Ride Performance innovation, accelerated™
Where transportation goes for innovation

Tenneco’s focus on comfort, safety, customer satisfaction and innovation goes beyond light vehicle suspension systems. It extends to trucks and commercial vehicles, where Tenneco’s wealth of suspension experience helps its CVS customers deliver a smooth, comfortable ride.

Tenneco produces a broad range of axle dampers that fit light commercial vehicles as well as medium and heavy duty vehicles and are equipped with either passive or electronic technologies.

The portfolio of conventional valving systems includes blow-off technology, which is a perfect solution to achieve high damping forces and cope with large vibrations. Blow-off technology also extends the life cycle of the damper and the vehicle structure by limiting the loads at high damper velocities.

Another technology is the Position-Sensitive Twin System (PST). This is a simple and robust solution that allows differentiated damping force according to vehicle loading condition. It is appreciated in vehicles where comfort is important, but also vehicle stability, which is crucial in fully loaded conditions.

Vehicles fitted with Tenneco’s electronic damping technology benefit from improved ride motions. In any road situation, the goods are preserved, transport is done in the best safety conditions and drivers’ fatigue is reduced. In addition, the electronic damping technology enables heavy vehicles – especially when unloaded – to limit potential damage to road surfaces. Tenneco offers a range of electronic damping technologies within its Monroe Intelligent Suspension portfolio. These include continuously variable semi-active suspension (CVSAe) and Dual Mode technology. In both cases the driver can select his preference through a switch on the dashboard.

Specially developed for off-road vehicles, Kinetic technology ensures an outstanding articulation and traction on all wheels, combined with high roll stiffness when driving in corners. In this system the actuators are hydraulically interconnected.

Most of the above described electronic technologies have first been introduced in the passenger car and light commercial vehicle markets. They can however be tailored to meet the specific requirements for medium and heavy duty trucks and trailers.

Integrated Front Suspension (IFS) is a concept that Tenneco has developed to suit recent heavy duty truck market developments. IFS combines the air spring and the damper into one module.
Conventional strut and dampers
- Covers a full range of requirements for light, medium, and heavy commercial vehicle markets and the trailer market
- Bore size of 25.4 mm, 30 mm, 35 mm, or 45 mm
- Linear or blow-off valving systems

Position-Sensitive Twin System (PST)
- Position dependent damping
- Passive and robust technology ideal for light commercial vehicles

Electronic damping
- From Dual Mode damping to continuously variable

Integrated Front Suspension (IFS)
- 45 mm Air Spring and damper module for heavy trucks
At Tenneco, innovation is a hallmark of everything we do. In our advanced ride performance 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 ride control 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.

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