
Technical Specification

RBR North America PAS-TAC HELMET NIJ IIIA



Introduction

LBA International's widely adopted PAS-TAC helmet uses the Company's unique processing techniques to provide enhanced shell protection, at lower weight, with improved comfort.

It is a general-purpose helmet for the modern combat soldier. It utilises the excellent performance of aramid, bound in a thermoplastic resin matrix using LBA's unique process technology. This is the key to achieving an excellent performance to weight ratio. The LBA PAS-TAC Helmet can be worn for extensive periods of time, even in adverse conditions, with superior comfort.

The improved harness system not only improves comfort, balance and stress fatigue but also only uses 5 bolts as opposed to the normal 8 in the standard US version.

It is a 2 size helmet and available in different ballistic protection levels.

It is tough, durable and reliable and reflects state of the art design, materials and process technology.

Design

It is manufactured using the latest specification aramid fibre, bound in a thermoplastic resin matrix. The unique LBA process ensures a homogeneous, resilient structure ideally suited for ballistic applications.

The helmet has a smooth conformal shape with no protrusions, sharp contour changes or snagging hazards. It is of low bulk and mass. It can be coated with an IRR paint system.

The edge is covered with a low profile neoprene rubber extrusion, which provides a forgiving and neat finish. The hard sharp edge of the helmet moulding can soon look untidy with the day to day knocks and bumps of service life. Also, it can cause damage to other less durable items. The rubber edge trim prevents this from happening.

The helmet is fitted with a fully adjustable harness system that can be released and removed in just a few minutes by unfastening 5 screws.

A comfort pad is fitted at the brow. This is covered with leather for perspiration absorption and comfort. It features a low section for maximum compatibility with sighting systems.

The harness is a four-strap system with full adjustment for wearing height. It features a crown pad for comfort. The Harness also absorbs shock in excess of the standards laid down in EN 397.

The nape pad is fully adjustable to accommodate a variety of head lengths. This also provides added security of fit, resisting roll off during periods of high activity.

A three-point chinstrap provides optimum retention. It incorporates sufficient adjustment to allow for gas masks and a large variety of head shapes and sizes. The adjusters are quick and easy to operate. A chincup is integral with the chinstrap and is fitted with an easy clean plastic chin cup.

The chinstrap features a press stud fastener for simplicity and reliability.

Colour

The helmet is coated with an epoxy/polyurethane paint system. Standard colours are Black and Olive Drab. Other colours are available on request.

Size

Two basic helmet sizes are offered: Medium and Large. The helmet will fit the central 95% head sizes. The medium fits head sizes 54 to 59cm and the large from 57 to 64cm.

Weight

The average weights of the LBA PAS-TAC helmet are as follows

Size	Medium	Large
Level F6	1250	1350

Materials

All materials selected for this helmet are suitable for purpose. LBA has been using these materials for some time and has full confidence in their selection. The aramid fabric is supported by a certificate of conformance and ballistic test data from the manufacturers.

Protection Level

The helmet is available with protection levels F6

Level F6	V50 – 17 grain fragment 650m/s (2130ft) Bullet resistant to NIJ0108.01 Level IIIA 9mm Remington FMJ 8.0g @ 426ms ⁻¹ min .44 Magnum LSWC 15.5g @ 426ms ⁻¹ min 7.62mm Tokarev lead @ 426s
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Warranty

LBA guarantees the materials and workmanship for a period of 2 years. The ballistic performance of new helmets is guaranteed for 10 years from date of supply. This guarantee is subject to the helmets being used in line with LBA Use and Care instructions.

The performance guarantee may be extended if the helmets are in storage, subject to inspection by LBA of the storage facilities.

Quality Assurance

LBA International Ltd has had its quality system approved BS EN ISO 9001 and welcomes customer inspection of our facilities.
