



FAST[®] SF

Next Generation Headborne System

The New FAST SF is Ops-Core's lightest weight ballistic helmet system yet. This weight reduction is enabled by the introduction of three new subsystems: the next-generation FAST SF ballistic shell, the LOCKDOWN[™] Liner, and the Head-Loc[®] Flex chinstrap.

- Ballistic protection from 9mm rounds (1,430 ft/s) with a shell weight of just 1.23 lbs/557 g (Size L) the FAST SF offers the same level of ballistic protection as its predecessor but with a 10% reduction in overall system weight.
- LOCKDOWN Liner System incorporates a user-customizable suspension system with multiple strategically placed pads, encouraging airflow. The LOCKDOWN Comfort Liner, featuring moisture-wicking fabric and reticulated foam, offers adaptable density for diverse head shapes and comfortably supports heavy VAS and NVG systems.
- LOCKDOWN conformable nape pad and cable Occ-Dial[®] offer enhanced stability, securing a larger contact area on the rear of the user's head, adapting to individual contours for an improved fit compared to other, more rigid systems.
- LOCKDOWN cable system enables an interference-free fit with headband communication systems.
- Redesigned Head-Loc Flex retention system introduces a unique convertible chin cup that can be worn either over or under the chin, eliminating the need for a mask extender with the O2 and CBRN kit for most users.
- POWERPATH[™] ARC Rail system provides a lightweight mounting solution for Ops-Core headborne systems and features a unique, behind the rail channel for the safe routing of NVG cables.
- 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.
- External VELCRO[®] Brand loop kit allows for quick and easy attachment and detachment of headborne accessories.



Featuring the all new LOCKDOWN Liner System



Head-Loc Flex convertible chin cup can be worn over or under the chin

SPECIFICATIONS

Performance Specification: Family of Tactical Headborne Systems, dated August 31st 2021; Ops-Core Performance Specification FAST SF PS-1608

NIJ Standards: NIJ 0106.01 with NIJ 0123.00 Level HG2 (9mm FMJ @ 1,470 ft/s [448 m/s] and .44 Mag JHP @ 1,430 ft/s [436 m/s])

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

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

BS EN 1385:2012: Helmets for canoeing and white water sports

Ballistic Testing: In accordance with PS-1608

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.

STANAG/AEP 2920: 1.1g (17gr) F5 (FSP) V50 > 710 m/s (2,330 ft/s), 9mm 124gr FMJ, RTP @ 426 m/s (1,400 ft/s) with BFD < 25.4mm (1 inch)

STANAG/AEP 2902: Blunt Impact – Method H: Chapter 4, Section 4.1.1.2, Resistance to Penetration – Method 1: Chapter 5, Section 5.2, Structural Rigidity – Option 2: Chapter 7, Section 7.3, Retention and Stability – Static Loading Method 2 and Stability: Chapter 8, Sections 8.2.3 & 8.3, Age and Environmental Testing – Europe A3, Europe C0, Europe M1, Europe M2, Europe C1, Europe C2, Desert A1, Desert A2, Desert B3, Jungle B1, Jungle B2, Heat Distortion, Temperature Shock, Altitude, Vibration: Chapter 13, Paint Adhesion – Method 1: Chapter 19, Section 19.2



FAST SF

SPECIFICATIONS (CONTINUED)

Shell Construction:	Two-stage non-slit
Shell Thickness:	0.170" (4.32mm)
Shell Geometry (Curvature):	FAST
Cut Style (Side Protection):	High Cut

Available Sizes: Medium (M), Large (L), X-Large (XL), XX-Large (XXL)

Available Colors:



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	145 in ² (933 cm ²)	155 in ² (1000 cm ²)	169 in ² (1089 cm ²)	178 in ² (1149 cm ²)

SHELL WEIGHT*

Available Sizes	Medium	Large	X-Large	XX-Large
FAST SF Shell Weight (Shell with paint & edge band)	1.12 lbs (508g)	1.23 lbs (557g)	1.32 lbs (597g)	1.34 lbs (610g)

SYSTEM WEIGHT*

Available Sizes	Medium	Large	X-Large	XX-Large
FAST SF System Weight (FAST SF Shell with LOCKDOWN Liner System)	1.99 lbs (904g)	2.09 lbs (949g)	2.19 lbs (992g)	2.23 lbs (1014g)

*(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. 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.