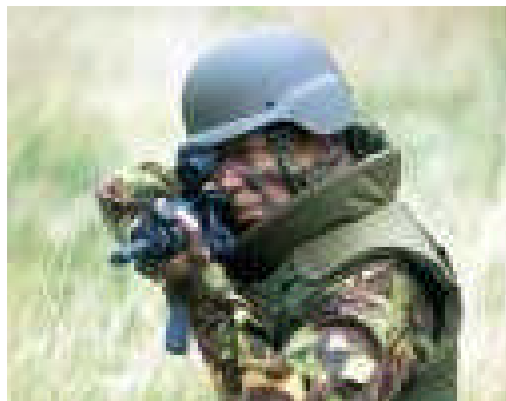




PASGT PST SC 650 H-11 BALLISTIC HELMET

TECHNICAL SPECIFICATION



Introduction

The United Shield International helmet model PASGT PST SC650 is the latest evolution of a well proven design. It incorporates both new materials technology to make the helmet perform better at a lighter weight, it also features a new 4 point fully adjustable suspension system which makes the helmet even more comfortable.

Design

The materials and processes have been improved to increase the content of ballistic material within the shell without increasing the weight. This means that the helmets are not only lighter than their Military counterparts, but are able to defeat a wider range of bullets up to and including NIJ IIIA. The design provides full coverage with full frontal protection and is designed with an ear relief to provide and extra margin of protection to the temporal areas.

The suspension system is padded (with comfort pad fitted at brow) and fully adjustable, with only 4 bolts being required as opposed to the usual 8, and a new mesh crown pad, which gives excellent load distribution. Harness can be easily removed and replaced quickly.

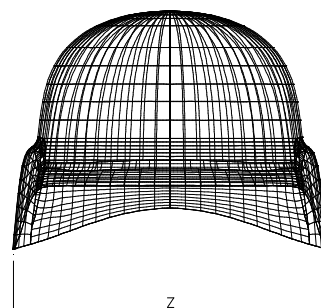
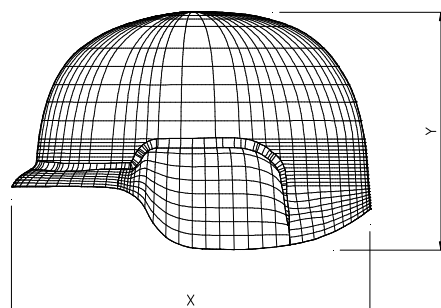
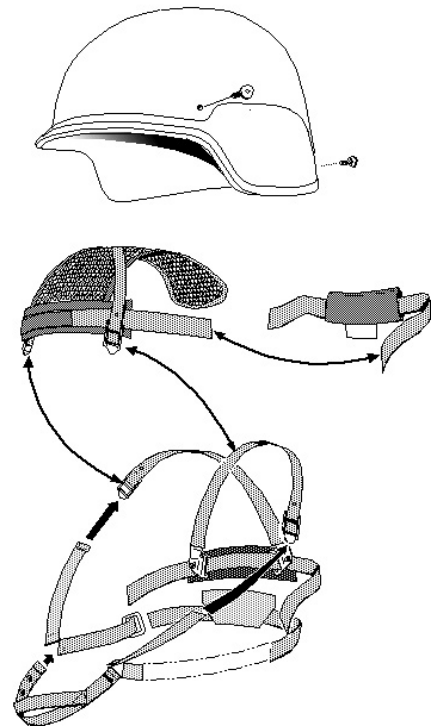
The chin strap has a four point adjustable harness that allows for excellent head retention and head stability

The harness can be adjusted to fit a wide variety of different head sizes and shapes using five basic adjustment points:

- ◆ Velcro adjusted mesh crown pad, to alter helmet height.
- ◆ Velcro adjusted padded head band, to alter head size fit.
- ◆ Plastic Tri Glide buckle on the chin strap, to alter back to front tilt.
- ◆ Load release clip to release harness under stress
- ◆ Three point adjustable chin strap that includes two ladder lock buckles, to alter the chin strap location.

Moreover, once the helmet is fully adjusted to fit, you can remove the helmet by simply releasing the Press Stud on the chin strap.

The helmet is covered in the latest paint technology not only offering the ability to be tailored to a variety of different IRR requirements but also providing a very tough and durable finish.



Features

- Tested by certified NIJ Testing lab standards withstanding multiple NIJ IIIA ballistics shots
- Standard 4 point fully adjustable suspension system
- Four Helmet sizes Small, Medium, Large, XI fitting sizes 5½ through 8½
- Full Ballistic coverage with wider cut around ears to provide an extra margin of protection to temporal area
- Weight 2.8lbs – 3.2 lbs
- Colors: Olive Drab

Performance

Ballistic performance:

The PASGT PST SC 650 has been tested by certified NIJ testing lab standards and performs to the following testing specifications NIJ 0108.01, NIJ 0106.01 and HPW 0401.01 withstanding multiple NIJ IIIA ballistics:

NIJ Level	Bullet	Bullet Weight Grains	Maximum Velocity (ft/sec)	No. of Strikes
IIIA	9mm FMJ	124	1450	5
IIIA	44 Mag SWC - GC	240	1450	5

Fragmentation Performance:

The PASGT PST SC 650 is designed to offer protection in accordance with Mil Std 662 as follows:

Fragment FSP Weight Grains	V ₅₀ m/sec (ft/sec)
17	650 (2150)

Low Velocity Shock Attenuation:

The PASGT SC 650 is designed to offer low velocity impact protection in accordance with EN 397:

Striker Shape	Striker Mass	Drop Height	Residual Force
50mm Hemisphere	5.0 kg	1000mm	<5.0kN

Bolts:

The bolts are also specially designed to comply with the protection offered to the helmet.

Physical Data

Weight & Sizes:

Size	Head Sizes: circ		Dia in	Weight	
	cm	in		Kg	lbs
Small	50-56	19-22	5½ - 6½	1.30	2.8
Medium	54-59	21-23	6 ½ - 7 ¼	1.35	2.9
Large	57-64	22-25	7 - 8	1.40	3.0
X-Large	61-66	24-26	7½ - 8½	1.45	3.2

Colour:

Standard colours are Black, Desert Tan and Olive Drab.

Most colours are available including a wide selection of IRR paints with different reflective signatures.

Materials:

Item	Material
Helmet Shell	Plain Weave KEVLAR in a High Tensile/Elongation Resin
Edge Profile	Neoprene Rubber
Paint	Epoxy Undercoat/Polyurethane Top Coat
Webbing: Head Band	Nylon to UK/SC/3632 E
Webbing: Chin Strap	Polypropylene/ Suede
Plastic Fittings	Acetyl
Foam: Brow Pad	Polyether
Foam: Back Pad	LDPE
Fabric	Polyamide
Mesh Fabric	Polyester
Velcro	Polyamide
Sewing Thread	T.No. 36 Polyester/Cotton
Bolts	Stainless Steel Black Oxy Coated

Available Accessories

Camouflage Covers:

Camouflage covers are available in a wide variety of international camouflage fabrics and if required can be made reversible with two different fabric options.

Face Shields/ Visors:

There is a selection of Face shields that can be fitted to the helmet:

- ◆ Riot Face Shield – with wiper
- ◆ Advanced Riot Face Shield – with wiper
- ◆ Fragmentation/ Mine Clearance Face Shield
- ◆ Bullet Resistant Face Shield

For these to be fixed the helmet will need to be supplied with attachment brackets factory fitted.

Neck Protector:

A three piece removable neck protector is available which offers protection from hand thrown missiles and blunt impact as well as being made in Flame Retardant material.

Belt Carrying Strap:

A simple belt mounted carrying strap that can either carry the helmet or the helmet bag can be attached to the utility belt to allow for hands free manoeuvrability.

Helmet Bag:

A foam lined protective bag is available which can take a helmet with face shield and neck protector and will keep ones helmet protected from the rigors of normal storage conditions. The bag has an attachment loop that will allow it to be clipped onto the utility belt using the carrying strap above.

Spares

A complete harness with new bolts is available and comes with its own hexagonal Allen key to undo the four retaining bolts for quick replacement.

Warranty

United Shield International offer a 5 year warranty on the ballistic performance of the helmet in service. The internal harness is warranted for a period of 2 years. All warranties are subject to United Shield International standard terms and conditions.

Quality Assurance

United Shield International manufacturers in accordance with the quality standard ISO 9001.