



RollTEK®

Side Roll Protection by IMMI

FAQs

Heavy Duty Truck

Freightliner: *Cascadia*
Peterbilt: *Models 389, 388, 386, 384, 367, 365, 579, 567*
Volvo: *VN*
Kenworth: *T680, T880*
Mack: *Granite, Titan, Pinnacle*
Western Star: *4700, 4800, 4900, 5700, 6900*
International: *ProStar, LoneStar, TranStar, WorkStar*

Medium Duty Truck

Peterbilt: *Models 348, 337*
International: *DuraStar*

Front Discharge Mixer

Oshkosh: *S-Series Front Discharge Mixer*

Custom Fire and Emergency Apparatus

Pierce: *Enforcer, Quantum, Dash, Lance, Arrow XT, Impel, Velocity*
KME: *All custom fire apparatus*
Ferrara: *Inferno, Igniter*
Spartan: *Gladiator, Metro Star*
Seagrave: *Marauder II*
E-ONE: *The Quest, Cyclone, Typhoon*
Sutphen: *All custom fire apparatus*
HME: *All custom fire apparatus*
Horton: *All ambulance models*
Rosenbauer: *Commander, AT Crew Cab, Panther*
Ziegler: *Z-cab*

RollTek OEM Availability

1. Do roll stability systems make rollover protection unnecessary?

According to industry experts, stability systems are estimated to reduce certain types of commercial vehicle rollovers by between 25 and 40 percent, depending on a variety of factors including the route, driving conditions, traffic conditions, driver distractions and vehicle maintenance. When rollovers cannot be prevented through improved driving behavior and the use of stability systems, RollTek can significantly reduce the potential for death or serious injury in a rollover.

2. How long does it take the RollTek components to deploy?

Less than a quarter of a second.

3. How does the roll sensor know when to activate the protective devices?

The roll sensor deploys RollTek's protective components based on the vehicle's angular position and the angular rate, defined as how quickly the vehicle is moving through the 90-degree roll.

4. Will RollTek deploy if I take a ramp too fast?

No, it only deploys the safety systems when a rollover crash is taking place. The "smart" sensor is programmed to constantly monitor and analyze factors such as the vehicle's side angle (or tilt) and roll rate. RollTek will ONLY deploy when the rollover is unrecoverable.

5. Will the RollTek system deploy in a frontal collision?

If the OEM requests this feature and has a frontal occupant protection system installed, RollTek may deploy depending on the severity of the frontal collision.

Deployment

1. Where is the roll sensor located?

The roll sensor can be located in various locations in the cab. In heavy truck applications it is typically mounted on the floor under the driver seat. Placards may be placed on or near the seat base to notify personnel of the sensor's presence and to prevent unintentional damage from drilling, riveting or other equipment maintenance/installation activities.

2. What fills the airbag?

A non-toxic gas mixture comprised mostly of nitrogen.

3. How does the seat pull down work?

The roll sensor triggers the seat pull down when it detects an imminent roll. The seat pull down is connected to both the inner-connect point bar (ICP bar) on the seat and to the seat belt. The pull down is powered by an inflator (similar to those used in airbags) that pretensions the seat belt and pulls the suspension seat to its lowest position.

1. Will the system deploy if a driver is not wearing a seat belt?

Yes. However, the RollTek system relies on seat belts as its core restraining device. Although an unbelted passenger may be afforded some protection by the airbags, it is important that all vehicle occupants are seated and belted while the vehicle is in motion.

2. How do I know if my RollTek system is operating properly?

If the roll sensor determines that something is not right, a fault light will be illuminated to notify the driver that a potential problem exists. When the fault light is on, a factory-trained service technician must check the system. A RollTek diagnostic tool is now available that reads all roll sensor faults and displays them in a graphical format. For more information on this diagnostic tool, call (866) 765-5835.

3. If my truck has been in a rollover will I need to replace the RollTek system?

For your own safety, RollTek components are designed for one use. Should your vehicle be involved in a rollover, the RollTek system will need to be replaced. Do not attempt to repair or restore any damaged components yourself.

4. Does RollTek meet Federal standards?

RollTek was developed to far exceed FMVSS with the guidance of Society of Automotive Engineers (SAE) standards for the design, manufacturing, operation and maintenance of commercial vehicles.

1. Which manufacturers offer RollTek-equipped trucks?

For the latest information on RollTek availability, ask your dealer or contact IMMI at (866) 765-5835.

2. How much does the RollTek system cost?

The cost of the system can vary by OEM. Please contact your dealer for more information.

3. Can RollTek be retrofitted into older trucks?

While RollTek could be retrofitted into older trucks, the cost of testing and retrofitting is typically more expensive than buying a new vehicle already equipped with RollTek.

4. What is the service life of RollTek?

The RollTek system has a 20-year service life. Contact the manufacturer of your truck for more warranty information.

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