



FAST[®] RF1

High Cut Helmet System



SHOWN WITH
PowerPath ARC Rails[†]

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

The FAST RF1 is the lightest helmet system on the market to offer protection against 7.62x39mm mild steel core rifle rounds. With a shell weight of only 2.59 lbs. (size L), the RF1 allows for sustained wear in high-threat environments without compromising comfort.

- 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 PS-1368

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	6,050	1,844
4 - Grain RCC	5,575	1,699
16 - Grain RCC	4,625	1,409
64 - Grain RCC	3,150	960
17 - Grain FSP	4,400	1,341

Resistance to Penetration**:

Projectile	V0 RTP at 0°(±3°) Obliquity (ft/s)	V0 RTP at 0°(±3°) Obliquity (m/s)
9mm FMJ RN	1,400	364
7.62 x 39mm MSC	2,380	725
7.62 x 51mm M80 Ball NATO FMJ	2,780	847
5.56mm M193 BT	3,250	990

**Qualified Internally, Size XL Only

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: 0.400" (10.16mm)

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 RF1

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 RF1 Shell Weight (Shell with Paint & Edge Band)	2.41lbs (1097g)	2.59lbs (1175g)	2.86lbs (1301g)	3.13lbs (1418g)

SYSTEM WEIGHT

Available Sizes **	Medium	Large	X-Large	XX-Large
FAST RF1 System Weight (FAST RF1 Shell with Vented Lux Liner w/ Occ-Dial Universal Fitband)	3.26lbs (1479g)	3.45lbs (1564g)	3.78lbs (1715g)	4.05lbs (1835g)

(**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 RF1 High Cut Helmet System, contact Ops-Core Customer Service at +1 888.894.1755 or groundcs@gentexcorp.com. The FAST RF1 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.