



# FAST<sup>®</sup> SF

## High Cut Helmet System



SHOWN WITH  
PowerPath ARC Rails<sup>†</sup>

<sup>†</sup> Helmets built after July 1st, 2023 will feature the PowerPath ARC Rails

The FAST SF is readily identified as the primary choice for USSOCOM and elite special operations forces worldwide. Offering ballistic protection from 9mm rounds (1200 f/s) and with a shell weight of just 1.44 lbs. / 655g (size L), the SF sets the standard for lightweight, mission-configurable headborne solutions.

- Lightweight Modular Bungee Shroud (MBS) reduces snag hazards and features carabiner clips to improve NVG retention and stability while reducing interference with other rail-mounted accessories
- PowerPath ARC Rail system provides a lightweight mounting solution for Ops-Core headborne ecosystems
- Interior of the helmet features an expanded polypropylene (EPP) liner, offering enhanced impact protection, and molded-in vent holes provide increased airflow and reduce heat stress
- Head-Loc retention Chinstrap maintains security and stability
- External VELCRO<sup>®</sup> Brand loop kit allows for quick and easy attachment and detachment of headborne accessories
- Proprietary recessed groove accommodates over-the-head communication accessories with no interference and allows for helmet donning and doffing without headset removal
- 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 BL(P) at 0° (±5°) Obliquity (ft/s)	Minimum V50 BL(P) at 0° (±5°) Obliquity (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
- 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):** High Cut
- Available Sizes:** Medium (M), Large (L), X-Large (XL), XX-Large (XXL)
- 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\*\*

Size	Large
<b>FAST SF System Weight</b> (FAST SF Shell with Vented Lux Liner w/ Occ-Dial Universal Fitband)	2.33 lbs (1059g)

(\*\*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 Customer Service at +1 888.894.1755 or [groundcs@gentexcorp.com](mailto:groundcs@gentexcorp.com). The FAST SF High Cut Helmet System 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.