0062
Japan
+81-45-285-5211

South America
Tenneco Automotive Brasil Ltda
Rodovia Raposa Tavares
Km 36.5
Barrio des Gracas,
CAP: 06700-970
Cota, São Paulo
Brazil
+55-11-4615-5500

www.tenneco.com

© 2016 Tenneco Inc. All rights reserved.