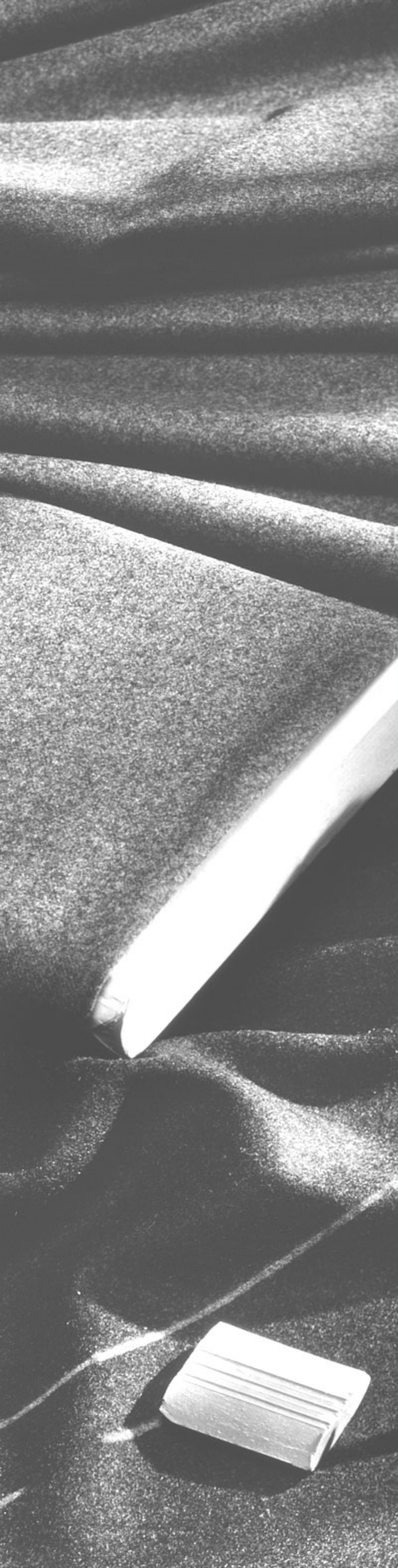


# DOKDO SAFE

Safety Vests Catalog





“

## **DOKDO SAFE**

We offer all levels of protection based on NIJ Standards 0101.06, 0115.00, 0108.01 etc.

All our products have been tested by the H. P. White Laboratory or NTS Chesapeake.

Currently we are focusing on developing new products that would move the protective body armor further by incorporating IoT into bullet proof and stab proof vests, in order to increase the wearer's safety be it a soldier, police officer, security guard or civilian.

”

# BULLET- PROOF VEST

- | Concealed Vest
- | Basic Bullet-proof Vest IIIA
- | Multi-purpose Bullet-proof Vest
- | Bullet-proof Vest with MOLLE Webbing



# CONCEALED VEST

“  
T-SHIRT STYLE  
BULLET-PROOF  
PROTECTION FOR  
UNDERCOVER  
OPERATIONS  
”



## BALLISTIC PERFORMANCE

Level IIIA (NIJ 0101.06)

## MATERIAL

Carrier : nylon-span (black or white other colors available upon request)  
Panels : Aramid UD, waterproof cover

## FEATURES

T-shirt style possible to wear under the clothing. Suitable for secret operations or when visiting dangerous areas. The vest is light and offers protection against handguns with .44 Magnum, 357 Sigma or 9mm caliber. The panels are also available as dual (bullet and stab proof) protection.



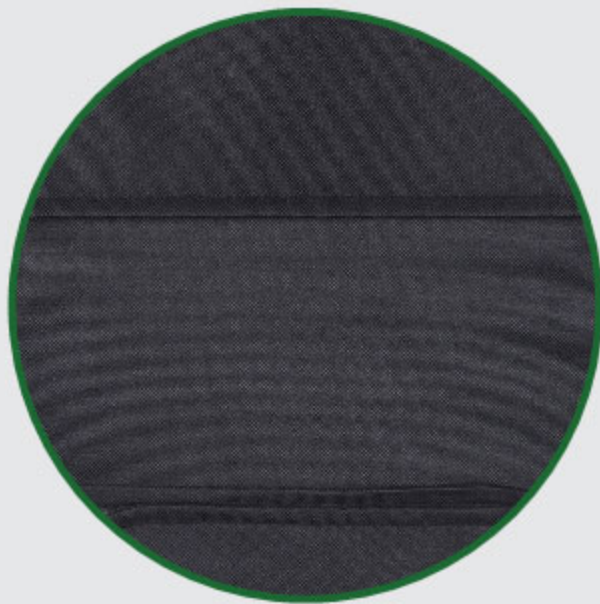
**\*Set includes concealed carrier with front and back panels**  
**\*Upgrade available: anti-stab or dual panels (extra cost)**

# BASIC BULLET-PROOF VEST IIIA

“

BASIC BULLET-PROOF VEST WITH POCKETS FOR UPGRADE PLATES

”



## BALLISTIC PERFORMANCE

Level IIIA (NIJ 0101.06)

## MATERIAL

**Carrier :** Water-proof polyester fabric, color black  
**Panels :** UHMW-PE (Ultra High Molecular Weight Polyethylene)

## FEATURES

Basic simple style which offers all around protection against handguns with .44 Magnum, 357 Sigma or 9mm caliber. Size is adjustable on the sides and shoulders with Velcro.

Vest offers front and back pocket for a ballistic plate and can be upgraded to protect from higher calibers and armor piercing bullets according to the user's needs.



\*Basic set includes the carrier with front and back panels.

\*Upgraded set includes carrier with front and back panels and two level IV plates.



**MULTI-  
PURPOSE BULLET-  
PROOF VEST**



**BALLISTIC PERFORMANCE**

Level IIIA (NIJ 0101.06)

**MATERIAL**

**Carrier** : high quality material cotton with camouflage pattern and waterproof coating

**Panel** : combination of high quality materials (aramid, PEUD)

**DESCRIPTION**

Multi-purpose vest is equipped with MOLLE webbing attachment system for variety of pouches. On the back of the vest are buckles for a safe attachment of backpack to the vest. The vest also features front and back pocket for upgrade plates.

**\*Basic set includes the carrier with front and back panels as well as neck protection.**

**\*Upgraded set includes carrier with front and back panels and two level IV plates.**



# BULLET-PROOF VEST WITH MOLLE WEBBING

“

MOLLE WEBBING  
ALLOWS  
ATTACHMENT OF  
POCKETS AND  
ADDITIONAL  
EQUIPMENT



”



## BALLISTIC PERFORMANCE

Level IIIA (NIJ 0101.06)

## MATERIAL

Carrier : Cordura nylon  
Level IIIA panel : UHMW-PE (Ultra High Molecular Weight Poly Ethylene)

## FEATURES

The carrier is made of best grade Cordura nylon material with waterproof coating. Design includes upgrade plates pockets, front and back, for ballistic plates. The sides are adjustable with Velcro straps for comfortable wearing. MOLLE webbing allows attachment of pockets and additional equipment



\*Basic set includes the carrier with front and back panels.  
\*Upgraded set includes carrier with front and back panels and two level IV plates.

# BULLET-PROOF VEST

# BOUYANT VEST 부력방탄복



**라이프자켓과 동일한  
부력성능으로 선박 및  
해상용으로 매우 적합**

2.4kgs

**기존의 부력방탄복  
대비 매우 가벼우며  
부피도 작고 편안함**



**BALLISTIC PERFORMANCE**

Level IIIA (NIJ 0101.06)

**MATERIAL**

Carrier : Water-proof polyester fabric, color black  
Level IIIA panel : UHMW-PE (Ultra High Molecular Weight Poly Ethylene)

**FEATURES**

Basic simple style which offers all around protection against handguns with .44 Magnum, 357 Sigma or 9mm caliber. Size is adjustable on the sides and shoulders with Velcro.

Vest offers front and back pocket for a ballistic plate and can be upgraded to protect from higher calibers and armor piercing bullets according to the user's needs.



\*Basic set includes the carrier with front and back panels.

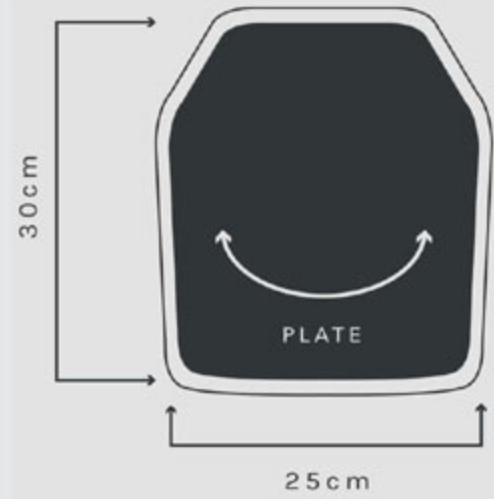
\*Upgraded set includes carrier with front and back panels and two level IV plates.

# BALLISTIC PLATE CARRIER

- | Bullet-proof Plate
- | Ultra Light Plate Carrier
- | Tactical Front Carrier



# BULLET-PROOF PLATE



### HARD ARMOR PLATE

**Material:** Ceramic Alu-PE

**Weight:** 2.75 kg per plate

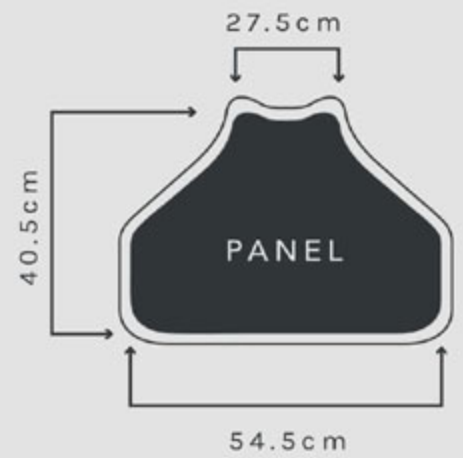
**Cut:** Single Curved SAPI

**Coverage area:** 25x30 cm per plate

**Thickness:** 2 cm

**Ballistic protection:** NIJ level IV

Standalone up to .30/06 Armor Piercing bullets 10.8 g (166 grains) at 878 m/s and all lesser threats



### SOFT TYPE PANEL

**Material:** Ultra High Molecular Weight Polyethylene

**Weight:** 1 kg per panel

**Coverage area:** 0.32 m<sup>2</sup> total

**Thickness:** 1.6 cm

**Ballistic protection:** NIJ Level IIIA up to .44 MAG SJHP 15.6 g (240 grains) at 435 m/s and all lesser threats

#### BALLISTIC PERFORMANCE

NIJ Level III (NIJ 0101.06) / CEREMIC LEVEL IV

#### MATERIAL

Plate : SiC ceramic + PE backing, covered with waterproof fabric

#### FEATURES

SAPI Style LEVEL III

Size : 250X300mm

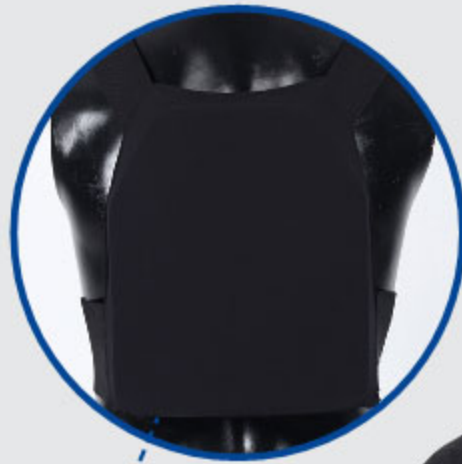
Thickness : 30mm

Weight : 1.3kg



# ULTRA LIGHT PLATE CARRIER

“  
ULTRA-LIGHT AND  
ADJUSTABLE  
PLATE CARRIER  
”



## BALLISTIC PERFORMANCE

NIJ Level III (NIJ 0101.06)

## MATERIAL

**Carrier** : nylon-span (black, other colors available upon request)  
**Plate** : SiC ceramic + PE backing, covered with waterproof fabric

## FEATURES

Ultra light and easy to store carrier with two pockets for level III stand-alone plates connected on shoulders by straps adjustable with Velcro and on the sides with a rubber band. This provides most possible adjustability in size.  
Carrier can be worn overtly on the clothing as well as covertly under a jacket.



**\*One set includes the carrier and two level III plates**  
**\*Can be sold separately**

# TACTICAL FRONT CARRIER

“  
 CARRIER FOR  
 STANDALONE  
 BALLISTIC PLATES  
 LEVEL III OR IV  
 ”



**BALLISTIC PERFORMANCE**

up to NIJ Level IV (NIJ 0101.06)

**MATERIAL**

Carrier : durable Cordura material with waterproof coating  
 Plate : Alumina ceramic + PE backing covered with waterproof fabric

**FEATURES**

Front carrier for stand-alone plate includes MOLLE webbing, an attachment system, for variety of pouches. The size of the carrier pocket is for standard sized plate (25x30 cm). The carrier size is fully adjustable.  
 Level IV ceramic plate can protect against various bullets up to armor piercing rifles.



\*Option for front and back plate pocket.  
 \*Basic set includes carrier and one level IV plate

# SAFETY VEST

- | Reflective Safety Vest
- | Security Guard Safety Vest



# REFLECTIVE SAFETY VEST

“  
ZIP-UP STYLE -  
FOR QUICK AND  
COMFORTABLE  
DRESSING

”



## MATERIAL

Durable polyester and reflective mesh

## FEATURES

High visibility of the wearer is ensured thanks to reflective mesh and several reflective tape stripes in front and back of the vest. Vest features chest pocket with window for carrying a cell-phone or other communication device as well as other smaller pockets for necessary equipment. Also included are pockets for front and back ballistic panel.



\*Optional ballistic protection (bullet-proof or stab-proof protection).

\*This product is a sample and can't be sold to non-governmental institutions.

# SECURITY GUARD SAFETY VEST

“

INCLUDES  
POCKETS  
FOR VARIOUS  
EQUIPMENT

”



## MATERIAL

Nylon

## FEATURES

Breathable mesh of the carrier makes the vest comfortable even in a hot climate. The shoulder straps are adjustable with Velcro and the size can be fitted according to person's body type. Adjusting can be done also on the sides with an easy to use sliding system.

Vest features secret front pocket for ballistic panel as well.



**\*Optional ballistic protection (bullet-proof or stab-proof protection).**

# SPECIAL

- | Bullet-proof Jacket
- | Cut-resistant Shirt
- | Bullet-proof Backpack
- | Heated Vest
- | Bullet-proof Shield



# BULLET-PROOF JACKET

Our company research is not limited only to ballistic protection. In the era of technology we think that to ensure a person's safety other measures need to be taken as well. Therefore we are developing a line of protective clothing with integrated IoT technology, mainly in order to track a location and vital signals of a person wearing the clothing.

Our first product/prototype of this line is a protective jacket, with integrated GPS.

## BALLISTIC PERFORMANCE

Level IIIA (NIJ 0101.06)

## UPGRADE AVAILABLE

anti-stab or dual panels (extra cost),  
anti-stab protection available in level 1 or level 2 (NIJ 0115.00 STD)

## MATERIAL

**Jacket** : cordura with waterproof coating (black, other colors available)  
**Panels** : UHMWPE, waterproof cover





“

BULLET-PROOF  
JACKET THAT  
LOOKS LIKE A  
REGULAR JACKET

”



## DESCRIPTION

Bullet-proof jacket that looks like a regular jacket. Suitable for undercover work or when visiting dangerous areas.

Jacket includes front and back bullet-proof panels which can be on request changed to stab-proof panels or upgraded to dual - bullet and stab proof. Standard bullet-proof panels offer protection against handguns up to .44 Magnum or similar weapons. The cut and size of the panels ensure protection in front, back and on the sides.

Jacket is made in classy design and it's unrecognizable from a regular jacket. The material used is world class cordura which also offers anti cutting protection in addition to the ballistic protection.

**\*Set includes the jacket with front and back panels.**

# CUT-RESISTANT SHIRT

“  
LONG  
SLEEVE  
STYLE  
”



## MATERIAL

Cut-resistant material

## FEATURES

Long-sleeved shirt made out of cut resistant material in the front and on the sleeves enables the wearer to stop the attack with knife without getting hurt. Material contains span which makes the shirt comfortable to wear. Sleeves have a loop at the end which when hooked around the thumb can prevent sleeves from sliding up. Simple and classy design makes the shirt unrecognizable from regular sportswear and makes it highly suitable for undercover operations.



# BULLET-PROOF BACKPACK

“

BACKPACK  
THAT HAS  
YOUR BACK

”



## BALLISTIC PERFORMANCE

Level IIIA (NIJ 0101.06)

## MATERIAL

**Backpack :** Nylon with polyester lining, leather for details  
**Panel :** UHMW-PE (Ultra High Molecular Weight Poly Ethylene),  
waterproof cover

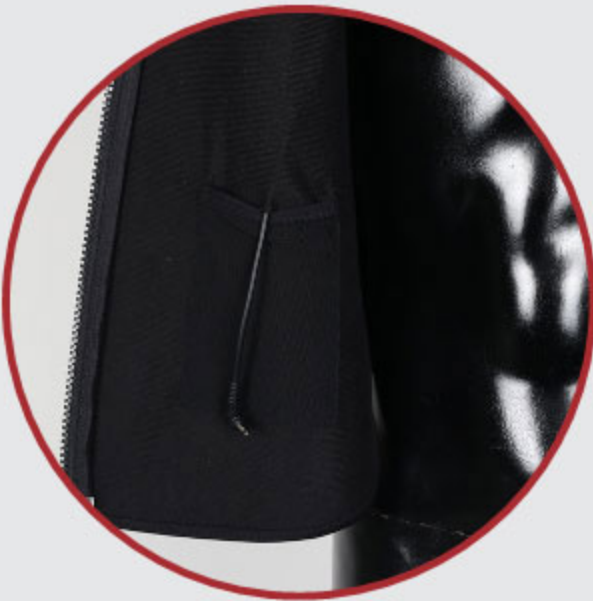
## FEATURES

Backpack in the latest style with a bullet-proof insert for protection when visiting dangerous areas. Trendy style with several pockets guarantees comfortable and practical use.



# HEATED VEST

“  
HEATING ELEMENT  
ON THE BACK OF  
THE VEST POWERED  
BY RE-CHARGEABLE  
BATTERY  
”



<b>MATERIAL</b>	Polyester
<b>DESCRIPTION</b>	Vest with a simple design features heating element powered with rechargeable battery. Side of the vest are made with stretchable material for easy size adjustment.



# BULLET-PROOF SHIELD



## BALLISTIC PERFORMANCE

Level IIIA (NIJ 0108.01)

## CHARACTERISTICS

Maximum Coverage Area : 60 x 80cm (5.4kgs)  
7 x 27cm Bulletproof Viewpoint, One-Handed Ergonomic Handle

## MATERIAL

Ultra High Molecular Weight-PE  
Protect Against : .45ACP, 9mm, .357 mag, .44 mag



# BULLET-PROOF PORTFOLIO



**위급시 펼쳐서 방패처럼 사용**  
**자동차 손잡이에 걸어서 사용**

## BALLISTIC PERFORMANCE

Level IIIA (NIJ 0108.01)

## CHARACTERISTICS

Maximum Coverage Area : 36cm x 97cm (5.6kgs)  
비상시 3단으로 변신, 자동차 등 창문에 걸어서도 사용 가능

## MATERIAL

Ultra High Molecular Weight-PE  
Protect Against : .45ACP, 9mm, .357 mag, .44 mag



# BULLET-PROOF FILM



단순히 FILM 부착만으로도 일반 유리의 강도가 최대 20배까지 강해집니다.  
방탄 성능을 위해서는 12mil 이상의 방탄필름과 접합방탄유리가 결합되어야  
하며 전문가의 시공이 요구됩니다.

8mil : IMPA Code 150821 / 선박용 권고 제품 (비산방지, 방범필름, 안전필름)



**MATERIAL**

PET (Nano Carbon Ceramic Technology)

**SPECIFICATIONS**

- SRF2 ( 2mil = 50micron = 0.05mm) 보급형 비산방지 필름
- SRF4 ( 4mil = 100micron = 0.1mm) 고급형 비산방지 필름
- SAF8 ( 8mil = 200micron = 0.2mm) 방범필름 / 안전필름
- BPF12 (12mil = 300micron = 0.3mm) 방탄필름 (전문가용)
- BPF18 (18mil = 450micron = 0.45mm) 방탄필름 (전문가용)

※ 방탄필름은 유리에 부착되어 방탄 성능이 발생되며 유리의 종류에 따라 필름의 종류도 달라지며 강도가 달라지며 방탄성능리포트 제공이 불가합니다.  
필히 전문가와 상의하시어 시공하시기 바랍니다.

# HELMET

- | MICH Helmet
- | PASGT Helmet
- | VISOR FOR Helmet



# VISOR FOR HELMET



Adjustable on the helmet  
with the head perimeter belt

After the test  
with .44 Magnum



## BALLISTIC PERFORMANCE

LEVEL IIIA (NIJ 0106.01)

## FEATURES

POLYCARBONATE COMPOSITE

130mm x 300mm

THICKNESS 22mm

WEIGHT 1.4kgs

The head perimeter belt can be adjustable on the helmet.

IIIA level visor can stop the bullets from up to .44 Magnum



# MICH HELMET

“  
LIGHTWEIGHT  
HELMET  
WITH A SIZE  
ADJUSTABLE  
DIAL  
”



## BALLISTIC PERFORMANCE

IIIA (HPW-TP-0401.01B) / **LEVEL III** NIJ STD 0108.01

## FEATURES

MICH (Modular Integrated Communications Helmet) provides ballistic, fragmentation, aural and impact protection. Thanks to Picatinny rail and shroud, the helmet is compatible with night vision, communications and Nuclear, Biological and Chemical (NBC) equipment. The MICH helmet can be configured to each specific group with or without the added equipment.

Adjustable dial helps to make the helmet comfortable for different head sizes.

Our helmets are tested according to HPW Standard. This is standard for ballistic helmet performance which includes level IIIA as well as lower levels. IIIA level helmet can stop bullets from up to .44 Magnum.



# PASGT HELMET

“  
SIMPLE  
HELMET FOR  
ANY TACTICAL  
OPERATION  
”



## BALLISTIC PERFORMANCE

IIIA (HPW-TP-0401.01B)

## FEATURES

PASGT (Personnel Armor System Ground Troops) helmet provides ballistic protection from fragmenting munitions to the head temple, ear and neck areas. The helmet shell is one piece composite structure made up of multiple levels of aramid fiber. Our helmets are tested according to HPW Standard (HPW-TP-0401.01B). This is standard for ballistic helmet performance which includes level IIIA as well as lower levels. IIIA level helmet can stop bullets form up to .44 Magnum.



## MATERIAL EXPLANATION

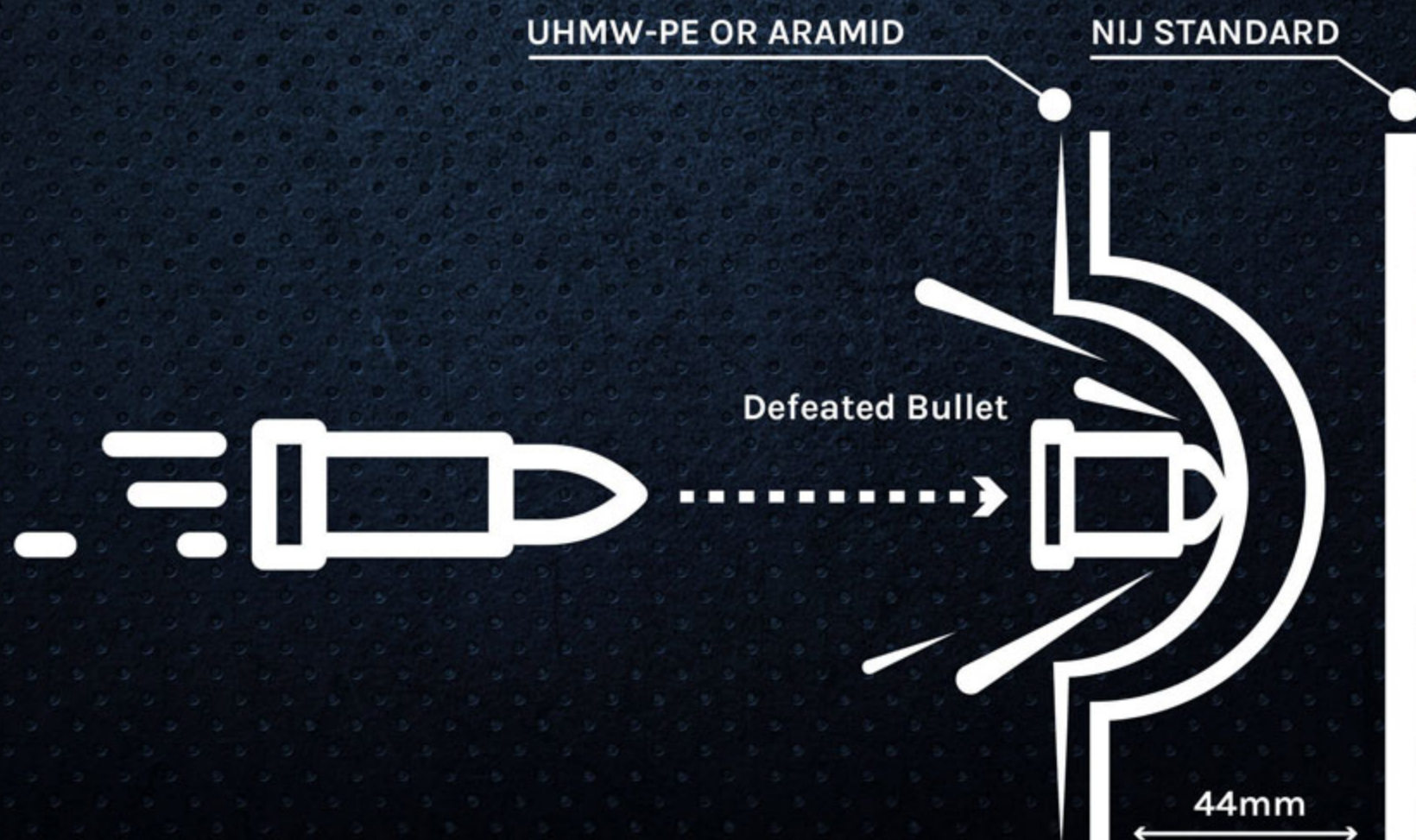
### UHMW-PE & DYNEEMA®

UHMW-PE is the most common utilized material used in body armor, the polyethylene fibers are lower in weight and offer higher ballistic resistance than kevlar but with a few short comings of its own.

UHMW-PE is weather resistant, the inherent decay of all fibers is significantly slower when exposed to water and air, it is also resistant to chemicals but it has a low melting point of only 130 degrees Celsius. The ballistic performance can degrade when exposed to temperatures over 90 degrees Celsius. UHMW-PE also has a higher back face deformation per sheet as opposed to aramid. Dyneema® is the most famous UHMW-PE brand and offers a longer shelf life at a lighter weight with improved performance.

### ARAMID & KEVLAR®

Aramid is made of the same material as Kevlar® and was the most widely used material for body armor, it still has its place, and certain qualities of aramid makes it better than UHMW-PE in specific situations. Aramid is generally stronger than UHWM-PE, the back face deformation is lower and it disperses energy better (less blunt trauma impact). Aramid is also inherently resistant to cuts, however, to make it stab-resistant additional layers of aramid must be added. With a melting point of 400 degrees Celsius, aramid is ideal for protection against contact shots when you wear the vest concealed. Aramid will decay faster when in contact with water and air, it is also susceptible to degradation from UV light. All our aramid panels are resin treated to become water resistant and they are encapsulated in water and UV resistant fabric to protect against degradation.



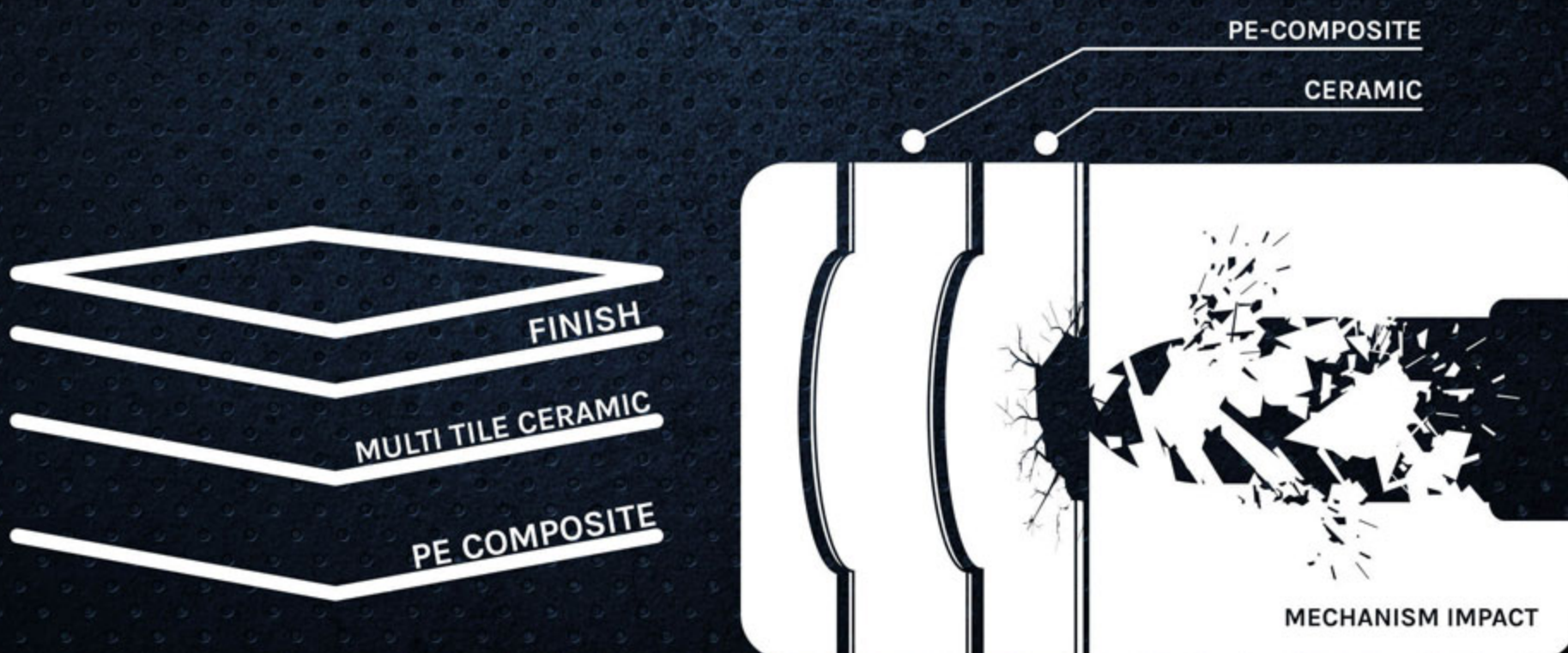
# MATERIAL EXPLANATION

## CERAMIC SIC-PE, ALU-PE AND PURE PE PLATES

Our hard armor plates are made with an outer shell of ceramic backed with a silicone-PE (polyethylene) composite. The main difference between Sic-PE and Alu-PE is weight, both the plates can be made to either level III or IV but there are significant extra costs in making the Sic-PE plates as they will reduce the weight by almost one kilogram. We also offer pure PE plates rated up to level III++ however they will add thickness to the plate and is known to be more unreliable than plates with ceramics.

Ceramic plates are the only type of plates that can be rated up to level IV, even steel plates need an outer ceramic shell to be rated to level IV. Ceramic plates have also completely taken over the market in terms of hard armor plates. Steel plates which was more frequently used previously are not being issued to armed forces and police due to their weight (our level III plate weighs 1.8kg, a branded level III steel plate weighs 3.6kg) and inherent dangers.

Steel plates do not lessen the impact at all, it will take the full impact force of the bullet while the bullet itself is prone to fragmentation and spalling which can hurt either yourself or your co-operators. Ceramic plates, whilst not true multi-hit capable to the same extent as a steel plate, will capture the bullets and fragments inside your plate and break its own tiles to reduce the impact. All our plates are multi-hit capable, we test them with 3-shots as opposed to the NIJ standard of only 1-shot.



# NIJ LEVELS OF PROTECTION

LEVELS	IIA	II	IIIA	III	IV
 <p><b>.9MM FMJ</b> 124g (8.0 gr) 373 m/s</p>					
 <p><b>.40 S&amp;W FMJ</b> 180g (11.7 gr) 352 m/s</p>					
 <p><b>.9MM FMJ</b> 8.0g (124 gr) 398 m/s</p>					
 <p><b>.357 SIG FMJ FN</b> 8.1g (125 gr) 448 m/s</p>					
 <p><b>.357 SIG FMJ FN</b> 8.1g (125 gr) 448 m/s</p>					
 <p><b>.44 MAGNUM SJHP</b> 15.6g (240 gr) 436 m/s</p>					
 <p><b>7.62 NATO FMJ</b> 9.6g (147 gr) 847 m/s</p>					
 <p><b>.30 CALIBER AP</b> 10.8g (166 gr) 878 m/s</p>					

FMJ: Full Metal Jacketed  
SJHP: Semi Jacketed Hollow Point

JSP: Jacketed Soft Point  
AP: Armor Piercing

RN: Round Nose



| DOKDO SAFE

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