

# MARS ARMOR®



THE CHOICE OF PROTECTION

MODULAR • ARMOR • RELIABLE • SYSTEMS



EDITION 2019



**MARS Armor Ltd.** is a specialized manufacturer of personal ballistic and stab protection equipment for a wide range of uses and purposes. Throughout the years, we have built a strong international image as a company which provides and invents modular customized and integrated ballistic systems. We use a wide variety of ballistic materials including aramides, polyethylenes, glass fibers, ceramics, steel and hybrids. Our own in-house ballistic laboratory allows us to perform all kinds of tests and examinations of the used materials, and to keep a constant highly increased quality control over our production.

We produce a full range of vests for covert, overt, law enforcement, naval and military usage. The ergonomic shapes are combined with low weights and increased protection areas. All our models are fully customizable and could be upgraded with additional peripheral and hard armor protection. Using only top quality fabrics and materials we can provide warranty of our products for up to 10 years. Our products are tested and certified to comply with all international ballistic resistance standards and are ready to meet even the most sophisticated customer requirements.

**Our ballistic protection range includes:**

- » Development of specific and non-traditional ballistic and stab-resistant systems.
- » Production of multi-threat protection systems and body armors. (known as “bullets-stabs-fragments”) Full range configuration of ballistic vests including overt, covert, VIP, flotation, tactical and military models.
- » Manufacture of modular body armor with webbing for load carrying equipment and accessories.
- » Production of hard armor products and helmets: ballistic plates, shields, briefcases and a range of helmets.

**MARS Armor’s quality management system is established according to ISO 9001:2015, ISO 14001:2015, NATO AQAP 2110 Standards. This allows us to describe, understand and fully control the processes as well as to meet customers’ requirements and international norms.**





## MODEL 12 - ENHANCED PROTECTION



### Enhanced Concealable Protection

This enhanced coverage concealable vest provides front, back and sides protection. These protective capabilities, combined with low weight, a high degree of comfort and mobility, have made this MARS Armor® vest perfect for concealable protection.

### Protection

Ballistic body armor Model 12 Enhanced Protection could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from above mentioned standards is chosen by the customer.

### Standard Features

- Inner spacer (mesh) fabric providing ventilation;
- Two fixed adjustment straps on the shoulders;
- Elastic adjustment straps provide a firm and comfortable fit on the sides;
- Easy-care, dry-cleanable polyamide or polyester outershell;
- Side overlapping of the ballistic panels;
- Removable ballistic panels;
- Zipper opening of the outer shell for easy removal of the ballistic panels.

### Options

- IIIA+ 7,62x25mm TT FSJ ballistic system;
- Anti-stab protection system (integrated);
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 12-006 - COVERT PROTECTION



### Covert Protection

This concealable vest provides protection to the front, back and sides. The special concealed design of the soft armor panels is making this model very ergonomic and perfect for covert protection.

### Protection

Ballistic body armor Model 12-006 Covert Protection could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; VPAM; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

### Standard Features

- Ergonomic ballistic panels design;
- Soft Knitted Spacer (3D mesh) fabric providing ventilation and comfort;
- Concealed size adjustment at the shoulders;
- Elastic adjustment straps provide a firm and comfortable fit on the sides;
- Easy-care polyamide or polyester textile;
- Side overlapping of the ballistic panels;
- Removable ballistic panels;
- Zipper opening of the outer shell for easy removal/insert of the ballistic panels.

### Options

- IIIA+ 7,62x25mm TT FSJ ballistic system;
- Anti-stab protection system (integrated);
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 13 - BALLISTIC T-SHIRT



### Optimum ballistic protection

The ballistic T-shirt Model 13 provides front, back and side protection. These protective capabilities are combined with low weight, breathable comfort, keeping the body armor snug against the torso, making it ideal for concealment wearing during undercover operations.

### Protection

Model 13 T-Shirt could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the ballistic T-shirt from above mentioned standards is chosen by the customer.

### Standard Features

- Easy-care, dry-cleanable outershell;
- Removable ballistic panels (front and back) inserted in internal pockets with eyelet-through closure;
- Both ballistic panels are clasped with interior elastic straps which hold armor tight against body and prevent sagging;
- Crew neck (round neckline);
- Extremely flexible;
- One size fits all.

### Options

- IIIA+ 7,62x25 TT FSJ bullet ballistic system;
- Anti-stab protection system (integrated);
- Design: with sleeves or sleeveless arm openings;
- Colors: black or white.

*\* Product images are for illustration purpose only.*



## MODEL 21 - GUARD



### Flexible Overt Protection

The Overt MARS Armor® Model 21 Guard vest provides front and back protection. Possibility to increase the protection through add-on inserts. The vest combines high protection at low weight and excellent torso coverage. Civil guards and law enforcement application.

### Protection

Ballistic body armor Model 21 Guard could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

### Standard Features

- Adjustment straps on shoulders and sides provide a firm and comfortable fit with Velcro® closure;
- Easy-care, dry-cleanable Cordura® outershell;
- Removable ballistic panels;
- Pockets for additional hard armor inserts;
- Sides protection without overlapping.

### Options

- IIIA+ 7,62x25mm TT FSJ ballistic system;
- Anti-stab protection system (integrated);
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 22 - SECURITY POLICE



### Flexible Overlapping Protection

Model 22 Security Police provides comfortable and lightweight front, back and sides protection. The side overlapping ensures full torso coverage by the flexible ballistic panels. Application: Security Police, Law Enforcement, Civil Guard.

### Protection

Vest Model 22 could be produced according all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662. The level of protection of the bulletproof vest from above mentioned standards is chosen by the customer.

### Standard Features

- Side adjustment;
- Full torso coverage;
- Easy-care, dry-cleanable outershell;
- Removable ballistic panels;
- Waterproof ballistic panel cover;
- Integrated pockets for accessories;
- Inner cummerbund to adjust the vest to the body.

### Options

- IIIA+ 7,62x25 TT FSJ bullet ballistic system;
- Anti-stab integrated protection systems;
- Shoulders opening customization;
- Fixed or removable pouches;
- Pockets for hard armor inserts;
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 24 - HIGH VISIBILITY



### Flexible Overlapping Protection

The Security Police MARS Armor® vest provides front, back and sides protection. The vest can be used as a concealed armor and externally with high visibility features. Security Police and Law Enforcement units' application.

### Protection

Vest Model 24 High Visibility could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

### Standard Features

- Ultra ergonomic design with side overlapping;
- Easy-care durable outershell made of Cordura, Nylon 6.6, Polyamide or Polyester;
- Inner mesh/spacer for ventilation and comfort;
- Size adjustment on the shoulders and sides by Velcro® system;
- Removable waterproof ballistic panels;
- Lightweight structure;
- High visibility fabric;
- 3M reflective tapes integration.

### Options

- IIIA+ 7,62x25 TT FSJ bullet ballistic system;
- Anti-stab integrated protection systems;
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*





## MODEL 25 - ACTIVE DUTY



### Flexible Overlapping Protection

The Tactical MARS Armor® vest provides front, back and full side protection. Possibility to increase the protection through add-on hard armor inserts. Perfect fit for Security Guards, Police and Law enforcement units.

### Protection

Vest Model 25 could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

### Standard Features

- Basic ergonomic design with side overlapping;
- Easy-care durable outershell made of Cordura, Nylon 6.6, Polyamide or Polyester;
- Inner mesh/sparer for ventilation and comfort;
- Size adjustment on the shoulders and sides by Velcro® system;
- External pockets for additional hard armor plates;
- Removable waterproof ballistic panels;
- Lightweight structure.

### Options

- IIIA+ 7,62x25 TT FSJ bullet ballistic system;
- Anti-stab integrated protection systems;
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 31 - OPTIMUM LADY'S PROTECTION



### Optimum Lady's Protection

The optimum coverage lady's vest provides front and back protection. These protective capabilities, combined with low weight, a high degree of comfort and mobility, have made this MARS Armor® vest preferable for female officers.

### Protection

The ballistic body armor Model 31 has a restriction in the levels of protection, because of the specific female body structure: only available with II, IIIA, IIIA+, according to NIJ 0101.04 and their equivalents in the other international standards including NIJ 0101.06; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the mentioned standards is chosen by the customer.

### Standard Features

- Elastic adjustment straps provide a firm and comfortable fit;
- Easy-care, dry-cleanable polyester or polyamide outershell;
- Specially designed ergonomic shape to fit the female body;
- Removable ballistic panels.

### Options

- Custom sizes.
- Custom colors: black, white, beige, and others.

*\* Product images are for illustration purpose only.*



## MODEL 41 - DIPLOMAT



### Hidden Front and Back Protection

The Model 41 Diplomat vest provides discreet front and back protection. These protective capabilities, combined with low weight and a high degree of comfort, have made this MARS Armor® vest a must-have body armor for businessmen and VIPs.

### Protection

Ballistic body armor Model 41 Diplomat could be produced according to all international standards: NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from above mentioned standards is chosen by the customer.

### Standard Features

- Imitation buttons and pockets;
- Look-alike a typical waistcoat;
- Easy-care, dry-cleanable outershell, 100% Wool;
- Removable ballistic panels;
- Color corresponding to suits.

### Options

- IIIA+ 7,62x25 TT FSJ bullet ballistic system;
- Anti-stab integrated protection systems;
- Custom design;
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 55 - MODULAR POLICE DESIGN



### Flexible Overlapping Protection

The Tactical MARS Armor® vest provides front, back, sides, neck and groin protection. The side overlapping ensures full torso coverage. Possibility to increase the protection through add-on hard armor inserts. Ideal for Police and Law enforcement troops usage.

### Protection

Ballistic body armor Model 55 Modular Police Design could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; VPAM; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the mentioned standards is chosen by the customer.

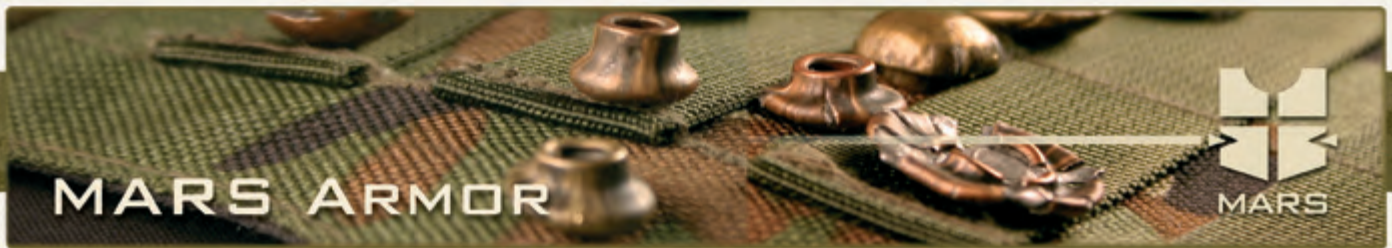
### Standard Features

- Easy-care durable outershell made of Cordura, Nylon 6.6, Polyamide or Polyester;
- Size adjustment on the shoulders and sides by Velcro® system;
- Pockets for additional hard armor plates;
- Removable ballistic panels;
- Removable neck and groin protection (optional);
- Waterproof ballistic panels;
- Front PALS (MOLLE) webbing.

### Options

- IIIA+ 7,62x25mm TT FSJ ballistic system;
- Anti-stab integrated protection systems;
- Fixed or removable pouches;
- Custom inscriptions (white or reflective);
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 56 - ULTRA DESIGN



### Flexible Overlapping Protection

The Tactical MARS Armor® Ultra Design vest provides front, back, side, neck and groin protection. The side and shoulder overlapping ensures full torso coverage. Possibility to increase the protection through add-on inserts. Law enforcement and special troops application.

### Protection

Ballistic body armor Model 56 Ultra Design could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

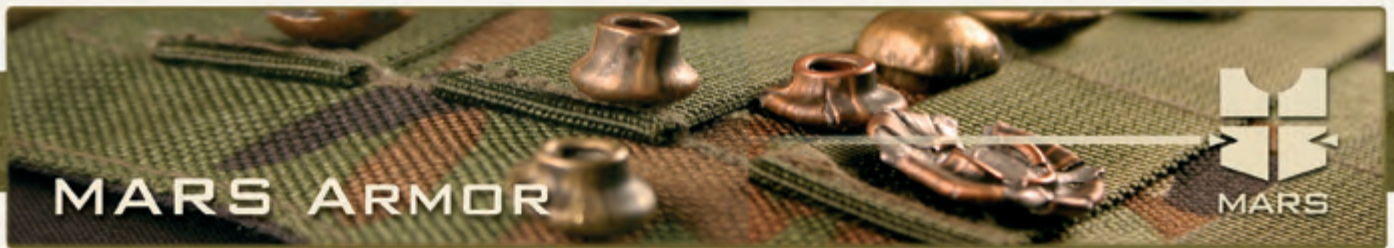
### Standard Features

- Full torso coverage, adjustable shoulder and side straps;
- Easy-care, dry-cleanable outershell;
- PALS (MOLLE) webbing;
- Pockets for additional hard armor inserts;
- Removable neck and groin protection;
- Removable ballistic panels;
- Waterproof ballistic panel cover;
- Reinforced drag handle.

### Options

- IIIA+ 7,62x25 TT FSJ bullet ballistic system;
- Anti-stab integrated protection systems;
- Possibility to attach different types of pouches for magazines and accessories;
- Custom sizes and colors.

*\* Product images are for illustration purpose only.*



## MODEL 57 - SAFEGUARD DESIGN



### Flexible Overlapping Protection

The MARS Armor® Safeguard Design vest provides front, back, side, neck, shoulder and groin protection. Possibility to increase the protection through add-on hard armor inserts. Law enforcement and special troops application.

### Protection

Ballistic body armor Model 57 Safeguard Design could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

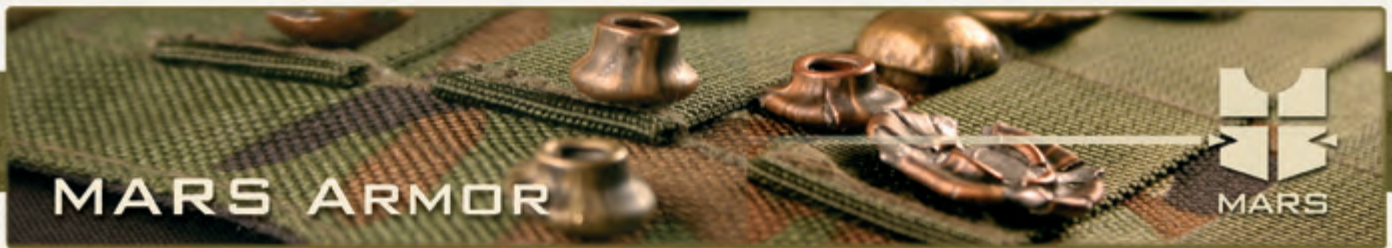
### Standard Features

- Full torso coverage, with increased sides protective area;
- Adjustable shoulder and side straps;
- Easy-care, dry-cleanable outershell;
- Fixed shoulder protection;
- Pockets for additional hard armor inserts;
- Removable neck and groin protection;
- Removable ballistic panels;
- Waterproof ballistic panel cover.

### Options

- IIIA+ 7,62x25 TT FSJ bullet ballistic system;
- Anti-stab integrated protection systems;
- PALS (MOLLE) webbing;
- Integrated pouches;
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 58 - EXTREME DESIGN



### Extreme Protection

The Extreme Design Tactical MARS Armor® vest provides front, back, side, neck, throat, shoulder and groin protection. The full torso coverage does not disturb mobility and combat activities. Possibility to increase the protection through add-on hard armor inserts. Special troops application.

### Protection

Ballistic body armor Model 58 Extreme Design could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; VPAM; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

### Standard Features

- Full torso coverage with side overlapping;
- 360° PALS (MOLLE) webbing;
- Easy-care durable outershell made of Cordura, Nylon 6.6, Polyamide or Polyester;
- Inner mesh lining for ventilation and comfort;
- Pockets for additional hard armor plates;
- Removable throat, neck and groin protection;
- Removable waterproof ballistic panels;
- Integrated shoulder protection;
- Reinforced drag handle.

### Options

- IIIA+ 7,62x25mm TT FSJ ballistic system;
- Anti-stab integrated protection systems;
- Different pouches, holsters and magazine boxes;
- Side plate (15x15cm or 15x20cm) integration;
- Custom inscriptions (white or reflective);
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 61 – NAVY



### Inflatable Body Armor

The Floatation Inflatable MARS Armor® Model NAVY vest provides front, back, neck and side ballistic protection. The inflatable design ensures keeping the body on water surface. Possibility to increase the protection through add-on hard armor inserts.

### Protection

Ballistic body armor Model 61 Navy could be produced according to the international standards: NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

### Standard Features

- Full torso coverage;
- Easy-care, salt water-resistance outershell;
- Removable and waterproof ballistic panels;
- Removable inflatable collar;
- Pockets for additional hard armor inserts;
- Buoyancy – from 150N to 275 N;
- Reinforced drag handle;
- CO2 pressurized Gas Cylinder (replacable);
- Manual pull cord activation device;
- Blow tube for manual inflation and deflation;
- Detachable from vest for repair and replacement.

### Options

- IIIA+ 7,62x25 TT FSJ bullet ballistic system;
- Automatic activation device;
- Custom sizes and colors.

*\* Product images are for illustration purpose only.*





## MODEL 62 – COAST GUARD



### Enhanced Floatation Capability

The Floatation MARS Armor® Model Coast Guard vest provides front, back and sides ballistic protection. The enhanced floatation capability ensures keeping seriously wounded body on water surface. Possibility to increase the protection through add-on hard armor inserts. Coast Guard and Navy application.

### Protection

Vest Model 62 Coast Guard is produced according to the international standards: NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662. The level of protection is chosen by the customer.

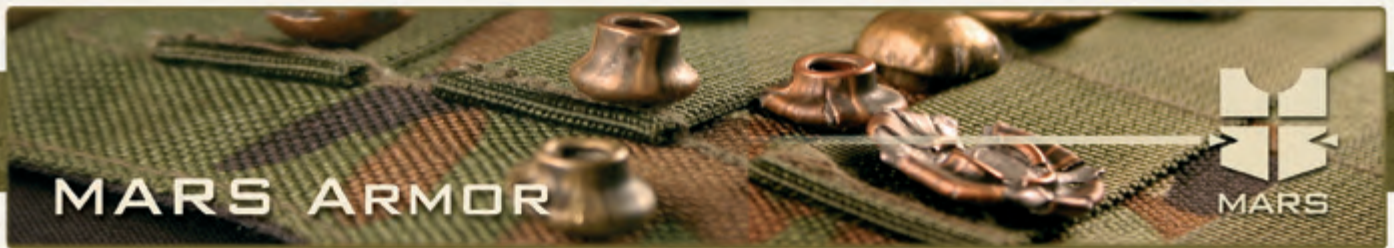
### Standard Features

- Plastic buckles closures allowing regulation and ensuring a reliable grip;
- Full torso coverage;
- Easy-care, sea water resistant outershell;
- Water-repellent outershell fabric;
- Removable ballistic panels;
- Pockets for additional hard armor inserts;
- Minimum buoyancy – 100 N;
- Waterproof ballistic panel cover;
- Drag/pull out handle.

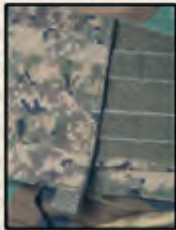
### Options

- IIIA+ 7,62x25 TT FSJ bullet ballistic system;
- Removable neck protection;
- Custom buoyancy;
- Custom sizes and colors.

*\* Product images are for illustration purpose only.*



## MODEL 75 - ULTRA LIGHT MOLLE VEST



### Comfortable for special tasks

The Ultra-Light MOLLE Vest MARS Armor® Model 75 provides front, back and side protection. Using the latest high-tech materials this model is widely acceptable. There is a possibility to increase the protection through add-on hard armor inserts. Military units and special troops application.

### Protection

Ballistic body armor Model 75 Ultra-Light MOLLE Vest could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; VPAM; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

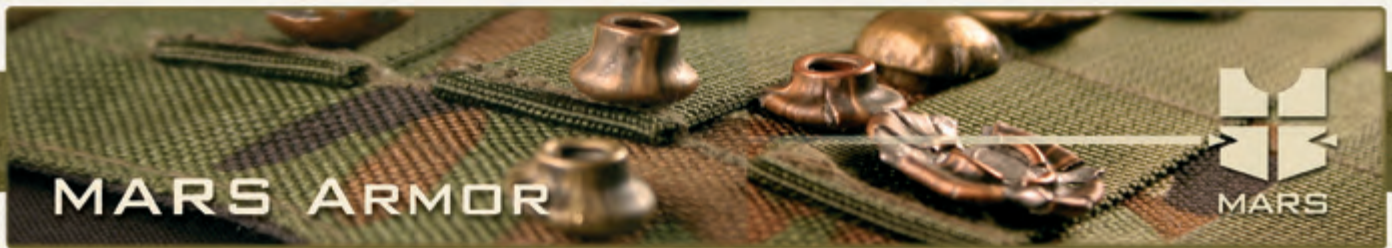
### Standard Features

- Lightweight and ergonomic design;
- Easy-care durable outershell made of Cordura, Nylon 6.6, Polyamide or Polyester;
- 360° PALS (MOLLE) webbing;
- Inner mesh lining for ventilation and comfort;
- Inner concealed pockets for hard armor plates;
- Removable ballistic panels;
- Size adjustment at the shoulders and sides;
- Waterproof ballistic panel covering;
- Reinforced drag handle.

### Options

- IIIA+ 7,62x25mm TT FSJ ballistic system;
- Anti-stab integrated protection systems;
- Additional pouches for magazines and holsters;
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 76 – MODULAR TACTICAL VEST



### Modular design for special tasks

The Military Modular Tactical MARS Armor® Model 76 vest provides front, back, side, neck and groin protection. The webbing and special attachment system ensures compatibility to different load carrying systems. Possibility to increase the protection through add-on inserts. Military units and special troops application.

### Protection

Ballistic body armor Model 76 Modular Tactical Vest could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from above mentioned standards is negotiating by customer.

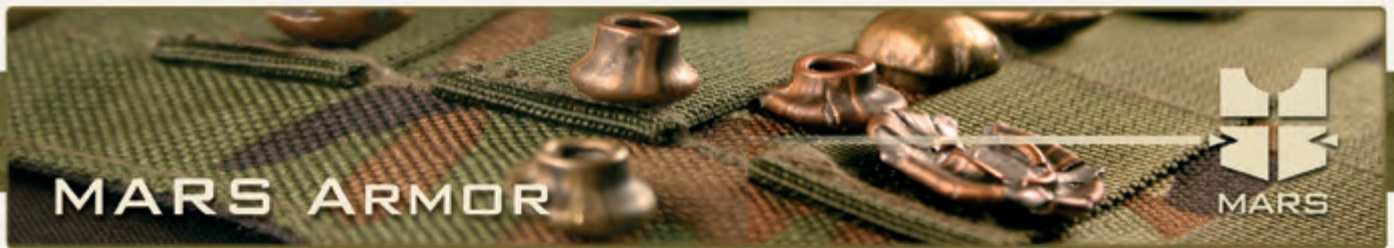
### Standard Features

- Full torso coverage with side overlapping;
- Easy-care, dry-cleanable outershell;
- Removable ballistic panels;
- Pockets for additional hard armor inserts;
- Increased side protection;
- Groin protection;
- Waterproof ballistic panel cover;
- Partial PALS (MOLLE) webbing.

### Options

- IIIA+ 7,62x25 TT FSJ bullet ballistic system;
- Anti-stab integrated protection systems;
- Shoulder protection;
- Additional pouches, holsters and magazine boxes;
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 77 – COMFORTABLE TACTICAL VEST



### Comfortable for special tasks

The Military Comfortable Tactical MARS Armor® Model 77 vest provides front, back, side, neck, shoulder and groin protection. One-piece design and side overlapping ensure full torso coverage. Possibility to increase the protection through add-on hard armor inserts. Military units and special troops application.

### Protection

Ballistic body armor Model 77 Tactical Vest could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

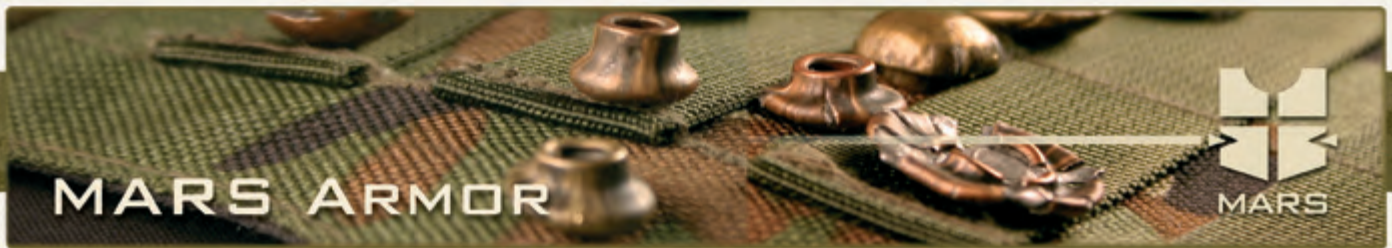
### Standard Features

- Full torso coverage with side overlapping;
- Easy-care, dry-cleanable outershell;
- Removable ballistic panels;
- Pockets for additional hard armor inserts;
- Removable neck and groin protectors;
- Detachable shoulder protection pads;
- Waterproof ballistic panel cover;
- Side adjustment.

### Options

- IIIA+ 7,62x25 TT FSJ bullet ballistic system;
- Anti-stab integrated protection systems;
- Shoulder opening;
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 78 – SPECIAL TACTICAL VEST



### Modular design for special tasks

The Military Special Tactical MARS Armor® Model 78 vest provides front, back, side, neck, throat, shoulder, upper arms and groin protection. The 360° webbing and special attachment system ensures compatibility to different load carrying systems. Possibility to increase the protection through hard armor inserts. Military units and special troops application.

### Protection

Ballistic body armor Model 78 Special Tactical Vest could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the mentioned standards is chosen by the customer.

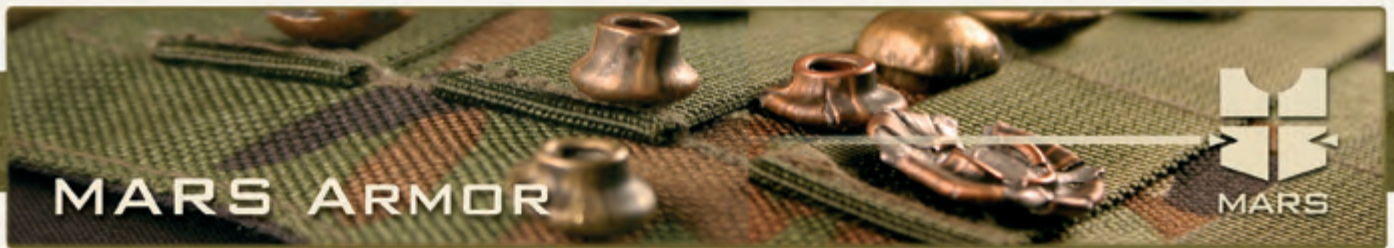
### Standard Features

- Full torso coverage with side overlapping;
- Easy-care durable outershell made of Cordura, Nylon 6.6, Polyamide or Polyester;
- 360° PALS (MOLLE) webbing;
- Inner mesh lining for ventilation and comfort;
- Inner belt for fixation and weight distribution;
- External pockets for hard armor plates;
- Removable waterproof ballistic panels;
- Removable collar, neck and throat protection;
- Groin protection (removable);
- Upper arms protection (optional);
- Reinforced drag handle.

### Options

- IIIA+ 7,62x25mm TT FSJ ballistic system;
- Anti-stab integrated protection systems;
- Additional pouches for magazines and holsters;
- Side hard armor plates integration;
- Custom sizes and colors.

*\* Product images are for illustration purpose only.*



## MODEL 83 - QUICK RELEASE VEST ALPHA



### Quick Release System

The MARS Armor® Tactical Quick Release Bulletproof Vest provides front, back, side, neck, throat and groin protection. Model 83 is a cut away system with fully integrated side protection, communication routing channels and increased PALS (MOLLE) attachment system. Optional increase of protection to the lateral torso, with less exposed area on the sides and under the arms. Military units and special troops application.

### Protection

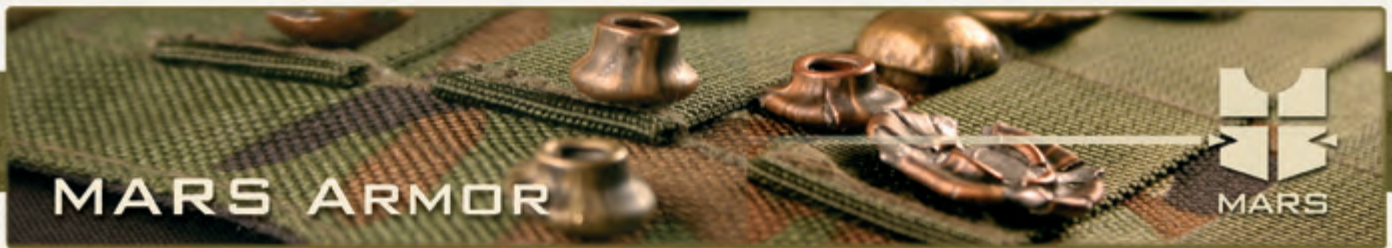
Ballistic body armor Model 83 Tactical Quick Release Vest could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

### Standard Features

- 360° PALS (MOLLE) webbing;
- Quick-release capability with security strap quick release system;
- Increased coverage, including lower back and kidney area, side torso and lower shoulders;
- Integrated down armor for lower pelvis protection;
- Upper arms protection;
- Integrated side armor plate pockets;
- Improved closure strap system;
- Multi-point adjustability;
- Internal plate pockets;
- Waterproof ballistic panel cover;
- Reinforced drag handle;
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## MODEL 84 - "QUICK RELEASE VEST BETA"



### Quick Release System

The MARS Armor® Tactical Quick Release Beta Bullet-proof Vest provides front, back, side, neck, throat, upper arms, coccyx and groin protection. Model 84 is a cut away system with fully integrated side protection, communication routing channels and increased PALS (MOLLE) attachment system. Optional increase of protection to the lateral torso, with less exposed area on the sides and under the arms. Military units and special troops application.

### Protection

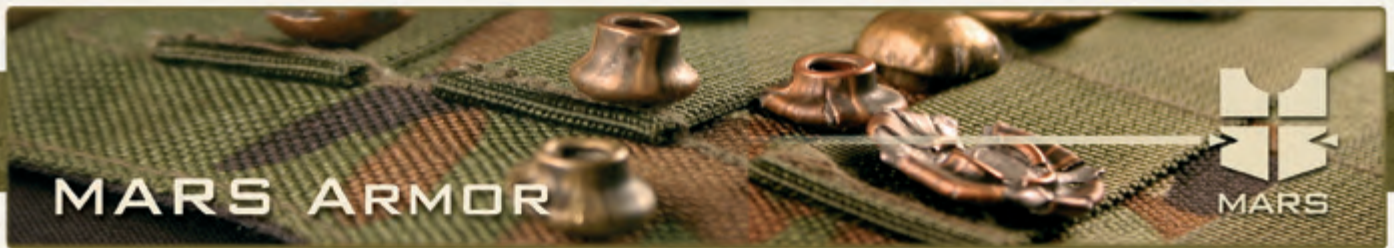
Ballistic body armor Model 84 Quick Release Vest Beta could be produced according to all international standards as NIJ 0101.04; NIJ 0101.06; NIJ 0115.00; Technische Richtlinie; HOSDB; GOST 50 744-95; STANAG 2920; MIL 662.

The level of protection of the bulletproof vest from the above mentioned standards is chosen by the customer.

### Standard Features

- 360° PALS (MOLLE) webbing;
- Quick-release capability with security cable quick release system;
- Easy assembly;
- Improved closure cable system;
- Increased coverage of torso, including lower back and kidney area, side torso, lower shoulders and biceps;
- Integrated down armor for lower pelvis and coccyx protection;
- Upper arms protection;
- Front and back internal plate pockets;
- Integrated side armor plate pockets;
- Side overlapping;
- Inner cummerbund to fix the vest to the wearer;
- Multi-point adjustability;
- Waterproof ballistic panel cover;
- Reinforced drag handle;
- Custom sizes and colors.

*\* Product images are for illustration purpose only.*



## PLATE CARRIERS

### JUPITER



### TAURUS



#### Model Specific Features

- Model: MPC-B002
- Quick Release System with pull cord;
- Approximate weight: 1.300 kg (+/- 0.200 kg)

- Model: MPC-B003
- Fast Release Buckle System;
- Approximate weight: 1.350 kg (+/- 0.200 kg)

#### Standard Features

- Easy-care Cordura, Nylon 6.6, Polyamide or Polyester textile for outershell;
- Breathable mesh inner lining;
- Front and back pockets with VELCRO® closure for inserting the ballistic plates;
- Waist and shoulder size adjustment by VELCRO® system;
- Reinforced drag handle on the upper backside;
- MOLLE webbing for attachment of accessories (pouches);
- Cable support loops and channels (for PTT and various communication equipment);
- Size: One size fits all;
- Regular plate size: 250x300mm

#### Options

- Side Hard Armor Plates integration;
- Soft Armor Panels integration;
- Flame and water resistant textile;
- Additional MOLLE pouches, magazine holders and utility bags;
- The shape of the ballistic inserts could be single or multi curved;
- SAPI/ESAPI Hard Armor Plates (all sizes) modification;
- Custom colors: variety of camouflages, blue, black, olive drab, desert tan, coyote brown.

*\* Product images are for illustration purpose only.*





## PLATE CARRIERS

### ORION



### KARAUL



- Model: MPC-B004
- MOLLE cut side cummerbund;
- MOLLE webbing combined with Laser Cut sectors;
- Buckles for backpack integration;
- Approximate weight: 1.200 kg (+/- 0.200 kg)

- Model: MPC-B005
- Durable plastic buckles for size adjustment;
- Approximate weight: 1.000 kg (+/- 0.200 kg)

#### Standard Features

- Easy-care Cordura, Nylon 6.6, Polyamide or Polyester textile for outershell;
- Breathable mesh inner lining;
- Front and back pockets with VELCRO® Brand hook and loop closure for inserting the ballistic plates;
- Reinforced drag handle on the upper backside;
- Waist and shoulder size adjustment;
- MOLLE webbing for attachment of accessories (pouches);
- Size: One size fits all;
- Regular plate size: 250x300mm

#### Options

- Soft Armor Panels integration (front/back);
- Flame and water resistant textile;
- Additional MOLLE pouches, magazine holders, medicine bags;
- The shape of the ballistic inserts could be single or multi-curved;
- SAPI/ESAPI Hard Armor Plates (all sizes) modification;
- Custom colors: variety of camouflages, blue, black, olive drab, desert tan, coyote brown.

*\* Product images are for illustration purpose only.*



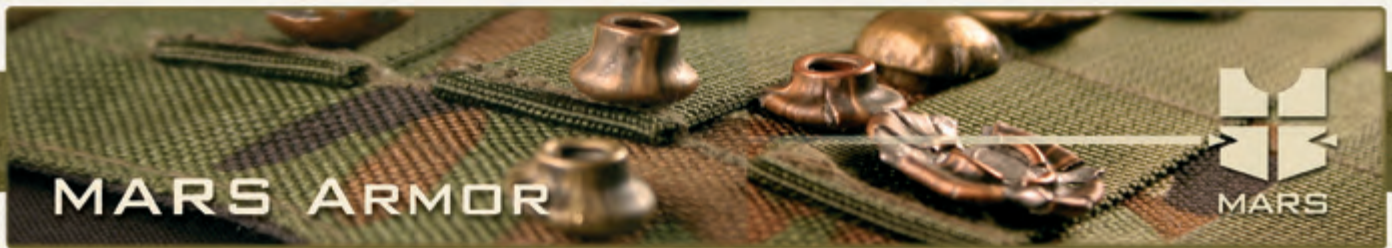
## AMMUNITION POUCHES



MARS Armor® Ammunition Pouches provide easy and comfortable access in any environment. Reliable PALS MOLLE system can be easily attached to any webbing platform. The design and color of the pouches can be produced according customer requirements and the pouches are fully customizable.

- |                                       |  |
|---------------------------------------|--|
| 1. Thigh rig                          | 7. 2 Magazines pouch MP5, 30 rounds    |
| 2. Holster for pistol GLOCK 17        | 8. 2 Magazines pouch 9x19mm, 15 rounds |
| 3. 2 Magazines pouch AK-47, 30 rounds | 9. 2 Grenades VOG 25                   |
| 4. 2 Magazines pouch G36, 30 rounds   | 10. 2 Hand grenades pouch              |
| 5. 2 Magazines pouch M16, 30 rounds   | 11. 2 Flash grenades pouch             |
| 6. 2 Magazines pouch M16, 20 rounds   | 12. Pouch for 12 Caliber, 10 rounds    |

*\* Product images are for illustration purpose only.*



## UTILITY POUCHES



MARS Armor® MOLLE compatible utility pouches were designed specially to be added to any tactical MOLLE vest, allowing you to carry a wide variety of equipment, small tools, and accessories, to make sure you have always what you need to complete your mission.

The design and color of the pouches can be produced according to customer requirements and are fully customizable.

- |                           |                                   |
|---------------------------|-----------------------------------|
| 1. Chemical kit pouch     | 6. Utility pouch (map & docs)     |
| 2. First aid kit          | 7. Foldable large multi-use pouch |
| 3. Hydration pouch        | 8. Radio pouch                    |
| 4. Gas mask pouch         | 9. Tactical flashlight pouch      |
| 5. Medium multi-use pouch | 10. Handcuffs pouch               |

*\* Product images are for illustration purpose only.*



## BALLISTIC INSERTS

### Additional Protection from High Velocity Bullets

MARS Armor® hard armor plates are developed to defeat the threat of high-velocity ammunitions, including rifle and machine gun fire. These hard armor plates are designed to be comfortable and give you as much freedom of movement as possible while offering maximal coverage of protection. The inserts can be produced in two options – as Stand Alone (SA) ballistic plates and working in conjunction with (ICW) soft body armor. The shape of the ballistic inserts could be single or multi curved.



- Protection level: **III NIJ 0101.04**
- Test ammunition: 7,62x51 mm FMJ NATO Ball
- Standard dimensions: 250x300 mm
- Weight: From 0.8 kg  
/depending on function ICW or SA/



- Protection level: **III+ NIJ 0101.04**
- Test ammunitions:
  - 7,62x51mm FMJ NATO Ball
  - 7,62x39mm AK47 MSC
  - 5,56x45mm M193 / FMJ Ball
- Standard dimensions: 250x300 mm
- Weight: From 0.9 kg  
/depending on function ICW or SA/



## BALLISTIC INSERTS



- Protection level: **III++ NIJ 0101.04**
- Test ammunitions:
  - 7,62x51 FMJ;
  - 7,62x39 AK47 MSC
  - 5,56x45 SS109/M855
- Standard dimensions: 250x300 mm
- Weight: From 1.65 kg  
/depending on function ICW or SA and type of ceramics/



- Protection level: **SPECIAL THREAT NIJ /8 VPAM/**
- Test ammunitions:
  - 7,62x39 AK47 API
- Standard dimensions: 250x300 mm
- Weight: From 1.85 kg  
/depending on function ICW or SA and type of ceramics/



- Protection level: **IV NIJ 0101.04**
- Test ammunitions:
  - 7,62x51 AP P80
  - 7,62x54R API B-32
  - .30 M2 AP
- Standard Dimensions: 250x300 mm
- Custom Dimensions: SAPI/ESAPI (S, M, L, XL)
- Weight: From 2.0 kg  
/depending on function ICW or SA and type of ceramics/



## BALLISTIC BRIEFCASE W-TYPE



### Ballistic Briefcase W-Type

The extremely lightweight 4-panel ballistic suitcase MARS Armor for personnel protection provides mobile and discreet front protection from dangerous bullets. Possibility for fast unfolding.

V.I.P. and Personal Security application.

### Dimensions

- Dimensions folded, mm – 540x320 mm
- Dimensions unfolded, mm – 540x1160 mm

### Protection

MARS Armor® Ballistic Briefcase W-Type is tested and certified according to NIJ 0108.01.

### Standard Features

- HPPE composite protective material;
- Appearance just like a normal briefcase for first-class camouflage effect and high level of mobility;
- Front-side pocket
  - Dimensions, mm – 420x290
  - Horizontal Velcro closure
- Guarantees multi hit bullet protection;
- Easy unfolding by dropping the carry handle;
- Overlapping of ballistic panels;
- Protection level options: IIIA; IIIA+; III; III+, NIJ 0108.01
- Weight: depends on the level of protection;
- Custom colors.

*\* Product images are for illustration purpose only.*



## BALLISTIC BRIEFCASE Z-TYPE



### Ballistic Briefcase Z-Type

The lightweight 3-panel ballistic briefcase MARS Armor® for personnel protection provides mobile and discreet protection from dangerous bullets. Its low profile, lightweight and compactness, makes it easy to carry and to stow in vehicles. Extremely fast and easy unfolding. V.I.P. and Personal Security application.

### Dimensions

- Dimensions folded, mm – 540x320 mm
- Dimensions unfolded, mm – 540x820 mm

### Protection

MARS Armor® Ballistic Briefcase Z-Type is tested and certified according to NIJ 0108.01.

### Standard Features

- HPPE composite protective material;
- Appearance just like a normal briefcase for first-class concealed effect;
- Front-side pocket
  - Dimensions, mm – 420x290
  - Horizontal Velcro closure
- Rectangular design;
- Guarantees multi hit bullet protection;
- Easy unfolding by dropping the carry handle;
- Overlapping of ballistic panels;
- Protection level options: IIIA; IIIA+; III; III+, NIJ 0108.01;
- Weight: depends on the level of protection;
- Custom colors.

*\* Product images are for illustration purpose only.*



## BALLISTIC LADDER SHIELD



### Ballistic Ladder Shield

Ballistic Ladder Shield MARS Armor® is ballistic shield and ladder combination. Its lightweight design and access capabilities makes it an excellent choice for all law enforcement officials worldwide.

### Dimensions

- Dimensions shield, mm – 1215x610
- Dimensions shield with mobile legs, mm – 1250x610
- Dimensions window, mm – 450x100

### Protection

MARS Armor® Ballistic Ladder Shield is tested and certified according to NIJ 0108.01.

### Standard Features

- Manufactured with advanced, high-performance polyethylene fiber;
- Unique ambidextrous handle;
- Rectangular design;
- The ladder is an integral part of the shield, serving as both an ambidextrous handle and climbing frame
- Two mobile legs to support it in upright position;
- Two legs on the front-side, which are settled on the right and left top sides for underpinning the shield while using it as a ladder;
- Heat-sealed, waterproofed ballistic outer cover;
- Rubber edge covering;
- Overlapping front and back view-finders provide a reinforced viewport seam for optimum protection
- Protection level options: IIIA; IIIA+; III; III+, NIJ 0108.01;
- Weight: depends on the level of protection;
- Custom colors.

*\* Product images are for illustration purpose only.*





## BALLISTIC SHIELD



### Ballistic shield

The MARS Armor® Ballistic Shield provides reliable front protection. The light weight ensures high mobility for fast entry. Possibility to increase the protection through add-on ceramic insert. Special troops application.

### Dimensions

- Standard dimensions shield, mm:
  - 1200x600 (for protection level IIIA NIJ 0108.01)
  - 1000x500 (for protection level III+ NIJ 0108.01)
- Standard dimensions window, mm:
  - 200x100
  - 300x100

### Protection

MARS Armor® Ballistic Shield is tested and certified according to NIJ 0108.01.

### Standard Features

- Ballistic window with same ballistic protection;
- Alluminum ambidextrous handle;
- The ballistic shield is made with HPPE material;
- The ballistic window is made of bulletproof glass.

### Options

- Carry belt with shoulder pad;
- Trolley with two shields <sup>①</sup>
- Additional front pocket for hard armor insert
- Custom sizes
- Custom colors

*\* Product images are for illustration purpose only.*

**BALLISTIC COMBAT HELMETS  
TYPE BK & PASGT**



**STANDARD FEATURES**

Model	MBH-BK-BTS	MBH-PASGT-SD	MBH-PASGT-BTS
Shape	European Fritz/PASGT	PASGT	PASGT
Material	Aramid, Kevlar®		
Covering/Finish	Polyurethane paint with IRR and chemical resistant properties		
Colour	Black, Olive Green, Desert Tan, Blue or Custom		
Suspension Liner System	Plastic harness (Stoteck)	Crown Mesh or Foam Pads (7 pcs)	Crown Mesh or Foam Pads (7 pcs)
Retention System: Chinstrap	Boltless 3 points attachment; Quick Release buckle; Material: polyamide with leather chin cup.	Standard H-back 4 points attachment; Quick Release buckle; Material: polyamide with leather chin cup.	Boltless 3 points attachment; Quick Release buckle; Material: polyamide with leather chin cup.
Accessories	Cordura cover in various fabric colors and patterns; Carrying bag		
Protection levels NIJ 0106.01/ NIJ 0108.01	II = 9x19mm FMJ & .357 Magnum JSP; IIIA Special = 9x19mm FMJ, .44 Magnum Lead SWC, 7.62x25 TT FSJ		
Fragmentation resistance STANAG 2920 / V50	Level II minimal = 625 m/s Level IIIA minimal = 700 m/s		
Maximal Weight (grams) Level II/Level IIIA	S = 1300 / 1400 M = 1400 / 1500 L = 1500 / 1600 XL = 1600 / 1700	S = 1200 / 1300 M = 1300 / 1400 L = 1400 / 1500 XL = 1500 / 1600	S = 1200 / 1300 M = 1300 / 1400 L = 1400 / 1500 XL = 1500 / 1600

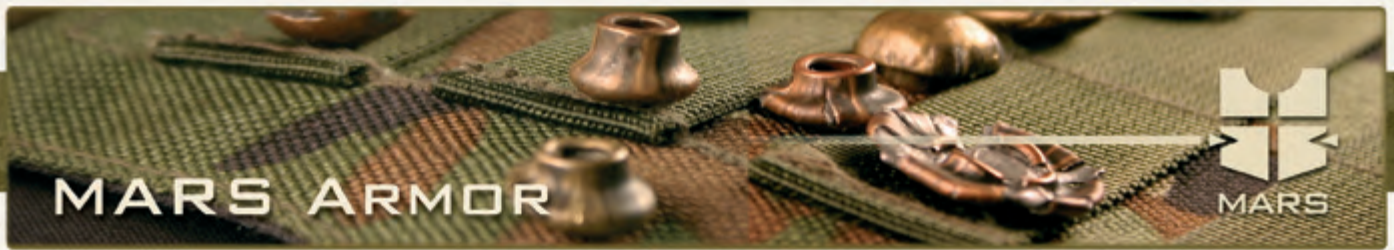


## BALLISTIC COMBAT HELMETS TYPE MICH & ACH



### STANDARD FEATURES

Model	MBH-MICH-SD	MBH-ACH-SD	MBH-ACH-HC
Shape	MICH	MICH	MICH - HIGH EARS CUT
Material	Aramid, Kevlar®		
Covering/Finish	Polyurethane paint with IRR and chemical resistant properties		
Colour	Black, Olive Green, Desert Tan, Blue or Custom		
Suspension Liner System	Foam Pads - 7 pcs	Foam Pads - 7 pcs	Foam Pads - 7 pcs
Retention System: Chinstrap	Standard H-back 4 points attachment; Quick Release buckle; Material: polyamide with leather chin cup.	Standard H-back 4 points attachment; Quick Release buckle; Material: polyamide with leather chin cup.	4 points attachment with Worm-Dial size adjustment system; Quick Release buckle; Material: polyamide with leather chin cup.
Accessories	Cordura cover with various fabric colors and patterns; Carrying bag	Front night vision mount; 2 side Picatinny rails with adapters (optional); Cordura cover with various fabric colors and patterns; Carrying bag	Front night vision mount; 2 side Picatinny rails with adapters (optional); Cordura cover with various fabric colors and patterns; Carrying bag
Protection levels NIJ 0106.01/ NIJ 0108.01	II = 9x19mm FMJ & .357 Magnum JSP; III A Special = 9x19mm FMJ, .44 Magnum Lead SWC, 7.62x25 TT FSJ		
Fragmentation resistance STANAG 2920 / V50	Level II minimal = 625 m/s Level III A minimal = 700 m/s		
Maximal Weight (grams) Level II/Level III A	S = 1300 / 1400 M = 1350 / 1450 L = 1400 / 1500 XL = 1450 / 1550	S = 1400 / 1500 M = 1450 / 1550 L = 1500 / 1600 XL = 1550 / 1650	S/M = 1500 L/XL = 1550



## LIGHT DEMINING SUIT - LDS



### Mobility and Protection

Light Demining Suit, MARS Armor®, LDS for body protection has been designed for demining of anti-personal mines with TNT 200 gr.

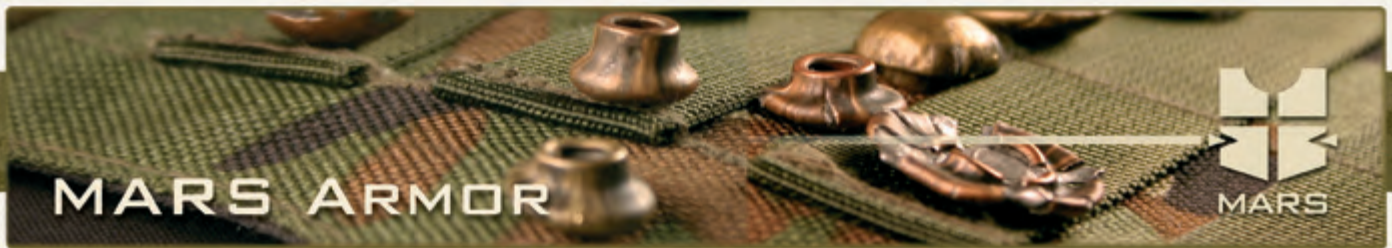
### Protection

The level of protection of the Light Demining Suit MARS Armor® is chosen by the customer. Tested and certified according to standard STANAG 2920.

### Standard Features

- Ballistic Deflecting Soft Armor covering the operator's body, including neck, torso, shoulders, legs, knees and groin area;
- Optional modules for the arms;
- Ballistic body protection up to V50=750 m/s of the fragments 1,102 g in accordance with STANAG 2920;
- Blast body protection;
- Heat body protection;
- Washable outer cover;
- The LDS could be produced according to specific operational requirements and specified protection levels;
- The LDS is comfortable and lightweight at only 8.2 kg;
- The LDS is provided with a bag for storage and transportation;
- Custom sizes;
- Custom colors.

*\* Product images are for illustration purpose only.*



## DEMINING HELMET

### Standard features

- Ballistic protection:
  - - Helmet - V50 = 600 m/s STANAG 2920 FSP 1,1g
  - - Visor - V50 = 250 m/s STANAG 2920 FSP 1,1g
- System with excellent shock absorption
- Material for helmet - Aramid
- Three point links with quick-release catch
- Helmet is covered with special ABS-film
- Fully laminated acrylic-polycarbonate ballistic visor
- Available in olive green, black and blue color
- Available in two sizes - 1,45 kg (medium) and 1,55 kg (large)



## DEMINING VISOR

### Standard features

- Ballistic protection:
  - - V50 = 250 m/s STANAG 2920 FSP 1,1g
- Full facial visor with fully padded adjustable head harness completed with padded visor
- Material - GE Lexan Polycarbonate
- Thickness - 6 mm
- Protection cover and carrying bag



## BALLISTIC VISOR WITH RING

### Standard Features

- Ballistic protection:
  - - V50 = 250 to 700 m/s, STANAG 2920 FSP 1,1g;
  - - Bullets: 9x19mm Parabellum FMJ to .44 Magnum SJHP
- Material: Polycarbonate (Lexan);
- Customizable dimensions and cuts;
- Thickness: 6mm to 23 mm (or more);
- Anti fog layer;
- Fits to most helmet shapes: PASGT, MICH, GERMAN (BK-3);
- Weight: from 0.700kg to 1.500 kg



*\* Product images are for illustration purpose only.*



## BALLISTIC BOMB BLANKET & SAFETY CIRCLE MDP-BB01



### General Description And Usage

MARS Bomb Blanket provides a portable, light-weight and quick-to-deploy way to shelter people and property from the destructive effects of improvised explosive devices and hand grenades. Tough and durable, MARS Bomb Blankets are constructed from multiple layers of Aramid fibers wrapped in a flame retardant and water resistant covering.

### Protection Levels

V50  $\geq$  500 m/s according to STANAG 2920  
V50  $\geq$  610 m/s according to STANAG 2920  
IIIA according to NIJ 0108.01

Ballistic material: Aramide

Weights (Ballistic System Only):

$\leq$ 5.4 kgs/m<sup>2</sup> (for V50  $\geq$  500 m/s)

$\leq$ 7.0 kgs/m<sup>2</sup> (for V50  $\geq$  610 m/s + IIIA NIJ 0108.01)

### Additional Components:

- Explosion containing ballistic resistant circle/ring with customizable dimension
- Storage and Transportation Bag

### Size & Dimensions

- Length: up to 300cm
- Width: up to 155cm

### Warranty

- 5 years for ballistic resistance.

*\* Product images are for illustration purpose only.*

**BULLET-RESISTANCE LEVELS OF PROTECTION**  
**NIJ 0101.04** **MARS Armor TS**

Level	Test bullet	Bullet weight, g	Bullet velocity $\pm 10$ m/s <sup>2</sup>	Shots		BFS Depth maximum, mm	
				0°	30°	NIJ	MARS
<b>Pistol and Revolver Threats</b>							
I	.22 caliber LR LRN	2.6	329	4	2	44	30
	.380 ACP FMJ RN	6.2	322	4	2	44	30
IIA	9 mm Para FMJ RN	8.0	341	4	2	44	30
	40 S&W FMJ	11.7	322	4	2	44	30
II	9 mm Para FMJ RN	8.0	367	4	2	44	30
	.357 Magnum JSP	10.2	436	4	2	44	30
IIIA	9 mm Para FMJ RN	8.0	436	4	2	44	30
	.44 Magnum JHP	15.6	436	4	2	44	30
IIIA+	7.62x25 TT FSJ	5.5	440	4	2	44	30
<b>Typical Rifle Threats</b>							
III	7.62x51 NATO ball	9.6	838	4	2	44	30
III+	7.62x39 AK-47 MSC	7.9	720	4	2	44	30
III++	5.56x45 SS -109	4.0	950	4	2	44	30
<b>Armor-piercing Threats</b>							
AK-API	7.62x39 AK-47 API	7.7	720	1	-	44	30
IV	7.62x51 NATO AP	9.8	830	1	-	44	30
	7.62x54R API	10.4	845	1	-	44	30
	.30 caliber M2 AP	10.8	869	1	-	44	30

**STAB-RESISTANCE LEVELS OF PROTECTION**  
**NIJ 0115.00**

Level	E1 Strike Energy, J	Maximum Depth of Penetration, mm	E2 Overtest Strike Energy, J	Maximum Depth of Penetration, mm
1	24±0.50	7	36±0.60	20
2	33±0.60	7	50±0.70	20
3	43±0.60	7	65±0.80	20



## MARS ARMOR LTD.

Address: 2 Poletto,  
Industrial Zone,  
2230 Kostinbrod,  
Bulgaria

Tel: +359.2.439.9088  
Fax: +359.2.439.0611  
E-mail: [sales@marsarmor.com](mailto:sales@marsarmor.com)  
Web: [www.marsarmor.com](http://www.marsarmor.com)



**NATO**  
AQAP 2110

