



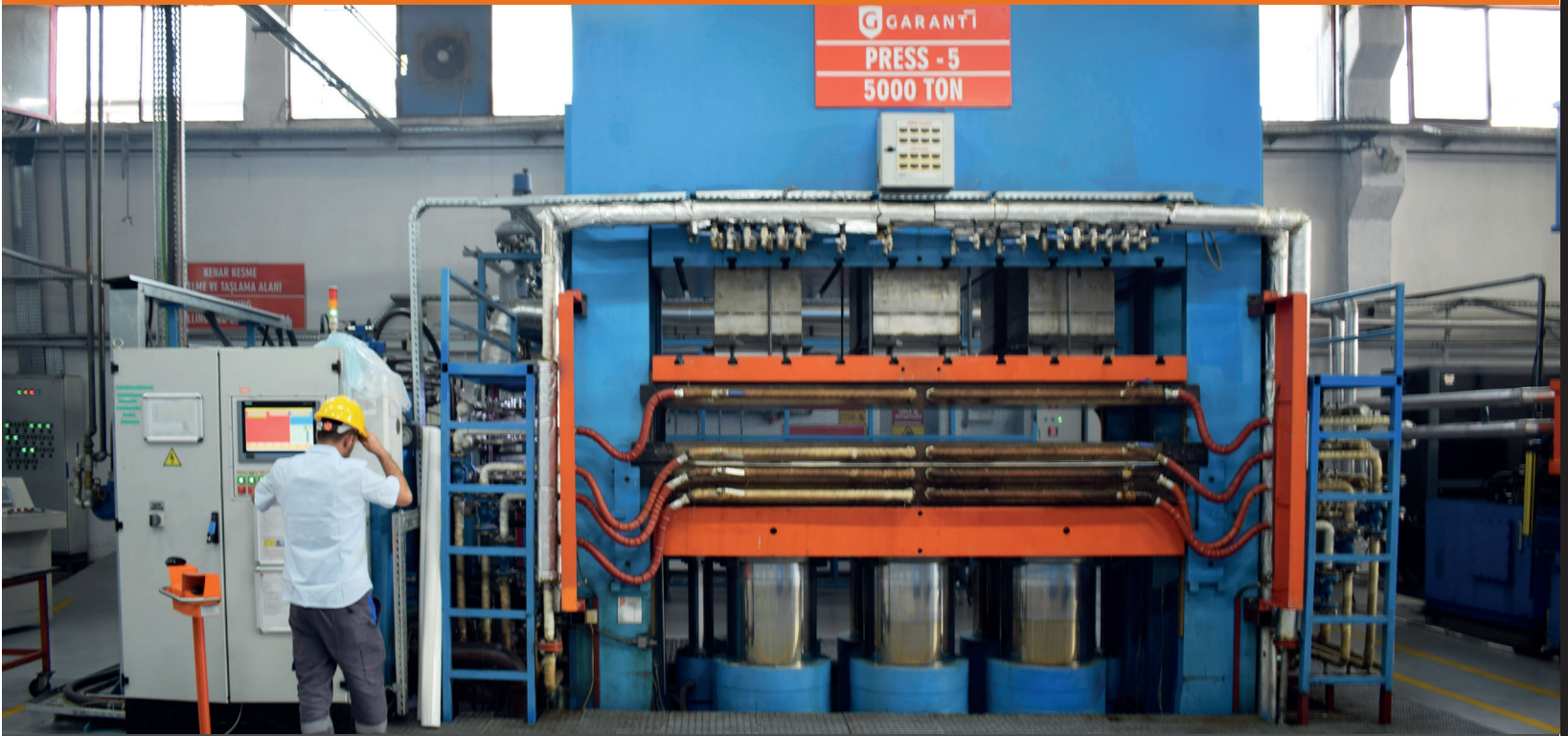
PRODUCT CATALOGUE
2025





ABOUT US

Garanti Giyim Kompozit Teknolojileri Sanayi ve Ticaret A.S. has been established in 2004 in Yozgat Organized Industrial Zone in order to manufacture functional outerwear, body armor and vehicle armor systems. As of today, we operate in our modern production facilities over 30.000 sqm covered area with 350 highly experienced personnel. We have been serving number of key accounts like Undersecretary of Defense, Turkish Armed Forces and General Directorate of Security as well as a lot of domestic and international customers.



COMPOSITE PRODUCTION INFRASTRUCTURE

COMPOSITE PRODUCTION

- Vertical Hot Pres
- Autoclave
- Membrane Molding
- Filament Winding

COMPUTER CONTROLLED AUXILIARY EQUIPMENT

- Laser Cutting
- Water Jet Cutting
- Automatic Fabric Cutting

PAINTING AND COATING LINES

- Composite Painting
- Polyurea Coating

CLEAN ROOM

COLD ROOM FOR PREPREG STORAGE ACCREDITED TEST FACILITIES

- Ballistic Test Lab
- Enviromental Test Lab
- Textile Test Lab

COMPOSITE PRODUCT RANGE

UNMANNED AIR VEHICLES AND COMPOSITE STRUCTURAL PARTS



- Unmanned Air Vehicles, Drones, Balloons,
- Command Control Equipment
- Launchers
- Body
- Horizontal And Vertical Stabilizer
- Wing/Blade / Rotor /Spindle / Hub / Flap
- Landing Equipment

WAR HEAD & DROP BOMB BODIES
LIGHT WEIGHTED SAFE TRANSPORT CASE
COMPOSITE MAST





UD POLYETHELENE PRODUCTION

- High capacity production in fully integrated production environment
- Ballistic fabric production used for life protection
- Strongest fiber for life protection products
- Soft armor and hard armor grades of various areal weight ranging 110 grams/m² to 160 grams/m².
- Some of the applications

SOFT ARMOR FOR BODY PROTECTION

- Front Protection
- Back Protection
- Shoulder Protection
- Groin Protection
- Belt Protection
- Neck Protection

HARD ARMOR PRODUCTS



- BODY PROTECTION

- Chest Plate
- Back Plate
- Side Plates

- BALLISTIC PROTECTIVE SHIELDS

- Shields For Special Forces
- Police Shields

- BALLISTIC PROTECTIVE BINS AND BAGS

- Blast Protective Bins
- Bullet Proof Bags

- VEHICLE ARMORING

- Spall Liner
- Add-On Armor
- Optic Equipment Armor

- BALLISTIC PROTECTIVE HELMET

- Rifle Helmet
- Enhanced Combat Helmet
- Advanced Combat Helmet
- Mich Helmet
- Pasgt Helmet

- AIRPLANE & HELICOPTER ARMOR

- Floor Protection
- Armored Pilot Seat
- Side Panels
- Ballistic Protection For Critical Equipment
- Cockpit Door Protection



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BALLISTIC PROTECTIVE **HELMETS** ” ”

We manufacture ballistic protective helmets in many different styles such as PASGT, MICH, ACH or ECH, and in 3 to 4 different sizes per style. Our helmets can be made of aramid, UHMWPE or hybrid solutions. All our helmets are manufactured according to NIJ and STANAG standards and tested in our accredited inhouse ballistic testing laboratory.



ULTRA LIGHT BALLISTIC PROTECTIVE HELMETS



”



ACH HIGH-CUT MODEL
GG-ULH-ACH-HC



Black



Military Green



Foliage Green



HELMET
SIZE

M

L

XL

XXL

HEAD
SIZE CM

53-56 cm

57-59 cm

60-61 cm

62-65 cm

- Material
- NIJ Level IIIA 9 mm ballistic protection
- NIJ Level IIIA .44 Magnum ballistic protection
- V50 value for 17 gr FSP, STANAG 2920
- Blunt Impact Resistance DOT FMVSS 218
- Retention System
- Available Colors
- Outer Surface Area ($\pm 5 \text{ cm}^2$)
- Helmet Weight ($\pm 50 \text{ gr}$)

- : UHMWPE
- : Yes
- : Yes
- : Min. 760 m/s
- : Average Acceleration @ 10 ft/s \leftarrow 100G
- : 4 point, worm dial & nape pad
- : Black, Foliage Green, Tan, Military Green
- : 1020 - 1065 - 1155 - 1205 cm^2
- : 1000 - 1050 - 1150 - 1200 gr*

Applicable Liner Systems:



EPP Liner System

* Helmet weight includes: Painted shell with edge band, suspension & retention systems, shroud and side rails.

Compatible accessories: Fabric Cover, Picatinny & Wing-loc Rail Adapters, IR Patches, Armadillo IR Strobe, IR Light, Add-on Applique for Rifle Protection, Side Armor, Ballistic Mandible, NVG Mount, Fragment Visor, 9mm Visor, Counterweight, Rail Attachment Adapters and Communications Systems and hard ballistic mandible with fragment visor.



BALLISTIC PROTECTIVE HELMETS



ACH MID-CUT MODEL
GG-BPH-ACH-MC



Black



Military Green



Foliage Green

HELMET
SIZE

M

L

XL

XXL

HEAD
SIZE CM

53-56 cm

57-59 cm

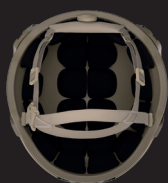
60-61 cm

62-65 cm

- Material
- NIJ Level IIIA 9 mm ballistic protection
- NIJ Level IIIA .44 Magnum ballistic protection
- V50 value for 17 gr FSP, STANAG 2920
- Blunt Impact Resistance DOT FMVSS 218
- Retention System
- Available Colors
- Outer Surface Area ($\pm 5 \text{ cm}^2$)
- Helmet Weight ($\pm 50 \text{ gr}$)

: UHMWPE
: Yes
: Yes
: Min. 725 m/s
: Average Acceleration @ 10 ft/s \leftarrow 100G
: 4 point, dial adjuster / worm dial & nape pad
: Black, Foliage Green, Tan, Military Green
: 1115 - 1165 - 1260 - 1320 cm^2
: 1250 - 1310 - 1350 - 1450 gr*

Applicable Liner Systems:



Comfort Liner
System



EPP Liner System



7 Pad Liner
System

* Helmet weight includes: Painted shell with edge band, suspension & retention systems, shroud and side rails.

Compatible accessories: Fabric cover, picatinny & wing-loc rail adapters, IR patches, Armadillo IR strobe, IR light, add-on applique for rifle protection, NVG mount, fragment visor, 9mm visor, counterweight and hard ballistic mandible with fragment visor.



BALLISTIC PROTECTIVE HELMETS



ACH FULL-CUT MODEL
GG-BPH-ACH-FC



Black



Military Green



Foliage Green

HELMET
SIZE

M

L

XL

XXL

HEAD
SIZE CM

53-56 cm

57-59 cm

60-61 cm

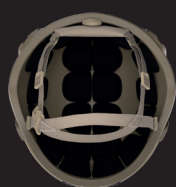
62-65 cm

”

- Material
- NIJ Level IIIA 9 mm ballistic protection
- NIJ Level IIIA .44 Magnum ballistic protection
- V50 value for 17 gr FSP, STANAG 2920
- Blunt Impact Resistance DOT FMVSS 218
- Retention System
- Available Colors
- Outer Surface Area ($\pm 5 \text{ cm}^2$)
- Helmet Weight ($\pm 50 \text{ gr}$)

: UHMWPE
: Yes
: Yes
: Min. 725 m/s
: Average Acceleration @ 10 ft/s \leftarrow 100G
: 4 point, dial adjuster / worm dial & nape pad
: Black, Foliage Green, Tan, Military Green
: 1185 - 1230 - 1330 - 1390 cm^2
: 1290 - 1350 - 1390 - 1490 gr*

Applicable Liner Systems:



Comfort Liner
System



EPP Liner System



7 Pad Liner
System

* Helmet weight includes: Painted shell with edge band, suspension & retention systems, shroud and side rails.

Compatible accessories: Fabric cover, piccating & wing-loc rail adapters, IR patches, Armadillo IR strobe, IR light, add-on applique for rifle protection, NVG mount, fragment visor, 9mm visor, counterweight.



BALLISTIC PROTECTIVE HELMETS



ACH HIGH-CUT MODEL
GG-BPH-ACH-HC



Black



Military Green



Foliage Green

HELMET
SIZE

M

L

XL

XXL

HEAD
SIZE CM

53-56 cm

57-59 cm

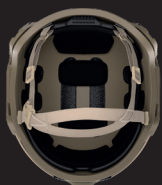
60-61 cm

62-65 cm

- Material
- NIJ Level IIIA 9 mm ballistic protection
- NIJ Level IIIA .44 Magnum ballistic protection
- V50 value for 17 gr FSP, STANAG 2920
- Blunt Impact Resistance DOT FMVSS 218
- Retention System
- Available Colors
- Outer Surface Area ($\pm 5 \text{ cm}^2$)
- Helmet Weight ($\pm 50 \text{ gr}$)

: UHMWPE
: Yes
: Yes
: Min. 725 m/s
: Average Acceleration @ 10 ft/s \leftarrow 100G
: 4 point, worm dial & nape pad
: Black, Foliage Green, Tan, Military Green
: 1055 - 1100 - 1185 - 1240 cm^2
: 1200 - 1260 - 1300 - 1400 gr*

Applicable Liner Systems:



EPP Liner System

* Helmet weight includes: Painted shell with edge band, suspension & retention systems, shroud and side rails.

Compatible accessories: Fabric Cover, Picatinny & Wing-loc Rail Adapters, IR Patches, Armadillo IR Strobe, IR Light, Add-on Applique for Rifle Protection, Side Armor, Ballistic Mandible, NVG Mount, Fragment Visor, 9mm Visor, Counterweight, Rail Attachment Adapters and Communications Systems and hard ballistic mandible with fragment visor.



ULTRA-LIGHT WEIGHT GEN II BALLISTIC HELMET



ACH MID-CUT MODEL
GG-UL2-ACH-HC



Black



Military Green



Foliage Green

HELMET
SIZE

M

L

XL

XXL

HEAD
SIZE CM

53-56 cm

57-59 cm

60-61 cm

62-65 cm



77

- Material
- NIJ Level IIIA 9 mm ballistic protection
- NIJ Level IIIA .44 Magnum ballistic protection
- V50 value for 17 gr FSP, STANAG 2920
- Blunt Impact Resistance DOT FMVSS 218
- Retention System
- Available Colors
- Outer Surface Area ($\pm 5 \text{ cm}^2$)
- Helmet Weight ($\pm 50 \text{ gr}$)

- : UHMWPE
- : Yes
- : Yes
- : Min. 675 m/s
- : Average Acceleration @ 10 ft/s \leftarrow 100G
- : 4 point, dial adjuster / worm dial & nape pad
- : Black, Foliage Green, Tan, Military Green
- : 1083 - 1130 - 1225 - 1285 cm^2
- : 850 - 875 - 925 - 950 gr*

Applicable Liner Systems:



Comfort Liner
System



EPP Liner System



7 Pad Liner
System

* Helmet weight includes: Painted shell with edge band, suspension & retention systems, shroud and side rails.

Compatible accessories: Fabric cover, picatinny & wing-loc rail adapters, IR patches, Armadillo IR strobe, IR light, add-on applique for rifle protection, NVG mount, fragment visor, 9mm visor, counterweight and hard ballistic mandible with fragment visor.



ULTRA LIGHT BALLISTIC PROTECTIVE HELMETS



ACH MID-CUT MODEL
GG-ULH-ACH-MC



Black



Military Green



Foliage Green

HELMET
SIZE

M

L

XL

XXL

HEAD
SIZE CM

53-56 cm

57-59 cm

60-61 cm

62-65 cm



- Material
- NIJ Level IIIA 9 mm ballistic protection
- NIJ Level IIIA .44 Magnum ballistic protection
- V50 value for 17 gr FSP, STANAG 2920
- Blunt Impact Resistance DOT FMVSS 218
- Retention System
- Available Colors
- Outer Surface Area ($\pm 5 \text{ cm}^2$)
- Helmet Weight ($\pm 50 \text{ gr}$)

: UHMWPE
: Yes
: Yes
: Min. 760 m/s
: Average Acceleration @ 10 ft/s \leftarrow 100G
: 4 point, dial adjuster/worm dial & nape pad
: Black, Foliage Green, Tan, Military Green
: 1045 - 1090 - 1185 - 1245 cm^2
: 1050 - 1100 - 1200 - 1250 gr*

Applicable Liner Systems:



Comfort Liner
System



EPP Liner System



7 Pad Liner
System

* Helmet weight includes: Painted shell with edge band, suspension & retention systems, shroud and side rails.

Compatible accessories: Fabric cover, picatinny & wing-loc rail adapters, IR patches, Armadillo IR strobe, IR light, add-on applique for rifle protection, NVG mount, fragment visor, 9mm visor, counterweight and hard ballistic mandible with fragment visor.



BALLISTIC PROTECTIVE HELMETS

ARAMID MATERIAL



ACH HIGH-CUT MODEL
GG-BPH-ACH-HCA



Black



Military Green



Foliage Green



HELMET
SIZE

M

L

XL

XXL

HEAD
SIZE CM

53-56 cm

57-59 cm

60-61 cm

62-65 cm

”

- | | |
|--|---|
| • Material | : ARAMID |
| • NIJ Level IIIA 9 mm ballistic protection | : Yes |
| • NIJ Level IIIA .44 Magnum ballistic protection | : Yes |
| • V50 value for 17 gr FSP, STANAG 2920 | : Min. 650 m/s |
| • Blunt Impact Resistance DOT FMVSS 218 | : Average Acceleration @ 10 ft/s ← 100G |
| • Retention System | : 4 point, worm dial & nape pad |
| • Available Colors | : Black, Foliage Green, Tan, Military Green |
| • Outer Surface Area (± 5 cm ²) | : 1055 - 1100 - 1185 - 1240 cm ² |
| • Helmet Weight (± 50 gr) | : 1400 - 1500 - 1590- 1690 gr* |

Applicable Liner Systems:



EPP Liner System

* Helmet weight includes: Painted shell with edge band, suspension & retention systems, shroud and side rails.

Compatible accessories: Fabric Cover, Picatinny & Wing-loc Rail Adapters, IR Patches, Armadillo IR Strobe, IR Light, Add-on Applique for Rifle Protection, Side Armor, Ballistic Mandible, NVG Mount, Fragment Visor, 9mm Visor, Counterweight, Rail Attachment Adapters and Communications Systems and hard ballistic mandible with fragment visor.



BALLISTIC PROTECTIVE HELMETS

ARAMID MATERIAL



ACH MID-CUT MODEL
GG-BPH-ACH-MCA



Black



Military Green



Foliage Green

HELMET
SIZE

M

L

XL

XXL

HEAD
SIZE CM

53-56 cm

57-59 cm

60-61 cm

62-65 cm

- Material
- NIJ Level IIIA 9 mm ballistic protection
- NIJ Level IIIA .44 Magnum ballistic protection
- V50 value for 17 gr FSP, STANAG 2920
- Blunt Impact Resistance DOT FMVSS 218
- Retention System
- Available Colors
- Outer Surface Area ($\pm 5 \text{ cm}^2$)
- Helmet Weight ($\pm 50 \text{ gr}$)

: ARAMID
: Yes
: Yes
: Min. 650 m/s
: Average Acceleration @ 10 ft/s \leftarrow 100G
: 4 point, dial adjuster / worm dial & nape pad
: Black, Foliage Green, Tan, Military Green
: 1115 - 1165 - 1260 - 1320 cm^2
: 1450 - 1530 - 1600 - 1700 gr*

Applicable Liner Systems:



Comfort Liner
System



EPP Liner System



7 Pad Liner
System

* Helmet weight includes: Painted shell with edge band, suspension & retention systems, shroud and side rails.

Compatible accessories: Fabric cover, picatinny & wing-loc rail adapters, IR patches, Armadillo IR strobe, IR light, add-on applique for rifle protection, NVG mount, fragment visor, 9mm visor, counterweight and hard ballistic mandible with fragment visor.



BALLISTIC PROTECTIVE HELMETS

ARAMID MATERIAL



ACH FULL-CUT MODEL
GG-BPH-ACH-FCA



Black



Military Green



Foliage Green

HELMET
SIZE

M

L

XL

XXL

HEAD
SIZE CM

53-56 cm

57-59 cm

60-61 cm

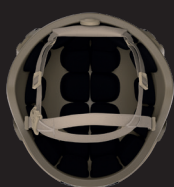
62-65 cm

”

- Material
- NIJ Level IIIA 9 mm ballistic protection
- NIJ Level IIIA .44 Magnum ballistic protection
- V50 value for 17 gr FSP, STANAG 2920
- Blunt Impact Resistance DOT FMVSS 218
- Retention System
- Available Colors
- Outer Surface Area ($\pm 5 \text{ cm}^2$)
- Helmet Weight ($\pm 50 \text{ gr}$)

: ARAMID
: Yes
: Yes
: Min. 650 m/s
: Average Acceleration @ 10 ft/s \leftarrow 100G
: 4 point, dial adjuster / worm dial & nape pad
: Black, Foliage Green, Tan, Military Green
: 1185 - 1230 - 1330 - 1390 cm^2
: 1500 - 1570 - 1620 - 1750 gr*

Applicable Liner Systems:



Comfort Liner
System



EPP Liner System



7 Pad Liner
System

* Helmet weight includes: Painted shell with edge band, suspension & retention systems, shroud and side rails.

Compatible accessories: Fabric cover, piccating & wing-loc rail adapters, IR patches, Armadillo IR strobe, IR light, add-on applique for rifle protection, NVG mount, fragment visor, 9mm visor, counterweight.



BALLISTIC PROTECTIVE RIFLE HELMET



ACH MID-CUT MODEL
GG-BRH-ACH-MC



Black



Military Green



Foliage Green

HELMET
SIZE

M

L

XL

XXL

HEAD
SIZE CM

53-56 cm

57-59 cm

60-61 cm

62-65 cm

- Material
- NIJ Level III Ballistic Protection
- NIJ Level III+ Ballistic Protection
- V50 value for 17 gr FSP, STANAG 2920
- Blunt Impact Resistance DOT FMVSS 218
- Retention System
- Available Colors
- Outer Surface Area ($\pm 5 \text{ cm}^2$)
- Helmet Weight ($\pm 50 \text{ gr}$)

- : UHMWPE
- : 7,62x51 NATO Ball (Vel. 730 m/s)
- : 7,62x39 MSC
- : Min. 1150 m/s
- : Average Acceleration @ 10 ft/s \leftarrow 150G
- : 4 point, dial adjuster / worm dial & nape pad
- : Black, Foliage Green, Tan, Military Green
- : 1240 - 1295 - 1400 - 1465 cm^2
- : 1680 - 1730 - 1830 - 1880 gr*

* Helmet weight includes: Painted shell with edge band, suspension & retention systems, shroud and side rails.

Applicable Liner Systems:



D30 HALO Liner System



Comfort Liner System



EPP Liner System



7 Pad Liner System

Compatible accessories: Fabric cover, picatinny & wing-loc rail adapters, IR patches, Armadillo IR strobe, IR light, NVG mount, fragment visor, 9mm visor, counterweight and hard ballistic mandible with fragment visor.



BALLISTIC PROTECTIVE RIFLE HELMET



ACH FULL-CUT MODEL
GG-BRH-ACH-FC



Black



Military Green



Foliage Green



HELMET
SIZE

M

L

XL

XXL

HEAD
SIZE CM

53-56 cm

57-59 cm

60-61 cm

62-65 cm

77

- Material
- NIJ Level III Ballistic Protection
- NIJ Level III+ Ballistic Protection
- V50 value for 17 gr FSP (STANAG 2920)
- Blunt Impact Resistance DOT FMVSS 218
- Retention System
- Available Colors
- Outer Surface Area ($\pm 5 \text{ cm}^2$)
- Helmet Weight ($\pm 50 \text{ gr}$)

: UHMWPE
: 7,62x51 NATO Ball (Vel. 730 m/s)
: 7,62x39 MSC
: Min. 1150 m/s
: Average Acceleration @ 10 ft/s \leftarrow 150G
: 4 point, dial adjuster/worm dial & nape pad
: Black, Foliage Green, Tan, Military Green
: 1315 - 1365 - 1475 - 1550 cm^2
: 1730 - 1780 - 1880 - 1930 gr*

* Helmet weight includes: Painted shell with edge band, suspension & retention systems, shroud and side rails.

Applicable Liner Systems:



D30 HALO Liner System



Comfort Liner System



EPP Liner System



7 Pad Liner System

Compatible accessories: Fabric cover, picatinny & wing-loc rail adapters, IR patches, Armadillo IR strobe, IR light, NVG mount, fragment visor, 9mm visor, counterweight.



NON-BALLISTIC **HELMETS**

We are offering two types of non-ballistic helmets for impact protection. Those helmets can be used during tactical exercises, search and rescue operations, on boats and various usages to give end-user an extra protection against impacts.



BUMP HELMET



SPECIFICATIONS GG-NBH-BH-HC

”



- Made of special polycarbonate material.
- Extremely light-weight product. Only 750 gr !
- EN 1385 Compliant.
- Superior protection against impacts.
- High cut design allows usage with telecom devices.
- 4 point harness with dial adjuster system and nape pad.
- Modular and special designed liner system
- Hook and loop patches for over the helmet accessories.
- Accessory carriage rails and shroud serve as a platform for T-Lights, NV goggles, cameras and beacons.
- Can be used for training purposes by ballistic protective helmet users.
- Protects the operation personnel of search and rescue teams, military vehicle personnel, and people doing outdoor sports against impacts
- Colors: Olive, tan, red, orange, yellow and black.



NON-BALLISTIC ACH MID-CUT HELMET



GG-NBH-ACH-MC ● ● ● ● ● ●

M

L

XL

XXL

- Our ultra-light weight bump helmet Shell is made of an extremely strong resin impregnated glass fiber.
- Superior protection against impacts
- High-cut, full-cut and mid-cut options are available.
- Helmet shell can be manufactured with or without air and water drain holes
- Side rails and shroud offer a platform for NVG, T-light, cameras and similar accessories.
- Modular and specially designed shock absorption inner-liner system offers maximum protection and comfort.
- Comfort pads that are located on top of the expanded polypropylene (EPP) liners are fixed with Velcro patches and can easily be replaced.
- 4 point harness with dial adjuster.
- There are Velcro patches located outside the shell for over the helmet accessories.
- Protects the operation personnel of search and rescue teams, military vehicle personnel, and people doing outdoor sports against impacts.
- As the accessory carriage rails and shroud are the same of those used on the ballistic protective helmets, our non-ballistic helmets can be used for training purposes for ballistic protective helmet users.

Material

Performance Standard

Blunt Impact Resistance DOT FMVSS 218

Retention System

Available Colors

Outer Surface Area ($\pm 5 \text{ cm}^2$)

Helmet Weight ($\pm 50 \text{ gr}$)

Helmet weight includes

: GLASS FIBER

: EN 1385

: Average Acceleration @ 10 ft/s \leftarrow 100G

: 4 point, dial/adjuster/worm dial & nape pad

: Black, Foliage Green, Tan, Military Green

: 1085 - 1130 - 1225 - 1285 cm^2

: 1050 - 1100 - 1200 - 1250 gr^*

: Painted shell with edge band, suspension & retention systems and side rails.



NON-BALLISTIC ACH HIGH-CUT HELMET WITH DRAIN HOLES

● ● ● ● ● GG-NBH-ACH-HCH

”



M

L

XL

XXL

- Our ultra-light weight bump helmet Shell is made of an extremely strong resin impregnated glass fiber.
- Superior protection against impacts
- High-cut geometry has a comfortable fit and allows you to use with earphones and similar communication devices.
- Helmet shell can be manufactured with or without air and water drain holes
- Side rails and shroud offer a platform for NVG, T-light, cameras and similar accessories.
- Modular and specially designed shock absorption inner-liner system offers maximum protection and comfort.
- Comfort pads that are located on top of the expanded polypropylene (EPP) liners are fixed with Velcro patches and can easily be replaced.
- 4 point harness with dial adjuster.
- There are velcro patches located outside the shell for over the helmet accessories.
- Protects the operation personnel of search and rescue teams, military vehicle personnel, and people doing outdoor sports against impacts.
- As the accessory carriage rails and shroud are the same of those used on the ballistic protective helmets our non-ballistic helmets can be used for training purposes for ballistic protective helmet users.
- Mid-cut and full-cut options are available.

Material

Performance Standard

Blunt Impact Resistance DOT FMVSS 218

Retention System

Available Colors

Outer Surface Area ($\pm 5 \text{ cm}^2$)

Helmet Weight ($\pm 50 \text{ gr}$)

Helmet weight includes

: GLASS FIBER

: EN 1385

: Average Acceleration @ 10 ft/s \leftarrow 100G

: 4 point, worm dial & nape pad

: Black, Foliage Green, Tan, Military Green

: 980 - 1025 - 1185 - 1245 cm^2

: 930 - 1030 - 1080 - 1100 gr*

: Painted shell with edge band, suspension & retention systems and side rails.



HELMET

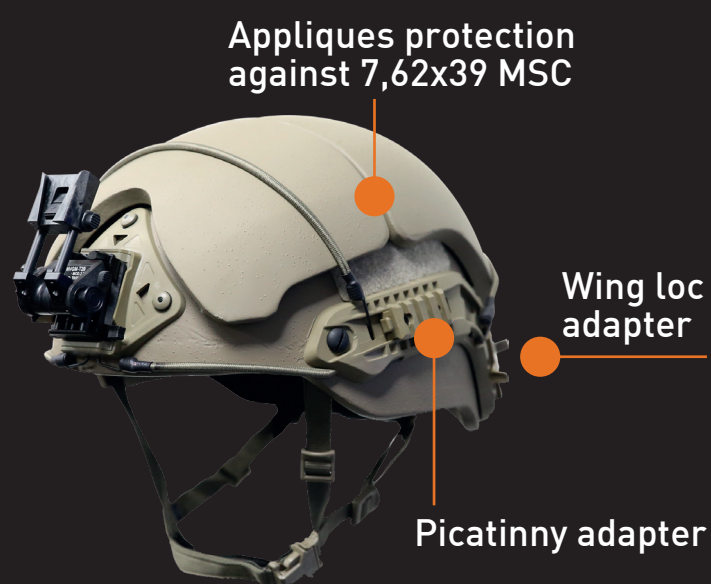
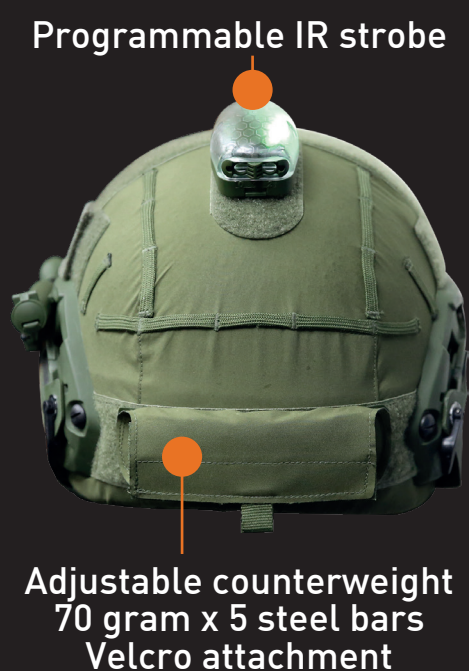
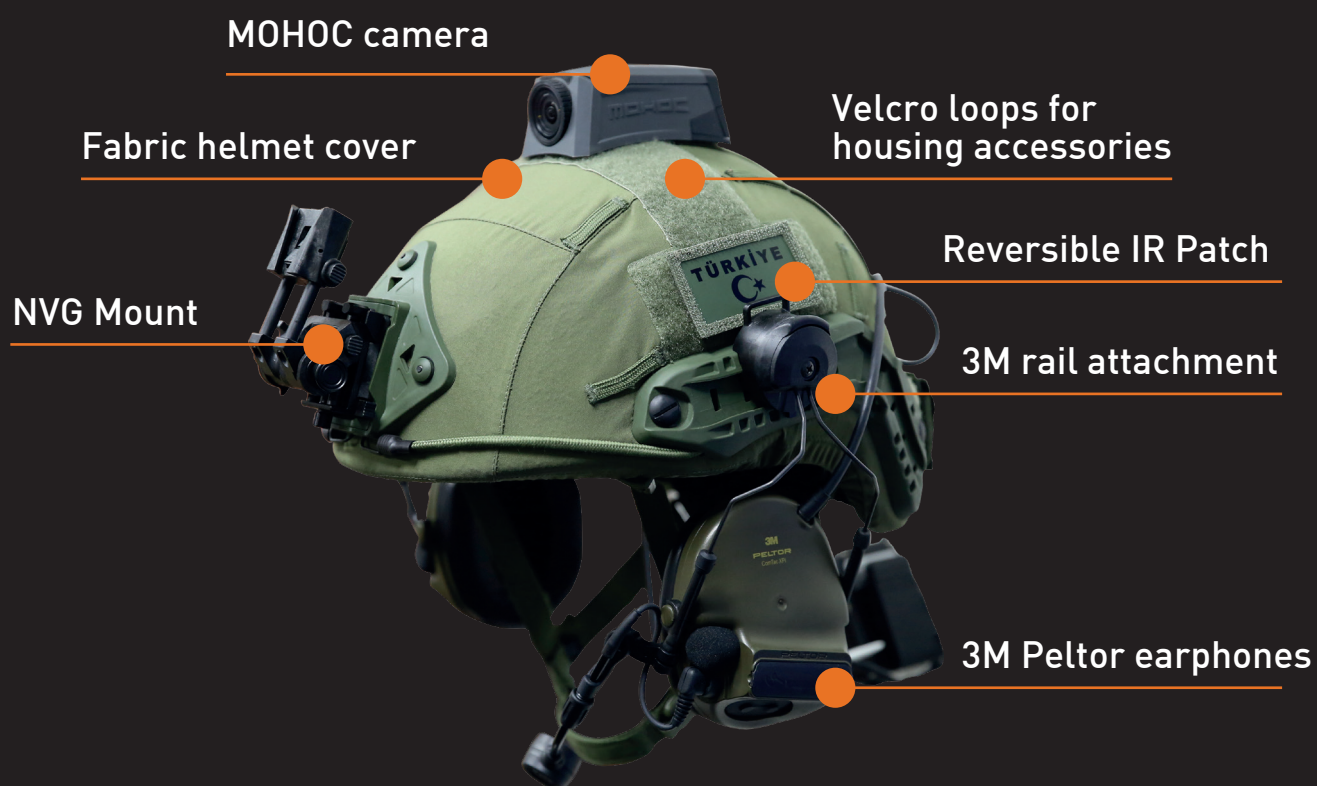
ACCESSORIES



In addition to these ballistic protective helmets we have designed and produced several complementary items such as IR strobe, T-Light, add-on ballistic appliques for rifle protection, soft ballistic mandible, side armor, 9 mm & fragment visors NVG mount and counterweights. All of these are battlefield tested!



BALLISTIC PROTECTIVE HELMETS **WITH ACCESSORIES**





HELMET ACCESSORIES

NVG Mount
with Binocular

Front & rear add on appliques
protection against 7,62x39 MSC

Helmet light
White, red, strong
white lights
IR light

Retention System
One hand release buckle

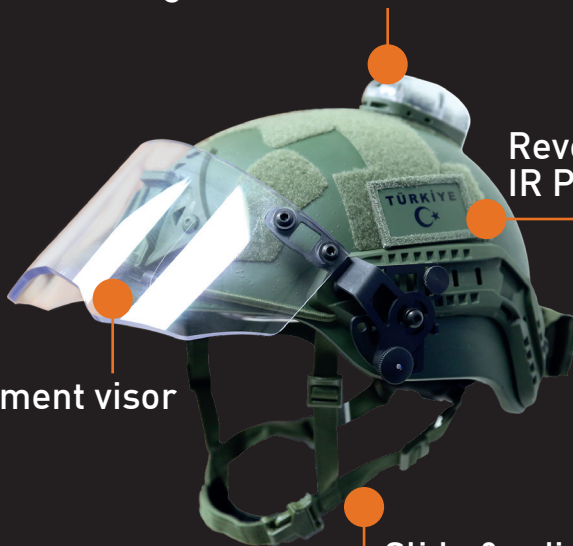


Programmable IR strobe

Reversible
IR Patch

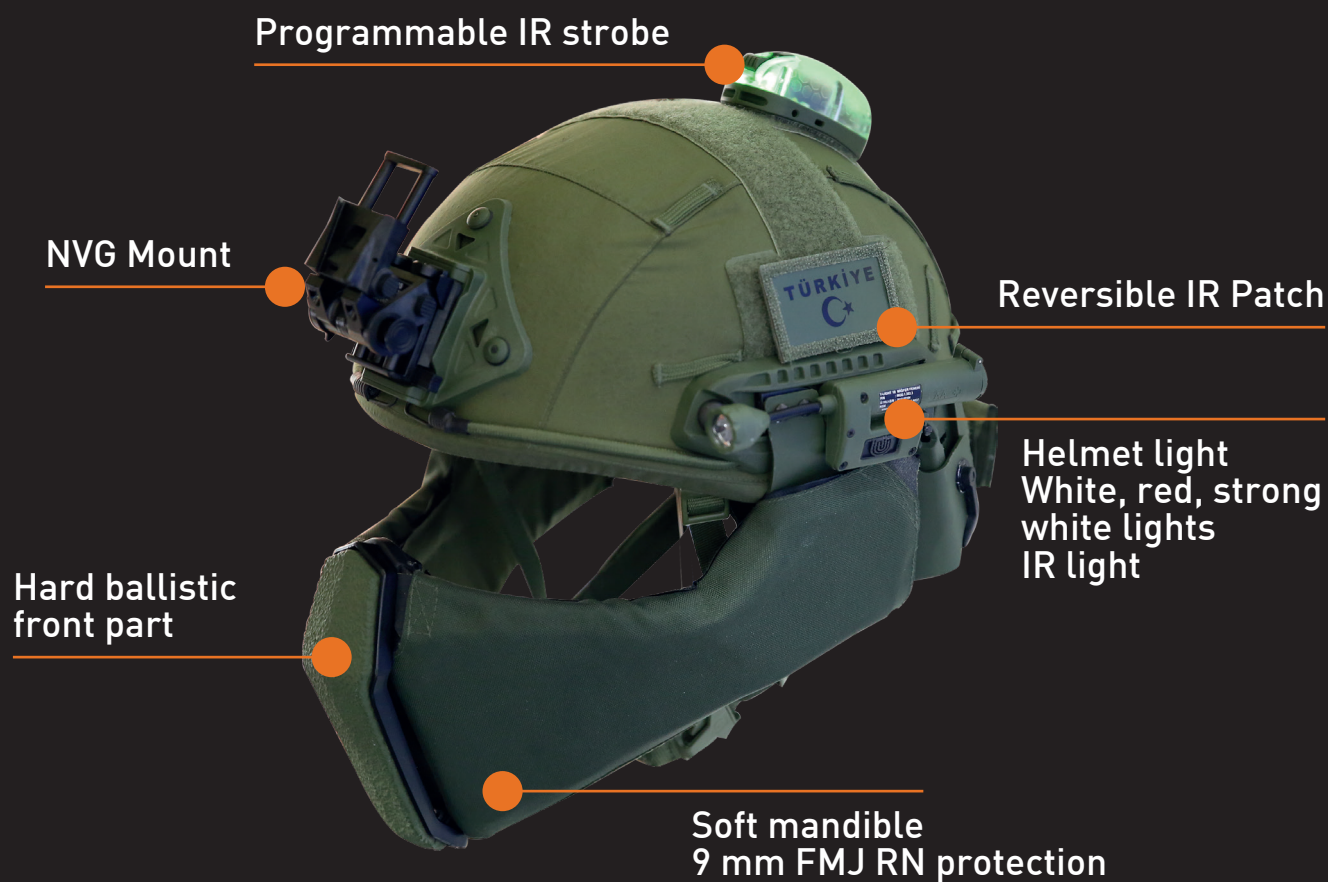
Fragment visor

Slide & adjust
buckles



9 mm FMJ RN ballistic visor







HELMET ACCESSORIES



Helmet is equipped with NVG bungees, side rails that are compatible with Picatinny adaptors. Accessory carrying side rails and NVG mounting slot/shroud serve as a platform for NVG, cameras and similar accessories. All these components are lightweight and compatible with universal accessories.



SOFT BALLISTIC MANDIBLE WITH HARD BALLISTIC FRONT PIECE



”



GG-HAC-SMD01



- | | |
|--|-----------------------------|
| • Size | : One size fits all |
| • Material | : UHMWPE |
| • NIJ Level IIIA 9 mm ballistic protection | : Yes (366 m/s) |
| • V50 value for 17 gr FSP, STANAG 2920 | : Min. 550 m/s |
| • Available Colors | : Black, Foliage Green, Tan |
| • Compatible With | : High Cut Helmets only |
| • Weight (± 50 gr) | : 500 gr |



SIDE ARMOR

GG-HAC-SAR01



- | | |
|--|-----------------------------|
| • Size | : One size fits all |
| • Material | : UHMWPE |
| • NIJ Level IIIA 9 mm ballistic protection | : Yes (366 m/s) |
| • V50 value for 17 gr FSP, STANAG 2920 | : Min. 675 m/s |
| • Available Colors | : Black, Foliage Green, Tan |
| • Compatible With | : High Cut Helmets only |
| • Weight (± 30 gr) | : 300 gr |



FRAGMENT VISOR

● ● ● ● ● GG-HAC-FVS01

”



M

L

XL

XXL

- Visor Dimensions : 230 x 100 mm
- V50 value for 17 gr FSP, STANAG 2920 : Min. 230 m/s
- Weight (± 30 gr) : 500 gr (Including brackets)



9 MM VISOR

GG-HAC-9VS01



M

L

XL

XXL

- | | |
|--|--------------------------------|
| • Visor Dimensions | : 260 x 150 mm |
| • NIJ Level IIIA 9 mm ballistic protection | : Yes (366 m/s) |
| • V50 value for 17 gr FSP, STANAG 2920 | : Min. 600 m/s |
| • Weight (± 50 gr) | : 1400 gr (Including brackets) |



ADD-ON ARMOUR APPLIQUE



GG-HAC-AD001

”



M

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XL

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- Ballistic Protection
 - : 7,62x39 MSC (UHMWPE)
 - : 7,62x39 AP (Ceramic)
- V50 value for 17 gr FSP, STANAG 2920
 - : Min. 1000 m/s
- Available Colors
 - : Black, Foliage Green, Tan
- Outer Surface Area
 - : Front Piece (± 5 cm): 350 - 430
 - : Rear Piece (± 5 cm): 380 - 525
- Weight
 - : Front Piece (± 50 g): 435 - 500
 - : Rear Piece (± 50 g): 475 - 600



FULL FACE BALLISTIC PROTECTION HELMET - VISOR - MANDIBLE MID-CUT HELMET

GG-HAC-HMC01 | GG-HAC-VSR01



M/L XL/
XXL

M/L XL/
XXL

PRODUCT

- Material
- Ballistic Protection (NIJ IIIA 9 mm)
- V50 for 17 gr FSP (STANAG 2920)
- Available Colors
- Compatible With
- Weight (\pm 50 gr)
- Protection Area

VISOR

PC
No
Min. 255 m/s
Black, Green, Tan
HC & MC Helmets
300 gr
242 - 250 cm²

MANDIBLE

UHMWPE
Yes (426 m/s)
Min. 650 m/s
Black, Green, Tan
HC & MC Helmets
500 gr
391 - 422 cm²

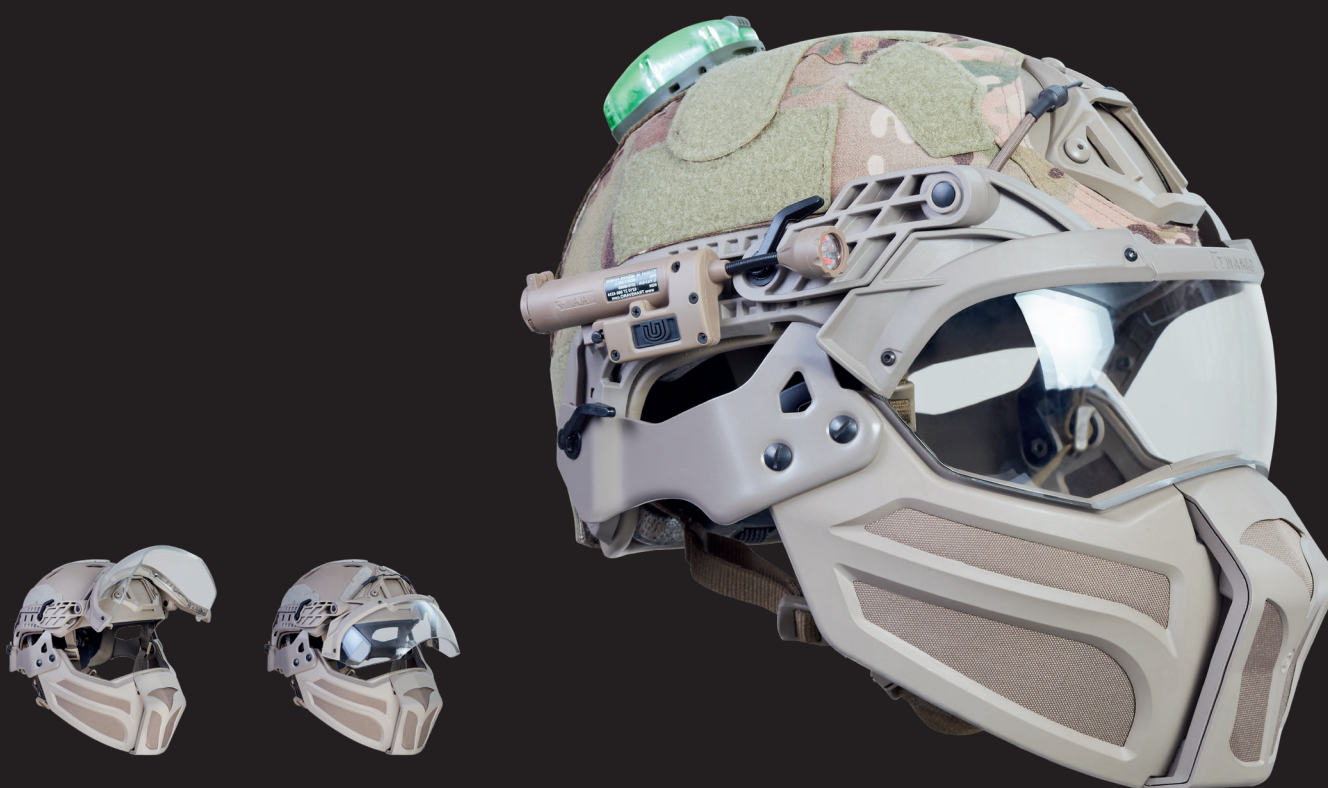


FULL FACE BALLISTIC PROTECTION HELMET - VISOR - MANDIBLE HIGH-CUT HELMET



GG-HAC-HHC01 | GG-HAC-VSR01

”



M/L XL/
XXL

M/L XL/
XXL

PRODUCT

- Material
- Ballistic Protection (NIJ IIIA 9 mm)
- V50 for 17 gr FSP (STANAG 2920)
- Available Colors
- Compatible With
- Weight (\pm 50 gr)
- Protection Area

VISOR

PC
No
Min. 255 m/s
Black, Green, Tan
HC & MC Helmets
300 gr
242 - 250 cm²

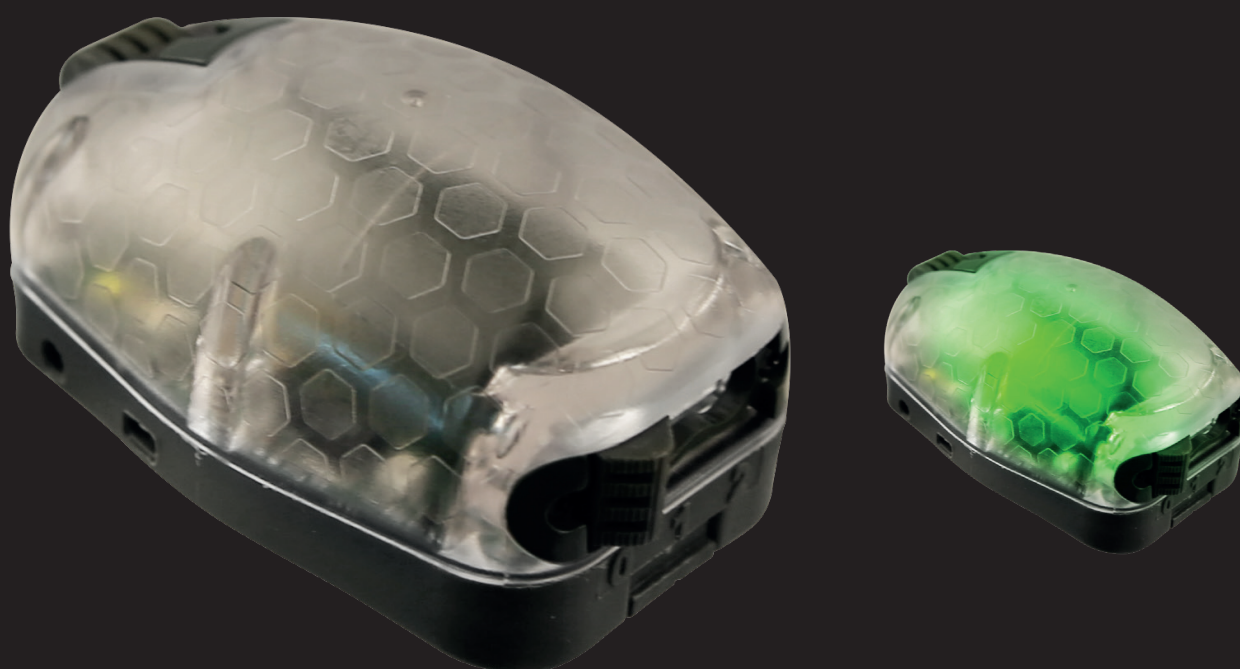
MANDIBLE

UHMWPE
Yes (426 m/s)
Min. 650 m/s
Black, Green, Tan
HC & MC Helmets
500 gr
391 - 422 cm²



ARMADILLO IR STROBE

GG-HAC-STR01



• Light Models	: Low IR (Strobe)-High IR (Strobe) Green (Steady)-Green (Steady)+Bright White (Strobe)
• Battery	: 1xCR123
• Operation time	: Green (Steady)+Bright White (Strobe) : →10 hours (25°C) High IR (Strobe): →24 hours (25°C)
• Weight	: ←55 g (Without battery)
• Dimensions (mm)	: W:75 / H:26 / L: 49
• Operating temperature	: -40°C / +70°C
• Water resistance	: IP68
• Vibration option	: Available (Not available in the US)
• Reverse Polarity Protection	: Yes
• Programmable	: Yes

T-LIGHT



● ● ● ● ● GG-HAC-LIT01

”



- | | |
|------------------------------|---|
| • Led color options | : White power LED
Red
White
Infrared |
| • Battery | : 1 x AA (Alkaline or Lithium) |
| • Power of the Power Led | : 50 lm |
| • Operation time (White LED) | : → 4 hours (With Lithium battery) |
| • Operation time (Others) | : → 24 hours (With Lithium battery) |
| • Weight (Without battery) | : ← 45 g |



NVG MOUNT



GG-HAC-NVG01



- | | |
|-----------------------|-----------------|
| • Weight | : 135 g |
| • Fore/Aft adjustment | : 26 mm |
| • Vertical adjustment | : 26 mm |
| • Tilt adjustment | : $\pm 5^\circ$ |
| • Breakaway feature | : Yes |
| • Color | : Black |
| • Magnetic sensor | : Yes |
| • Foldable | |
| • Dove tail interface | |



ADJUSTABLE COUNTER WEIGHT

● ● ● ● ● GG-HAC-CWT01

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- Customizable weight management system designed to enhance helmet's usage comfort and reduce neck strain by balancing the helmet for the devices mounted on front shroud.
- Weight : 70 g (0.1 lbs) x 5 pcs stainless steel bars
- Dimensions (mm) : L: 75 mm W: 50 mm (1.1 in x 0.7 in)
- Attachment : By Velcro



ROTARY WING AIRCRAFTS CREW HELMETS



A versatile helmet system for commercial and military pilots, designed to be used for air crews of rotary wing aircrafts, which does not have an ejection seat. In addition, it has been designed to be used with night vision goggles. Thanks to its lightweight solution, it is designed to provide comfort, protection and reliability in various usages and gives utmost comfort to the user during long operations.

GG-HAC-NVG01



Lightweight but durable

Extremely lightweight construction

Strong epoxy resin, aramid and carbon fibre shell Impact and puncture protection **also have ballistic shell option.**

EASY SET-UP

Quick & easy set-up of retention system and ear comms for perfect fit.

Quick disconnect feature.

LONG-TERM COMFORT

Excellent passive sound reduction technology.

Advanced ceiling flooring system preventing moisture formation.

Optional inner pads in different thicknesses for precise fit.

Hygienic structure.

Helps reducing thermal heat with air ventilation channels.

Optional active noise reduction.

APPLICATION AREAS

Air Force Commercial usage Air Ambulance Firefighter.

Aerobatics demonstration.

Crop disinfection & Forestry.



ROTARY WING AIRCRAFTS CREW HELMETS

”



• Non-Ballistic Shell

• Ballistic Shell



PERSONALIZATION OPTIONS:

- The standard helicopter helmet in different configurations meets the requirements of the user
- Fibre reinforced, carbon fibre structure with ventilation ducts in the outer shell
- 4 sizes available
- Single or double visor options (colourless, colour, yellow and laser protection).
- Optional Active Noise Reduction
- Various connection sockets, side connector, microphone, impedance options.
- Shell colour and surface treatment options
- Visor protector, reflective tape options and more
- Quick disconnect feature in order to remove communication systems rapidly in case of emergency situation

OPTIONS AND ACCESSORIES:

- Shell Colour
- Visor - Single / Double / Laser Protected
- Visor Protector
- **Ballistic & Non-ballistic option**
- Passive / Active Sound Reduction
- Cable and Input Options
- Microphones
- Reflective Tape
- Accessories available on the market

Weight:

1300 gr \pm 50 gr (without communications)
1575 gr \pm 50 gr (with communications)

Sound Attenuations:

50 db at 1000 Hz
69 db at 4000 Hz
54 db at 8000 Hz

VISOR PROTECTOR	VISOR	EARPIECE	CABLE	INPUT OPTIONS	MICROPHONE
Medium	Colourless & Colour	Passive 150 Ohm	Spiral (1M)	UK NATO	M7/DC
Hard (NVG)	Yellow & Colour	Passive 600 Ohm	Straight (1M)	U174	M87
Soft		Active sound reduction		Twin Plug	Waterproof
		Waterproof		6 Pin Lemo	
				8 Pin Lemo	



ROTARY WING AIRCRAFTS CREW HELMETS-2

GK-APH-1



A versatile helmet system for commercial and military pilots, designed to be used for air crews of rotary wing aircrafts, which does not have an ejection seat. In addition, it has been designed to be used with night vision goggles. Thanks to its lightweight solution, it is designed to provide comfort, protection and reliability in various usages and gives utmost comfort to the user during long operations.



Lightweight but durable

Extremely lightweight construction

Strong epoxy resin, aramid and carbon fibre shell Impact and puncture protection **also have ballistic shell option.**

EASY SET-UP

Quick & easy set-up of retention system and ear comms for perfect fit.

Quick disconnect feature.

LONG-TERM COMFORT

Excellent passive sound reduction technology.

Advanced ceiling flooring system preventing moisture formation.

Optional inner pads in different thicknesses for precise fit.

Hygienic structure.

Optional active noise reduction.

APPLICATION AREAS

Air Force Commercial usage Air Ambulance Firefighter.

Aerobatics demonstration.

Crop disinfection & Forestry.



PERSONALIZATION OPTIONS:

- The standard helicopter helmet in different configurations meets the requirements of the user
- Fibre reinforced, carbon fibre structure
- 4 sizes available
- Single or double visor options (colourless, colour, yellow and laser protection).
- Optional Active Noise Reduction
- Various connection sockets, side connector, microphone, impedance options.
- Shell colour and surface treatment options
- Visor protector, reflective tape options and more
- Quick disconnect feature in order to remove communication systems rapidly in case of emergency situation



OPTIONS AND ACCESSORIES:

- Shell Colour
- Visor - Single / Double / Laser Protected
- Visor Protector
- **Ballistic & Non-ballistic option**
- Passive / Active Sound Reduction
- Cable and Input Options
- Microphones
- Reflective Tape
- Accessories available on the market



• Ballistic Shell



• Non-Ballistic Shell

VISOR PROTECTOR	VISOR	EARPIECE	CABLE	INPUT OPTIONS	MICROPHONE
Medium	Colourless & Colour	Passive 150 Ohm	Spiral (1M)	UK NATO	M7/DC
Hard (NVG)	Yellow & Colour	Passive 600 Ohm	Straight (1M)	U174	M87
Soft		Active sound reduction		Twin Plug	Waterproof
		Waterproof		6 Pin Lemo	
				8 Pin Lemo	



FIXED WING HELMETS

GK-EPH -1



A versatile helmet system for commercial and military pilots, designed to be used for air crews of fixed wing aircrafts, which have an ejection seat. In addition, it has been designed to be used with night vision goggles. Thanks to its lightweight solution, it is designed to provide comfort, protection and reliability in various usages and gives utmost comfort to the user during long operations.

Lightweight but durable

Extremely lightweight construction

Strong epoxy resin, aramid and carbon fibre shell Impact and puncture protection **also have ballistic shell option.**

LONG-TERM COMFORT

Excellent passive sound reduction technology.

Advanced ceiling flooring system preventing moisture formation.

Optional inner pads in different thicknesses for precise fit.

Hygienic structure.

Optional active noise reduction.

APPLICATION AREAS

Air Force Fighter Jet .

EASY SET-UP

Quick & easy set-up of retention system and ear comms for perfect fit.

Quick disconnect feature.

2 sets of headphones - with ANR capability

Oxygen mask connection system for head and breathing

Perfect balance for fast maneuvers

Practical NVG mounting system

650 KEAS qualified safety system

Wind Blast launch system qualified



PERSONALIZATION OPTIONS:

- Fibre reinforced, carbon fibre structure
- 4 sizes available
- Single or double visor options (colourless, colour, yellow and laser protection).
- Optional Active Noise Reduction
- Various connection sockets, side connector, microphone, impedance options.
- Shell colour and surface treatment options
- Visor protector, reflective tape options and more
- Quick disconnect feature in order to remove communication systems rapidly in case of emergency situation

OPTIONS AND ACCESSORIES:

- Shell Colour
- Visor - Single / Double / Laser Protected
- Visor Protector

• **Ballistic & Non-ballistic option**

- Passive / Active Sound Reduction
- Cable and Input Options
- Microphones
- Reflective Tape
- Accessories available on the market

VISOR PROTECTOR	VISOR	EARPIECE	CABLE	INPUT OPTIONS	MICROPHONE
Medium	Colourless & Colour	Passive 150 Ohm	Spiral (1M)	UK NATO	M7/DC
Hard (NVG)	Yellow & Colour	Passive 600 Ohm	Straight (1M)	U174	M87
Soft		Active sound reduction		Twin Plug	Waterproof
		Waterproof		6 Pin Lemo	
				8 Pin Lemo	

BALLISTIC PROTECTIVE PLATES

Usually our tactical vests are manufactured as level IIIA and can be upgraded to level III or level IV by adding ballistic protective hard armor plates (HAP). Our HAPs are manufactured in accordance with NIJ0101.04 and NIJ0101.06 standards and tested in our accredited inhouse ballistic testing laboratory. Our HAPs can be offered as stand alone as well, which means those HAPs offer specific protection without having a soft vest behind them. Depending on customer preferences, we can manufacture orthopedic, light-weight, single, double or multi curved HAPs. All our HAPs are tested according to our quality plans before leaving the factory.





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● ● ● ● ● PLATES - GRPB-1001 M

- Dimensions : 230 x 280 mm
- Protection Level : NIJ0101.06 Level IV
- Number of Shots : 3
- ICW / SA : SA
- Weight : 2350 ±50 gr
- Curvature : Double



* ICW: In conjunction with our NIJ0101.06 level IIIA softballistic protective vest.

* SA: Stand alone.



● ● ● ● ● PLATES - GRPB-1001 L

- Dimensions : 250 x 300 mm
- Protection Level : NIJ0101.06 Level IV
- Number of Shots : 3
- ICW / SA : SA
- Weight : 2650 ±50 gr
- Curvature : Double



● ● ● ● ● PLATES - GRPB-1001 XL

- Dimensions : 270 x 320 mm
- Protection Level : NIJ0101.06 Level IV
- Number of Shots : 3
- ICW / SA : SA
- Weight : 3150 ±50 gr
- Curvature : Double



* ICW: In conjunction with our NIJ0101.06 level IIIA softballistic protective vest.

* SA: Stand alone.



● ● ● ● ● PLATES - GRPB-1001 SP

- Dimensions : 150 x 200 mm
- Protection Level : NIJ0101.06 Level IV
- Number of Shots: 1
- ICW / SA : ICW
- Weight : 1000±50 gr
- Curvature : Single



● ● ● ● ● PLATES - GRPB-1002 SP

- Dimensions : 150 x 200 mm
- Protection Level : NIJ0101.06 Level IV
- Number of Shots : 1
- ICW / SA : SA
- Weight : 1150±50 gr
- Curvature : Single



* ICW: In conjunction with our NIJ0101.06 level IIIA softballistic protective vest.

* SA: Stand alone.



● ● ● ● ● PLATES - GRPB-1004

- Dimensions : 250 x 300 mm
- Protection Level : NIJ0101.06 Level IIIA
- Number of Shots : 3
- ICW / SA : SA
- Weight : 525±50 gr
- Curvature : Single



● ● ● ● ● PLATES - GRPB-2002

- Dimensions : 250 x 300 mm
- Protection Level : NIJ0101.06 Level IV
- Number of Shots : 3
- ICW / SA : SA
- Weight : 2600±50 gr
- Curvature : Double



* ICW: In conjunction with our NIJ0101.06 level IIIA softballistic protective vest.

* SA: Stand alone.



● ● ● ● ● PLATES - GRPB-3003

- Dimensions : 220 X 270 mm
- Protection Level : NIJ0101.04 Level III
- Number of Shots : 6
- ICW / SA : SA
- Weight : 750±50 gr
- Curvature : Double



● ● ● ● ● PLATES - GRPB-4004

- Dimensions : 250 x 300 mm
- Protection Level : NIJ0101.06 Level IV
- Number of Shots : 3
- ICW / SA : ICW
- Weight : 2400±50 gr
- Curvature : Double



* ICW: In conjunction with our NIJ0101.06 level IIIA softballistic protective vest.

* SA: Stand alone.



● ● ● ● ● PLATES - GRPB-4044

- Dimensions : 250 x 300 mm
- Protection Level : NIJ0101.06 Level III++
- Number of Shots : 3
- ICW / SA : SA
- Weight : 2100±50 gr
- Curvature : Single



● ● ● ● ● PLATES - GRPB-4054

- Dimensions : 250 x 300 mm
- Protection Level : NIJ0101.06 Level IV
- Number of Shots : 1
- ICW / SA : ICW
- Weight : 2400±50 gr
- Curvature : Double



* ICW: In conjunction with our NIJ0101.06 level IIIA softballistic protective vest.

* SA: Stand alone.



● ● ● ● ● PLATES - GRPB-4667

- Dimensions : 250 x 300 mm
- Protection Level : NIJ0101.06 Level III+
- Number of Shots : 6
- ICW / SA : SA
- Weight : 950±50 gr
- Curvature : Double



● ● ● ● ● PLATES - GRPB-5005

- Dimensions : 250 x 300 mm
- Protection Level : NIJ0101.06 Level IV
- Number of Shots : 1
- ICW / SA : SA
- Weight : 2600±50 gr
- Curvature : Double



* ICW: In conjunction with our NIJ0101.06 level IIIA softballistic protective vest.

* SA: Stand alone.



● ● ● ● ● PLATES - GRPB-6006 GR

- Dimensions : 250 x 250 mm
- Protection Level : NIJ0101.06 Level IV
- Number of Shots : 1
- ICW / SA : SA
- Weight : 2000±50 gr
- Curvature : Single



● ● ● ● ● PLATES - GRPB-7007 SP

- Dimensions : 150 X 200 mm
- Protection Level : NIJ0101.06 Level III
- Number of Shots : 2
- ICW / SA : ICW
- Weight : 550±50 gr
- Curvature : Single



* ICW: In conjunction with our NIJ0101.06 level IIIA softballistic protective vest.

* SA: Stand alone.



● ● ● ● ● PLATES - GRPB-9019

- Dimensions : 250 X 300 mm
- Protection Level : NIJ0101.06 Level III
- Number of Shots : 6
- ICW / SA : SA
- Weight : 1300±50 gr
- Curvature : Double



● ● ● ● ● PLATES - GRPB-9020

- Dimensions : 250 X 300 mm
- Protection Level : NIJ0101.06 Level III+
- Number of Shots : 6
- ICW / SA : SA
- Weight : 900±50 gr
- Curvature : Double



* ICW: In conjunction with our NIJ0101.06 level IIIA softballistic protective vest.

* SA: Stand alone.



BALLISTIC PROTECTIVE **SHIELD** ” ”

Our company produces shields in various sizes with different protection levels in accordance with NIJ0108.01, STANAG 4563 and STANAG 2920 standards. Ballistic protective shields, which we design according to the technical demands of our customers, are preferred by the military and police organizations because the solutions we offer are light, ergonomic and functional. Like all our ballistic protective products, the shields we produce are subjected to a test protocol in our accredited ballistic test laboratory in accordance with our quality plan.

Ballistic protective shields, which are used for the purpose of responding to social events, are produced in different models and sizes such as wheeled, ballistic visor, LED light, gun rest version, neck strap.

Our ballistic protective shields have real field experience.



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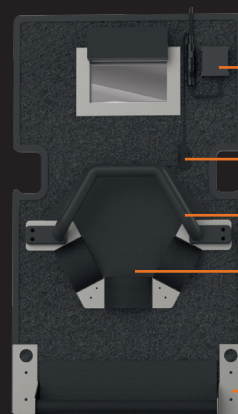
● ● ● ● ● SHIELD



- EN 1063 BR7 Protection level
- 18x10 cm EN 1063 BR7 viewport
- 93x53 cm
- 26 kg total weight
- Polyurea coated



- 6W total Led power
- IP65 cooling alloy frame
- Flash and full power modes
- Safety valve for pressure & moisture
- 12V 3500mAh rechargeable battery pack
- IP68 cable socket
- 4h battery life at full power mode
- 750 gr total system weight



- Battery pack
- Control unit
- Rubber coated alloy handlebars
- PU foam support
- Protective alloy corner frames



- PU foam support
- Alloy frame supported gunport
- Usable by left and right arm
- Velcro adjustable arm straps
- Robust stand up bar



BALLISTIC PROTECTIVE **SHIELD**

GRBK-216 ● ● ● ● ● ●



- EN 1063 BR7 Protection level
- 18x10 cm EN 1063 BR7 viewport
- 93x53 cm
- 26 kg total weight
- Polyurea coated



- 6W total Led power
- IP65 cooling alloy frame
- Flash and full power modes
- Safety valve for pressure & moisture
- 12V 3500mAh rechargeable battery pack
- IP68 cable socket
- 4h battery life at full power mode
- 750 gr total system weight

- PU foam support

- Control unit
- Velcro adjustable arm
- Battery pack

- Protective alloy corner frames



- Rubber coated alloy handlebars

- Alloy frame supported gunport

- Robust stand up bar

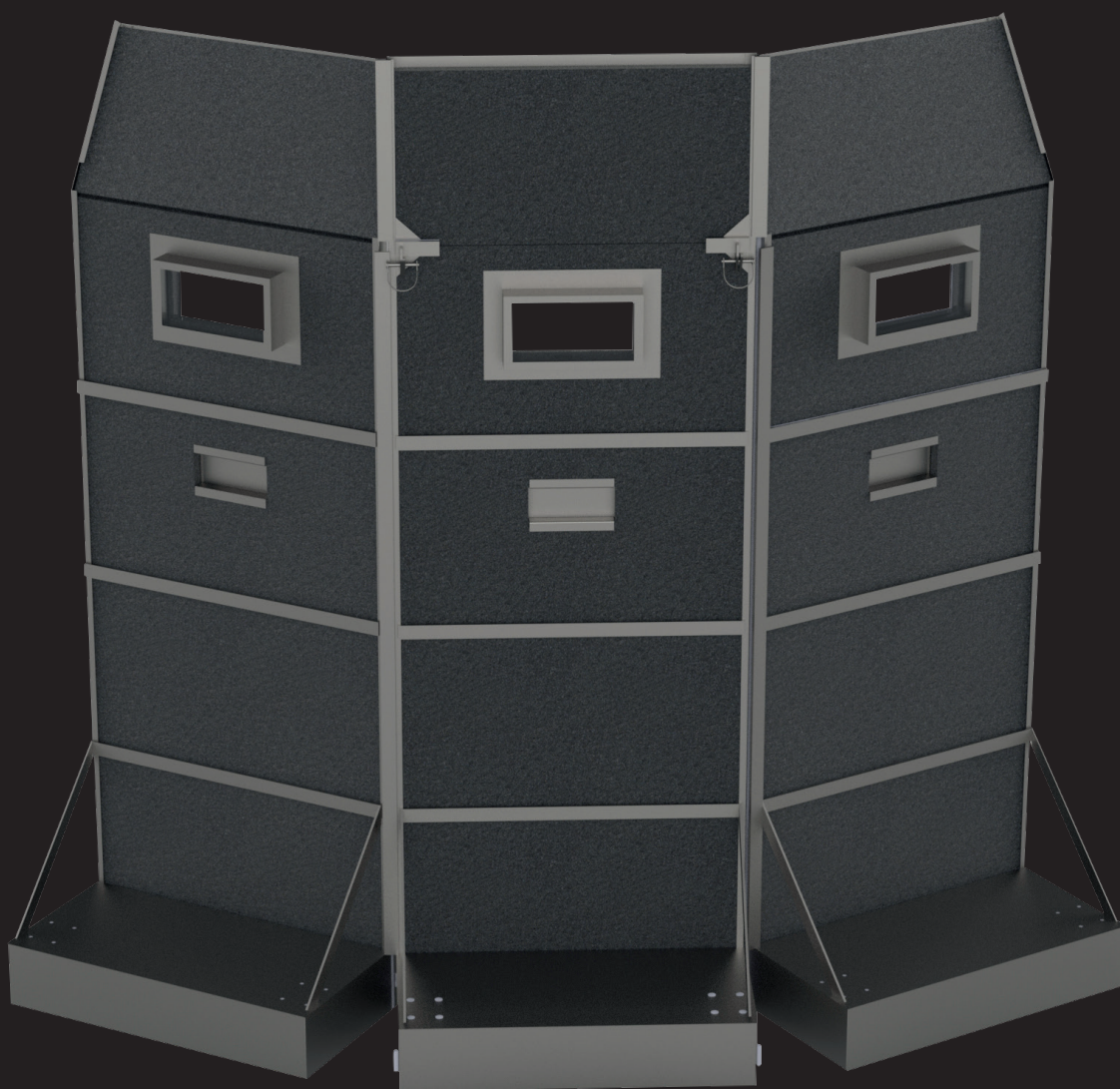


BALLISTIC PROTECTIVE SHIELD

VERSATILITY & MOBILITY

EXTREME PROTECTION

GRBS-316 ● ● ● ● ● ● ●



- NIJ0108.01 level IV protection
- 75x200 cm x 3 detachable shield panels
- 120 kg x 3 shields, total weight 360 kg
- All joints are protected by armor steel overlaps



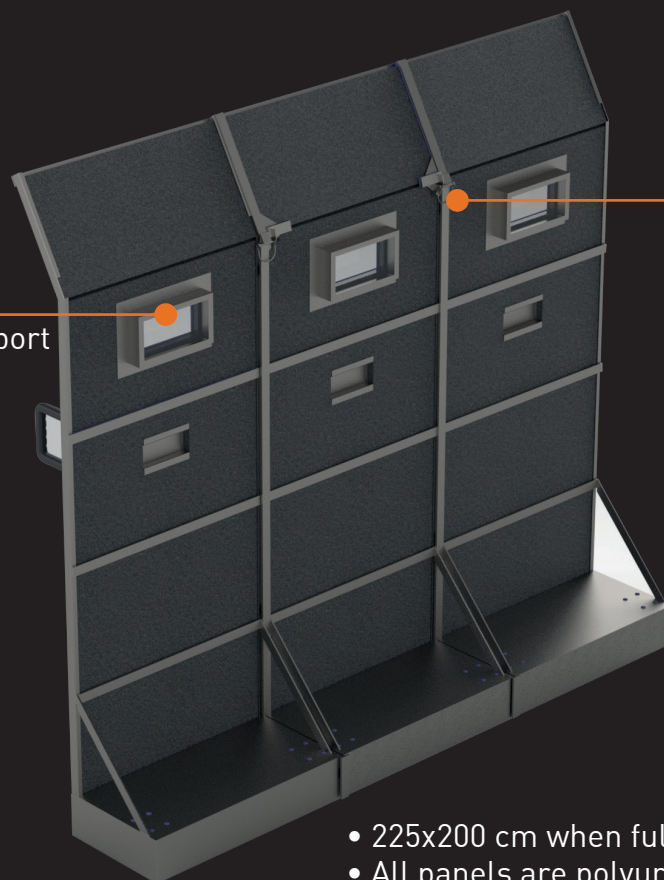
- Easy attachment of shields by screw in knobs

- 17x8 cm gunport made of armor steel
- Slideable by one hand

- 3 rubber wheels and 2 fixing pins per shield

- 90 degree folded position
- Foldable top panel
- Top to bottom ballistic protection

- Replaceable ballistic panels
- Robust pushing handles



- 24x12 cm ballistic viewport

- Quickly foldable top panel on centre shield

- 225x200 cm when fully deployed
- All panels are polyurea coated



BALLISTIC PROTECTIVE **SHIELD**

GRBK-217 ● ● ● ● ● ●



● Polyurea coated

● Usable on either left or right hand

● PU foam support



- Material : UHMWPE
- Color : Black
- Shield Dimensions : 560 mm x 950 mm (±10 mm)
- Viewport Dimensions : 400 mm x 100 mm (±10 mm)
- Weight : 8 kg

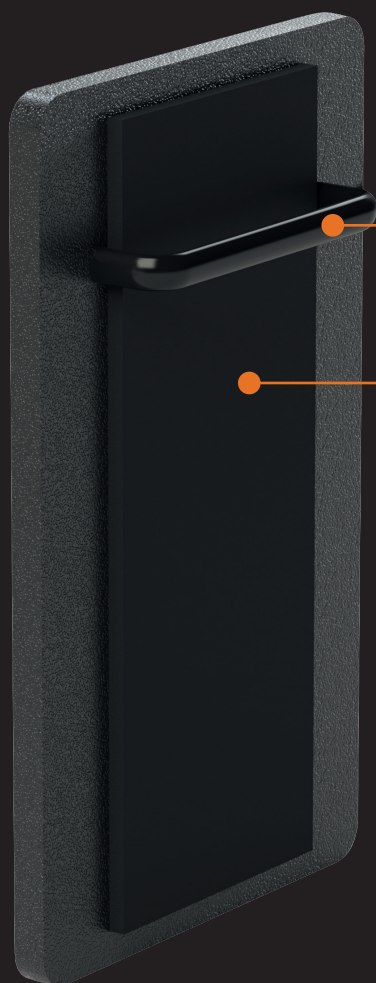
Standalone protection as per NIJ 0108.01 level IIIA for shield and visor
Single Curved R400 (±10)



● ● ● ● ● ● GRBK-410



- Polyurea coated



- Usable on either left or right hand

- PU foam support

- Stand alone protection as per NIJ 0108.01 level III
- Dimensions : 30x50 cm
- Weight : 3 kg



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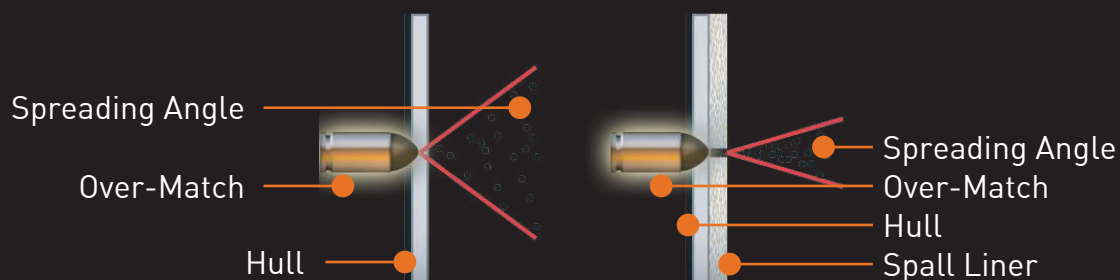
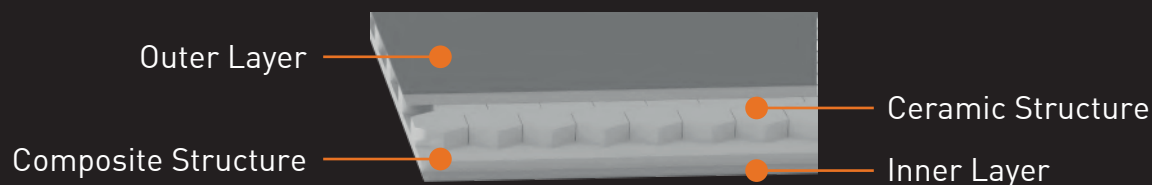
VEHICLE ARMOR SOLUTIONS

STANAG 4569 Level 3-4-5-6 Armor Panels

It is an add-on composite armor structure designed for air, land and sea platforms in accordance with Stanag 4569 standard (AEP 55 Vol.1). We offer solutions including high tech products and alternative material options that will provide top level protection against ballistic threats in line with the vehicle type and relevant protection requirements. Lightweight structures produced with advanced composite manufacturing technology combined with the right ceramic solution to meet all technical requirements.

Spall Liner Solutions

It is a composite structure used for the purpose of stopping particles or reducing the spreading angle towards the interior of the vehicle from the hull in case of encountering an over-matching threat over the protection level of armored vehicles. It is offered in UHMWPE, aramid, glass fiber and as hybrid solutions. It has paintable, adherable and non-flammable surfaces.





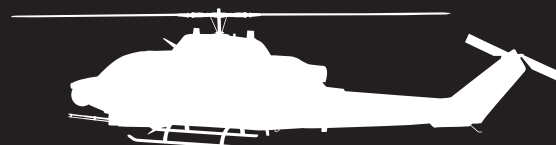
● ● ● ● ● ● LIGHT WEIGHT ARMOR PANELS ON AIRCRAFTS
HELP SAVING FUEL, REDUCE OPERATING COSTS,
AND INCREASE FLYING RANGE.



ADVANTAGES OF LIGHT WEIGHT ARMOR PANELS

ON AIR PLATFORMS:

- MORE AGILITY
- HIGH PERFORMANCE ON HIGH ALTITUDE
- SAFE FLIGHT ON LOWER ALTITUDE
- SUPERIOR PROTECTION FOR PILOTS AND ELECTRONICAL EQUIPMENTS
- LOW VIBRATION AND NOISE LEVEL



ON MARINE PLATFORMS:

- ATTACHABLE / DETACHABLE ARMOR PANELS
- EXTREMELY LIGHT WEIGHT COMPARING TO FIBER GLASS AND CERAMIC SOLUTIONS
- IDEAL SOLUTIONS FOR PATROL AND ASSAULT BOATS
- LOW VIBRATION AND NOISE LEVEL
- ALL WEATHER COATING



ON LAND PLATFORMS :

- ABLE TO STOP MULTI SHOTS
- %90 LIGHTER THAN STEEL ARMOR SOLUTIONS
- LOW VIBRATION AND NOISE LEVEL
- EXTRA SPACE / VOLUME ON VEHICLES DUE TO THE THICKNESS OF THE PANEL



BALLISTIC PROTECTIVE GARMENTS AND **EQUIPMENTS**

”



Garanti Kompozit uses high-tech materials to produce various ballistic protective composite products, performance enhancing clothing and equipment such as EOD suits, Demining suits, Bomb blankets, ballistic briefcase, Fragment and Slash protective garments for military, law enforcement, professional and civilian use.



EOD SUIT COMPLETE WITH HELMET AND VISOR

● ● ● ● ● GR-BAT.05

Our new type of EOD SUIT COMPLETE WITH HELMET AND VISOR, which we designed considering the heavy-duty conditions of bomb disposal technicians, is lighter, useful, easier to don and doff, modular and has a superior protection level compared to its competitors. It can be used by personnel who are 170 - 190 cm tall and weigh 65-100 Kg. The carrier suit, which is made of rip-stop woven meta-aramid fabric has high tear and abrasion strength and offers a long service life. This EOD suit is made of permanently flame-retardant materials and protects the wearer up to a certain level from over pressure, fragments and impacts that may occur because of an explosion.

The EOD suit consists of the following parts;

- Protective helmet and visor
- Protective jacket
- Protective pants and boot covers
- Protective groin panel
- Protective gloves and hand protection
- Protective groin and chest plates
- Adjustable spine-protective structure integrated in the trousers
- Power supply cables and control panel
- Protective face mask (balaclava)
- Protective underwear set against fragments (optional)
- Transportation bag



PROTECTIVE HELMET AND VISOR:

The protective helmet, made of high performance ballistic protective materials to be extremely light, has a ballistic protective visor that can be opened in different positions.

A ventilation system is integrated into the headgear to ensure that the user is comfortable in hot environments.

Inside the helmet, there is a liner system made of flame retardant materials providing high comfort and impact resistance, offered in three different thicknesses. Likewise, the chin strap system, which is attached to the helmet at 4 points and can be adjusted according to the head circumference is also produced from materials which are flame retardant.

In order for the user to work comfortably in dark environments, there is a multi-LED lighting system on the helmet and a power supply unit for the ventilation and lighting systems.

There is also an extremely modern environmental communication system within the helmet along with a camera mounted on front side of the helmet.

Offering high ballistic protection and optical performance in accordance with the NIJ0117.00 standard, the visor is protected against scratching and fogging.

The headgear and visor system assembly is designed taking into account the center of gravity of the head so that the neck and shoulder muscles of the user is not tired.

The total weight of the helmet and visor is 5600 ± 400 gr.

- Adjustable ultra high speed ventilation capability with turbo mode.
- Fully integrated UV and white LEDs with adjustable intensity that can be used together or separately.
- Fully integrated camera with 140 degree view angle and with a 1080P resolution. Recording on an SD card and video transmission via wifi.
- Integrated Telecom system with PTT feature and auto noise reduction at 95dB down to 35dB.
- Magnetic chin buckle for quick release.
- Enlarged visor with demister and anti-fog liners with vent position.



EOD SUIT COMPLETE WITH HELMET AND VISOR



PROTECTIVE JACKET:

The protective jacket, designed to provide the user with maximum comfort, protects the entire upper body. The user's collar area is also protected by a design that slopes out all around the neck area.

There are pockets on the jacket where additional hard ballistic protection panels can be placed to cover the groin and front chest area.

There are different sized pockets on the jacket to accommodate various equipment, such as radio, mobiles and backup power supply etc.

There are panic zippers on the jacket for urgent removal of the garment.

PROTECTIVE PANTS:

The pants are designed to be used comfortably by users of different sizes thanks to the adjustable suspension system and elastic waist bands.

There are panic zippers on the pants for urgent removal of the garment.

There is an adjustable spine protection structure integrated into the pants against possible impacts. The pants are tied to the boot covers and completely cover the foot area of the user.

GROIN PROTECTOR:

It is designed to provide protection to the user's groin area. It does not restrict the user's movements.

It can be fixed to pants with velcros.

PROTECTIVE GLOVES AND HAND PROTECTION:

It is designed to provide protection to the user's hand area. It does not restrict the use of hands. It can be easily be removed.

PROTECTIVE GROIN AND CHEST PLATES:

They are extremely lightweight composite structures with a high protection value, designed to provide additional shrapnel and pressure protection in the groin and front chest area of the user. They can be easily attached and removed from the pockets on the front of the jacket. They don't prevent the comfort of the user by sliding under each other in case of bending or crouching.

SPINE-PROTECTIVE BACK PANEL INTEGRATED IN THE PANTS:

It is a flexible, adjustable, anti-sweat, waterproof and lightweight protective structure with high impact absorption properties, designed to protect the user's back against impacts. It is integrated into the pants.

BACKUP POWER SUPPLY CONNECTION CABLES AND CONTROL PANEL:

There is a backup power supply unit for the systems on the helmet that require energy. It is located in a pocket on the jacket and provides energy to the system through the cables. In order to control these systems easily, the control panel can be fixed to the arms and similar parts of the gear with the help of velcros. The control panel has an illumination feature for night use. Ultralight touch pad control displays malfunction warning and battery level indicator.



EOD SUIT COMPLETE WITH HELMET AND VISOR

PROTECTIVE FACE MASK (BALACLAVA):

It is a light and comfortable face mask made of knitted fabrics made of meta aramid fibers in order to protect the neck and face of the user from flame. 3 pieces are provided with each suit.

PROTECTIVE UNDERWEAR SET (OPTIONAL):

It is an underwear set made of knitted fabrics made of UHMWPE fiber, offered to provide additional shrapnel protection to the user. Made for upper and lower body. It provides high protection especially against extremely small fragments. Thanks to its fiber feature, it increases the comfort of the user by giving a cool feeling.

CARRYING BAGS:

Protective helmet and visor are provided in its own carrying bag, and the remaining clothing is provided in another carrying bag. Carrying bags are made of polyamide 6.6 fabrics with high tensile strength and high abrasion resistance.

BALLISTIC PERFORMANCE OF THE EOD SUIT:

- Helmet - V50 value for 17 grain FSP is min. 640 m/s
- Helmet - V50 value for 44 grain FSP is min. 550 m/s
- Visor - V50 value for 17 grain FSP is min. 780 m/s
- Jacket front and collar front - V50 value for 44 grain FSP is min. 530 m/s
- Plate areas on the jacket - V50 value for 44 grain FSP is min. 1100 m/s
- Plate areas on the jacket - V50 value for 207 grain FSP is min. 750 m/s
- Back and sleeves - V50 value for 17 grain FSP is min. 560 m/s
- Groin - V50 value for 17 grain FSP is min. 600 m/s
- Pants - V50 value for 17 grain FSP is min. 620 m/s
- Hand protection - V50 value for 17 grain FSP is min. 560 m/s

GEAR'S PROTECTIVE FEATURES AGAINST 10 KG C4 EXPLOSIVE:

- The helmet can reduce the excessive pressure on the ears by at least 78% as a result of the explosion of 10 Kg C4 plastic explosive at a distance of 3 meters to the user in the open environment.
- The helmet can reduce the acceleration created by the pressure wave caused by the explosion by at least 85%.
- The front part of the jacket can reduce the overpressure by min. 85%



BALLISTIC PROTECTIVE GARMENTS AND **EQUIPMENTS**

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Garanti Kompozit uses high-tech materials to produce various ballistic protective composite products, performance enhancing clothing and equipment such as EOD suits, Demining suits, Bomb blankets, ballistic briefcase, Fragment and Slash protective garments for military, law enforcement, professional and civilian use.



EOD SUIT COMPLETE WITH HELMET AND VISOR

● ● ● ● ● ● GR-BAT.06



Our new type of EOD SUIT COMPLETE WITH HELMET AND VISOR, which we designed considering the heavy-duty conditions of bomb disposal technicians, is lighter, useful, easier to don and doff, modular and has a superior protection level compared to its competitors. It can be used by personnel who are 170 - 190 cm tall and weigh 65-100 Kg. Sizes and colors are also available upon customer request. The carrier suit, which is made of rip-stop woven meta-aramid fabric has high tear and abrasion strength, as well as anti-static properties and offers a long service life. This EOD suit is made of permanently flame-retardant materials and protects the wearer up to a certain level from over pressure, fragments and impacts that may occur because of an explosion.

The EOD suit consists of the following parts;

- Protective helmet and visor
- CBRN visor (optional). Compatible with CBRN mas and canister.
- Protective jacket
- Protective pants and boot covers
- Protective groin panel
- Protective gloves and hand protection
- Protective groin and chest plates
- Adjustable spine-protective structure integrated in the trousers
- Power supply cables and control panel
- Protective face mask (balaclava)
- Protective underwear set against fragments (optional)
- Cooling suit (optional) 3 pieces made of hood, top and bottom
- CBRN underwear (optional) 4 pieces made of coverall, hood, gloves and socks
- Breathing apparatus (optional)
- CBRN mask and canister (optional)
- Hardwire communication system (optional)
- Wireless communication system with neck microphone (optional)
- Transportation bag



PROTECTIVE HELMET AND VISOR:

The protective helmet, made of high performance ballistic protective materials to be extremely light, has a ballistic protective visor that can be opened in different positions.

A ventilation system is integrated into the headgear to ensure that the user is comfortable in hot environments.

Inside the helmet, there is a liner system made of flame retardant materials providing high comfort and impact resistance, offered in three different thicknesses. Likewise, the chin strap system, which is attached to the helmet

at 4 points and can be adjusted according to the head circumference is also produced from materials which are flame retardant.

In order for the user to work comfortably in dark environments, there is a multi-LED lighting system on the helmet and a power supply unit for the ventilation and lighting systems.

There is also an extremely modern environmental communication system within the helmet along with a detachable camera mounted on front side of the helmet.

Live transmission of video feed by wire and wirelessly from over 100m and video shot viewable live from field control post.

Offering high ballistic protection and optical performance in accordance with the NIJ0117.00 standard, the visor is protected against scratching and fogging.

The headgear and visor system assembly is designed taking into account the center of gravity

of the head so that the neck and shoulder muscles of the user is not tired.

The total weight of the helmet and visor is 5600 ± 400 gr.

- Adjustable ultra-high speed ventilation capability with turbo mode.

- Fully integrated UV and white LEDs with adjustable intensity that can be used together or separately.

- Fully integrated camera with 140-degree view.

- Angle and with a 1080P resolution. Recording on an SD card and video transmission via wi-fi.

- Integrated Telecom system with PTT feature and auto-noise reduction at 95dB down to 35dB.

- Enlarged visor with demister and anti-fog liners with vent position.



EOD SUIT COMPLETE WITH HELMET AND VISOR

PROTECTIVE JACKET:

The protective jacket, designed to provide the user with maximum comfort, protects the entire upper body. The user's collar area is also protected by a design that slopes out all around the neck area.

There are pockets on the jacket where additional hard ballistic protection panels can be placed to cover the groin and front chest area.

There are different sized pockets on the jacket to accommodate various equipment, such as radio, mobiles and backup power supply etc.

There are panic zippers on the jacket for urgent removal of the garment.

PROTECTIVE PANTS:

The pants are designed to be used comfortably by users of different sizes thanks to the adjustable suspension system and elastic waist bands.

There are panic zippers on the pants for urgent removal of the garment.

There is an adjustable spine protection structure integrated into the pants against possible impacts. The pants are tied to the boot covers and completely cover the foot area of the user.

GROIN PROTECTOR:

It is designed to provide protection to the user's groin area. It does not restrict the user's movements.

It can be fixed to pants with velcros.

PROTECTIVE GLOVES AND HAND PROTECTION:

It is designed to provide protection to the user's hand area. It does not restrict the use of hands. It can be easily be removed.

PROTECTIVE GROIN AND CHEST PLATES:

They are extremely lightweight composite structures with a high protection value, designed to provide additional shrapnel and pressure protection in the groin and front chest area of the user. They can be easily attached and removed from the pockets on the front of the jacket. They don't prevent the comfort of the user by sliding under each other in case of bending or crouching.

SPINE-PROTECTIVE BACK PANEL INTEGRATED IN THE PANTS:

It is a flexible, adjustable, anti-sweat, waterproof and lightweight protective structure with high impact absorption properties, designed to protect the user's back against impacts. It is integrated into the pants.

BACKUP POWER SUPPLY CONNECTION CABLES AND CONTROL PANEL:

There is a backup power supply unit for the systems on the helmet that require energy. It is located in a pocket on the jacket and provides energy to the system through the cables. In order to control these systems easily, the control panel can be fixed to the arms and similar parts of the gear with the help of velcros. The control panel has an illumination feature for night use. Ultra-light touch pad control displays malfunction warning and battery level indicator.



CONTROL PANEL FEATURES:

- On/off switch
- Fan speed control switch with turbo feature
- Demister on/off switch
- Environmental communication system
- Wireless communication system
- Led light on/off switch with adjustable led intensity
- Speaker volume control
- Display the status of the connection between the helmet and remote communication



EOD SUIT COMPLETE WITH HELMET AND VISOR

PROTECTIVE FACE MASK (BALACLAVA):

It is a light and comfortable face mask made of knitted fabrics made of meta-aramid fibers in order to protect the neck and face of the user from flame. 3 pieces are provided with each suit.

PROTECTIVE UNDERWEAR SET (OPTIONAL):

It is an underwear set made of knitted fabrics made of UHMWPE fiber, offered to provide additional shrapnel protection to the user. Made for upper and lower body. It provides high protection especially against extremely small fragments. Thanks to its fiber feature, it increases the comfort of the user by giving a cool feeling.

CARRYING BAGS:

Protective helmet and visor are provided in its own carrying bag, and the remaining clothing is provided in another carrying bag. Carrying bags are made of polyamide 6.6 fabrics with high tensile strength and high abrasion resistance.

BALLISTIC PERFORMANCE OF THE EOD SUIT:

- Helmet - V50 value for 17 grain FSP is min. 640 m/s
- Helmet - V50 value for 44 grain FSP is min. 550 m/s
- Visor - V50 value for 17 grain FSP is min. 780 m/s
- Jacket front and collar front - V50 value for 17 grain FSP is min. 600 m/s
- Jacket front and collar front - V50 value for 44 grain FSP is min. 530 m/s
- Plate areas on the jacket - V50 value for 17 grain FSP is min. 1800 m/s
- Plate areas on the jacket - V50 value for 44 grain FSP is min. 1100 m/s
- Plate areas on the jacket - V50 value for 207 grain FSP is min. 750 m/s
- Jacket/collar back and sleeves - V50 value for 17 grain FSP is min. 560 m/s
- Groin - V50 value for 17 grain FSP is min. 600 m/s
- Pants front - V50 value for 17 grain FSP is min. 690 m/s
- Pants rear - V50 value for 17 grain FSP is min. 250 m/s
- Pants shin area - V50 value for 17 grain FSP is min. 690 m/s
- Hand protection - V50 value for 17 grain FSP is min. 560 m/s
- Boots protection - V50 value for 17 grain FSP is min. 450 m/s

GEAR'S PROTECTIVE FEATURES AGAINST 10 KG C4 EXPLOSIVE:

- The helmet can reduce the excessive pressure on the ears by at least 78% as a result of the explosion of 10 Kg C4 plastic explosive at a distance of 3 meters to the user in the open environment.
- The helmet can reduce the acceleration created by the pressure wave caused by the explosion by at least 85%.
- The front part of the jacket can reduce the overpressure by min. 85%

WEIGHT INFORMATION: (+/- %5)

Helmet: 5,62 kg

Top-bottom garment: 22,95 kg

Foot protection: 0,90 kg

Hand protection: 0,34 kg





EOD LIGHT WEIGHT SUIT WITH HELMET AND VISOR

GR-BAT.04



GR-BAT.04 model EOD suit is designed to protect users from blast fragmentation of explosives in the highest possible protection level. The suit is so light, soft, flexible, versatile, and ergonomic that it does not limit the mobility of the user.

EOD Suit is manufactured in a modular structure, so that these modular parts can be added and removed according to requirement of the user.

The Suit consists of 14 pieces of ballistic protective modular components, one ballistic protective helmet, one ballistic protective visor, a pair of ballistic protective goggles and 2 pieces of ballistic protective plates.





EOD LIGHT WEIGHT SUIT WITH HELMET AND VISOR

Multi-purpose usage:

The equipment is designed as set of a modular components. It does not restrict the mobility of the user as it has an extremely light solution using advanced technology materials. Adding or removing these modular components are so easy and quick. V50 value for 17 grain FSP is min 400 m/s (1310 ft/s) all around the suit. When the hard armor panels are added V50 value for 17 grain FSP increases up to min 1800 m/s. (6000 ft/s)

- Right and left arm protectors - V50 value for 17 grain FSP is min 400 m/s (1310 ft/s)
- Right and left shoulder protectors - V50 value for 17 grain FSP is min 550 m/s (1805 ft/s)
- Right and left lower leg V50 value for 17 grain FSP is min 500 m/s -Foot protectors- V50 value for 17 grain FSP is min 400 m/s (1310 ft/s)
- Upper leg protector - V50 value for 17 grain FSP is min 400 m/s (1310 ft/s)
- Collar and shoulder protector -V50 value for 17 grain FSP is min 550 m/s (5250 ft/s)
- Protective Short - V50 value for 17 grain FSP is min 400 m/s and backside V50 value for 17 grain FSP is min 550 m/s (5250 ft/s)
- Protective Belt V50 value for 17 grain FSP is min 400 m/s (1310 ft/s)
- Protective Vest - V50 value for 17 grain FSP is min 500 m/s (1640 ft/s)
- Chest area protected by additional hard armor plate- V50 value for 17 grain FSP is min 1800 m/s. (6000 ft/s)
- Groin area protected by additional hard armor plate- V50 value for 17 grain FSP is min 1600 m/s (5250 ft/s)

Ballistic Protective Helmet and Visor:

Ballistic protective helmet is designed to protect the head of the user against fragments of 17 grain FSP with a V50 value of min. 725 m/s (2375 ft/s). Visor provides a V50 value of min 650 m/s (2130 ft/s) against 17 grain FSP.



Ballistic Protective Visor



Ballistic Protective Torso Plates Inserts
Chest Plates (25x43 cm) (10x17 inches)



Ballistic Protective Groin Plates
(25x34 cm) (10x13 inches)

EOD suit is not designed for bomb disposal. It is designed to protect users from blast fragmentation of explosives in the highest possible protection level according to the technical specifications in this brochure. There is not any commitment to protect users from all explosives threats that users can face.



DEMINING SUIT WITH VISOR

GR-MAT.04



- The Suit consists of 8 ballistic protective modular components for hands, arms, torso, groin and legs.
- Extremely light.
- Easy to don and doff.
- Different size and color options are available.
- Provides comfortable usage in hot climate.
- Easy to wash and clean the carrier suit.
- Hygienic design.

TECHNICAL SPECIFICATIONS:

- V50 Value for 17 gr FSP STANAG 2920: min 450 m/s (1475 ft/s).
- Weight: Max. 7600 gr. (16.75 lbs.) (Excluding gloves and spike)

PRODDING NEEDLE:

Weight: Max. 300 gr (0.7 lbs)

Needle Length (Excluding handles): 30 (±2) cm. 12 in. (±0.8)

Non-magnetic Titanium needle

Comfortable handling, ergonomic design Used as I or T

GLOVES FOR DEMINING PERSONNEL:

V50 Value for 17 gr FSP STANAG 2920: min 450 m/s. (1475 ft/s).



Our product is manufactured according to IMAS 10.30 standard.



DEMINING SUIT WITH VISOR



- Made of highly durable 5mm (0.20") thick polycarbonate material that protects the whole face and neck part of the user.
- Extremely light.
- Easy to install, remove and clean.
- Comes with ergonomic and practical head frame and chin strap.
- Provides clear vision from all angles.
- Replaceable scratch shield that protects the visor.
- Protection level: According to the STANAG 2920, V50 value is min. 250 m/s (820 ft/s) against 17 grain FSP.
- Comes with a fabric carrying bag.

TECHNICAL SPECIFICATIONS:

Material	: Polycarbonate
Visor Length	: 300 mm (12")
Visor Protection Area	: 1265 cm ² (196 in ²)
Dimensions	: 33 x 25 cm (13.0" x 10")
Weight	: 1100 gr. (2.4 lbs.)

*All measurements are within a tolerance of $\pm 8\%$



BOMB SUPPRESSION BLANKET & SAFETY CIRCLE

GRN-BBSC-0001



We offer to our valuable customers a lightweight, portable, flexible product. It is made of multiple layers of water repellency treated woven aramid fabric that is capable of ballistic protection and enveloped in a flame retardant and water repellent PA66 carrier.

Easily folded and stored in the carrying bag which has straps all around for easy transportation / quick deployment and also permits safe placing over a suspected explosive device.

The Bomb Suppression Blanket and Safety Circle eliminates direct contact with a bomb and provides a safe environment for its disposal.

TECHNICAL SPECIFICATIONS

Material: High-Strength Aramid Fabric (High Tenacity 1000D PA66 outer cover)

Protection Level: V50 value tested with .22 Cal., 17 grain FSP according to STANAG 2920 - Min 500 m/s

BOMB BLANKET

Size: 1550 mm x 1550mm (W x L)

Weight: 11 kg (± 0,5 kg)

SAFETY CIRCLE

Size: 1550 mm x 450mm (L x H)

Weight: 4 kg (± 0,5 kg)





PORTABLE FRAGMENT SHIELD

● ● ● ● ● GRN-PFRS-0001

We offer to our valuable customers a lightweight, portable, flexible product. It is made of multiple layers of water repellency treated woven aramid fabric that is capable of ballistic protection and enveloped in a flame retardant and water repellent PA66 carrier.

Easily folded and stored in the carrying bag which has straps all around for easy transportation / quick deployment and also permits safe placing over a suspected explosive device.

TECHNICAL SPECIFICATIONS

Dimensions in open view	: 80 x 180 cm
Dimensions in folded view	: 30x80 cm
Weight	: 7 kg
V50 value for 17 gr FSP STANAG 2920	: min. 500 m/sn
Ballistic Protective Panel	: Woven Aramid
Outer fabric	: Flame Retardant Polyamide 6.6



OPEN VIEW



FOLDED VIEW



BALLISTIC BRIEFCASE

GRN-BBRC-0001



Ultra light weight ballistic protective briefcase offers you fast deployment and easy usage with a non- threatening appearance. Three part briefcase provide carrier protection against different threat levels. Color options are available and size of briefcases can be adjustable according to the customer requirements.

BALLISTIC BRIEFCASE TECHNICAL SPECIFICATIONS

Ballistic material UHMWPE

Protection level NIJ Level IIIA

Size 55 cm x 40cm (closed) - 55cm x 120 cm (opened)

Weight 7,3 kg

Briefcase cover Nylon

Color Black

BALLISTIC BRIEFCASE TECHNICAL SPECIFICATIONS

Ballistic material UHMWPE

Protection level NIJ Level IIIA

Size 55 cm x 40cm (closed) - 55cm x 120 cm (opened)

Weight 4,5 kg

Briefcase cover Nylon

Color Black





BALLISTIC BRIEFCASE

● ● ● ● ● GRN-BBRC-0002

Ultra light weight ballistic protective briefcase offers you fast deployment and easy usage with a non- threatening appearance. Three part briefcase provide carrier protection against different threat levels. Color options are available and size of briefcases can be adjustable according to the customer requirements.

BALLISTIC BRIEFCASE TECHNICAL SPECIFICATIONS

Ballistic material UHMWPE

Protection level NIJ Level III

Size 55 cm x 40cm (closed) - 55cm x 120 cm (opened)

Weight 13,9 kg

Briefcase cover Nylon

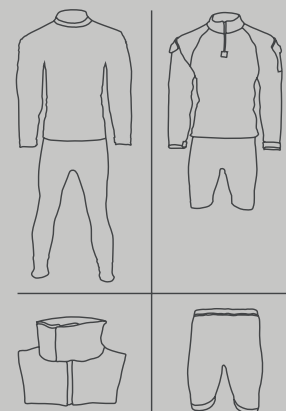
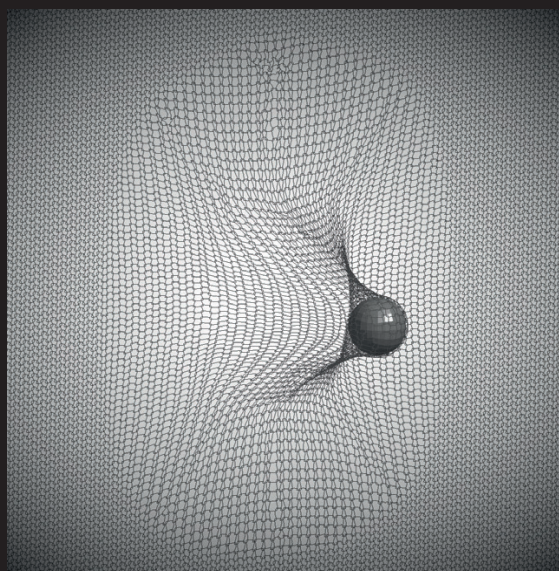
Color Black





FRAGMENT AND SLASH PROTECTIVE INNER AND OUTER WEAR

GG-BIOW-0001/5



- We are offering fragment and slash protective inner and outer wear products with a brand-new technology!
- Fragment protection is crucial for human body areas where there are many capillaries, such as groin and neck area. Once small particles are penetrated into body, medical treatment can be much more complicated and difficult compared to bullet wounds. Our fragment and slash protective gear reduces risk of injury and increase survivability rate.
- These garments make it more difficult for micro fragments to penetrate in to human body, reduce the number of penetrating particle and reduce penetration depth, thus make the medical treatment much easier.
- Our fragment and slash protective gear is also very useful to protect body areas such as arms and neck against slash attacks.
- Our garments are made of UHMWPE Dyneema® knits and thanks to elastan content they are very comfortable to wear, and provide a cool feeling as well.

Fragment And Slash Protection Gear And Protection Levels	STANAG 2920 min V50 m/s 2 gr RCC	STANAG 2920 min V50 m/s 17 gr FSP	ISO 13997 Level	ISO 13997 Force N	DIN 388 Level
Under Wear Pants					
Body	260	180	A	3,4	2
Groin	290	235	B	6,4	2
Under Wear Shorts					
Body	260	180	A	3,4	2
Groin	290	235	B	6,4	2
Long Sleeves Under Wear					
Body And Sleeves	260	180	A	3,4	2
Collar	290	235	B	6,4	2
Combat Shirt					
Body	260	180	A	3,4	2
Collar	370	320	C	10,8	3-4
Sleeves	300	310	B	10,5	3-4
Neck Protection					
Body	290	235	B	6,4	2
Collar	380	315	D	15,6	4



BALLISTIC PROTECTIVE UNDERWEAR

● ● ● ● ● GG-BU-0001

- Comfortable and tight-fitting design, mid-thigh length ballistic underwear gives protection against fragments.
- Sewn protective material/ reinforcement fabric on the outside of underwear.
- Flame retardant and quick drying features.

TECHNICAL SPECIFICATIONS

Size	: S-M-L-XL-XXL
Main Material Composition	: 95% polyester - 5% Elasthane
Protective Material	: UHMWPE knits
Protective Material Weight	: 210 g/m ² ± 10 g/ m ²
V50 value for 2 grain RCC, STANAG 2920	: Min. 300 m/s
Protection area	: Front, back and crotch





BALLISTIC PROTECTIVE **VEST**

We are designing our ballistic protective vests according to customer specifications. Before offering them to our customers, we test and verify our ballistic protective solutions in our accredited testing laboratory according to specific threats listed in the international standard's protection levels and document the results. All our light, ergonomic and top quality ballistic protective vests pass through the preset testing protocols as per the sampling standards of our quality assurance system before, during and after production.

Our ballistic protective vests can be used together with our additional ballistic protective attachments for the body parts such as groin, shoulder, upper arm, leg, throat, waist and neck etc). Thanks to our Molle design, several magazine pouches and bags can be attached to the carrier vest, which is waterproof and highly abrasion resistant, made of polyamide 6.6 materials. We also offer flame retardant carriers if needed by the customers.



BALLISTIC PROTECTIVE VEST

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GG-PT2001

MILITARY TACTICAL VEST



- Precise size adjustment from shoulders and waist



- Molle system



- Magazine Pouches

- Groin protection



Black



Navy Blue



Coyote Tan



Military Green



Khaki



Camouflage Patterns



Upon Request

Available Colors

S

M

L

XL

XXL

Protection level

Weight without ballistic inserts

Vest total weight

Total Protection Area (L size)

Outer fabric

Accessories

Plate pouch

: NIJ Level IIIA

: 1040 grams

: 3450 grams

: 34,5 dm²

: Polyamide 6.6 700D

: Magazine pouches (5), multi-purpose bag (1), multi-purpose pouch (1), battery pouch (1), radio pouch (1), grenade pouches (2), gas canister pouches (2,) hanger strap (1), MP4 magazine pouch (4)

: Front, back



BALLISTIC PROTECTIVE VEST

GG-PT2002



MILITARY TACTICAL VEST



- Multi purpose bag



- Precise size adjustment from shoulders and waist



S

M

L

XL

XXL

Protection level	: NIJ Level IIIA
Weight without ballistic inserts	: 1500 grams
Vest total weight	: 5600 grams
Total Protection Area (L size)	: 72,5 dm ²
Outer fabric	: Polyamide 6.6 1000D
Accessories	: Magazine pouches (4), multi purpose bag (1), radio pouch (1), grenade pouches (2)
Plate pouch	: Front, back



• Shoulders protection



• Neck protection



• Throat protection



• Laser cut Molle system



• Groin protection

• Arms protection

Available Colors



Black



Navy Blue



Coyote
Tan



Military
Green



Khaki



Camouflage
Patterns



Upon
Request



BALLISTIC PROTECTIVE VEST

GG-PT1012



SPECIAL OPERATION FORCES TACTICAL VEST

- Multi purpose bag



- Precise size adjustment from shoulders and waist



S

M

L

XL

XXL

Protection level	: NIJ Level IIIA
Weight without ballistic inserts	: 2400 grams
Vest total weight	: 5650 grams
Total Protection Area (L size)	: 60 dm ²
Outer fabric	: Polyamide 6.6 1000D
Accessories	: Magazine pouches (4), multi purpose bag (1), radio pouch (1), grenade pouches (2)
Plate pouch	: Front, back



• Shoulders protection



• Neck protection

• Throat protection



• Radio pouch

• Grenade pouches



• Magazine pouches

• Groin protection

Available Colors



Black



Navy Blue



Coyote
Tan



Military
Green



Khaki



Camouflage
Patterns



Upon
Request



BALLISTIC PROTECTIVE VEST

GG-FV1030



FLOATABLE BALLISTIC VEST



- Precise size adjustment from shoulders and waist

- Back protection



S

M

L

XL

XXL

Protection level

: NIJ Level IIIA

Weight without ballistic inserts

: 2000 grams incl. Life vest: 1450 grams

Vest total weight

: 4600 grams

Total Protection Area (L size)

: 43 dm²

Outer fabric

: Polyamide 6.6

Accessories

: Whistle, light, paint

Plate pouch

: Front, back



• Life vest



• Whistle



• Front protection

Available Colors



Black



Navy Blue



Coyote
Tan



Military
Green



Khaki



Camouflage
Patterns



Upon
Request



BALLISTIC PROTECTIVE VEST

GG-PT1010



MILITARY TACTICAL VEST

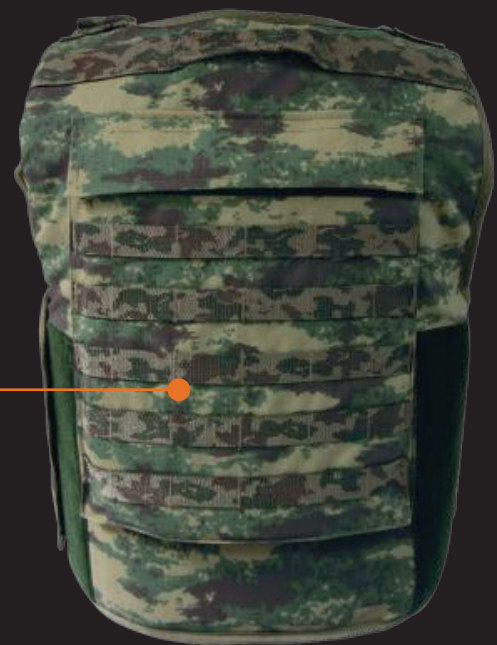


• Front protection

• Magazine
pouches

• Back
protection

• Groin protection



Available Colors

M L XL



Black



Navy Blue



Coyote
Tan



Military
Green



Khaki



Camouflage
Patterns



Upon
Request

Protection level	: NIJ Level IIIA
Total Ballistic Package Weight (L size)	: 3020 grams
Total Protection Area (L size)	: 43 dm ²
Outer fabric	: Polyamide 6.6
Plate pouch	: Front, back



GG-PT1011

TACTICAL VEST WITH LOAD BEARING BELT



Available Colors

M **L** **XL**



Black



Navy Blue



Coyote
Tan



Military
Green



Khaki



Camouflage
Patterns



Upon
Request

Protection level	: NIJ Level IIIA
Total Ballistic Package Weight (L size)	: 2680 grams
Total Protection Area (L size)	: 59,72 dm ²
Outer fabric	: Polyamide 6.6
Plate pouch	: Front, back



BALLISTIC PROTECTIVE VEST

GG-PT1016



OVERT BALLISTIC VEST



- Precise size adjustment from shoulders and waist

- Front protection



- Back protection



S M L XL XXL

Available Colors



Black



Navy Blue



Upon Request

Protection level	: NIJ Level IIIA
Weight without ballistic inserts	: 750 grams
Vest total weight	: 2500 grams
Total Protection Area (L size)	: 33 dm ²
Outer fabric	: Polyamide 6.6 300D
Plate pouch	: Front, back



● ● ● ● ● ● GG-PCR-1002

COVERT BALLISTIC VEST



- Front and Back protection



- Precise size adjustment from shoulders and waist



S M L XL XXL

Available Colors



Black



Navy Blue



White



Upon Request

Protection level	: NIJ Level IIIA
Weight without ballistic inserts	: 250 grams
Vest total weight	: 2050 grams
Total Protection Area (L size)	: 29,5 dm ²
Outer fabric	: Polyamide 6.6 300D
Plate pouch	: Front, back

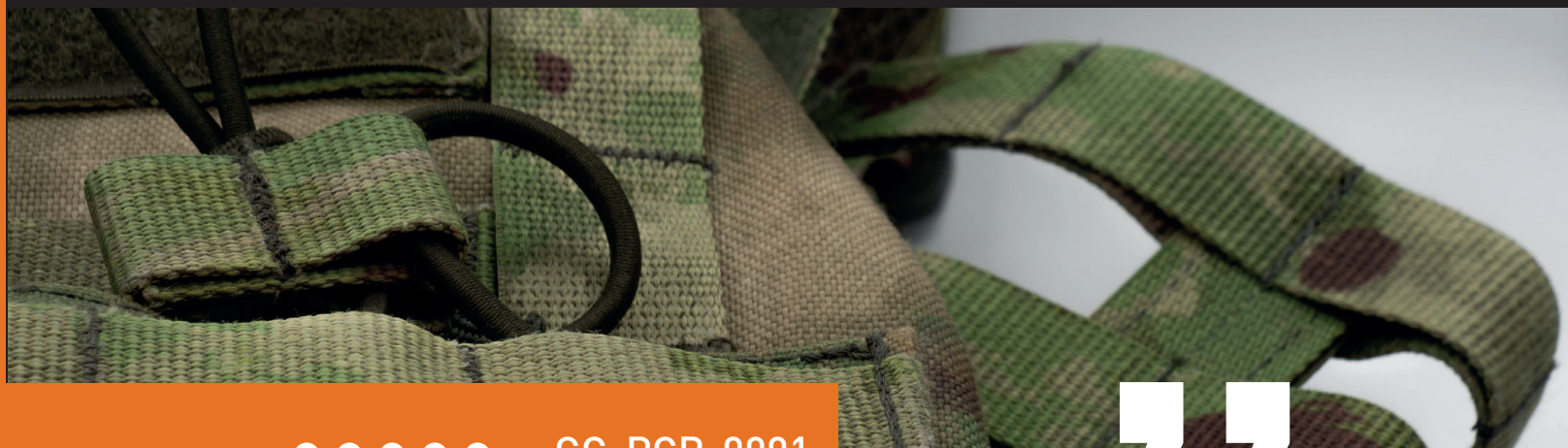
PLATE **CARRIER** ””

Besides our ballistic protective vests, we design and produce plate carriers which are light weight and provide maximum comfort during mobility. We offer various types of plate carriers according to our customer specifications. Our plate carriers are designed to allow the user to choose the level of protection they require for the threats in the battle field. Integrated Molle system offers additional pouches and accessories to be mounted on the carriers for several end use purposes. Plate Carriers are fully adjustable making them comfortable for any body type and have a quick release buckle system for easy removal in emergency situations.





PLATE CARRIER



GG-PCR-0001



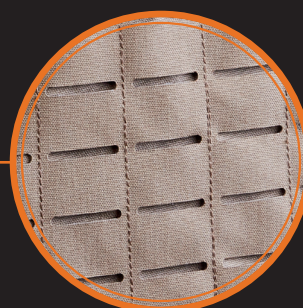
- Comfort pads



Lightweight



- Quick release system



- Laser cut molle system

ONE
SIZE
FITS
ALL

- Laser cut molle system, with quick release feature
- Front & Back comfort pads inside the carrier vest enables air circulation and provides comfort and coolness to user
- Size can be adjustable from shoulders and waist



Black



Navy Blue



Coyote
Tan



Military
Green



Khaki



Camouflage
Patterns



Upon
Request

Available Colors

Vest total weight	: 1125 grams
Outer fabric	: Polyamide 6.6 700D
Plate pouch size	: max. 27 x 32 x 3 cm
Plate pouch	: Front, back



PLATE CARRIER VEST

GG-PCR-0004 ● ● ● ● ● ●



- Precise size adjustment from shoulders and waist



- Back plate pouch

ONE
SIZE
FITS
ALL

- Laser cut molle system, quick release buckles for immediate doffing
- Quick release buckle system on shoulders and waist
- Size can be adjustable from shoulders and waist

Vest total weight

: 1125 grams

Outer fabric

: Polyamide 6.6 700D

Plate pouch size

: max. 25 x 30 x 3 cm

Plate pouch

: Front, back



- Comfort pads



- Quick release buckles



Available Colors



Black



Navy Blue



Coyote
Tan



Military
Green



Khaki



Camouflage
Patterns



Upon
Request



PLATE CARRIER VEST

GG-PCR-0003 ● ● ● ● ● ●



• Radio pouch

• Multi purpose pouches

• Magazine pouches

• Side plate pouch

• Holster



ONE
SIZE
FITS
ALL

- Plate carrier with multi-purpose pouches
- Size can be adjustable from shoulders and waist

Available Colors



Black



Navy Blue



Coyote
Tan



Military
Green



Khaki



Camouflage
Patterns



Upon
Request

Vest total weight

: 1250 grams

Outer fabric

: Polyamide 6.6 700D

Plate pouch size

: max. 25 x 30 x 3 cm

Accessories

: Magazine pouches (6), holster (1), radio pouch (1),
hand grenade pouches (4), bottle pouch (1)

Plate pouch

: Front, back, sides



● ● ● ● ● ● GG-PCR-0005



ONE
SIZE
FITS
ALL

- Molle system
- Quick release cable allows immediate doffing
- Size can be adjustable from shoulders and waist

Available Colors



Black



Navy Blue



Coyote
Tan



Military
Green



Khaki



Camouflage
Patterns



Upon
Request

Vest total weight	: 2150 grams
Outer fabric	: Polyamide 6.6 700D
Plate pouch size	: max. 25 x 30 x 3 cm
Accessories	: Magazine pouches (4), radio pouch (1)
Plate pouch	: Front, back, sides



PLATE CARRIER VEST

GG-PCR-0011 ● ● ● ● ● ●

- Multi purpose pouches

- Quick release cable

- Radio pouch

- Magazine pouches

- Laser cut molle system

- Air mesh



ONE
SIZE
FITS
ALL

- Laser cut molle system, with quick release feature
- Air Mesh fabric inside the vest enables air circulation and provides comfort and coolness to user
- Size can be adjustable from shoulders and waist

Available Colors



Black



Navy Blue



Coyote
Tan



Military
Green



Khaki



Camouflage
Patterns



Upon
Request

Vest total weight

: 1125 grams

Outer fabric

: Polyamide 6.6 700D

Plate pouch size

: max. 25 x 30 x 3 cm

Accessories

: Magazine pouches (3), radio pouch (1), multi purpose pouch (1)

Plate pouch

: Front, back



• • • • • GG-PCR-0002



ONE
SIZE
FITS
ALL

- Molle system
- Quick Release cable allows immediate doffing
- Size can be adjustable from shoulders and waist

Available Colors



Black



Navy Blue



Coyote
Tan



Military
Green



Khaki



Camouflage
Patterns



Upon
Request

Vest total weight

: 1750 grams

Outer fabric

: Polyamide 6.6 700D

Plate pouch size

: max. 25 x 30 x 3 cm

Accessories

: Magazine pouches (5), radio pouch (1) and hand grenade pouch (1)

Plate pouch

: Front, back, sides

FUNCTIONAL **OUTERWEAR**



According to customer requirements, we design and manufacture waterproof-breathable cold weather garments, flame retardant garments, sleeping bags, attack vests and back packs.



● ● ● ● ● WATERPROOF - BREATHABLE COLD WEATHER GARMENTS



Insulation Suits
Winter Coats
Wind Jackets
Softshell Coats
Raincoats - Ponchos

● ● ● ● ● FLAME RETARDANT GARMENTS



Fire-Fighter Suits
Forestry Tree Garments
Petrochemical Industry Worker Suits
Pilot Coverall
Tanker Coverall

● ● ● ● ● SLEEPING BAGS AND BACK PACKS



-12° C Sleeping Bags
-20° C Sleeping Bags
-40° C Sleeping Bags
Back Packs Upon Customer Request



TEST and R&D **CAPABILITIES**

All the raw materials that will be used in textile production are tested and verified that they meet the required technical specs in our quality control textile laboratory in Istanbul and then sent to our Yozgat production facilities. In our production facility in Yozgat, we have an accredited inhouse ballistic testing laboratory where we conduct our R&D work and quality control of the ballistic protective products. We have also built another tunnel for STANAG 4569 all levels in Yozgat. Our 17025 accredited inhouse ballistic testing laboratory and fully equipped textile testing laboratory enables us to develop light weight and reliable custom solutions for every technical requirement. We also provide test services to our external customers as well. In addition to those laboratories, we are doing environmental condition tests in our environmental conditions test laboratory.





ACCREDITED BODY ARMOR BALLISTIC TEST LABORATORY

Our ballistic testing laboratory is accredited in NIJ0101.04, NIJ0101.06 and STANAG 2920 We are able to test by using below listed barrels.



Short Barrels:

9mm
40S&W
.357 Magnum
.357 SIG
.44 Magnum

Long Barrels:

5,56 x 45 mm
7,62 x 39 mm
7,62 x 51 mm
7,62 x 54 mm
7,62 x 63 mm

FSP & RCC:

17 grain FSP For Soft Armor
17 grain FSP For Hard Armor
2 grain RCC
4 grain RCC
16 grain RCC
64 grain RCC

NO	TEST NAME	TEST STANDARD
1	*Ballistic Protection Level Test	NIJ 0101.06 Excluded item 7.9 NIJ 0101.04 Excluded item 5.17
2	*V50 Test	AEP/STANAG 2920
3	*Ballistic Protection Level Test	EN 1063
4	*Ballistic Protection Level Test	EN 1522 - EN 1523
5	*Ballistic Protection Level Test	NIJ 0108.01
6	*Ballistic Protection Level Test	NIJ 0106.01 Excluded item 5.3
7	*V50 Test	MIL-STD-662-F
8	Impact Resistance Test	EN 397
9	V50 Test	MIL-DTL-12560K
10	V50 Test	MIL-DTL-46100

* marked tests are in the scope of ISO/IEC 17025 accreditation.



ACCREDITED VEHICLE ARMOR BALLISTIC TEST LABORATORY STANAG 4569



We are able to test by using below listed barrels.

7.62 mm x 51 NATO ball (Stanag 4569 level 1)
5.56 mm x 45 NATO SS109 (Stanag 4569 level 1)
5.56 mm x 45 M193 (Stanag 4569 level 1)
7.62 mm x 39 API BZ (Stanag 4569 level 2)
7.62 mm x 54R B32 API (Stanag 4569 level 3)
7.62 mm x 51 AP WC core (Stanag 4569 level 3)
12,7 X 99 mm
12,7 x 107 mm
14,5 x 114 mm (Stanag 4569 level 4)
20 x 102 mm
25 x 137 mm (Stanag 4569 level 5)
30 x 173 mm (Stanag 4569 level 6)
7,62 mm FSP
12,7 mm FSP
20 mm FSP (Stanag 4569 All levels)

NO	TEST NAME	TEST STANDARD
1	*Ballistic Protection Level Test	STANAG 4569 (AEP 55 VOL 1) LEVEL 1 / LEVEL 2 / LEVEL 3 / LEVEL 4

* marked tests are in the scope of ISO/IEC 17025 accreditation.



TEXTILE TEST LABORATORY



NO	TEST NAME	TEST STANDARD
1	*Thermal Resistance	EN ISO 11092
2	*Water-vapour Resistance	EN ISO 11092
3	*Resistance to Water Penetration	EN ISO 811
4	*Air Permeability	EN ISO 9237
5	Assessment of Fabric Drape	BS 5058
6	Stiffness Determination of Woven Textiles	BS 3356
7	Slide fastener (Zipper) Tests	EN 16732
	Strength of puller attachment	
	Strength of closed-end	
	Strength of top stop	
	Strength of open-end slide fastener box	
	Min. cycles without failure	
	Lateral strength of slide fastener	
	Lateral strength of open-end attachment	
	Strength of slider locking device	
8	Abrasion Resistance (Martindale method - Part 2)	EN ISO 12947-2 / EN 530
9	Pilling, Fuzzing or Matting Resistance (Martindale method - Part 2)	EN ISO 12945-2
10	Fabric Weight	EN 12127
11	Determination of Number of Threads Per Unit Length	EN 1049-2
12	Fabric Weave	Using magnifying glass
13	Coated fabrics-Resistance to damage by flexing	EN ISO 7854
14	Surface wetting (spray test)	EN ISO 4920
15	Tear Strength	EN ISO 13937-2 / EN ISO 4674-1
16	Tensile Strength	EN ISO 1421 / EN ISO 13934-1
17	Breaking Strength and Elongation of Yarns	EN ISO 2062
18	Heat Resistance - Water penetration test of fabrics at +70°C / %90 humidity after a week	In-house method
19	Resistance to Cold Climate - Water penetration test of fabrics waited at -40°C for 24 hours and after the flexing tests of 1.500 times	In-house method
20	Water proofness test after dry cleaning with auto gasoline	In-house method
21	Water proofness test after fabric contamination with diesel fuel, gun oil, motor oil and JP-8 fuel	In-house method
22	Colour Fastness Tests	
	Colour fastness to domestic and commercial laundering	EN ISO 105-C06
	Colour fastness to hot pressing	EN ISO 105-X11
	Colour fastness to dry cleaning using perchloroethylene solvent	EN ISO 105-D01
	Colour fastness to perspiration	EN ISO 105-E04
	Colour fastness to water	EN ISO 105-E01
	Colour fastness to sea water	EN ISO 105-E02
	Colour fastness to rubbing	EN ISO 105-X12
	Colour fastness to artificial light: Xenon arc fading lamp test	EN ISO 105-B02
	Colour Fastness to artifical weathering: Xenon arc fading lamp test	EN ISO 105-B04
23	Dimensional Change after washing and drying	EN ISO 5077 / EN ISO 6330
24	Appearance Change after washing and drying	EN ISO 6330
25	Tests For Colour Fastness Part A02-Grey Scale For Assessing Change In Colour	EN 20105-A02
26	pH Test	EN ISO 3071
27	Density of Plastics	TS 1310
28	Fiber Composition	EN ISO 1833
29	Quantitative composition of feather and down (manual method)	EN 12131

* marked tests are in the scope of ISO/IEC 17025 accreditation.



ENVIRONMENTAL CONDITIONS TEST LABORATORY



NO	TEST NAME	TEST STANDARD
1	*High Temperature Test	MIL-STD-810 G METHOD 501.5 PROCEDURE II METHOD 501.6 PROCEDURE II MIL-STD-810 H METHOD 501.7 PROCEDURE II
2	*Low Temperature Test	MIL-STD-810 G METHOD 502.6 PROCEDURE II MIL-STD-810 H METHOD 502.7 PROCEDURE II
3	*High Temperature Storage Test	MIL-STD 810 G METHOD 501.5 PROCEDURE I METHOD 501.6 PROCEDURE I MIL-STD-810 H METHOD 501.7 PROCEDURE I
4	*Low Temperature Storage Test	MIL-STD-810 G METHOD 502.6 PROCEDURE I MIL-STD-810 H METHOD 502.7 PROCEDURE I
5	*Temperature Shock Test	MIL-STD-810 G METHOD 503.5 MIL-STD-810 H METHOD 503.7
6	*Humidity Test	MIL-STD-810 G METHOD 507.5 METHOD 507.6 MIL-STD 810 F METHOD 507.4 MIL-STD-810 H METHOD 507.6
7	*Immersion Test	MIL-STD-810 G METHOD 512.6 PROCEDURE I
8	*Dust Test	MIL-STD-810 G METHOD 510.5 PROCEDURE I
9	*Sand Test	MIL-STD-810 G METHOD 510.5 PROCEDURE II
10	*Rain Test	MIL-STD-810 G METHOD 506.5 PROCEDURE II
11	*Vibration Test	MIL-STD-810 G METHOD 514.6 PROCEDURE I
12	*Shock Test	MIL-STD-810 G METHOD 516.6 PROCEDURE I
13	Low Pressure Test	MIL-STD-810 G METHOD 500.5 PROCEDURE I
14	Shock Test (Transit Drop)	MIL-STD-810 G METHOD 516.6 PROCEDURE IV
15	Vibration Test (Category 5 Loose Cargo)	MIL-STD-810 G METHOD 514.6 PROCEDURE II

* marked tests are in the scope of ISO/IEC 17025 accreditation.



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Liaison Office
Textile Test Laboratory



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Ankara

Liaison Office



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Yozgat

Headquarters
Production Facilities
Ballistic Test Laboratories





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