



# HELLBENDER™ FE

## REINFORCED SHELL CORE FOR INCREASED BALLISTIC PROTECTION

**THE HELLBENDER™ FE HELMET SYSTEM** is a bespoke solution built to the exact specifications of the FBI with an enhanced shell geometry for a multiple size solution. The unique shell core and no-through-hole design provides increased ballistic protection, while offering increased structural rigidity and improved impact protection.



### KEY FEATURES

- Hybridized layer construction with Ultra High Molecular Weight Polyethylene (UHMWPE) ballistic core and aramid layers
- Available in two (2) sizes, two (2) cuts, with APEX suspension/retention
- The Mid/Full cut provides the ideal balance between full coverage and easy comms integration
- Scalable protection with Visors and Mandible Guards
- Compatible with NVGs, Chem/Bio Masks and Communication Devices



### DESIGNED TO THE FOLLOWING PERFORMANCE STANDARDS

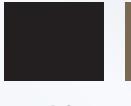
- Meets DEA & FBI Ballistic Testing Helmet Protocol - February 2024

### 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

HELMET CUTS	COLORS	
 		
MID/FULL CUT	BLACK	COYOTE BROWN
 		RANGER GREEN
HIGH CUT		

	SMALL / MEDIUM	LARGE / X-LARGE
<b>CIRCUMFERENCE</b>	20 7/8 - 23 1/4 in (530 - 590 mm)	22 - 24 1/4 in (560 - 615 mm)
<b>WEIGHT* (MID CUT SYSTEM)</b>	3.35 lbs (1.52 kg)	3.51 lbs (1.59 kg)
<b>WEIGHT* (HIGH CUT SYSTEM)</b>	3.20 lbs (1.45 kg)	3.35 lbs (1.52 kg)

System = Painted ballistic shell, Shroud, Rails and APEX Liner.

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

PROJECTILE	DESIGNED TO		PERFORMED TO
	$V_{50}$ BL(P)		
17-grain FSP	2300 ft/s (700 m/s)		2584 ft/s (788 m/s)
SHOT LOCATION	<b>9 mm FMJ RN 124GR @ 1425 ft/s (427 m/s)</b>		
Left/Right	15 mm (0.59 in)		4.45 mm (0.17 in)
Front	20 mm (0.79 in)		8.66 mm (0.34 in)
Rear	15 mm (0.59 in)		10.50 mm (0.41 in)
Crown	15 mm (0.59 in)		7.26 mm (0.28 in)

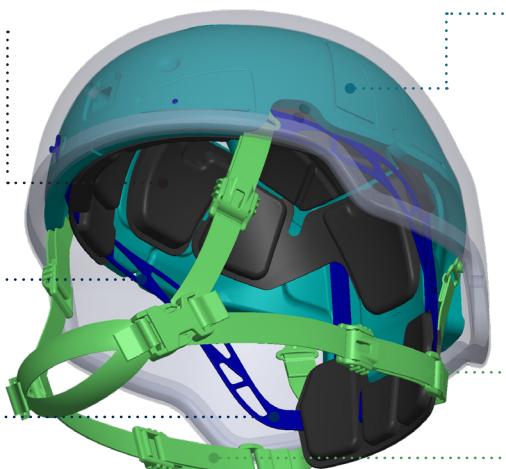
## APEX LINER

### 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

### FITBAND

- Infinitely adjustable using dial mechanism
- Can be positioned at different heights to accommodate user's head shape



### IMPACT LINER

- 2-piece full coverage impact liner with modular crown pads
- Can meet U.S. Army, EN397 and other stringent blunt impact protection requirements
- Simple, user-friendly installation and replacement

### RETENTION SYSTEM

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

## ADDITIONAL ACCESSORIES



Helmet Cover



Fixed Arm Visor



Non-Ballistic Mandible



Counterweight



CBRN Extender



Type III Helmet Bag



Tactical Light Charge X



Tactical Light Switch RGB



Base + Strobe



Wilcox™ G24 Mount



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