

TEMP 3000

scientific-production enterprise



UKRAINE



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HIGH-STRENGTH MATERIAL

PRODUCTION

is the basis of our

SUCCESS and

COMPETITIVENESS as it allows us
to produce material with customised properties.

WHERE WE WORKED



The United States



The United Kingdom



Azerbaijan



Guinea



Iraq



Kazakhstan



Kenya



Moldova



Peru



Saudi Arabia



Sierra Leone



Tajikistan



Turkmenistan

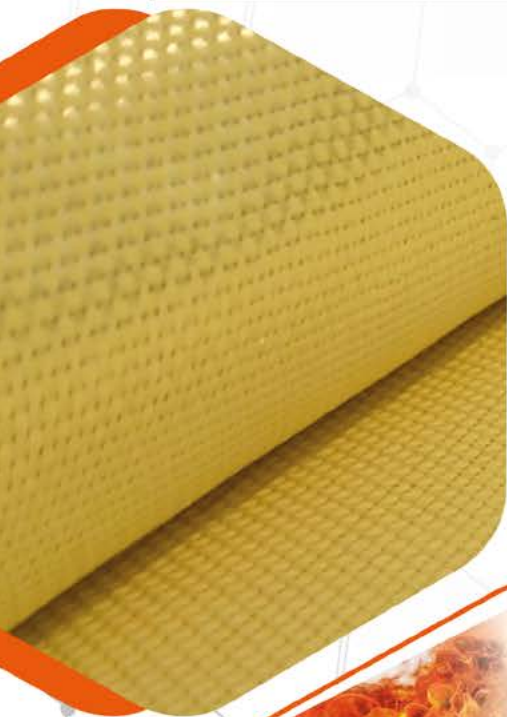


Uganda



Ethiopia

Production of **HIGH-STRENGTH MATERIALS** is our priority direction of **DEVELOPMENT** and **IMPROVEMENT**.



Production of **PARA-ARAMID FABRICS** – TPS Fabric Line – **HIGH STRENGTH** and **DURABILITY**



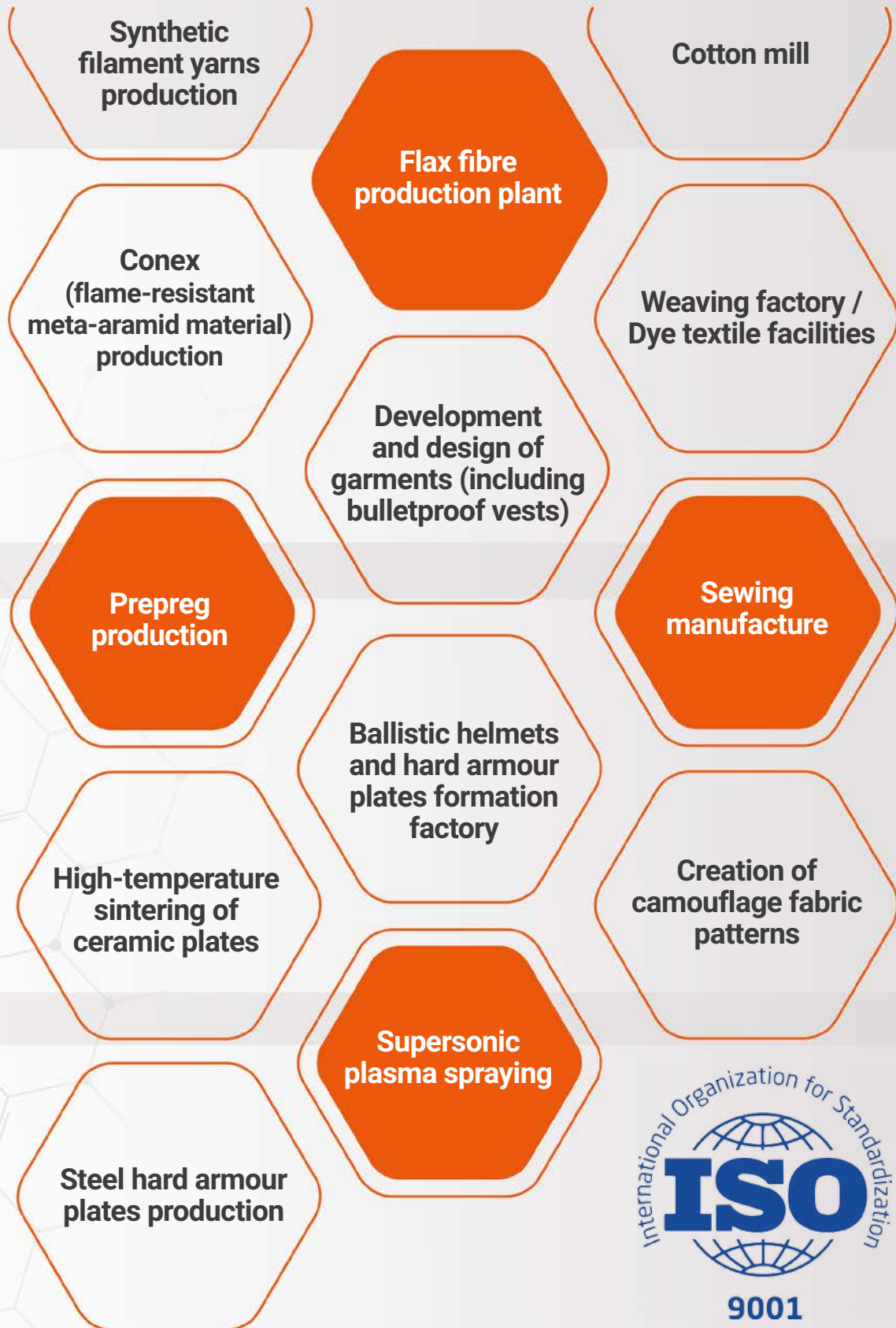
Production of **META-ARAMID FABRICS** – Conex Fabric Line – **HEAT** and **FLAME RESISTANCE**



SINTERING OF CERAMICS



MANUFACTURING FACILITIES AND CAPABILITIES



Our ballistic protective products are tested and verified in our accredited **TESTING LABORATORIES** according to specific threats. There are three laboratories that operate in the company, specifically, fibre, yarn and textile materials testing laboratory, x-ray inspection of sintered ceramic plates, and testing of complementary materials and finished goods on fragmentation resistance.

On the basis of our raw materials, we manufacture the following products, which can be customised upon request to meet customer' requirements:

- »» Ballistic Helmets
- »» Hard Armour Plates
- »» Covert and Overt Bulletproof Vests
- »» Bomb Disposal Suits and Equipment
- »» Tactical Gear
- »» Tactical Equipment
- »» Ballistic Shields



DESIGNED & MANUFACTURED
IN UKRAINE



BALLISTIC HELMETS

- Helmets are made of para-aramid material and UHMWPE (Ultra high molecular weight polyethylene).
- Outer shell has durable waterproof polyurethane coating.
- Matte paint coating.
- Available in a full range of cuts, two sizes and various colours.
- Tested for ballistic performance from -40°C to +50°C.
- Head protection from fragmentation, handgun bullets, blast wave impacts, blunt impacts and falling from a certain distance.

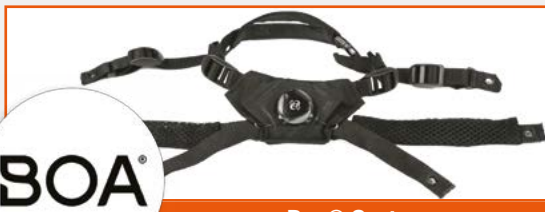


HELMET ACCESSORIES

- 4-point Attachment System
- Boa® System (Revolutionary Closure and Adjustment Solutions)
- Pad Liner System
- Mesh Crown Suspension System
- Rail Connectors and Adaptors
- Shrouds
- Mandible Guards
- Helmet Cover
- Helmet Bag



Pad Liner System



BOA®

Boa® System



Rail Connectors, Adaptors and Shrouds



Helmet Cover

Model #1 Option 1



Protection Area: 12.3-13 dm²

Weight: 1.3-1.4 kg

Vary depending on helmet size

Model #1 Option 2



Protection Area: 11.1-11.6 dm²

Weight: 1.2-1.3 kg

Vary depending on helmet size

Model #2



Protection Area: 12.3-13 dm²

Weight: 1.3-1.35 kg

Vary depending on helmet size

Model #3 Option 1

FULL CUT



Protection Area: 12.2-13.1 dm²

Weight: 1.3-1.35 kg

Vary depending on helmet size

Model #3 Option 2

MID CUT



Protection Area: 11-11.7 dm²

Weight: 0.9-0.95 kg

Vary depending on helmet size

Model #3 Option 3

HIGH CUT FOR COMFORT WEARING OF COMMUNICATION DEVICES



Protection Area: 10.3-10.9 dm²

Weight: 0.9-0.95 kg

Vary depending on helmet size

HARD

UHMWPE HARD
ARMOUR PLATE

Construction: Ultra High Molecular Weight Polyethylene

Size: 10" x 12"

Weight: 1.3±0.1 kg

NIJ 0101.06 Threat Level

STEEL HARD
ARMOUR PLATE

Construction: Steel

Size: 10" x 12"

Weight: 2.5±0.1 kg

NIJ 0101.06 Threat Level



NIJ 0101.06 BALLISTIC REQUIREMENTS

Performance Level	Test Bullet	Bullet Mass (g)	Conditioned Armour Test Velocity (m/s)	New Armour Test Velocity (m/s)
IIIA	.357 SIG FMJ FN	8.0	430± 9.1	448 ± 9.1
	.44 Magnum SJHP	15.6	408± 9.1	436 ± 9.1
III	7.62 mm FMJ Steel Jacketed	9.6	847 ± 9.1	-
IV	.30 calibre M2 AP	10.8	878 ± 9.1	-

ARMOUR PLATES

CERAMIC HARD ARMOUR PLATE



Construction: Ceramic/Boron Carbide B_4C

Size: 10" x 12"

Weight: 2.6 ± 0.1 kg

NIJ 0101.06 Threat Level

IV

Construction: Ceramic/Aluminium Oxide Al_2O_3

Size: 10" x 12"

Weight: 3.2 ± 0.1 kg

NIJ 0101.06 Threat Level

IV

Construction: Ceramic/Silicone Carbide SiC

Size: 10" x 12"

Weight: 2.9 ± 0.1 kg

NIJ 0101.06 Threat Level

IV

Construction: Ceramic/Silicone Carbide SiC

Size: 10" x 12"

Weight: 2.0 ± 0.1 kg

NIJ 0101.06 Threat Level

III+(SS109)

Construction: Ceramic/Silicone Carbide SiC

Size: 10" x 12"

Weight: 2.1 ± 0.1 kg

NIJ 0101.06 Threat Level

III+(M995)



BK-1

NIJ Level

IIA – IIIA

PROTECTION AREA: 31-37 dm²
Vary depending on bulletproof vest size

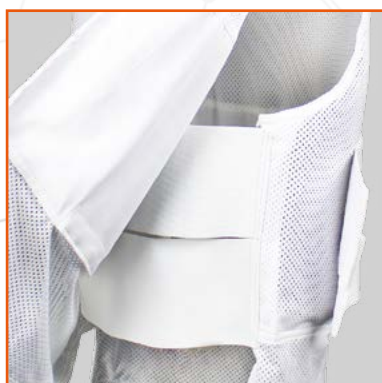


Sleeveless undershirt style bulletproof vest.
 Internal plate pockets.

Made from Heathcoat fabric.

Bottom of the product can be tucked
 into trousers to reach maximum
 armour concealment.

Colours: white, black.



Adjustment and fastening on torso by four elastic straps

Material of soft armour panel:
 Twaron para-aramid or UHMWPE
 Soft armour panels are sealed
 inside a waterproof case.



**ADDITIONAL POCKETS FOR
 HARD ARMOUR PLATES
 CAN BE ADDED BY REQUEST**

NIJ Level

IIA – IIIA**PROTECTION AREA: 35-40 dm²***Vary depending on bulletproof vest size*

BODYGUARD M3



Can be worn as a part of business suit.

Fabric of outer cover can be chosen by customer to match business suit.

Front, back and shoulder protection.

Imitation of buttons and pleated back.



**ADDITIONAL POCKETS FOR
HARD ARMOUR PLATES
CAN BE ADDED BY REQUEST**



Material of soft armour panel: Twaron para-aramid or UHMWPE
Soft armour panels are sealed inside a waterproof case.

Adjustment and fastening in the waist
by two elastic straps.

BODYGUARD+

NIJ Level

IIA – IIIA

PROTECTION AREA: 30 dm²
Vary depending on bulletproof vest size


- Lightweight and ergonomic.
- Front and back protection.
- Adjustable shoulder system.
- Outer cover made from pile fabric.



Adjustable shoulder system.



Adjustment and fastening at the waist by elastic straps.



ADDITIONAL POCKETS FOR
HARD ARMOUR PLATES
CAN BE ADDED BY REQUEST

Material of soft armour panel: Twaron para-aramid or UHMWPE
Soft armour panels are sealed inside a waterproof case.

NIJ Level

IIA – IIIA**PROTECTION AREA: 39-45 dm²***Vary depending on bulletproof vest size***COMFORT**

Imitation of a regular vest for travel, hunting or other purposes.

Internal plate pockets for soft armour panels and hard armour plates.



Side opening and adjustable closure system.

Imitation of pocket.



**ADDITIONAL POCKETS FOR
HARD ARMOUR PLATES
CAN BE ADDED BY REQUEST**

Material of soft armour panel: Twaron para-aramid or UHMWPE
Soft armour panels are sealed inside a waterproof case.

BODYGUARD



NIJ Level

IIA – IIIA

PROTECTION AREA: 31-37 dm²
Vary depending on bulletproof vest size

- Lightweight and ergonomic.
- Front and back protection.
- Adjustment and fastening on torso by elastic straps.
- Adjustable shoulder system.



Material of soft armour panel: Twaron para-aramid or UHMWPE
 Soft armour panels are sealed inside a waterproof case.

BODYGUARD A



NIJ Level

IIA – IIIA

PROTECTION AREA: 33-44 dm²
Vary depending on bulletproof vest size

- Front, back and side protection.
- Enhanced side protection.
- Adjustment and fastening at the waist by straps.
- Adjustable shoulder system.



Material of soft armour panel: Twaron para-aramid or UHMWPE
 Soft armour panels are sealed inside a waterproof case.

BODYGUARD M



NIJ Level

IIA – IIIA

PROTECTION AREA: 31-37 dm²

Vary depending on bulletproof vest size

- Front, back and side protection.
- Protection of 7th cervical vertebra.
- Side fastening and adjustment by elastic straps.
- Adjustable shoulder system.
- Removable ballistic groin protector (optional).



Material of soft armour panel: Twaron para-aramid or UHMWPE
Soft armour panels are sealed inside a waterproof case.

PRESTIGE



NIJ Level

IIA – IIIA

PROTECTION AREA: 34-43 dm²

Vary depending on bulletproof vest size

- Front, back and side protection.
- Adjustment and fastening at the waist by elastic straps.
- Enhanced circular ballistic protection due to the vest configuration in the shoulder area.
- Deep oval neckline to heighten armour concealment.



Material of soft armour panel: Twaron para-aramid or UHMWPE
Soft armour panels are sealed inside a waterproof case.

CORSAIR M3M

- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: Twaron para-aramid or UHMWPE.
- Soft armour panels are sealed inside a waterproof case.
- Internal plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" or 10" x 14" plates.
- MOLLE webbing throughout the vest.
- Outer cover is made from polyester and polyamide fabrics of our own production.



- Modular tactical body armour system.
- Multifunction features and ergonomic fit.
- Various options of equipment.



»» OPTION OF EQUIPMENT #1

FRONT AND BACK PROTECTION

PROTECTION AREA: 37-44 dm²

Vary depending on bulletproof vest size.

- Fastening shoulder system provides adjustability and strengthened fixation.
- Hard armour plates (NIJ Level III – IV) can be added.
- Fastening and adjustment at the waist by buckles made from impact resistant plastic.
- Continuous ventilation of body heat and rapid evaporation of sweat is implemented by volumetric damping stripes located in the inner surface of the bulletproof vest.



»» OPTION OF EQUIPMENT #2

FRONT, BACK AND SIDE PROTECTION

PROTECTION AREA: 49-62 dm²

Vary depending on bulletproof vest size.

- Removable side protection.
- Fast and comfortable opening.
- Side protection with soft armour panels. Hard armour plates can be added optionally.
- Quick release of side protection.

»» OPTION OF EQUIPMENT #3

FRONT, BACK, SIDE, NECK AND GROIN PROTECTION

PROTECTION AREA: 61-76 dm²

Vary depending on bulletproof vest size.

- Removable ballistic throat protector.
- Removable ballistic groin protector.

»» OPTION OF EQUIPMENT #4

FRONT, BACK, SIDE, NECK, GROIN AND SHOULDER PROTECTION

PROTECTION AREA: 70-86 dm²

Vary depending on bulletproof vest size.

- Removable ballistic shoulder protection.

OPTIONAL ACCESSORIES

- Removable ballistic hip protectors.
- Removable ballistic lower back protector.
- Rifle mag, pistol mag, grenade, medical and other pouches.

CORSAIR M3mk

- Modular tactical body armour system.
- Elements of equipment can be used separately as well as be combined to meet various demands and different threat levels.
- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: Twaron para-aramid or UHMWPE.
- Soft armour panels are sealed inside a waterproof case.
- Internal plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" or 10" x 14" plates.
- MOLLE webbing throughout the vest.
- Outer cover is made from polyester and polyamide fabrics of our own production.





OPTIONAL ACCESSORIES

- Removable ballistic hip protectors.
- Removable ballistic lower back protector.
- Rifle mag, pistol mag, grenade, medical and other pouches.

»»» OPTION OF EQUIPMENT #1 PLATE CARRIER

Front and Back Protection

PROTECTION AREA: 15-18 dm²

Vary depending on bulletproof vest size.

- Adjustable shoulders.
- Fastening and adjustment at the waist by buckles made from impact resistant plastic.
- Hard armour plates in the front and back.
- Side protection with soft armour panels can be added optionally.

»»» OPTION OF EQUIPMENT #2

Front and Back Protection

PROTECTION AREA: 35-47 dm²

Vary depending on bulletproof vest size.

- Soft armour panels. Hard armour plates can be added optionally.
- Fastening and adjustment at the waist by buckles made from impact resistant plastic.
- Air exchange for cooling and moisture removal from the body is implemented by volumetric damping stripes located in the inner surface of the bulletproof vest.

»»» OPTION OF EQUIPMENT #3

Front, Back, and Side Protection

PROTECTION AREA: 47-63 dm²

Vary depending on bulletproof vest size.

- Removable ballistic side protection.
- Side protection can be supplemented with hard armour plates.

»»» OPTION OF EQUIPMENT #4

Front, Back, Side, Neck and Groin Protection

PROTECTION AREA: 59-77 dm²

Vary depending on bulletproof vest size.

- Removable ballistic neck protector.
- Removable ballistic groin protector.

»»» OPTION OF EQUIPMENT #5

Front, Back, Side, Neck, Groin, Shoulder and Modular Belt Protection

PROTECTION AREA: 84.5-105.5 dm²

Vary depending on bulletproof vest size.

- Removable ballistic shoulder protection.
- Modular belt protection with soft armour panels. Flexible adjustment by size and height.
- Modular belt protection can be applied in each option of equipment.

CORSAIR M3



Comfort, simplicity in use, and reliability.

- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: Twaron para-aramid or UHMWPE.
- Soft armour panels are sealed inside a waterproof case.
- Internal plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" or 10" x 14" plates.
- Outer cover is made from polyester and polyamide fabrics of our own production.



»» OPTION OF EQUIPMENT #1

Front, Back and Groin Protection

Protection Area: 49-53 dm²

Vary depending on bulletproof vest size.

- Shoulder adjustment and fastening.
- Adjustment at the waist.
- Non-removable groin protector. Can be fixed under the front plate pocket to provide additional protection.
- Three pouches for six rifle magazines and two pouches for grenades on the front.
- Horizontal holder for bayonet knife.
- Holder for CamelBak hydration pack.

»» OPTION OF EQUIPMENT #2

Front, Back, Groin and Neck Protection

Protection Area: 57-62 dm²

Vary depending on bulletproof vest size.

- Removable ballistic neck protector.

OPTIONAL ACCESSORIES

- Removable ballistic hip protectors.
- Removable ballistic lower back protector.

CORSAIR



Ergonomic fit, enhanced side protection and wide operational capabilities provided by MOLLE webbing.

- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: Twaron para-aramid or UHMWPE.
- Soft armour panels are sealed inside a waterproof case.
- Internal plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" or 10" x 14" plates.
- MOLLE webbing throughout the vest.
- Outer cover is made from polyester and polyamide fabrics of our own production.

>>> OPTION OF EQUIPMENT #1

Front, Back and Side Protection

PROTECTION AREA: 40-44 dm²

Vary depending on bulletproof vest size.

- Strengthened side protection due to the configuration of the vest.
- Adjustable shoulders provides increased fixation.
- Front and back plate pockets for hard armour plates on the outer surface of the cover.
- ID badge holder.
- Adjustment at the waist provides solid fastening.
- Side protection can be supplemented with soft armour panels or hard armour plates.

>>> OPTION OF EQUIPMENT #2

Front, Back, Side, Groin and Neck Protection

PROTECTION AREA: 52-56 dm²

Vary depending on bulletproof vest size.

- Removable ballistic neck protector.
- Removable ballistic groin protector. Can be fixed under the front to provide additional protection. Do not limit movements.

OPTIONAL ACCESSORIES

- Removable ID panel in the back (e.g. Police).
- Rifle mag, pistol mag, grenade, medical and other pouches.



CORSAIR M3s

Modular bulletproof vest with quick release system.

- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: Twaron para-aramid or UHMWPE.
- Soft armour panels are sealed inside a waterproof case.
- Internal plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" or 10" x 14" plates.
- MOLLE webbing throughout the vest.
- Outer cover is made from polyester and polyamide fabrics of our own production.





»»» OPTION OF EQUIPMENT #1

Front, Back and Groin Protection

Protection Area: 49-53 dm²

Vary depending on bulletproof vest size.

- Quick release capability with strap quick release system.
- Adjustment of the bulletproof vest by size and height is provided by framed holes located on the quick release straps.
- Plastic strip by pulling which the bulletproof vest disintegrates, can be located on the right or left shoulder.
- Outer plate pocket on the front for hard armour plates.
- Inner plate pocket on the back for hard armour plates.
- Side protection can be supplemented with soft armour panels or hard armour plates.
- "Man down" drag handle.



»»» OPTION OF EQUIPMENT #2

Front, Back, Side, Shoulder and Neck Protection

Protection Area: 55.5-60 dm²

Vary depending on bulletproof vest size.

- Neck and shoulder ballistic protectors. Protectors are overlapped with soft armour panels to provide protection against fragments.
- Neck protector consists of three elements. Side elements are permanently attached to the protector, while front element is detachable or can be folded.

»»» OPTION OF EQUIPMENT #3

Front, Back, Side, Shoulder, Neck and Groin Protection

Protection Area: 62.5-67 dm²

Vary depending on bulletproof vest size.

- Removable ballistic groin protector.

OPTIONAL ACCESSORIES

- Removable ballistic hip protectors.
- Removable ballistic lower back protector.
- Rifle mag, pistol mag, grenade, medical and other pouches.

PANTSYR' 3-95M



»» OPTION OF EQUIPMENT #1 PLATE CARRIER WITH HARD ARMOUR PLATES

Front and Back Protection

Protection Area: 15-18 dm²

Vary depending on bulletproof vest size.

- Shoulder adjustment.
- Side adjustment.
- Outer plate pocket for hard armour plate on the front and back.
- Interior padding for long-wear comfort.



»» OPTION OF EQUIPMENT #2 WITH SOFT ARMOUR PANELS

Front, Back, Neck and Groin Protection

Protection Area: 44-47.5 dm²

Vary depending on bulletproof vest size.

- Removable ballistic neck protector.
- Removable ballistic groin protector.



- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: Twaron para-aramid or UHMWPE.
- Soft armour panels are sealed inside a waterproof case.
- Internal plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" or 10" x 14" plates.
- MOLLE webbing throughout the vest.
- Outer cover is made from polyester and polyamide fabrics of our own production.

OPTIONAL ACCESSORIES

- Rifle mag, pistol mag, grenade, medical and other pouches.

PANTSYR'-RAID

- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: Twaron para-aramid or UHMWPE.
- Soft armour panels are sealed inside a waterproof case.
- Internal plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" or 10" x 14" plates.
- MOLLE webbing throughout the vest.
- Outer cover is made from polyester and polyamide fabrics of our own production.



»» OPTION OF EQUIPMENT #1 PLATE CARRIER WITH HARD ARMOUR PLATES

Front and Back Protection

Protection Area: 15-18 dm²

Vary depending on bulletproof vest size.

- Shoulder adjustment. Shoulder straps are foam padded for greater comfort during wearing.
- Fastening and adjustment by size at the waist is implemented by straps with plastic buckles.
- Pouches for six rifle magazines.
- Side pouches with a zipper.
- Side pouches are non-removable on the top, but can be detached from the bottom to allow fastening and adjustment of the vest at the waist.
- Side pouches can be supplemented with hard armour plates.
- Pouch for documents.
- ID panel in the back.
- Continuous ventilation of body heat is implemented by 3D mesh fabric or by volumetric damping stripes located in the inner surface of the bulletproof vest.

»» OPTION OF EQUIPMENT #2 WITH SOFT ARMOUR PANELS

Front and Back Protection

Protection Area: 27-30 dm²

Vary depending on bulletproof vest size.

- Soft armour panels and additional hard armour plates are inserted to internal pockets.

OPTIONAL ACCESSORIES

- Rifle mag, pistol mag, grenade, medical and other pouches.

CORSAIR M3MP

Modular body armour system.

Designed for both military and special mission units.

Various options of equipment.

- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: Twaron para-aramid or UHMWPE.
- Soft armour panels are sealed inside a waterproof case.
- Internal plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" plates.
- MOLLE webbing throughout the vest.
- Outer cover is made from polyester and polyamide fabrics of our own production.
- Identification panel on front and back.



»» OPTION OF EQUIPMENT #1

Front and Back Protection

Protection Area: 33 dm²

- Shoulder fastening and adjustment system provides enhanced fixation.
- Side fastening and adjustment at the waist by buckles made from impact resistant plastic.
- "Man down" drag handle for quick evacuation.
- Continuous ventilation of body heat is implemented by 3D mesh fabric located on the inner surface of the bulletproof vest. Internal plate pockets for soft armour panels with zip fasteners.

»» OPTION OF EQUIPMENT #2

Front, Back and Side Protection

Protection Area: 43 dm²

- Side protection with soft armour panels and can be supplemented with hard armour plates.
- Side protection is attached on the back by means of the MOLLE webbing system.
- Side protection has double fixation and additionally covered on the front.



»» OPTION OF EQUIPMENT #3

Front, Back, Side, Neck and Groin Protection
Protection Area: 52 dm²

- Removable neck protector consists of two elements.
- Removable groin protector.

»» OPTION OF EQUIPMENT #4

Front, Back, Side, Neck, Groin, Shoulder and Arm Protection
Protection Area: 66 dm²

- Removable shoulder protectors.

»» OPTION OF EQUIPMENT #5

Front, Back, Side, Neck, Groin, Shoulder and Arm Protection
Modular Load Bearing Belt with Harness – Hip and Lower Back Protection
Protection Area: 104 dm²

- Modular load bearing belt with harness has “Man Down” drag handle for quick evacuation.

OPTIONAL ACCESSORIES

- Rifle mag, pistol mag, grenade, medical and other pouches.

CORSAIR F

NIJ Level

IIIA – III+

Front and Back Protection**Protection Area:** 40 dm²**Weight:** 6.8 kg

- Internal plate pockets for soft armour panels (NIJ Level 0101.06 - IIIA).
- Material of soft armour panel: Twaron para-aramid or UHMWPE.
- Soft armour panels are sealed inside a waterproof case.
- Internal plate pockets for hard armour plates (NIJ Level 0101.06 - III+).
- Hard armour plate pockets accommodate 10" x 12" or 10" x 14" plates.
- MOLLE webbing throughout the vest.
- Outer cover is made from polyester and polyamide fabrics of our own production.



- Fastening and adjustment in the shoulders by buckles made from impact resistant plastic. Shoulder area has damping pads for greater comfort during wearing.
- Side adjustment.
- Quick release capability with strap quick release system.
- Adjustment at the waist by elastic belt.
- Continuous ventilation of body heat is implemented by 3D mesh fabric on the inner surface of the bulletproof vest.
- Eyelets for quick water and moisture removal.
- Supplemented with pouches for six M16F1/M653/M4 magazines and four M14 magazines.
- "Man down" drag handle for quick evacuation.
- Transport bag.



CORSAIR-SHTURM

**Enhanced ergonomics of soft armour panels.
Original side protection attachment.**

- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: Twaron para-aramid or UHMWPE.
- Soft armour panels are sealed inside a waterproof case.
- Internal plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" or 10" x 14" plates.
- MOLLE webbing throughout the vest.
- Outer cover is made from polyester and polyamide fabrics of our own production.



» OPTION OF EQUIPMENT #1

Front, Back and Side Protection

Protection Area: 53-59 dm²

Vary depending on bulletproof vest size.

- Adjustable shoulders provides secure fixation.
- Removable ballistic side protection.
- Side protection can be supplemented with soft armour panels or hard armour plates (NIJ Level III – IV).
- Side protection is fixed by loop fasteners on the front.
- Side protection consists of two parts that are connected by elastic cord by means of MOLLE webbing.
- Combined side protection is closed by loop fastener on the back.
- Soft armour panels have a specific shape to strengthen torso protection.
- "Man down" drag handle.

» OPTION OF EQUIPMENT #2

Front, Back, Side, Neck and Groin Protection

Protection Area: 65.5-73 dm²

Vary depending on bulletproof vest size.

- Removable ballistic neck protector.
- Removable ballistic groin protector.

OPTIONAL ACCESSORIES

- Removable ballistic hip protectors.
- Removable ballistic lower back protector.
- Rifle mag, pistol mag, grenade, medical and other pouches.

CORSAIR MPL

Designed for Coast security, Marines and Navy.

Provides a greater comfort in water due to its buoyance features.



Front, Back and Collar Protection

Protection Area: 52.7 dm²

Weight: 4.9 kg

- Eyelets for quick water removal.
- Shoulder adjustment.
- Adjustment by size at the waist.
- Additional side protection can be added optionally.
- Collar is secured on the back and additionally fastened by buckles on the front. It has pocket for soft armour panels and buoyancy elements.
- Continuous ventilation of body heat and rapid evaporation of sweat and moisture is implemented by volumetric damping stripes.
- "Man down" drag handle.

- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: UHMWPE.
- Soft armour panels are sealed inside a waterproof case together with buoyancy element.
- Waterproof case is made from neoprene.
- Outer cover is made from polyamide fabrics with waterproof polyurethane coating of our own production.
- External plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" plates.





CORSAIR MT

Protection Area: 45 dm²
Front and Back Protection



CORSAIR MT was designed based on experience gained through the participation of Ukrainian forces in military operations recently. It is intended to protect combat vehicle tank crew against shell fragments and 9mm calibre bullets as well as to provide protection from exposure to high temperatures and flame.

**Fragmentation resistance V50 test
conducted using Fragment Simulation
Projectiles (fragment weight – 1.1 gram) – mini-
mum fragment velocity 600 m/s.**

Outer cover of the bulletproof vest is made from flame-resistant meta-aramid material Conex with ignition temperature – 610C. Unique features of Conex, specifically, its heat- and flame-resistance, are set on molecular level and as a result do not change and remain to be stable during the whole term of use. Conex provides the protection from 2nd and 3rd degree burns due to its self-extinguishing. Under the influence of high temperatures, Conex becomes denser and forms charred surface that continues to provide excellent isolation of skin. Conex does not melt or form stains, has low conductivity and is antistatic. Material structure provides high tensile strength and enhanced abrasion resistance.



- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: Twaron Para-aramid.
- Soft armour panels are sealed inside a waterproof case.
- External plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" plates.
- Maximal protection of the torso with a focus on waist and sides is reached due to complicated configuration of the bulletproof vest.
- Shoulder adjustment.
- Adjustment by size at the waist.
- Double "man down" drag handle for quick evacuation.

LOAD-BEARING SYSTEM



CONSIST OF THREE ELEMENTS

CHEST RIG WITH MOLLE SYSTEM

- Ergonomic chest-carrier with MOLLE webbing coverage.
- External material: high-strength polyamide fabrics of our own production.
- Internal material: mesh fabric.
- Large pocket accessible by zipper.
- Fastening and adjustment by plastic buckles.

HARNESS WITH MOLLE SYSTEM

- Padded shoulder straps to distribute heavy load weight.
- Length-adjustable snap-straps for belt-integration.
- "Man Down" drag handle.

LOAD-BEARING BELT

- Padded all around the perimeter for enhanced comfort.
- Can be supplemented with soft armour panels.
- Integrated MOLLE webbing for pouches and accessories.
- Helps to distribute the weight more evenly across the body.
- Four D-Ring attachment points for harness.



TACTICAL VESTS

MODEL 1

- Lightweight breathable mesh vest.
- Strong front zipper.
- Quick donning and release of the vest.
- 10 pouches for various purposes.



MODEL 2

- Lightweight breathable mesh vest.
- Pouches for 8 rifle magazines, 2 grenade pouches and 2 utility pouches on the front.
- MOLLE webbing straps on the back for attaching MOLLE pouches.



ANTI-RIOT GEAR SYSTEM "SHIELD"



Designed to protect from blunt force trauma, cold weapon and impact energy up to 20 J. It is effective and reliable suite for riot control, domestic disturbance, cell extraction or other tactical situation.

Protection Area: 75.2 dm²

Weight: 6.8±0.1 kg

Protective elements can be used separately.

» UPPER BODY AND SHOULDER PROTECTION

Front, Back and Shoulder Protection

Protection Area: 40 dm²

Weight: 4.2±0.1 kg

- Front, back and shoulder metal panels and padded inserts are attached for protection against cold weapon.
- Utility pockets on the front.
- Removable shoulder protectors with metal panels made from aluminium alloy. Metal panels consist of three connected movable elements.

» FOREARM PROTECTOR

Protection Area: 8.8 dm²

Weight: 0.4±0.05 kg

- Two connected elements: forearm protection from wrist to elbow and from shoulder to elbow.
- Fastening and adjustment by elastic straps.
- Attached to the upper body protection in the shoulder area.

» THIGH AND GROIN PROTECTOR

Protection Area: 7.4 dm²

Weight: 0.7±0.1 kg

- Shorts with integrated belt.
- Side zippers for quick donning and release of the shorts over the uniform.
- Padded panels and shockproof elements are inserted for groin and thigh protection.
- Tailbone area protection is enhanced by padded inserts.

» KNEE AND SHIN GUARDS

Protection Area: 19 dm²

Weight: 0.55±0.05 kg

- Protection of ankle joint, tibia and knee-joint.
- Adjustable straps give a secure fit.

MODULAR TACTICAL SYSTEM “CORSAIR M3M”

Protection Area: 228. 5 dm²
Weight: 8.4 kg

»»FRONT AND BACK PROTECTION

Modular tactical body armour system
“CORSAIR M3M”
NIJ Level: IIA – IIIA
Protection Area: 44 dm²
Weight: 1.7 kg

»»NECK BALLISTIC PROTECTOR

Fragment - 1.1 g, V50 – 570 m/s
Protection Area: 5 dm²
Weight: 0.075 kg

»»BALLISTIC BELT

Modular ballistic belt protection can be complemented with groin, side, lower back and hip ballistic protectors.

NIJ Level: IIA – IIIA
Protection Area: 11.5 dm²
Weight: 0.43 kg

Ballistic Groin Protector
NIJ Level: IIA – IIIA
Protection Area: 8 dm²
Weight: 0.3 kg

Ballistic Lower Back Protector
NIJ Level: IIA – IIIA
Protection Area: 9 dm²
Weight: 0.13 kg

Ballistic Hip Protector
Fragment - 1.1 g, V50 – 370 m/s
Protection Area: 11 dm²
Weight: 0.16 kg

»»ARM BALLISTIC PROTECTOR

Consist of:

Ballistic Shoulder Protector
NIJ Level: IIA – IIIA
Protection Area: 11 dm²
Weight: 0.16 kg

Forearm from Wrist to Elbow Protector
Fragment - 1.1 g, V50 – 370 m/s
Protection Area: 27 dm²
Weight: 0.4 kg

From Shoulder to Elbow Protector
NIJ Level: IIA – IIIA
Protection Area: 19 dm²
Weight: 0.28 kg

»»LEG BALLISTIC PROTECTOR

Consist of:

Ballistic Thigh Protector
Fragment - 1.1 g, V50 – 370 m/s
Protection Area: 38 dm²
Weight: 0.56 kg

Ballistic Knee Protector
Fragment - 1.1 g, V50 – 370 m/s
Protection Area: 10 dm²
Weight: 0.15 kg

Ballistic Tibia Protector
Fragment - 1.1 g, V50 – 370 m/s
Protection Area: 35 dm²
Weight: 0.52 kg



- Designed for special mission units. The system is intended to provide equal or increased levels of protection against small arms and fragmenting threats.
- Ergonomic fit due to mobile connections between system elements.
- Elements can be used separately depending on threat level and mission requirements.
- Soft armour panels (NIJ Level IIA – IIIA) can be supplemented with hard armour plates (NIJ Level III-IV) to enhance protection level.
- MOLLE webbing system.

CONEX COMBAT VEHICLE CREWMAN COVERALL

Designed for military personnel and crews of infantry fighting vehicle, armored personnel carrier, tank, self-propelled artillery and other combat vehicle to provide protection from exposure to high temperatures and flame. Can be used in combination with the bulletproof vest "CORSAIR MT" to protect against shell fragments and 9mm calibre bullets.

**Made from flame-resistant meta-aramid material
Conex with ignition temperature – 610C.**

- Zip up front closure.
- Stand or turndown collar.
- Two chest pockets, two sleeve pockets, two thigh pockets.
- Adjustment at the waist.
- Reinforced knees and elbows to prevent injuries while working in combat vehicle.
- Seams are doubled to enhance the strength.
- "Man down" drag handle for quick evacuation from combat vehicle. Drag handle is located inside the suit and can be extracted if necessary.
- Elastic and zipper adjustable sleeves and ankles.
- Break away back by zip-fastener. Can be unzipped by one hand.



CUT RESISTANT SUIT

- Designed for antiterrorist and special mission units.
- Outer layer is made from high-strength polyamide fabric of our own production woven with tungsten wire.
- The hardness and density of tungsten ensure excellent cut and slash protection.
- Internal layer is made from cotton knitted fabric.
- Two-layer construction prevents against rubbing and enhance hygroscopic and breathability features.

»» JACKET WITH HOOD

- Protects torso, arms, neck and head from cuts and slashes.

»» BALACLAVA MASK

- Three holes for eyes and mouth.

»» TROUSERS

- Adjustment at the waist. Two additional straps to hold the trousers on shoulders.

»» GLOVES AND ARM GUARDS

- Worn tight around the forearm.



BOMB DISPOSAL SUIT KS-1 MODEL 1



Protection Area: 227-242 dm²

Vary depending on bomb disposal suit size.

Weight: 25-30 kg

Vary depending on bomb disposal suit size.

Protection up to Velocity – 570 m/s, Fragment – 1.1 g

Reinforced Protection Area: 23 dm²

Protection From: F1 Grenade on distance up to 1 m, OZM-72 Landmine on distance up to 5 m

- Protects against shock waves, fragmentation, heat, fire and much more.
- KS-1 Model 1 was accepted by The Ministry of Defence of Ukraine and currently in service in The Ministry of Internal Affairs of Ukraine and The Armed Forces of Ukraine.
- Certificate of acceptance by Ministry of Defence of Ukraine – A330J.
- External material: flame-resistant meta-aramid material Conex of our own production with antistatic coating.
- Transport bag.

OPTIONAL ACCESSORIES

- VOX communication system (two-way radio).
- Telescopic manipulator (2.7 m) to maximise standoff distance provides remote handling capabilities (3-5 kg).
- Cooling system for the suit.
- Helmet cooling fan.

»» MAIN PARTS

Helmet with Air Cooling System

- Head protection.
- Cooling fan is integrated in the helmet to blow cooling air onto the visor with a purpose to prevent it from misting.
- Cooling of face and neck.
- Additional polycarbonate backing.

Armoured Glass

- Face protection is mounted on the armoured metal panel inserted in external front pocket.
- Armoured metal is made from strong aluminium alloy and provides integral head, neck and chest protection.
- Armoured glass size: 250 x 250 mm. Protects from TT pistol from the distance of 5 m.

Jacket

- All-round front and back protection.
- Reinforced neck protection provided by high collar.
- Overlaid reinforced front protection (from head to groin). Protects against the explosion impact of F1 grenade and OZM-72 landmine.
- Design provides ability to remove jacket with one hand.
- Jacket opens fully on the left side.



Additional Pockets

- 7 utility pockets.

Body Cooling System

- Cooling suit circulates iced water around the entire body to remove body heat.
- Removable cooling unit is compact and located in the pack on the back of the suit.

Trousers

- All-round leg protection (from foot to waist).
- Fixation at the waist and by adjusting suspenders.
- Zipper on the rear side.
- Protective leather panel in the knee area.

Protective Boot System

- Shoe sole is made from current collector rubber.

BOMB DISPOSAL SUIT KS-1 MODEL 2

Protection Area: 133-145 dm²

Vary depending on bomb disposal suit size.

Weight: 20-23 kg

Vary depending on bomb disposal suit size.

Protection up to Velocity – 540 m/s, Fragment – 1.1 g

Reinforced Protection Area: 20 dm²

Protection From: MON-50 Mine on distance up to 10 m, PMN-2 Mine on distance up to 1 m

- Protects against shock waves and heat.
- External material: flame-resistant meta-aramid material Conex of our own production with antistatic coating.
- Transport bag.

» MAIN PARTS

Helmet with Visor

- Suit is equipped with ballistic helmet.
- Removable visor is made from polycarbonate plastic.
- Protect against fragment 1.1 g with velocity 420 m/s.

Jacket

- Front, back, side and neck protection.
- Apron protects upper body and knees.
- Supplemented with reinforced steel protection in the front, back, neck and groin area. Protects from TT pistol.

Arm Protection

- Removable arm protection.

Knee Protection

- Ballistic panels with leather covering in the knee area.
- Static electricity removal system.



BOMB DISPOSAL SUIT KS-1 MODEL 3

Protection Area: 99 dm²

Vary depending on bomb disposal suit size.

Weight: 10.5 kg

Vary depending on bomb disposal suit size.

- Internal plate pockets for soft armour panels (NIJ Level IIA – IIIA).
- Material of soft armour panel: Twaron para-aramid.
- Soft armour panels are sealed inside a water-proof case.
- External plate pockets for hard armour plates (NIJ Level III – IV).
- Hard armour plate pockets accommodate 10" x 12" or 10" x 14" plates.
- MOLLE webbing throughout the vest.
- External material: flame-resistant meta-aramid material Conex of our own production with antistatic coating.
- Transport bag.



»» Front, Back and Side Protection

Protection Area: 46.5 dm²

- External back and front pockets for hard armour plates.
- Removable side protection.

Removable Neck Protector

Protection Area: 22 dm²

Removable Groin Protector

Protection Area: 12 dm²

- Groin protection can be supplemented with hard armour plate.

Removable Shoulder Protectors

Protection Area: 18.5 dm²

BOMB BLANKET PK-1



Inner Diameter: 800±50 mm

External Diameter: 900±50 mm

Ring Height: 600±50 mm

Weight: 17 kg

Size: 2600 x 1200 mm

Folded by Width: 1300 x 1200 mm

Folded by Length: 2600 x 600 mm

Size of Additional Ballistic Cover: 1500 x 1500 mm

Weight of Additional Cover: 6.5 kg



- Bomb / Fragmentation Suppression Blanket PK-1 protects against RGO hand grenade that contains 200g explosive charge (TNT).
- Fully assembled blanket protects against 740 m/s fragments.
- External material: flame-resistant meta-aramid material Conex of our own production.
- Loop handles on corners for ease of deployment, placement and adjustment.
- Straps with loop fasteners all around the perimeter.
- By folding to the ring, it overlaps and adjusts by loop fastener.
- Warning signs "explosives" (orange colour).

FRAGMENT PROTECTION APRON

NIJ Level: II

Protection up to Velocity – 540 m/s, Fragment – 1.1 g

Weight: 5 kg

Size: 1.2 x 0.55 m

- Designed for demining and to provide the maximum possible protection against fragments and explosions from detonating anti-personnel mines.
- Used in conjunction with ballistic "Helmet 1M", which has visor made from polycarbonate glass.
- External material: flame-resistant meta-aramid material Conex of our own production.
- Pocket on the front.
- Adjustment at the waist.
- Transport bag.



BALLISTIC SHIELD BZS-75-2A

MODEL 1

State Standards of Ukraine DSTU: 3 (+2) / 4 (+2)

Protection Area of Hard Armour Plate: 38 dm²

Protection Area of Soft Armour Panel: 20 dm²

Ballistic Material: Steel

Weight: 16.5±2 kg / 25±2 kg

- Height – 1200 mm, width – 500 mm.
- View port made from bulletproof glass. Height – 250 mm, width – 70 mm, thickness – 50 mm.
- Soft armour panels are attached to the hard armour protection on the bottom.
- Stationary trapezoidal handle.
- Harness system to hold the shield on the torso and provide hands-free capability.
- Harness system can be adjusted by size and height.
- Helps to distribute the weight more evenly across the body to eliminate fatigue.
- Suspension system allows quick release of the shield.
- Single-hand use capability for handgun usage.



BALLISTIC SHIELD BZS-75-2A

MODEL 2

State Standards of Ukraine DSTU:

- Hard armour plate – 6 class of protection
- Soft armour panel – 2 class of protection

Protection Area of Hard Armour Plate: 17.8 dm²

Protection Area of Soft Armour Panel: 11.3 dm²

Weight: 10.5±0.5 kg

Material of hard armour plate: Ceramic / Silicone Carbide SiC or Aluminium Oxide Al₂O₃

Material of soft armour panel: Ultra High Molecular Weight Polyethylene

Material of outer cover: high-strength polyamide fabrics of our own production

- Height – 810 mm, width – 400 mm.
- Padding beneath handle to improve comfort.
- Decals can be added to the cover.
- Harness system to hold the shield on the torso and provide hands-free capability.
- Harness system can be adjusted by size and height.
- Helps to distribute the weight more evenly across the body to eliminate fatigue.
- Suspension system allows quick release of the shield.
- Single-hand use capability for handgun usage.
- Can be supplemented with video surveillance kit.



BALLISTIC SHIELD BZS-75-1

NIJ Level: III – IV

Protection Area: 22 dm²

Ballistic Material: Steel / Ceramic

Weight: 8±0.5 kg / 10.5±0.5 kg

- Height – 400 mm, width – 600 mm.
- Stationary handle.
- Straps for single-handed use.
- Padding beneath handle to improve comfort.
- Fabric cover. Outershell colour selection available upon request.
- Decals can be added to the cover.
- Transport bag.



BALLISTIC SHIELD BZS-75-3

State Standards of Ukraine DSTU: 4

Protection Area: 85 dm²

Ballistic Material: Steel

Weight: 45±2 kg

- Height – 1700 mm, width – 500 mm.
- View port made from bulletproof glass. Height – 250 mm, width – 70 mm, thickness – 50 mm.
- Trapezoidal handle.
- Trolley mounted.
- Fabric cover. Outershell colour selection available upon request.
- Decals can be added to the cover.
- Transport bag.



ACCESSORIES

MOLLE COMPATIBLE



Triple Rifle Mag Pouch



Single Buckle
Radio Pouch



Double Rifle Mag Pouch



Single/Double
Rifle Mag Pouch



Grenade Pouch



Zipper Utility Pouch



Bullet Pouch



Handcuff Pouch



Bullet Pouch



Medical Pouch



Flash Light Pouch

Gear Bag



Hydration Pouch



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