

## ON-RIDER SAFETY SOLUTIONS

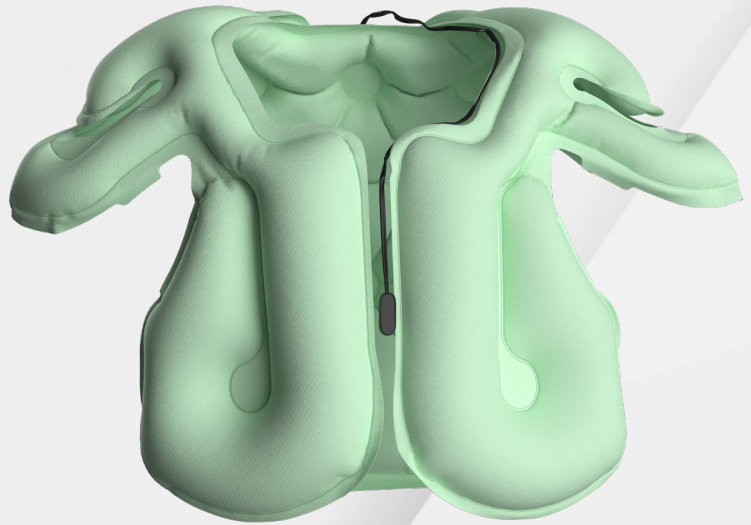
# Inflatable Vest for Motorcycle riders

In the multitude of crash situations that riders are exposed to, there is no single solution that prevents injuries. Autoliv has been a global safety leader for 70 years and our mission is to improve motorcycle safety by addressing the problem from all angles in our **360° Holistic Safety Approach**.

Autoliv's extensive experience in the safety industry, where numerous crash simulations and real tests have been performed and analyzed, enables us to know what energy absorption levels are required for motorcycle riders.

This allows us to optimize rider safety through a vest that is equipped with a bespoke airbag for the application.

**Every year there are 1.35 million fatalities globally, of which 50% are vulnerable road users.**



### Key features & components

- The passive protection part is compliant with EN 1621-2 Back Protectors
- Designed for the replaceable inflator concept
- E-connectivity to Autoliv Safety Cloud
- Machine learning-based algorithm
- Cold gas generator: Compact design according to automotive standard
- One-Piece-Woven cushion: Automotive standard, robust with additional textile layer laminated on airbag cushion
- Detects hazardous situations with high precision
- Electronic control unit, which deploys the airbag instantaneously in case of an accident

### Protection concept

For the on-rider safety solutions our focus is to protect the chest if the rider is thrown from the bike. This vest is equipped with Autoliv's inhouse developed ECU, algorithm, one-piece woven textile and two cold gas inflators.

Autoliv research has shown injuries to the chest have the highest fatality rates and therefore this area is the most important to protect.

**Enjoy a safer ride.**



### Contact for inquiries

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