



PASGT

PASGT Helmet (US Personal Armour System Ground Troops protection services) uses our advanced plant and processing techniques to provide enhanced shell protection at a lower weight and improved comfort.

Ballistic Protection is offered against a variety of bullets to NIJ Standard 0106.01 and fragment simulated projectiles (FSP) to Nato STANAG 2920 and US MIL std 662F.

We use a 4-point harness system instead of 8-point in the standard US version with improved comfort, balance and reduced fatigue.

Our harnesses use real leather for the brow band and head pads, high quality 100% cotton webbings for the chinstraps and polyester and nylon webbings for the headbands. Net-mesh crowns are optional on all harnesses. Harness Options: Leather chin strap, Plastic chin cup, Cotton chin strap

OPTIONAL EXTRAS

- Neck Protector, NIJ Level IIIA
- Helmet Covers & Helmet Bags
- Helmet Velcro kit
- Helmet Plates to protect from 7.62 x 39 MSC
- Visors (Fragmentation & Ballistic) & Visor covers

COLOUR OPTIONS

Black, Navy, Olive Drab, Desert Tan, Coyote, UN Blue

BALLISTIC PERFORMANCE

| Helmet Ballistic Level | NIJ Level | Frag. Velocity (17g) FSP V50 | | Bullets | Weight (Grains) | Max Bullet Velocity | |
|------------------------|-----------|------------------------------|------|------------------------|-----------------|---------------------|------|
| | | m/s | ft/s | | | m/s | ft/s |
| L4 | IIA | 520 | 1705 | 9mm FMJ RN | 124 | 355 | 1165 |
| | | | | 40 S&W | 180 | 325 | 1065 |
| | | | | 9mm CMJ RN | 124 | 436 | 1430 |
| L5 | IIA | 550 | 1804 | 9mm FMJ RN | 124 | 400 | 1310 |
| | | | | .357 Magnum JSP | 158 | 436 | 1430 |
| | | | | Plus all above bullets | | | |
| L6 | IIIA | 580 | 1902 | 9mm FMJ RN | 124 | 436 | 1430 |
| | | | | .44 Magnum JSP | 240 | 436 | 1430 |
| | | | | Plus all above bullets | | | |
| U6 | IIIA | 600 | 1968 | 9mm FMJ RN | 124 | 436 | 1430 |
| | | | | .44 Magnum JSP | 240 | 436 | 1430 |
| | | | | Plus all above bullets | | | |
| M6 | IIIA | 620 | 2034 | 9mm FMJ RN | 124 | 436 | 1430 |
| | | | | .44 Magnum JSP | 240 | 436 | 1430 |
| | | | | Plus all above bullets | | | |
| E6 | IIIA | 630 | 2067 | 9mm GECO | 123 | 410 | 1345 |
| | | | | .44 Magnum SWC-GC | 240 | 441 | 1450 |
| | | | | .357 Magnum JSP Rem | 158 | 440 | 1445 |
| | | | | Plus all above bullets | | | |
| F6 | IIIA | 680 | 2230 | .44 Magnum SWC-GC | 240 | 441 | 1450 |
| | | | | .357 SIG FMJ FN | 125 | 448 | 1470 |
| | | | | 7.62 X 25 Tokarev | 85 | 450 | 555 |
| | | | | Lead | 85 | 450 | 555 |
| | | | | 9mm FMJ Rem* | 124 | 441 | 1450 |
| F7 | IIIA | 735 | 2410 | .357 GECO MP | 158 | 390 | 1280 |
| | | | | Plus all above bullets | | | |
| | | | | Plus all above bullets | | | |

*Testings NIJ 0106.01 but threats used from as per NIJ 0101.04 & NIJ 0101.06
 *Fragmentation velocities according to STANAG 2920

HELMET SIZES

| Small | Medium | Large | X Large |
|------------|------------|------------|------------|
| 51 - 55 cm | 54 - 59 cm | 57 - 62 cm | 60 - 64 cm |

FRAGMENT V50 VELOCITIES

| Ballistic Level | Fragment Threats MIL STD 662 | Zebra Protection F7 Ballistic Limit Ft/sec | Required Ballistic Limit as per standard Ft/sec |
|-----------------|------------------------------|--|---|
| F7 | 2-grains RCC | 4550 | 4200 |
| | 4-grains RCC | 3475 | 2475 |
| | 16-grains RCC | 2550 | 2475 |
| | 64-grains RCC | 1900 | 1775 |

All products are manufactured in our own factory in Durban, South Africa with ISO9001:2015 Quality Assurance



ACH

The Advanced Combat Helmet is very popular due to its lighter and more compact size. This helmet is very popular with Special Forces, Militaries and Law Enforcement units due to its advanced comfort and flexibility in extreme conditions

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OPTIONAL EXTRAS

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- Helmet Covers & Helmet Bags
- Helmet Velcro kit
- Helmet Plates to protect from 7.62 x 39 MSC
- Visors (Fragmentation & Ballistic) & Visor covers

COLOUR OPTIONS

Black, Navy, Olive Drab, Desert Tan, Coyote, UN Blue

BALLISTIC PERFORMANCE

| Helmet Ballistic Level | NIJ Level | Frag. Velocity (17g) FSP V50 | | Bullets | Weight (Grains) | Max Bullet Velocity | |
|------------------------|-----------|------------------------------|------|---|-----------------|---------------------|------|
| | | m/s | ft/s | | | m/s | ft/s |
| L4 | IIA | 520 | 1705 | 9mm FMJ RN | 124 | 355 | 1165 |
| | | | | .40 S&W | 180 | 325 | 1065 |
| | | | | 9mm CMJ RN | 124 | 436 | 1430 |
| L5 | IIA | 550 | 1804 | 9mm FMJ RN | 124 | 400 | 1310 |
| | | | | .357 Magnum JSP Plus all above bullets | 158 | 436 | 1430 |
| L6 | IIIA | 580 | 1902 | 9mm FMJ RN | 124 | 436 | 1430 |
| | | | | .44 Magnum JSP Plus all above bullets | 240 | 436 | 1430 |
| U6 | IIIA | 600 | 1968 | 9mm FMJ RN | 124 | 436 | 1430 |
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| M6 | IIIA | 620 | 2034 | 9mm FMJ RN | 124 | 436 | 1430 |
| | | | | .44 Magnum JSP Plus all above bullets | 240 | 436 | 1430 |
| E6 | IIIA | 630 | 2067 | 9mm GECO | 123 | 410 | 1345 |
| | | | | .44 Magnum SWC-GC | 240 | 441 | 1450 |
| | | | | .357 Magnum JSP Rem Plus all above bullets | 158 | 440 | 1445 |
| F6 | IIIA | 680 | 2230 | .44 Magnum SWC-GC | 240 | 441 | 1450 |
| | | | | .357 SIG FMJ FN | 125 | 448 | 1470 |
| | | | | 7.62 X 25 Tokarev Lead | 85 | 450 | 555 |
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VIPER 3

SIDE RAILS
SHROUD BASE
RATCHET DIAL SYSTEM (RD)

The VIPER 1 helmet is the latest version of the ACH (Advanced Combat Helmet) which is very popular with Special Forces, Militaries and Law Enforcement Units due to its advanced comfort and flexibility in extreme conditions. This latest version is fitted with a 7-pad suspension system and our RD (Ratchet Dial) 4 point quick adjust harness, with the ability to take side Rails and shrouds.

The RD (Ratchet Dial) system hugely improves the rotational stability of the helmet onto the head, which is important for mounted NVG's. The operator can easily adjust the tension of the anti rotation wires by means of a dial which controls the circumferential straps of the harness from the back of the head.

QA Harness: The VIPER helmets have four quick adjust buckles that make the strap tensions on the helmet easy to adjust for the wearer while the helmet is on the head. Harness Options: Leather chin strap, Plastic chin cup, Cotton chin strap

The shroud is manufactured from high impact composite nylon with aircraft aluminium CNC machined insert that the shroud bracket mounts onto. This insures very tight dimensional tolerances, which stabilizes the shroud.

The rails are designed and manufactured from high impact composite nylon which takes a large variety of other accessories.

RAIL FITTINGS



Picatinny rails, General Purpose Mounts and Goggle Mounting Clips

OPTIONAL EXTRAS

- Neck Protector, NIJ Level IIIA
- Helmet Covers & Helmet Bags
- Helmet Velcro kit & Bungees
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