

MOBIUS
Protection Systems

DECADE OF SUCCESS

Mobius Protection Systems (Mobius) specializes in delivering energy-absorbing seat systems for land and air platforms, based on its patented SPIRAL technology. A global enterprise based in Israel, the company partners with industry leaders to supply customers in over 30 countries with uniquely designed solutions.

UNMATCHED CUSTOMIZATION

Meeting customer's design requirements: Our technology allows us to customize the seat to our customer's precise requirements. Whether you need to integrate seamlessly into a tight space or prioritize a specific weight capacity, Mobius delivers tailored solutions that won't compromise on safety or performance.

ADVANCED ENERGY ABSORPTION

Highly efficient energy absorption: Our military-grade SPIRAL EA element allows us to design a lightweight, compact energy-absorbing mechanism with minimal travel distance. This cutting-edge technology efficiently dissipates energy, ensuring occupant protection without sacrificing valuable cabin space.

FULL SPECTRUM PASSENGER PROTECTION

Full spectrum of occupant weight and pre-existing conditions: Our SPIRAL EA element's unique characteristics allow us to offer exceptional EA protection for a wide range of occupants, from the 5th percentile female to the 95th percentile male. Mobius goes beyond just weight – our design philosophy prioritizes occupant safety regardless of pre-existing conditions. This ensures every passenger is safe and secure, even those who may have unique needs.

UNPARALLELED COMFORT FOR EXTENDED OPERATIONS

Mobius understands the importance of crew and troop well-being during prolonged missions. Our seats are meticulously designed with ergonomics in mind, featuring adjustable lumbar support, breathable materials, and molded foams. This ensures optimal comfort and reduces fatigue, allowing personnel to stay focused and alert during long drives and combat situations.

Mobius empowers armored vehicle manufacturers to achieve their design goals while prioritizing passenger safety and comfort. Our commitment to innovation ensures that every Mobius seat system is brilliantly simple, yet robust and reliable.

+35780

Systems supplied
to date

+49

Different
platforms

54

Countries

+745

Validation tests
conducted

+96

Seat
models

FEATURES AND AD-ON'S TYPICAL SPECIFICATIONS



FEATURE	DESCRIPTION
Back, Pan & Folding options	Flip backrest, Fixed/Flip Seatpan, Backrest recliners
Energy absorbing system	<ul style="list-style-type: none"> • Energy absorbing system based on the advanced Spiral technology. • Designed to enable survival against a primary and secondary impulse with peak accelerations. • Seats designed and tested with accordance to STANAG 4569 and requirements of NATO AEP-55 VOL 2
Ergonomics	Ergonomic design suitable for 5th to 95th percentile
Headrest	Adjustable headrest with side protection
Safety	Designed to meet FMVSS and the ECE requirements Comply with Flammability standard - FMVSS 302
Seat belts	4/5 points seat belt with quick release Rotary buckle
Mounting options	Wall / Floor / Ceiling
Footrest	Range of retractable footrest

TROOP SEATS

Mobius Troop Seats: Uncompromising Protection, Maximum Comfort

Mobius equips your crew for any mission with their industry-leading selection of over 8 troop seat models. These innovative seats deliver unmatched protection and exceptional ergonomic comfort. Highly customizable, they adapt to various occupants and different roles, ensuring effortless adjustments, easy entry and exit, and even emergency operation capabilities.

Designed for Troop Well-being

Mobius prioritizes your crew's well-being with a range of built-in features:

- Folding Backrests and Flipping Seatpans: Optimize space and ease movement within the vehicle.
- Ergonomic Body Supports: Reduce fatigue and enhance comfort during long journeys.
- Retractable Footrests and Adjustable Headrests: Provide personalized comfort for every crew member.
- Lightweight Materials: Improve vehicle performance and maneuverability.

Flexible Mounting for Diverse Applications: Whether mounted on walls, roofs, or floors, Mobius troop seats offer maximum flexibility for any land vehicle platform.

THE SUPERIOR



THE SUPER CLASICO



THE ADVANCED SEAT



CREW SEATS- WALL MOUNT

Mobius Crew Seats: Optimized Performance. Uncompromising Safety.

Safety First. Every Mobius seat is meticulously engineered with advanced blast-mitigating technology for unrivaled crew protection.

Exceed Expectations. Mobius offers meticulously crafted, fully customizable crew seating solutions. Prioritizing unparalleled safety, exceptional comfort, and unmatched versatility, Mobius empowers every crew member on every mission.

Tailored for Peak Performance. Our modular design adapts to any modern military vehicle, ensuring an ergonomic fit for any crew member. Extensive adjustments minimize fatigue and maximize focus during critical operations.

Comfort Under Duress. Mobius seats boast an ergonomic design with durable materials and molded cushioning, keeping crews alert and focused.

Unparalleled Adaptability. Diverse mounting options and features guarantee optimal positioning for each crew member, from precise driver control to rapid crew seat transitions.

THE CREW SEAT



THE CREW SEAT



CREW SEATS - FLOOR MOUNT

Optimized for Crew Performance: Our ergonomic design prioritizes comfort and focus with intuitive adjustments for optimal support. Easy maneuvering allows effortless operation of vehicle controls and facilitates seamless crew ingress and egress in tight spaces. Additionally, the design ensures intuitive access to emergency features, enhancing crew safety during critical situations.

Combat-Proven: Mobius floor-mounted crew seats are integrated in numerous 4x4 armored vehicles that have been rigorously tested and meet the stringent standards of STANAG 4569 and the demanding requirements of NATO AEP-55 VOL 2 Level 4a/4b. This ensures exceptional crew protection in the harshest environments.

Seamless Adjustability: Mobius floor-mounted crew seats offer a range of functionalities to maximize crew comfort and performance.

These include:

- Fore-aft adjustment for optimal legroom.
- Height adjustment for personalized positioning.
- Backrest recliner for tailored support during long journeys.
- Adjustable headrest for proper neck alignment.
- Provisions for handrests to reduce fatigue and enhance control.

THE PRO



THE SUPERIOR

TURRET SEATS

Complex Design for Simple Usability. The unique design of the Mobius Turret Seat product line is tailored to accommodate the varying needs of the occupants - the commander, gunner, and loader - given the spatial constraints of the turret, the multiuse of the space, and the varied driving, environmental, and operational conditions.

Designed to maximize maneuverability and functionality in the tight but critical space of the observational or firing turret.

Mobius has created a line of products that provide ultimate protection in high impact scenarios, extreme comfort, and unmatched ergonomics to support occupants' full usability range.


THE COMPACT



THE ADVANCED






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