



FAST[®] XR

High Cut Helmet System



SHOWN WITH
PowerPath ARC Rails[†]

[†] Helmets built after July 1st, 2023 will feature the PowerPath ARC Rails

The FAST XR offers rifle round levels of protection at a weight that makes it comfortable for extended use. Engineered to protect up to 7.62x39mm lead core rifle rounds and with a shell weight of just 1.72 lbs., the XR is the lightest helmet on the market to offer this level of protection while retaining quick-kit configurability for mission-critical accessories.

- 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
- Vented Lux Liner with Occ-Dial Universal Fitband offers comfort and ventilation
- Head-Loc retention chinstrap maintains security and stability
- External VELCRO[®] 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

SPECIFICATIONS

Performance Specification:** In accordance with Gentex PS1519

NIJ Standards: NIJ 0106.01 with NIJ 0108.01 Level IIIA (9mm FMJ / 44mag @ 1,400 ft/s) Threats

Fragmentation Protection:

Projectile	Minimum V50 BL(P) at 0°(±5°) Obliquity (ft/s)	Minimum V50 BL(P) at 0°(±5°) Obliquity (m/s)
2 - Grain RCC	5,300	1,615
4 - Grain RCC	4,360	1,329
16 - Grain RCC	3,315	1,010
64 - Grain RCC	2,210	674
17 - Grain FSP	3,250	991

Resistance to Penetration*:

Projectile	V0 RTP at 0°(±3°) Obliquity (ft/s)	V0 RTP at 0°(±3°) Obliquity (m/s)
9mm FMJ RN, 124 gr	1,470	448
9mm x 18mm SJLC, 105 gr	1,017	310
.44 Mag SWGC, 240 gr	1,430	436
.44 Mag JHP, 240 gr	1,430	436
7.62mm x 23mm SJLC, 86 gr	1,475	450
7.62mm x 39mm LC, 123 gr	2,400	732
.40S&W GDHP, 180 gr	1,025	312

Blunt Impact Protection: <150 G's at 10 ft/s per ACH CO/PD 05-04: 2007

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) per MICH Type II FQ/PD 06-35C: 2013

Environmental Resistance: Temperature -Storage and Operating at Ambient, Cold -60° F (-51° C), and Hot +160° F (71° C), Temperature Shock, Flame Resistance, Altitude, Vibration, Seawater, Field Agent Resistance, Weatherometer per ACH CO/PD 05-04:2007

Shell Construction: Two-Stage Non Slit

Shell Thickness: 0.280"(M) 0.290" (L/XL/XXL)

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 XR

SPECIFICATIONS (CONTINUED)

SHELL SIZING & COVERAGE

Available Sizes	Medium	Large	X-Large	XX-Large
Head Size (Circumference)	20 7/8 - 22 in (53-56cm)	22 - 23 1/4 in (56-59cm)	23 1/4 - 24 3/8 in (59-62cm)	24 3/8 - 25 1/2 in (62-64 cm)
Square Coverage	142in ² (916 cm ²)	154in ² (994cm ²)	167in ² (1077cm ²)	176 in ² (1135cm ²)

SHELL WEIGHT

Available Sizes **	Medium	Large	X-Large	XX-Large
FAST XR Shell Weight (Shell with Paint & Edge Band)	1.57lbs (713g)	1.72lbs (780g)	1.89lbs (856g)	1.97lbs (894g)

SYSTEM WEIGHT

Available Sizes **	Medium	Large	X-Large	XX-Large
FAST XR System Weight (FAST XR Shell with Vented Lux Liner w/ Occ-Dial Universal Fitband)	2.61lbs (1184g)	2.74lbs (1245g)	2.95lbs (1338g)	3.04lbs (1379g)

(**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 XR High Cut Helmet System, contact Ops-Core Customer Service at +1 888.894.1755 or groundcs@gentexcorp.com. The FAST XR 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.