



THE ULTIMATE BALLISTIC PROTECTION



Hard Shell



Low Pro Vest

Not all body armor should be seen. When the situation demands a low profile approach, we offer a concealable vest appropriately named the Low Pro. With a custom cut soft armor panel, providing maximum comfort and protection, the Low Pro vest is designed to be worn underneath a shirt or jacket. Adjustable shoulders and sides allow for a snug and secure fit to the user. Ideal as a client vest.

Standard Features

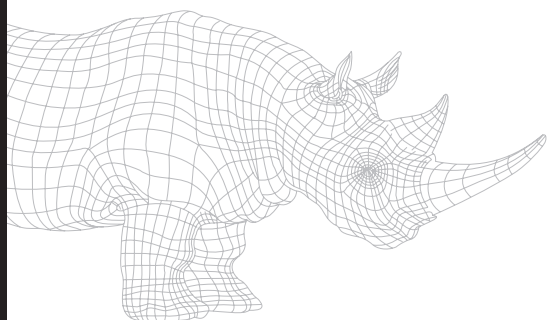
- Custom cut NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Comfort Padding Front, Back and Shoulders.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- Adjustable abdomen straps (elastic) to secure the vest to the wearer.
- Vest is designed using lightweight comfortable wearing material.
- Sizes - Small to X large.
- Available in a range of colors, but typically White or Black.

VIP Under Vest

This new bullet resistant VIP under vest is a state of art product designed for discretion and flexibility. The anatomical flex points and breathable mesh give this one piece design the optimal comfort when used in hot climate zones. The concept behind the shirt comes from professionals that are working daily in threatening environment. Their requirement for ultra-lightweight, free moving space and absolute comfort is crucial, as professionals will wear their body armor in comparison that is often left at home. The inner fabric has properties like thermo regulation and sweat management.

Standard Features

- NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Ultra Thin
- 100% flexible
- Light Weight
- Thermo Regulating
- Shock Absorbing
- Easily washable
- Sizes - Small to X Large
- Available in Poly Nylon Lycra fabric in a range of colors, but typically White or black.



Low Pro Vest



VIP Under Vest

Vixen Vest

Our Vixen vest model is designed as a basic armor for general purpose and perfect for VIP usage. The vest is ideal for female officers who are constantly under threat. It provides front, back and side ballistic protection. With these features we can offer the most comfortable, high performance female vest in the market .

Standard Features

- Custom cut NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Adjustable side closure design.
- Front to back wrap around ballistic protection.
- Comfort Padding on Front and Back.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes – Small to X Large.

Steller Vest

Our Steller vest is specifically designed for kids which is a combination of vest and book bag . It provides front, back and side ballistic protection. With these features we can offer the most comfortable, high performance ballistic bag pack cum vest in the market for kids.

Standard Features

- Custom cut NIJ 0101.06 Level IIIA DuPont Kevlar Soft Armor.
- Unique combination with a two in one feature of a bullet resistant vest with the functionality of a backpack for school.
- Waistcoat style with front zip opening or layered both together.
- Vest is designed using lightweight comfortable wearing material suitable for kids.
- Comfort padding on Front and Back.
- 3D Mesh for improved airflow around the body of the wearer.
- Available in quilted polyester fiber fill in a range of colors.



Vixen Vest



Steller Vest

Endorser Vest

Our Endorser is that concealed ballistic protection is preferable to overt in a civilian situation. This vest is indispensable because it covers all the major body organs, the vest is also the easiest item to disguise or conceal if that need is felt.

Standard Features

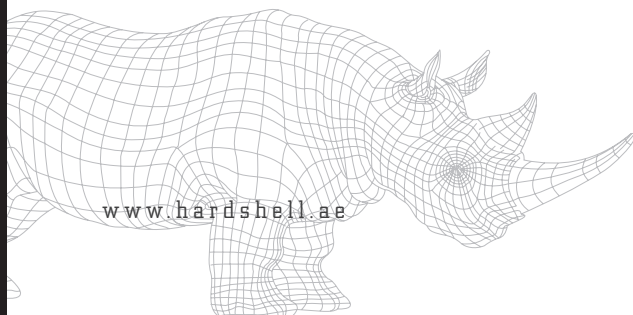
- Custom cut NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Comfort Padding on Front and Back.
- Adjustable Shoulders for improved comfort.
- Adjustable side closure system.
- Front to back wrap around ballistic protection.
- 4 size adjustment straps.
- 3D Mesh for improved airflow around the body of the wearer.
- External and Internal waistbands (adjustable) to secure the vest to the wearer.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes - Small to X Large.

Winter Turf

Our Winter Turf is designed to keep you protected in frigid temperatures. This vest accommodates soft ballistic panels while providing insulation for extra warmth and absolute comfort and can be worn over the uniform in the cold climates.

Standard Features

- NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Front to back wrap around ballistic protection.
- Front open with Zipper ballistic panel access.
- Available in quilted polyester fiber fill in a range of colors.
- Sizes - Small to X large.



www.hardshell.ae



Endorser Vest



Winter Turf

Protector Vest - Front Opening Molle

The Protector vest, is designed to be easy to don and quick to remove. With a simple front jacket style solution, it provides excellent protection, while remaining simple to use. It comes complete with MOLLE attachments and load out points, allowing full tactical use. The vest accept 10" x 12" Panels provided by us

Standard Features

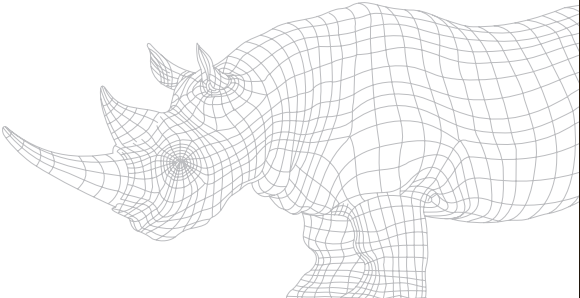
- Custom cut NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Comfort Padding Front. Back and Shoulders.
- Adjustable Shoulders for improved comfort.
- Adjustable Side closure design.
- 3D Mesh for improved airflow around the body of the wearer.
- Removable ballistic panels sealed in a water proof PVC bag.
- Washable outer covers.
- Allowance for 10" x 12" Hard Armor Panels.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes - Small to X Large.

Guardian Vest

The Guardian offers the most protection in our Advanced Armor range. Based on a standard tactical vest, the Guardian has additional throat, collar, shoulder and groin protection. All of these additional components are removable if the mission dictates, allowing the user to use the Guardian as a standard tactical vest. The Guardian is an ideal vest in high threat areas or doing internal security, such as riot control.

Standard Features

- BALCS Style NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Additional removable Kevlar® protection around the shoulders, throat and groin areas.
- Ideal for Internal Security use or high threat areas MOLLE / PALS Load attachments.
- Comfort Padding Front, Back and Shoulders.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- External and Internal waistbands (adjustable) to secure the vest to the wearer.
- Sturdy drag strap on Rear of Vest.
- Allowance for 10" x 12" Hard Armor Panels.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes - Small to X Large.



Protector Vest - Front Opening Molle



Guardian Vest

Operator Vest

The Operator is our standard tactical vest. Using BALCS cut soft armor panels as our baseline for designing the vest, the Operator allows for maximum protective coverage areas while maintaining mobility for the user. Our Operator vests come complete with MOLLE as standard and are available in a range of fabrics and colors. As with all of our tactical solutions, we offer a bespoke service to our clients, if you want a feature added just speak to our sales team and we can implement it for you.

Standard Features

- BALCS Style NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- MOLLE / PALS Load attachments.
- Comfort Padding Front, Back and Shoulders.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- External and Internal waistbands (adjustable) to secure the vest to the wearer.
- Sturdy drag strap on Rear of Vest.
- Allowance for 10" x 12" Hard Armor Panels.
- Available as a standard vest or with a quick release attachment.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes - Small to X Large.

Defender Vest

Our Defender vest is a baseline model, but provides comparable coverage and protection to our other products in the Advanced Armor range. With custom cut Kevlar® soft armor it provides comfortable wear over long periods. The Defender also has allowances for the insertion of one of our hard armor panels. Available in a range of materials and colors, the Defender is the perfect choice where a simple solution is required.

Standard Features

- Custom cut NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Comfort Padding Front, Back and Shoulders.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- Adjustable abdomen straps (elastic) to secure the vest to the wearer.
- Allowance for 10" x 12" Hard Armor Panels.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes - Small to X Large.



Operator Vest



Defender Vest

Quick Release Vest

In designing the Quick Release vest we have taken into consideration the importance of a quickly removing the vest for a soldier whenever required. The key scenarios where this vest is really helpful are, while quickly giving medical aid to a wounded soldier. While jumping into the sea, ballistic vest can be a hindrance in swimming properly, this feature is of great help at this time.

Standard Features

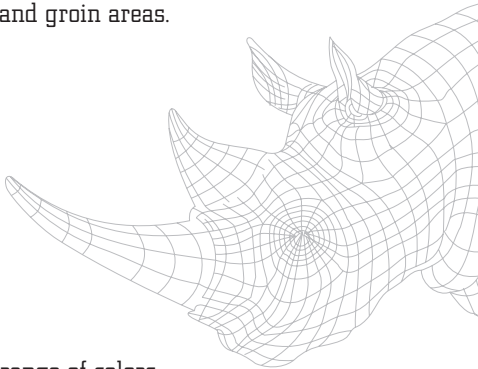
- Custom cut NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Quick Release mechanism to quickly remove the vest.
- Front to back wrap around ballistic protection.
- Comfort Padding Front, Back and Shoulders.
- Adjustable Shoulders for improved comfort.
- Adjustable Side closure design.
- 3D Mesh for improved airflow around the body of the wearer.
- External and Internal waistbands (adjustable) to secure the vest to the wearer.
- Sturdy drag strap on Rear of Vest.
- Allowance for 10" x 12" Hard Armor Panels.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes - Small to X Large.

Warrior Vest

Our new Warrior vest is the recent new model with large protection area for complete protection to the wearer. Our warrior vest equipped with side closures, emergency quick release and medical access capabilities for further enhanced performance.

Standard Features

- BALCS Style NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Additional removable Kevlar® protection around the shoulders and biceps, throat and groin areas.
- Ideal for Internal Security use or high threat areas.
- MOLLE / PALS Load attachments.
- Comfort Padding on Front and Back.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- External and Internal waistbands (adjustable) to secure the vest to the wearer.
- Allowance for 10" x 12" Hard Armor Panels.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes - Small to X Large.



Quick Release Vest



Warrior Vest

Patron Vest

Our Patron vest is designed for police and high risk SWAT teams. With additional removable collar, groin protector and shoulder and upper arm protectors it allows the wearer to adjust the protection to suit any mission.

Standard Features

- BALCS Style NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Additional removable Kevlar® protection around the shoulders and biceps, throat and groin areas.
- Ideal for Internal Security use or high threat areas.
- MOLLE / PALS Load attachments.
- Comfort Padding on Front and Back.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- External and Internal waistbands (adjustable) to secure the vest to the wearer.
- Sturdy drag strap on Rear of Vest.
- Allowance for 10" x 12" Hard Armor Panels.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes – Small to X Large.

Rescuer Vest

Rescuer is our enhanced tactical vest model has been designed to give maximum protection to the upper Torso. The Rescuer offers the most protection in our advanced armor range. Based on a standard tactical vest, the Rescuer has additional throat, collar, shoulder and groin protection. All of these additional components are removable if the mission dictates, allowing the user to use the Rescuer as a standard tactical vest. The Rescuer is an ideal vest in high threat areas or doing internal security, such as riot control.

Standard Features

- BALCS Style NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Additional removable Kevlar® protection around the shoulders and biceps, throat and groin areas.
- Ideal for Internal Security use or high threat areas.
- MOLLE / PALS Load attachments.
- Comfort Padding on Front and Back.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- External and Internal waistbands (adjustable) to secure the vest to the wearer.
- Allowance for 10" x 12" Hard Armor Panels.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes – Small to X Large.



Patron Vest

Rescuer Vest

Saviour Vest

Our Saviour vest offers the maximum protection in our advanced armor range. Based on a standard tactical vest, the Saviour vest has an additional throat, collar, thigh, shoulder and groin protection. All of these additional components are removable if the mission dictates, allowing the user to use the Saviour vest as a standard vest.

Standard Features

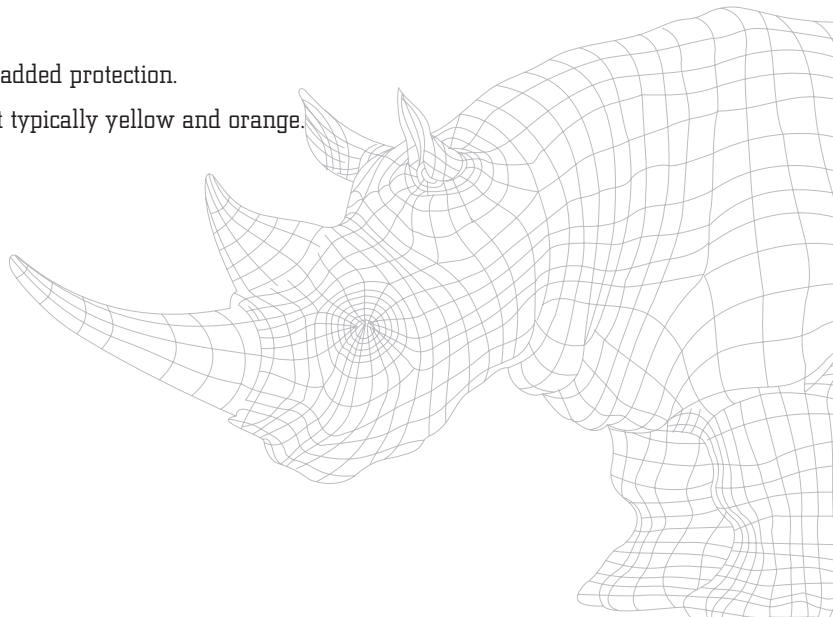
- BALCS Style NIJ 0101.06 Level IIIA DuPont™ Kevlar® Soft Armor.
- Additional removable Kevlar® protection around the shoulders and biceps, throat, thigh and groin areas.
- Ideal for Internal Security use or high threat areas.
- MOLLE / PALS Load attachments.
- Comfort Padding on Front and Back.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- External and Internal waistbands (adjustable) to secure the vest to the wearer.
- Two leg rig with buckles attachment.
- Sturdy drag strap on Rear of Vest.
- Allowance for 10" x 12" Hard Armor Panels.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes – Small to X Large.

HI VIZ Jacket

Our HI VIZ jacket is designed in such a way that it is easily discernible in even the most adverse lighting and weather conditions. The vest are the ideal solutions for wearer that require the highest levels of visibility and protection from their body armor. Fully adjustable to accommodate additional clothing and can be worn over body armor or winter jackets or both.

Standard Features

- High Visibility reflectorised Day /Night Vest.
- Waistcoat style with front zip opening.
- High visibility reflective tapes to keep the user visible to vehicular threats.
- Adjustable Shoulders for improved comfort.
- Adjustable side closure design.
- 3D mesh for improved airflow around the body of wearer.
- 2 large notebooks pocket in front .
- Modular Kevlar Soft Armor Panels to allow for added protection.
- Available in poly cotton in a range of colors, but typically yellow and orange.
- Sizes – Small – X Large



Saviour Vest



HI VIZ Jacket

Slick I

When you need added mobility but still require protection, the Slick plate carrier allows the user to wear their standalone Hard Armor Panel, while wearing a comfortable light solution. The Slick plate carrier is designed to hold our standard 10" x 12" Hard Armor Panel for Stand Alone HAP's. With comfortable padding, breathable mesh and adjustable side and shoulders, the Slick allows for maximum mobility while maintaining the user's protection

Standard Features

- MOLLE / PALS Load attachments.
- Comfort Padding Front, Back and Shoulders.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- Allowance for 10" X 12" Hard Armor Panels.
- Sturdy drag strap on Rear of Vest.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes - Small to X Large.

Slick II

A combination of the plate carrier and a full tactical vest, the Slick II is a modular carrier allowing maximum flexibility, to add or remove Hard Armor Panels as per different threat levels of protection deemed by the mission's requirements. Designed to hold our standard 10" x 12" Hard Armor Panel, and can be offered in an ICW configuration allowing for Soft Armor Panel inserts. With comfort padding, breathable mesh and adjustable side and shoulders, the slick II allows for maximum mobility and mission flexibility.

Standard Features

- MOLLE / PALS Load attachments.
- Modular Kevlar® Soft Armor Panels to allow for added protection.
- Comfort Padding Front, Back and Shoulders.
- Adjustable Shoulders for improved comfort.
- Adjustable side closure design.
- 3D Mesh for improved airflow around the body of the wearer.
- Allowance for Kevlar® material inserts to be used with ICW (In Conjunction with) Hard Armor Panels.
- Allowance for 10" X 12" Hard Armor Panels.
- Sturdy drag strap on Rear of Vest.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes - Small to X Large.



Slick I



Slick II

Ballistic Floatation Vest - NEPTUNE I

The Neptune I model offers a tactical ballistic protection solution for users working on or around the water. It was designed with maritime security personnel or naval users in mind who require maximum protection with the flexibility of a standard tactical vest. Utilising the BALCS cut style of soft armor, providing front, back and side protection, the Neptune I vest also has a detachable flotation collar with manual and automatic inflation. The Neptune I will provide the water based operator peace of mind while operating on vessels in hostile waters.

Standard Features

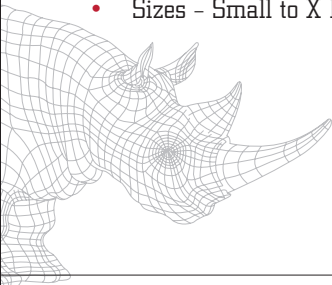
- BALCS Style NIJ 0101.06 Level IIIA Kevlar® Soft Armor.
- MOLLE / PALS Load attachments.
- Comfort Padding Front, Back and Shoulders.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- External and Internal waistbands (adjustable) to secure the vest to the wearer.
- Detachable Flotation Collar.
- Flotation Collar – Automatic and Manual Inflation Type.
- Flotation Collar provides 300N buoyancy.
- Double chamber Flotation Collar.
- Allowance for 10" x 12" Hard Armor Panels.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes – Small to X Large.

Ballistic Floatation Vest - NEPTUNE II

The Neptune II model offers a tactical ballistic protection solution for users working on or around the water. This is achieved by foam inserts in the vest which provides enough buoyancy for the user, in a solution that is comparable in size and width to tactical vests designed for land use. The Neptune II will provide the water based operator added peace of mind while operating on vessels in hostile waters.

Standard Features

- BALCS Style NIJ 0101.06 Level IIIA Kevlar® Soft Armor.
- MOLLE / PALS Load attachments.
- Comfort Padding Front, Back and Shoulders.
- Adjustable Shoulders for improved comfort.
- 3D Mesh for improved airflow around the body of the wearer.
- External and Internal waistbands (adjustable) to secure the vest to the wearer.
- Inherent Buoyancy Material Panels, inserted into the vest.
- Allowance for 10" x 12" Hard Armor Panels.
- Available in PU coated hardwearing Nylon fabric, Cordura and Cotton fabric in a range of colors.
- Sizes – Small to X Large.



Neptune I



Neptune II

PASGT Helmet

Kevlar®
Ballistic Helmet



The PASGT (US Personal Armor System Ground Troops) Helmet is designed to protect against fragments, shrapnel and other ballistic threats with improved comfort. Used by, Special Forces, Police, Military and SWAT teams.

Standard Features

- High ballistic performance using high-tenacity ballistic aramid fiber DuPont™ Kevlar®.
- Unique processing method and perfect fit suspension system.
- 3 different suspension systems. All have a 4 point chin strap harness, with an integrated nape pad.
- Crown Mesh with cross straps; with cotton chin cup.
- Leather Ring : shock absorption harness with leather webbing and leather split chin strap.
- 7 EVA foam pads with webbing split chin strap.
- Excellent mechanical rigidity ,impact protection and heat insulation
- Resistant to all weather temperature conditions.

Sizes

Small to X large

Weight

1.25 Kg - 1.50 Kg ± 5% for different sizes

Colors

Olive Drab, Desert Tan, Black , U.N blue

Protection Level

NIJ Level - II, IIIA

Optional accessories

- | | |
|-----------------------------|-------------------------|
| • Fragmentation Face Shield | • Ballistic Face Shield |
| • Picatinny Rail | • Picatinny Adaptor |
| • NVD Mount | • Helmet Cover |
| • Helmet Bag | |

MICH Helmet

Kevlar®
Ballistic Helmet



The MICH (Modular Integrated Communication Helmet) is designed as a lighter and more compact version of the PASGT Helmet, with reduced ear coverage, no lip and reduced coverage at the back. This allows for better vision and hearing and also allows the wearer to shoot from the prone position.

Standard Features

- High ballistic performance using high-tenacity ballistic aramid fiber DuPont™ Kevlar®.
- Unique processing method and perfect fit suspension system.
- 3 different suspension systems. All have a 4 point chin strap harness, with an integrated nape pad.
- Crown Mesh with cross straps; with cotton chin cup.
- Leather Ring : shock absorption harness with leather webbing and leather split chin strap.
- 7 EVA foam pads with webbing split chin strap.
- Excellent mechanical rigidity ,impact protection and heat insulation
- Resistant to all weather temperature conditions.

Sizes

Small to X large

Weight

1.25 Kg - 1.45 Kg ± 5% for different sizes

Colors

Olive Drab, Desert Tan, Black , U.N blue

Protection Level

NIJ Level - II, IIIA

Optional Accessories:

- | | |
|-----------------------------|-------------------------|
| • Fragmentation Face Shield | • Ballistic Face Shield |
| • Picatinny Rail | • Picatinny Adaptor |
| • NVD Mount | • Helmet Cover |
| • Helmet Bag | |

Special Force Helmet

Kevlar®
Ballistic Helmet



A lighter helmet with no lip or ear coverage especially designed for SWAT Teams and Special Services to ensure maximum flexibility and comfort. Helmet is designed to protect against fragments , shrapnel and other ballistic threats with improved comfort.

Standard Features

- High ballistic performance using high-tenacity ballistic aramid fiber DuPont™ Kevlar®.
- Unique processing method and perfect fit suspension system.
- 3 different suspension systems. All have a 4 point chin strap harness, with an integrated nape pad.
- Crown Mesh with cross straps; with cotton chin cup.
- Leather Ring : shock absorption harness with leather webbing and leather split chin strap.
- 7 EVA foam pads with webbing split chin strap.
- Excellent mechanical rigidity, impact protection and heat insulation
- Resistant to all weather temperature conditions

Sizes

Small to X large

Weight:

1 Kg- 1.3 Kg ± 5% for different sizes.

Colors

Olive Drab, Desert Tan, Black , U.N blue

Protection Level

NIJ Level - II, IIIA

Optional accessories

- | | |
|-----------------------------|-------------------------|
| • Fragmentation Face Shield | • Ballistic Face Shield |
| • Picatinny Rail | • Picatinny Adaptor |
| • NVD Mount | • Helmet Cover |
| • Helmet Bag | |

Ultra Light Weight Helmet

Kevlar®
Ballistic Helmet



The Hard Shell Ultra light Helmet is designed to protect against fragments, shrapnel and other ballistic threats with improved comfort. Used by, Special Forces, Police, Military and SWAT teams.

Standard Features

- High ballistic performance using high-tenacity ballistic aramid fiber DuPont™ Kevlar®.
- Unique processing method and perfect fit suspension system.
- 3 different suspension systems. All have a 4 point chin strap harness, with an integrated nape pad.
- Crown Mesh with cross straps; with cotton chin cup.
- Leather Ring : shock absorption harness with leather webbing and leather split chin strap.
- 7 EVA foam pads with webbing split chin strap.
- Excellent mechanical rigidity ,impact protection and heat insulation
- Resistant to all weather temperature conditions.

Sizes

Small to X large

Weight

1Kg - 1.25 Kg ± 5% for different sizes

Colors

Olive Drab, Desert Tan, Black , U.N blue

Protection Level

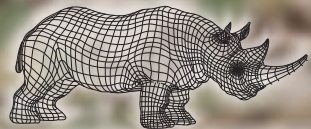
NIJ Level - II, IIIA

Optional Accessories

- | | |
|-----------------------------|-------------------------|
| • Fragmentation Face Shield | • Ballistic Face Shield |
| • Picatinny Rail | • Picatinny Adaptor |
| • NVD Mount | • Helmet Cover |
| • Helmet Bag | |



Hard Shell



Hard Shell

Rhino-I Stand Alone HPPE - 1.8 Kg



This Hard armor panel is light weight Stand Alone HAP. This hard armor insert panel is engineered with proven technology providing comfort and protection Level III against 7.62 x 51 mm (NATO ball round)

Special Features

- Flat, single – curved and multi-curved configurations.
- Stand Alone
- Containment of spall, debris and residues after ballistic impact.
- Designed to withstand 7.62 NATO FMJ + 7.62x39 AK47 (Mild Steel Core) projectiles.
- Weather resistant designed for the harshest conditions.
- Fluid resistant when exposed to diesel fuel, oil and salt water.
- High altitude pressure resistance.
- Fungus and Microbial growth resistance.
- Cover with hardwearing PU Coated fabric.

Protection Level

NIJ Level III

Protection Against

7.62 x 51mm (NATO ball round)

Specification

- Protection Area: 250mm x 300mm x 20mm
- Material : High performance polyethylene

Size

10"x12"

Weight

1.8 Kg ±5 %

Rhino-I Stand Alone Hard Armor Panel - 3 Kg



Hard armor panel is stand alone panel & provides single shot protection armor piercing rounds. This hard armor insert panel is engineered with proven technology providing comfort and protection Level IV against 7.62 x 63 mm AP.

Special Features

- Composite Hard Armor panel made of ceramic tile backed with Aramid Kevlar® Material.
- Containment of spall, debris and residues after ballistic impact.
- Designed to withstand Armor Piercing projectiles (Stand Alone - Single Shots only).
- Weather resistant designed for the harshest conditions.
- Fluid resistant when exposed to diesel fuel, oil and salt water.
- High altitude pressure resistance.
- Fungus and Microbial growth resistance.
- Covered with Hard wearing PU Coated Fabric.

Protection Level

NIJ Level IV

Protection against

7.62 x 63 mm AP

Specification

- Protection Area: 300mm x 250mm x 20mm
- Material : Ceramic based Hybrid Composite

Size

10"x12"

Weight

3 Kg ±5%



Rhino-I Stand Alone Hard Armor Panel - 3.6 Kg



Hard armor panel is a stand alone panel & provides single shot protection armor piercing rounds. This hard armor insert panel is engineered with proven technology providing comfort and protection Level IV against 7.62 x 63 mm AP

Special Features

- Composite Hard Armor panel with composite backing.
- Containment of spall, debris and residues after ballistic impact.
- Designed to withstand Armor Piercing projectiles (Stand Alone - Single Shots only).
- Weather resistant designed for the harshest conditions.
- Fluid resistant when exposed to diesel fuel, oil and salt water.
- Fungus and Microbial growth resistance.
- Covered with Hardware PU Coated black Fabric.

Protection Level

NIJ Level IV

Protection against

7.62 x 63mm AP

Specification

- Protection Area: 300mm x 250mm x 20mm
- Material : Ceramic based hybrid composite

Size

10"x12"

Weight

3.6 Kg ±5 %

Rhino-II ICW HPPE - 1.5 Kg



Hard armor panel is a light weight HAP, used in conjunction with (ICW) Level IIIA soft armor for enhanced protection. This hard armor insert panel is engineered with proven technology providing comfort and protection Level III against 7.62 x 51 mm (NATO ball round)

Special Features

- Flat, single – curved and multi-curved configurations.
- Multi-hit capabilities.
- Containment of spall, debris and residues after ballistic impact.
- Designed to withstand 7.62 NATO FMJ + 7.62x39 AK47 (Mild Steel Core) Projectiles (in conjunction with NIJ Level IIIA base panel).
- Weather resistant designed for the harshest conditions.
- Fluid resistant when exposed to diesel fuel, oil and salt water.
- High altitude pressure resistance.
- Fungus and Microbial growth resistance.
- Cover with hardwearing PU Coated fabric.

Protection Level

NIJ Level III

Protection Against

7.62 x 51mm (NATO Ball Round)

Specification

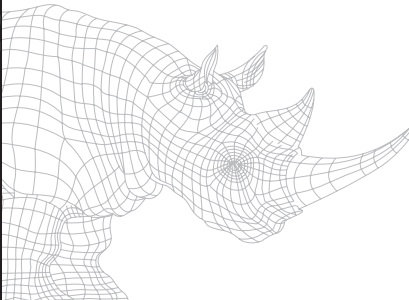
- Protection Area: 250mm x 300mm x 20mm
- Material : High performance polyethylene

Size

10"x12"

Weight

1.5 Kg ±5%



RHINO HARD ARMOR PLATES RANGE

Rhino-II ICW

Hard Armor Panel - 2.2 Kg



The Hard armor panel is used in conjunction with (ICW) Level IIIA soft armor panel for enhanced protection. This hard armor insert panel is engineered with proven technology providing comfort and protection Level III+ against 5.56 x 45 mm, 7.62 x 39 mm AP BZ

Special Features

- Composite Hard Armor panel made of ceramic tile backed with Aramid Kevlar material.
- Containment of spall, debris and residues after ballistic impact.
- Designed to withstand 7.62 x 39mm API bullets projectiles and 5.45 x 45 mm projectiles (in conjunction with NIJ Level IIIA soft armor panel) fired from AK47 & Insas Rifles.
- Multi curved/Single curved to fit to body contour.
- Weather resistant designed for the harshest conditions.
- Fluid resistant when exposed to diesel fuel, oil and salt water.
- High altitude pressure resistance.
- Fungus and Microbial growth resistance .
- Covered with black Nylon Fabric.

Protection Level

NIJ Level III+

Protection Against

7.62 x 39 mm AP BZ, 5.56 x 45 mm

Specification

- Protection Area: 300mm x 250mm x 20mm
- Material : Ceramic tile backed with Aramid fabric

Size

10"x12"

Weight

2.2 Kg ±5%

Rhino-II ICW

Hard Armor Panel – 2.5 Kg



The Hard armor panel is used in conjunction with (ICW) Level IIIA soft armor panel for enhanced protection against Armor piercing rounds. This hard armor insert panel is engineered with proven technology providing comfort and protection Level IV against 7.62 x 63 mm AP

Special Features

- Composite Hard Armor panel made of Ceramic Tile backed with Aramid Material.
- Containment of spall, debris and residues after ballistic impact.
- Designed to withstand armor piercing bullets projectiles (in conjunction with NIJ Level IIIA soft armor panel).
- Weather resistant designed for the harshest conditions.
- Multi Curved/Single Curved to fit to body contour.
- Fluid resistant when exposed to diesel fuel, oil and salt water.
- Fungus and Microbial growth resistance.
- Covered with hardware PU Coated black fabric.

Protection Level

NIJ Level IV

Protection against

7.62 x 63 mm AP

Specification

- Protection Area: 300mm x 250mm x 20mm
- Material : Ceramic based hybrid composite

Size

10"x12"

Weight

2.5 Kg ±5%

Rhino-II ICW

Hard Armor Panel - 2.9 Kg



The Hard armor panel is to be worn as a combination panel in conjunction with (ICW) a Level III or IIIA soft armor for enhanced protection. This hard armor insert panel is designed using proven technology giving the wearer excellent comfort and protection Level III against 7.62 x 51 mm (NATO ball round)

Special Features

- Hard Armor panel made of Ceramic tile and Composite material backing.
- Containment of spall, debris and residues after ballistic impact.
- Designed to withstand Level III bullets (in conjunction with NIJ Level IIIA soft armor panel).
- Multi curved/Single curved to fit to body contour.
- Weather resistant designed for the harshest conditions.
- Fluid resistant when exposed to diesel fuel, oil and salt water.
- High altitude pressure resistance.
- Fungus and Microbial growth resistance.
- Cover with hardwearing PU Coated black fabric.

Protection Level

NIJ Level III

Protection Against

7.62 x 51mm (NATO Ball Round)

Specification

- Protection Area: 250mm x 300mm x 20mm.
- Material : Ceramic based Hybrid Composite.

Size

10"x12"

Weight

2.9 Kg ±5%



Rhino-II ICW

Hard Armor Panel - 3.2 Kg



Hard armor panel is used in conjunction with (ICW) Level IIIA soft armor panel for enhanced protection against armor piercing rounds. This hard armor insert panel is engineered with proven technology providing comfort and protection Level IV against 7.62 X63 mm AP

Special Features

- Hard Armor panel made of Ceramic Tile & Composite material backing.
- Containment of spall, debris and residues after ballistic impact.
- Designed to withstand Level IV, Armor Piercing bullets projectiles (in Conjunction with NIJ Level IIIA soft armor panel).
- Weather resistant designed for the harshest conditions.
- Fluid resistant when exposed to diesel fuel, oil and salt water.
- High altitude pressure resistance.
- Fungus and Microbial growth resistance.
- Covered with black Nylon fabric.

Protection Level

NIJ Level IV

Protection Against

7.62 x 63 mm AP

Specification

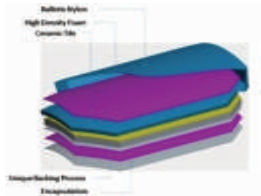
- Protection Area: 300mm x 250mm x 20mm.
- Material : Hybrid Composite Material.

Size

10"x12"

Weight

3.2 Kg ±5 %



Armored Vehicles

We provide protection by armoring with composite material. Our state-of-the-art facilities assure high volume production with consistently superior quality.

Light weight Transparent Bullet Resistant Glass - Only the top Quality ballistic glass used with custom features included to maintain ballistic protection at higher temperature

Ballistic Steel: Only Pre-certified ballistic grade steel is used which is fully traceable back to factory production lots.

Floor Protection - Flexible multi-layered ballistic Kevlar® is sealed to the entire floor, roof and body of the vehicle. Designed to absorb bomb and ballistic fragmentation.

Run Flat Tire System - Run flat device in all tires. These tires continue to run even after a tire is punctured or burst Up to 60 miles at 60mph after a bullet hit.

Suspension, Shocks and Brakes - Front shocks replaced with custom made coil over shocks fully tested in off road conditions. Smoothes out ride over all terrain and provides stability to offset increased load due to armoring. Rear Brake shoes replaced with high performance material for improved braking and increased safety.

Dual Ram Bumpers - Concealed behind both the front and the rear bumpers, this option allows each vehicle to ram their way out of a dangerous situation without causing in- operable damage.

Specifications & Options

- Level B4, B5, B6 or B7 Protection
- Bomb Blast Protection Floors
- Ballistic Glass
- Protected Batteries
- Upgraded Suspension
- Upgraded Brakes
- Run Flat Wheels
- Ram Bumpers
- Optional Gun Ports
- Strobes and Siren



ARMORED VEHICLES

Manufacturing

All Hard Shell protected vehicles are manufactured in strict compliance to our Quality Standard and follows strict process controls to ensure high product quality, materials traceability and product repeatability.

The Hard Shell resembles a normal civilian vehicle. It is low profile - meaning that the vehicle is nearly visually identical to a standard vehicle. Therefore unwanted attention while traveling is avoided.

Fuel System Protection

Fuel tanks are protected from all sides with ballistic steel

Run Flat Inserts

All 5 wheels (4 driven and 1 spare) are supplied with a FINABEL approved run-flat insert band providing the ability to travel a total distance of 50Km.

Suspension

In order to ensure the vehicle handles and reacts in a safe a predictable manner all Hard Shell have a complete upgrade to the suspension system. The revised system includes Coil Springs and Shock Absorbers. These components are specially developed after much R & D.

Brake System

The braking system has been modified to ensure the fully laden vehicle reacts as close as possible to the OEM Vehicles. Hard Shell have a slotted disc design which allows for better braking performance and to dissipate the heat created due to braking.

Door Hinges

All original door hinges are replaced with our in house designed and manufactured heavy duty door hinges. The vehicles body structure is reinforced at the door hinge locations. The heavy duty hinges and the body upgrades ensure the vehicle can take the additional weight of the fully armored doors.

Standard Equipment

- OEM Air condition system
- Heavy duty suspension
- Original Toyota Tool kit
- Audio System
- Fire Extinguisher
- All 5 tires with run-flat system
- Heavy duty hinges for all doors
- Heavy Duty Jacks
- First Aid kit
- Interior door trim panels to replicate OE condition



DE - MINING SUIT

The Demining Protective gear is a lightweight protective suit, all enveloping from head to foot, which is easy to wear but allows the wearer far greater comfort and ease of movement compared to the normal EOD suit.

Main parts of De - Mining Suit

- **Jacket:** Provides front, back, and side, shoulder and neck protection with the additional feature of HAP pockets. The high collar is designed to work in conjunction with any helmet.
- **Arms:** Separate sleeves provide optimum mobility.
- **Groin Protector:** Can be worn in either the raised or lowered position. When raised it provides extra protection to the abdomen area.
- **Trousers:** Supported by stout braces, this unique design provides freedom of movement and optimum protection to the legs.
- **Helmet & Visor:** The Helmet and Visor provide unequalled protection to head and neck areas.

Standard Features

- Engineered from high-strength DuPont™ Kevlar®
- High-strength 1000 denier Cordura® or Nomex® outer shell or as per customer requirement
- Incorporates front and rear pockets for the insertion of Hard Armor Panels

Colors

Black, Blue, Olive Green

Optional Accessories

- Ballistic Helmet with Face Shield
- Carrier Bag
- HAP's

Protection Levels

Protection against fragments of

- V50 - 400m/s
- V50 - 500m/s
- V50 - 600m/s
- V50 - 650m/s

Also, protects against 9mm FMJ, .357 magnum and .44 magnum bullets.



DE - MINING SUIT



BOMB DISPOSAL SUIT

The Bomb Disposal Suit is designed with the use of state of art material which provide high level of protection in personal protection for modern day EOD technicians enveloping from head to foot, which is easy to wear and allows the wearer far greater comfort and ease of movement compared to the normal EOD suit.

The suit consists of the following separate items which collectively make the complete garment.

Jacket: Provides front, back , side, shoulder and neck protection with HAP inserted in front and back. The high collar is designed to work in conjunction with any Helmet providing extra protection. Also extra protection for spine is provided. SAP designed and inserted in the jacket to fit the body shape. Immediate removal of the suit is achieved by use of the quick release straps attached to the side and shoulder.

Arms: SAP manufactured using mix of Kevlar® fabric is made to provide extra protection. Pockets are provided in the sleeves for keeping instruments.

Groin Protector: Is made of high ballistic strength Kevlar® fabric and provides maximum comfort.

Trousers: Fully adjustable supporting stout braces, this unique design provides freedom of movement and optimum protection to the legs and also pockets for insertion of HAP's are provided.

Helmet and Visor: The helmet and visor provide unequalled protection to head and neck areas.

Standard Features

- Engineered from high strength DuPont™ Kevlar® Soft Armor.
- High strength, hardwear outer shell using Nomax fire retardant fabric.
- STANAG 2920 with a V50 rating upto 1800m/s for front portion is achieved.
- Incorporates front and rear pockets for the insertion of Hard Armor Panels.
- Helmet Remote Control Module to better control EOD HS Helmet functions.
- Available in olive drab (standard color), navy blue or desert tan, each with black webbing trim.
- Ergonomic design allows an operator to use EOD tools and related equipment.

Technical Specification for HARD SHELL Bomb Disposal Suit

Sr. No	Part	Protection upto Velocity
JACKET		
1	Front Collar (c/w Hard Ballistic)	1200 m/s
2	Back Collar	600 m/s
3	Body Front (c/w Hard Ballistic)	1800 m/s
4	Back Body	600 m/s
5	Sleeve	600 m/s

	Trouser	
1	Upper thigh (c/w Hard Ballistic)	690 m/s
2	Pant	600 m/s
3	Ankle	600 m/s
4	Back Leg	280 m/s
5	Boot	480 m/s



BOMB DISPOSAL SUIT

Ballistic and Fragmentation Blanket

A light weight and portable ballistic & fragmentation resistant blanket, which can be configured in any shape and size and can be easily folded over or placed on top of any ballistic threat. It gives emergency protection against blasts and fragments in the event of an explosive device detonating before it can be neutralized. It is quick and effective against most pipe bombs, hand grenades and fragments caused by pressure or electrical explosions.

Standard Features

- Ballistic and Fragmentation Blanket are used for IED/EOD operations. Also, helpful in blast suppression in nuclear facilities, high risk government and non- government buildings.
- Provides ballistic-blast protection in vehicle and aircrafts interior and flooring.
- Ballistic and Fragmentation Blanket is available in different sizes as per costumer's requirement.
- The Blast Containment Ring is also made of aramid Kevlar fabric. (dimensions as per user requirement).
- The bomb blanket is made with multiple layer of treated aramid fabric.
- Ballistic and Fragmentation Blanket is sewn into a fire retardant and water repellent cover.
- Ballistic and Fragmentation Blanket weight is such that it can be carried by one person.

Standard Sizes

- 1m x 1m
- 1m x 1.5m
- 1m x 1.25m
- 1.5m x 1.25m
- 2m x 2m
- 2m x 4m

Colors

Red, Black, Blue

Optional Accessories

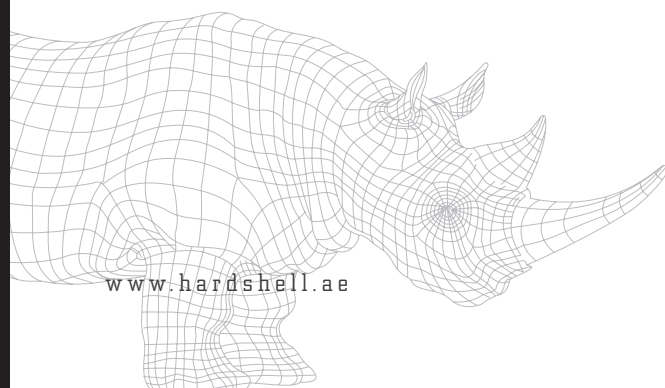
- Safety ring
- Carrier Bag

Protection Levels

Protection against fragments of

- V50-400m/s
- V50-500m/s
- V50-600m/s
- V50-650m/s

Also, protects against 9mm FMJ, .357 magnum and .44 magnum bullets.



www.hardshell.ae



Ballistic and
Fragmentation Blanket

Advanced Rucksack

The Advanced Rucksack is designed to protect the spine and distribute weight correctly along the back, reducing wear and problems later in life with the lumbar region of the spine. All the bar-tacks machined-in exceed the industry standard and have set new breaking strains, to the point where the rucksacks will not only allow a wounded colleague to be dragged to safety, but will in fact tow a transit van.

Standard Features

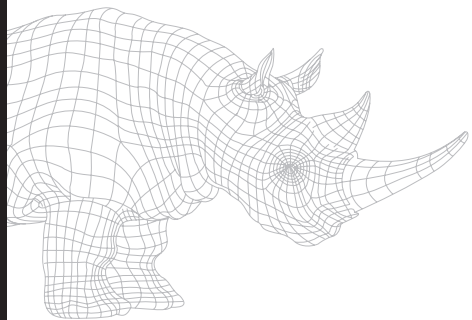
- Front pocket for quick access and MOLLE compatible.
- Top and side carry handles (will fit ballistic gloves) along with 3 way shoulder strap adjustment (aids on the move comfort) and S shaped style shoulder straps for a comfort fit.
- 2 extra lash points and 2 utility clips on the shoulder straps along with 2 webbed accessory stays on the shoulder straps.
- Anti-snap attachments on all adjustment straps and padded hip belt with bellows pockets.
- Front access/front loader zip with Y compression strap.
- Air-vent circulation for cooling and to wick sweat away.
- 2 external bellows pockets with internal wand pockets, top lid and five internal zipped pockets and bottom pocket with rain cover.
- 20 anchor points and 18 lash points.
- 8 compression straps, 2 Ice Axe Loops and 2 Pole Loops.

Comrade Tactical Armor Vest

The Comrade Vest is designed to protect the spine and distribute weight correctly along the back, reducing wear and problems later in life with the lumbar region of the spine. The front is designed with the same ethos as the back with full energy dissipation qualities and weight distribution benefits.

Standard Features

- Better weight distribution padding along with enhanced cooling and ventilation.
- Designed to work with a full belt order along with dedicated Perinea protector.
- Quadriplegic blast protection and 360° blunt force trauma protection.
- Lift loops (allows for a casualty helicopter lift through a canopy or mountain drop if injured).
- Silhouette design of the plate pockets (reducing the targeting capabilities of a sniper).
- Dedicated shaped ballistic plate pockets.
- Compatible MOLLE/PALS.
- Air-vent circulation for cooling and to wick sweat away.
- Unique patented buckle system that allows you to scale up or down in under a minute.
- The threat level is up to Level IV multi-hit stand alone.



Advanced Rucksack



Comrade Tactical Armor Vest

Hard Shell Assault Vest

Our tactical equipment has been designed conforming to the latest requirements of the modern warrior. Built out of rugged material designed to improve mission efficiency, to enhance survivability and lethality without compromising mobility.

Standard Features

- Constructed of 1000D CORDURA®
- 3 INSAS/AK multi magazine pouches.
- 1 general-purpose pouch.
- 2 HE grenade pouches.
- 1 Radio/GPS pouch.
- Large internal map-pocket.
- Heavy duty YKK® front fully zippered heavy duty buckles.
- Additional pouches are available for mission specialists.
- Base jacket is fully adjustable for individual's height and girth for a comfortable fit.
- Can be worn over all existing bullet-proof/body armor.



URBAN	BROWN
WOODLAND DIGITAL	UNIVERSAL
SUBDUED URBAN	COYOTE
DESERT DIGITAL	6 COLOR DESERT
3 COLOR DESERT	OLIVE
DIGITAL TIGER STRIPE	MULTI CAM
WOODLAND	BLACK

Hard Shell Rucksack 70 Liters

Standard Features

- Special Operations Airborne Rucksack.
- Developed specially for the Special Operations Forces, the Rucksack is a 'tri-access loader' designed for large loads.
- Has a unique height adjustment system to fit user's need double layer 'S-shaped pads take the weight off the shoulder while a multi layered padded belt holds it comfortably on the hips
- Internal lightweight aluminum frame has been designed to give maximum comfort and movement
- Features side pouches and a fully adjustable good with pockets in the lid.
- Gear adjustment points and straps for compression.
- Inside bottom consists of a zippered skirt to separate soiled/wet personal Clothing
- Constructed of 1000D Cordura Nylon
- Available in Sp-Ops Black, Olive Drab and Woodland Camouflage

