

RollTek®

Side Roll Protection by IMMI

IMMI®, based in Westfield, Ind., is making the job safer with seat belt systems and advanced occupant protection products tailored for highway vehicles, industrial equipment and military vehicles. Utilizing an innovative crash-test laboratory, sophisticated engineering and advanced manufacturing operations, IMMI develops and supplies innovative, proven restraint systems and airbag protection for customers worldwide.

Why RollTek®?

Safety technology can save money as well as lives. In recent years, the trucking industry has made tremendous strides in the improvement of cab crashworthiness, expanding the range of truck models for which airbags can significantly reduce injuries and fatalities. When the driver wears a three-point seat belt restraint and is protected by a side airbag in these improved cabs, **even the most severe crashes can be survivable.**

According to FMCSA, more than half of occupant fatalities in large trucks involve a rollover. But how common are rollovers in heavy trucks? In commercial

motor vehicles, FMCSA says rollovers comprise 3 to 4 percent of all accidents. Factors contributing to rollovers include difficult road conditions, hazardous weather, soft pavement, shifting cargo loads and driver error.

RollTek side roll protection works to address the driver-related costs of rollovers. By helping reduce the severity of personal injuries that occur in these events, this system can dramatically influence the human toll of accidents, as well as make a significant impact on the bottom line.

IMMI®

BRINGING SAFETY TO PEOPLE™

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changes accident outcomes

"I've been investigating heavy truck accident claims for 40 years, and the outcomes are all over the board. This kind of system makes the difference between walking away without injuries to being taken away from the accident. There are a lot of gimmicks out there, but this is for real."

Steve Toth, truck claims adjuster for **Acme Claims Services**, explains his view on RollTek after investigating the claim on the 65 mph Henderson truck roll that occurred in June of 2009. The truck was equipped with RollTek, and the driver was not seriously injured.



RollTek-equipped Henderson truck overturned on I-40

"The driver's suspension seat was pulled down to give him more survivable space, while the pretensioner held him securely in his seat. The side airbag deployed to cushion his head and neck... RollTek functioned as intended – it did its job in this accident."

Matt Byam, manager of quality assurance at **IMMI**, comments on his investigation of a rollover accident that took place in Virginia in October of 2007. Officials report that the RollTek deployment protected the driver in the crash, and he made a full recovery.

meets the highest safety standards

"When you're running a high CG load, it can be hard to tell when you're going too fast on an off ramp or a curve; drivers can easily lose control. BJ has very high safety standards, which is why we are implementing the RollTek system."

Mike Kelley, **BJ Services** truck and trailer specification project leader, explains the company's motivation for including RollTek as standard on all new equipment.



BJ Services has made RollTek standard

"Safety is one of our core principles. In the event that we do have a rollover, we believe that RollTek will better protect our drivers and will help to significantly minimize or eliminate injuries."

Tim Johnson, mobile equipment manager at **Praxair**, explains why RollTek was specified on all new Praxair trucks ordered in 2009.

an investment in safety

"We always look at opportunities to improve fleet safety. In March [before trucks were equipped with RollTek], one of our drivers had a rollover accident on an exit ramp, and he was injured. If we can cut down on any injuries that could happen in the event of a rollover, it would be a worthwhile investment."

John Kaburick, president of **Henderson Trucking**, emphasizes the company's reasons for beginning to order trucks equipped with RollTek side roll protection.



"If we can prevent even one fatality, the whole [RollTek] program pays for itself."

Mike Kelley, **BJ Services** truck and trailer specification project leader, explains why the company has decided to make RollTek standard on all of its vehicles.



Side Airbag – Inflates to cushion head/neck impact and reduce potential for injuries.

Atlas Seat Features

- 1 Contoured high-back seat
- 2 Ergonomic 22-inch wide back and cushion
- 3 Lumbar adjustment with four air chambers
- 4 Infinite recline backrest
- 5 Infinite adjust 15-inch armrest
- 6 Vertical plus cushion extension offers 3-position adjustment
- 7 Cushion extension with 3-position adjustment
- 8 ToggleLink suspension

Suspension Seat Pull Down – Pulls seat to its lowest position to increase survivable space.

RollTek Sensor – Programmed to constantly monitor the vehicle's side angle (tilt) and roll rate, so RollTek only deploys when a rollover is imminent.

Seat Pretensioner – Tightens the seat belt to keep the occupant securely in his seat.