

AMSAFE Aviation Inflatable Restraint (AAIR)

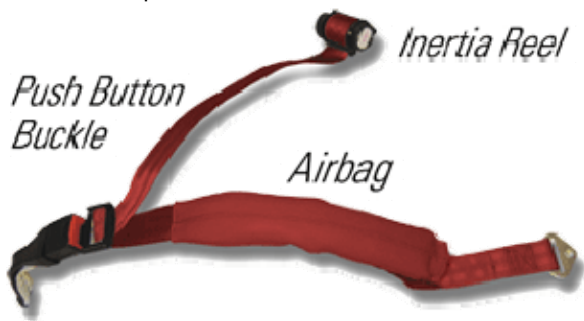
Now available for the Part 23 general aviation and business jet markets, the AMSAFE Aviation Inflatable Restraint (AAIR) provides a dramatic step-change improvement in pilot/copilot and passenger protection, and provides an immediate solution to 26G FAR 23.562 Head Injury Criteria (HIC) requirements.

The AAIR is a self-contained modular restraint system specifically designed to improve occupant protection from serious head impact injury during an otherwise survivable aircraft accident, and enhance the occupant's ability to exit the aircraft. Occupant interface with the AAIR system is essentially the same as conventional seatbelts.

The AAIR is now available for installation on all general aviation fixed-wing aircraft and business jet aircraft.

Inflatable Restraint Technology

Compatible with standard seats and seat belt attach points, the AAIR looks and operates like a standard AMSAFE restraint. However, in the event of an accident, an integral inflatable bag stored in the lap belt portion of the restraint fixed half of the seat belt will deploy. Once the AAIR system's sensors detect and verify a catastrophic event, a volume of gas deploys a large airbag "pillow" up and away from the occupant's AMSAFE restraint within milliseconds. This shields the occupant's head and upper torso from severe trauma caused by impact with glare shields, instrument panels, control yokes or other structures, ultimately increasing survivability. The patented system is based on mature automobile supplemental restraint technology, which AMSAFE Aviation has successfully adapted to general aviation aircraft requirements.



Convenient and Cost Effective Safety Enhancement

Inflating safely away from the occupant or pilot, the AAIR is designed for occupants of virtually any age and size. Available in multiple designer colors, the AAIR looks and feels similar to existing AMSAFE restraints and feels similar to existing AMSAFE restraints and our restraint hardware can be custom plated to customer specifications.

Increases Survivability by Lowering Head Injury Criteria (HIC) Factor

AAIR protects occupants in a survivable accident by cushioning and diminishing the impact. HIC factor is guaranteed to be reduced to less than 1,000 units, which is the threshold of probability of permanent injury.

More Than 30 Years of Experience In Aviation Restraints

AMSAFE is the leading manufacturer of aviation restraint systems in the world. AMSAFE restraints are used in most corporate and private aircraft for both passenger and flight crew seats, and virtually every major airline. The AMSAFE Aviation Inflatable Restraint is a part of AMSAFE's continuous effort to advance airborne passenger safety.

AAIR System Features:

- HIC and supplemental restraint solution for all aircraft interior configurations
- Improved safety
- Low initial cost and maintenance cost
- Virtually maintenance free
- Developed and supported by world's largest aircraft restraint manufacturer

AAIR System Safety Features:

- Advanced impact sensor technology
- Protects against neck hyperextension and soft tissue damage

AAIR System Design Features:

- Designed to meet 26G rule requirements in any seat location
- Uses standard buckle and existing belt anchors
- Self-contained, self-powered
- Modular components easily retrofitted onto existing seats