



## **IMPERIAL ARMOUR COMBAT HELMETS**

The Advanced Combat Helmet is very popular because it is lighter and more compact in size. It is commonly used amongst Special Forces, Militaries and Police Forces/Law Enforcement units due to its extreme comfort and higher flexibility in extreme conditions.

### **PASGT**



The PASGT Helmet (**US Personal Armour System Ground Troops protection services**) uses 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

#### **Available Colours for Helmet Shell & Helmet Cover:**

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

#### **Optional Extras**

- 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



# ACH HELMET RANGE

The ACH 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 NVG Shrouds.

## ACH 1

ACH 1 Helmet shell offers maximum ear coverage.



## ACH 2

ACH 2 Helmet has semi cut shell shape for medium ear coverage.



## ACH 3

ACH 3 offers High Cut Shell shape, allowing for Clearance of larger Communication headsets.



HELMET SIZES			
<b>Small</b>	<b>Medium</b>	<b>Large</b>	<b>X-Large</b>
51cm – 55cm	54cm – 59cm	57cm – 62cm	60cm – 63cm



## HELMET ACCESSORIES



**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.



**The NVG shroud** is manufactured from high impact composite nylon with aircraft aluminum CNC machined insert that the NVG bracket mounts onto.

This insures very tight dimensional tolerances, which stabilize the NVG mount.



**The Picatinny side rails** are a low profile helmet mount solution. Rails are made from glass re-enforced polymer for the ultimate in high strength, toughness and durability

The helmet operator can easily mount a selection of mission-specific devices such as cameras, lights, GPS receivers, IFF devices, O2 masks and other devices.



**Neck Protectors** are available conforming to NIJ Level IIIA. The Neck Protectors fit the PASGT and the ACH series. The Neck Protector is easily fitted using the existing harness mounting bolts.

Made from Flame retardant and fireproof materials.

Standard Colours are: Black, Navy, Olive Drab, Desert Tan, UN Blue and White.



## HELMET ACCESSORIES



**7 Pads System** can be placed in vertical or horizontal directions or a combination or at an angle between horizontal and vertical(diagonal).

The vertical configuration maximises airflow for better temperature regulation.

The horizontal configuration makes a seal around the user's head and is better suited for cold weather environments.

It is best to cover hardware with pads in all situations. However, hardware **MUST** be covered with pads in high-risk situations.



**Four -Point Harness** which are easily adjustable with quick release buckles.

Airflow for hot climates.

Special head band around the helmet shell for all round comfort.

Fully adjustable nape pads to accommodate a variety of head sizes.

Adjustable crown pad with nylon cord to allow quick and easy adjustments for a snug fit.

### **Crown Options**

- Net Mesh Crown
- Leather Crown



## BALLISTIC PERFORMANCE

Our Helmets all meet the Standards defined by the NIJ (National Institute of Justice) in the USA which is a worldwide recognised Organisation.

Our products are also designed to meet our customers varying standards and requirements.

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