



# CAIMAN TL HELMET SYSTEM

## ELITE PERFORMANCE HELMET

**THE BATLSKIN CAIMAN® TL HELMET** was designed from the ground up, in collaboration with SOF operators. A next-generation solution that minimizes weight and bulk, while offering maximum protection and performance, the Caiman helmet offers the most area of coverage for a high-cut helmet.



### KEY FEATURES

- Advanced Ultra High Molecular Weight Polyethylene (UHMWPE) material in unique high cut shape
- Available in five (5) sizes for better-fitting, lighter helmet
- Best-in-class APEX Liner System is infinitely customizable for ultimate comfort
- Scalable protection with Visors and Mandible Guards
- Integrates seamlessly with Face Shields, NVGs, Chem/Bio masks and Communication Devices
- 7-year warranty\*

### DESIGNED TO THE FOLLOWING PERFORMANCE STANDARDS

- Modified and abbreviated NIJ 0106.01 / NIJ 0101.06 IIIA THREATS
- Modified and abbreviated NIJ 0106.01 / NIJ 0108.01 IIIA THREATS
- Modified and abbreviated Family of Tactical Headborne Systems dated June 30<sup>th</sup>, 2017
- Modified and abbreviated US Army CO/PD-05-04 dated October 30<sup>th</sup>, 2007

### PHYSICAL CHARACTERISTICS

- **AREAL DENSITY:** 1.30 lbs/ft<sup>2</sup> (6.35 kg/m<sup>2</sup>)
- **THICKNESS:** 0.24 in (6 mm)
- **CUT STYLES:** High Cut



**TAN499**



**BLACK**



**RANGER &  
FOLIAGE GREEN**



**MULTICAM**

|                        | SMALL                                      | MEDIUM                                      | LARGE                                       | X-LARGE                                     | XX-LARGE                                    |
|------------------------|--|---|---|---|---|
| <b>CIRCUMFERENCE</b>   | 20 5/8 - 22 1/2 in<br>(525 - 570 mm)       | 21 1/2 - 23 1/4 in<br>(545 - 590 mm)        | 22 1/2 - 24 in<br>(570 - 610 mm)            | 23 1/4 - 24 3/4 in<br>(590 - 630 mm)        | 24 - 25 3/4 in<br>(610 - 655 mm)            |
| <b>COVERAGE</b>        | 154 in <sup>2</sup> (994 cm <sup>2</sup> ) | 162 in <sup>2</sup> (1045 cm <sup>2</sup> ) | 171 in <sup>2</sup> (1103 cm <sup>2</sup> ) | 185 in <sup>2</sup> (1194 cm <sup>2</sup> ) | 207 in <sup>2</sup> (1335 cm <sup>2</sup> ) |
| <b>WEIGHT (SHELL)</b>  | 1.47 lbs (0.67 kg)                         | 1.53 lbs (0.69 kg)                          | 1.61 lbs (0.73 kg)                          | 1.77 lbs (0.80 kg)                          | 1.92 lbs (0.87 kg)                          |
| <b>WEIGHT (SYSTEM)</b> | 2.33 lbs (1.05 kg)                         | 2.38 lbs (1.08 kg)                          | 2.49 lbs (1.13 kg)                          | 2.71 lbs (1.23 kg)                          | 2.89 lbs (1.31 kg)                          |

*System = Painted shell, hook and loop, NVG shroud, rails with bungees, suspension system, and retention system.*

*Weights indicated are nominal. Actual weight may vary.*

|                      | DESIGNED TO  | PERFORMED TO         |
|----------------------|--|----------------------|
| <b>THREAT</b>        | <b>NIJ 0106.01 / NIJ 0101.06 IIIA THREATS</b>                            |                      |
| .357 SIG             | 1440 - 1500 ft/s (439 - 457 m/s)   | Pass                 |
| .44 MAG SJHP         | 1400 - 1460 ft/s (427 - 445 m/s)   | Pass                 |
| <b>THREAT</b>        | <b>NIJ 0106.01 / NIJ 0108.01 IIIA THREATS</b>                            |                      |
| 9mm                  | 1350 - 1450 ft/s (411 - 442 m/s)   | Pass                 |
| .44 MAG SWCGC        | 1350 - 1450 ft/s (411 - 442 m/s)   | Pass                 |
| <b>PROJECTILE</b>    | <b>V<sub>50</sub> BL(P)</b>  |                      |
| 2-grain RCC          | 4075 ft/s (1242 m/s)   | 4491 ft/s (1369 m/s) |
| 4-grain RCC          | 3450 ft/s (1052 m/s)   | 4116 ft/s (1255 m/s) |
| 16-grain RCC         | 2425 ft/s (739 m/s)  | 2747 ft/s (837 m/s)  |
| 17-grain FSP         | 2200 ft/s (671 m/s)  | 2844 ft/s (867 m/s)  |
| 64-grain RCC         | 1700 ft/s (518 m/s)  | 2113 ft/s (644 m/s)  |
| <b>SHOT LOCATION</b> | <b>9 mm RTP/BTD AT VELOCITY OF 1195 ft/s (364 m/s) +50 ft/s (15 m/s)</b> |                      |
| Crown                | <30 mm (1.18 in)   | 22.9 mm (0.90 in)    |
| Left                 | <30 mm (1.18 in)   | 21.4 mm (0.84 in)    |
| Right                | <30 mm (1.18 in)   | 20.0 mm (0.79 in)    |
| Front                | <30 mm (1.18 in)   | 12.6 mm (0.50 in)    |
| Rear                 | <30 mm (1.18 in)   | 20.9 mm (0.82 in)    |
| <b>SHOT LOCATION</b> | <b>9 mm RTP AT VELOCITY OF 1400 ft/s (427 m/s) +50 ft/s (15 m/s)</b>     |                      |
| Crown                | RTP  | Pass                 |
| Left                 | RTP  | Pass                 |
| Right                | RTP  | Pass                 |
| Front                | RTP  | Pass                 |
| Rear                 | RTP  | Pass                 |

## BLUNT IMPACT

- Designed to < 150G in all locations for 10 ft/s (3 m/s) impact

## ENVIRONMENTAL CONDITIONS

- Designed to Ambient 70°F (21°C), Extreme hot 160°F (71°C), Extreme cold -60°F (-51°C), Immersion in seawater at 70°F (21°C) IAW ASTM D1141-98, Immersion in gasoline at 70°F (21°C) IAW ASTM D910

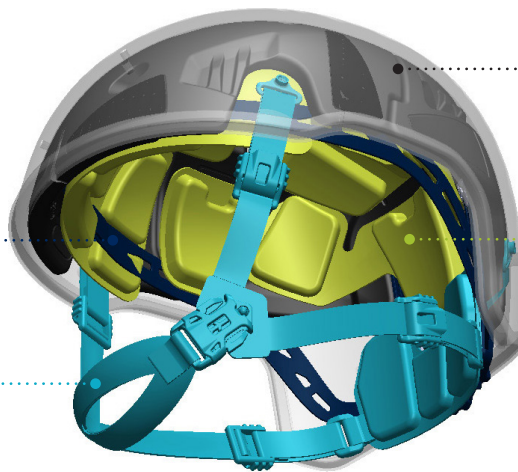
## APEX SUSPENSION & RETENTION SYSTEM

### FIT BAND

- Infinitely adjustable using dial mechanism
- Can be positioned at different heights to accommodate user's head shape
- Easily removable to suit user preference; liner functions without fit band

### RETENTION SYSTEM

- Tensioners enable easy adjustment; no loose straps
- Height adjustable nape pad for NVG stability
- Leather-lined chin cup offers comfort and stability



### IMPACT LINER

- 2-piece full coverage impact liner with modular crown pads
- Liner provides complete, uniform coverage of inside shell and is easily replaceable
- Simple, user-friendly installation and replacement

### COMFORT LINER

- Removable & repositionable pads for a custom, user-optimized fit
- Offers stability and mitigates heat build up
- Easily field replaceable; hygiene replacement kits available



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**\*WARRANTY:** Galvion offers a 7 year warranty on Ballistic Caiman Helmet shells and 1 year on helmet components (internal and external). Please go to [www.galvion.com/warranty](http://www.galvion.com/warranty) for the complete limited warranty. The Caiman TL Helmet is controlled for export by the U.S. Export Administration Regulations (EAR). The export of this helmet and related technical information requires prior authorization from the U.S. Government.