



# FAST<sup>®</sup> 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.
- Ear cut geometry is 16 mm higher than the FAST XP High Cut shell shape, allowing for clearance of larger headset style communication devices.
- 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 three suspension/retention options.

### 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 V<sub>50</sub> 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/ft<sup>2</sup> (5957 g/m<sup>2</sup>)
- Shell Thickness:** 0.220" (5.58mm)
- Shell Geometry (Curvature):** FAST
- Cut Style (Side Protection):** Super High Cut

**Available Colors:**





## FAST SF

### SPECIFICATIONS (CONTINUED)

#### SHELL SIZING & COVERAGE

Available Sizes	Medium	Large	X-Large	XX-Large
<b>Head Size</b> (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)
<b>Square Coverage</b>	137 in <sup>2</sup> (884 cm <sup>2</sup> )	148 in <sup>2</sup> (955 cm <sup>2</sup> )	163 in <sup>2</sup> (1052 cm <sup>2</sup> )	171 in <sup>2</sup> (1103 cm <sup>2</sup> )

#### SHELL WEIGHT

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

#### SYSTEM WEIGHT

	Suspension/Retention Option**	Large
<b>FAST SF System Weight</b> (FAST SF Shell with Suspension/ Retention Options)	<b>Vented Lux Liner w/ Worm-Dial Fitband</b>	2.31 lbs (1046g)
	<b>Vented Lux Liner w/ Occ-Dial Universal Fitband</b>	2.40 lbs (1089g)
	<b>Vented Lux Liner w/ H-Nape Chinstrap</b>	2.25 lbs (1019g)

(\*\*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.