



FAST[®] SF

High Cut Helmet System

- High cut, ballistic shell made of a hybrid composite of the most advanced Carbon, Unidirectional Polyethylene and woven Aramid.
- High performance evolution of the Ops-Core FAST MT High Cut Helmet, with an 8% weight reduction, while maintaining compatibility with FAST head borne accessories.
- High cut shell geometry extends critical coverage over the rear occipital lobe without load carrier interference, and optimizes weight distribution for increased stability, integration, balance, and improved comfort.
- High Cut Skeleton Rails offer lower profile with a 30% weight reduction from FAST MT High Cut Rails.
- Features a lightweight Modular Bungee Shroud (MBS) which reduces snag hazards and interference. Integrated carabiner clips improve NVG retention, stability, and reduce interference with rail-mounted accessories.
- Molded liner features proprietary recessed groove, accommodating over-the-head communications headsets with no interference or user discomfort, and ability to doff and don helmet without removing the headset.
- Interior of helmet features expanded polypropylene (EPP) liner, offering enhanced impact protection, and molded-in vent holes provide increased airflow and reduce heat stress.
- Available with Occ-Dial suspension system.

SPECIFICATIONS

Performance Specification*: Modified and Abbreviated Family of Tactical Headborne Systems, dated June 30th 2017; Ops-Core Performance Specification FAST SF PS-1228

NIJ Standards: NIJ 0106.01 with NIJ 0108.01 Level IIIA (9mm FMJ @ 1,400 ft/s) Threat

Ballistic Testing:

*Not all suspension/retention options are tested to full stated standards.

Projectile	Minimum V50 (ft/s)	Minimum V50 (m/s)
2 - Grain RCC	4,200	1,280
4 - Grain RCC	3,475	1,059
16 - Grain RCC	2,475	754
64 - Grain RCC	1,750	533
17 - Grain FSP	2,297	700
124 - Grain 9mm FMJ**	1,195 (+50/-0)	364 (+15/-0)

** 9mm is V₀ tested at this velocity with Backface Transient Deformation (BTD) under 23.4mm (Crown), 27.1mm (Sides), 29mm (Front), and 19.1mm (Rear) when tested on multi-sized clay-filled headforms in accordance with the USSOCOM FTHS Specification.

Blunt Impact Protection: 150 g's maximum at 10 ft/s. Maximum allowable dent 0.023"

Compression Testing: Top-Bottom = .020" (0.51 mm) Max @ 400 lbs. (181.44 kg), Side-Side = .125" (3.18 mm) Max @ 300 lbs. (136.08 kg) lbs.

Environmental Resistance: Temperature -Storage and Operating at Ambient, Cold -60° F (-51° C), and Hot +160° F (71° C), Temperature Shock, Flame Resistance, Altitude, Seawater, Field Agent Resistance, Weatherometer

- Shell Construction:** Two-Stage Non Slit
- Available Sizes:** Medium (M), Large (L), X-Large (XL), XX-Large (XXL)
- Areal Density:** 1.22 lbs/ft² (5957 g/m²)
- Shell Thickness:** 0.220" (5.58mm)
- Shell Geometry (Curvature):** FAST
- Cut Style (Side Protection):** High Cut

Available Colors:

- Tan 499
- Ranger Green
- Black
- MultiCam[®]
- Urban Gray



FAST SF

SPECIFICATIONS (CONTINUED)

SHELL SIZING & COVERAGE

Available Sizes	Medium	Large	X-Large	XX-Large
Head Size (Circumference)	20 7/8 - 22 in (53-56 cm)	22-23 1/4 in (56-59 cm)	23 1/4 - 24 3/8 in (59-62 cm)	24 3/8 - 25 1/8 in (62-64 cm)
Square Coverage	137 in ² (884 cm ²)	148 in ² (955 cm ²)	163 in ² (1052 cm ²)	171 in ² (1103 cm ²)

SHELL WEIGHT**

Available Sizes	Medium	Large	X-Large	XX-Large
FAST SF Shell Weight (Shell with Paint & Edge Band)	1.39 lbs (630g)	1.44 lbs (655g)	1.65 lbs (750g)	1.72 lbs (780g)

SYSTEM WEIGHT**

Size	Large
FAST SF System Weight (FAST SF Shell with Vented Lux Liner w/ Occ-Dial Universal Fitband)	2.40 lbs (1089g)

(**Estimated calculations of weights) Note: All measurements are +/- 3% tolerance

Contact Us

Ops-Core is committed to designing advanced performance capabilities for the elite warrior. For more information regarding the Ops-Core FAST SF High Cut Helmet System, contact Ops-Core at 617.670.3547 or sales@ops-core.com. The FAST SF High Cut Helmet is controlled for export by the U.S. Export Administration Regulations (EAR) 15 CFR 730-774. The export of this helmet and related technical information requires prior authorization from the U.S. Government.