



# CAIMAN HYBRID HELMET SYSTEM

## CARBON SHELL WITH UP-ARMORABLE BALLISTIC PROTECTION

**THE BATLSKIN CAIMAN® HYBRID HELMET** is the first carbon bump helmet in the industry that can be ballistically-enabled. When paired with the two-piece, up-armor Applique, the hybrid shell is elevated to meet military-grade ballistic and impact protection standards, while remaining lightweight and offering the most area of coverage for a high-cut helmet.

### KEY FEATURES

- Helmet is unique geometry in lightweight carbon fiber; applique is advanced Ultra High Molecular Weight Polyethylene (UHMWPE)
- 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 the addition of Ballistic Appliques, 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 (WITH APPLIQUE)

- Modified and abbreviated NIJ 0106.01 / NIJ 0101.06 IIIA THREATS
- Modified and abbreviated US Army AR/PD 10-02 Rev A Change 7 dated October 16<sup>th</sup>, 2014

### PHYSICAL CHARACTERISTICS

- **AREAL DENSITY (SHELL):** 0.69 lbs/ft<sup>2</sup> (3.37 kg/m<sup>2</sup>)
- **AREAL DENSITY (APPLIQUE):** 1.35 lbs/ft<sup>2</sup> (6.59 kg/m<sup>2</sup>)
- **THICKNESS (SHELL):** 0.08 in (2.03 mm)
- **CUT STYLES:** High Cut



	SMALL	MEDIUM	LARGE	X-LARGE	XX-LARGE
<b>CIRCUMFERENCE</b>	20 ¾ - 22 ¼ in (527 - 565 mm)	22 - 23 ¼ in (559 - 603 mm)	22 ¾ - 24 in (578 - 610 mm)	23 ½ - 24 ¾ in (597 - 629 mm)	24 ¼ - 25 ¾ in (616 - 654 mm)
<b>COVERAGE</b>	141 in <sup>2</sup> (910 cm <sup>2</sup> )	149 in <sup>2</sup> (961 cm <sup>2</sup> )	155 in <sup>2</sup> (1000 cm <sup>2</sup> )	169 in <sup>2</sup> (1090 cm <sup>2</sup> )	188 in <sup>2</sup> (1213 cm <sup>2</sup> )
<b>WEIGHT (SHELL)</b>	0.65 lbs (0.29 kg)	0.69 lbs (0.31 kg)	0.71 lbs (0.32 kg)	0.78 lbs (0.35 kg)	0.87 lbs (0.39 kg)
<b>WEIGHT (SYSTEM)</b>	1.45 lbs (0.66 kg)	1.53 lbs (0.69 kg)	1.59 lbs (0.72 kg)	1.72 lbs (0.78 kg)	1.84 lbs (0.83 kg)
<b>WEIGHT (APPLIQUE)</b>	1.21 lbs (0.55 kg)	1.29 lbs (0.59 kg)	1.36 lbs (0.62 kg)	1.50 lbs (0.68 kg)	1.71 lbs (0.78 kg)

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

	DESIGNED TO	PERFORMED TO
<b>THREAT</b>	<b>NIJ 0106.01 / NIJ 0101.06 IIIA THREATS</b>	
.44 MAG SJHP	1400 - 1460 ft/s (427 - 445 m/s)	Pass
<b>PROJECTILE</b>	<b>V<sub>50</sub> BL(P)</b>	
2-grain RCC	4075 ft/s (1242 m/s)	4716 ft/s (1437 m/s)
4-grain RCC	3450 ft/s (1052 m/s)	3646 ft/s (1111 m/s)
16-grain RCC	2425 ft/s (739 m/s)	2747 ft/s (837 m/s)
64-grain RCC	1700 ft/s (518 m/s)	2085 ft/s (636 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	29.0 mm (1.14 in)	8.3 mm (0.33 in)
Left	29.0 mm (1.14 in)	11.7 mm (0.46 in)
Right	29.0 mm (1.14 in)	12.8 mm (0.50 in)
Rear	29.0 mm (1.14 in)	1.7 mm (0.07 in)

## BLUNT IMPACT

- Designed to < 150G in all locations for 10 ft/s (3 m/s) impact
- Performed to average 76.5G with no single impact > 87G

## 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



### 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

### IMPACT LINER

- 3-piece EPP impact liner
- Liner provides complete, uniform coverage of inside shell and is easily replaceable
- Simple, user-friendly installation and replacement



©2021 GALVION INC. ALL RIGHTS RESERVED. GALVION™, BATLSKIN® AND BATLSKIN CAIMAN® ARE TRADEMARKS OF GALVION INC. OR ONE OF ITS AFFILIATES. GAL2371\_0721 EN

**\*WARRANTY:** Galvion offers a 7 year warranty on Caiman Helmet shells, 3 years on non-consumable helmet components (fit band, hardware, buckles), and 1 year on consumable helmet components (comfort layer, impact pads, retention system). Please go to [www.galvion.com/warranty/](http://www.galvion.com/warranty/) for the complete limited warranty. The Caiman Hybrid 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.