



# FAST<sup>®</sup> XR

## High Cut Helmet System

The Ops-Core<sup>®</sup> FAST XR helmet is part of the FAST ballistic protection helmet family. Its innovative, lightweight design resists penetration of up to a 7.62x39mm lead core round and protects against Level IIIA / HG2 handgun projectiles and frag, at a weight of 2.81lbs (Large). The FAST XR integrates into Ops-Core's total headborne system solutions which include situational awareness, optics, and respiratory protection.

- Lightweight design capable of resisting a 7.62x39mm lead core projectile.
- High cut, ballistic shell made of a hybrid composite of the most advanced carbon, unidirectional polyethylene, and woven Aramid.
- 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.
- Low Profile Skeleton Rail system offers a lightweight mounting system for the headborne eco-system.
- Molded liner features proprietary recessed channel, accommodating over-the-head communications headsets with no interference or user discomfort, and ability to doff and don helmet without removing the headset.



## 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°)<br>Obliquity (ft/s) | Minimum V50 BL(P) at 0°(±5°)<br>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                | Minimum V50 BL(P) at 0°(±5°)<br>Obliquity (ft/s) | Minimum V50 BL(P) at 0°(±5°)<br>Obliquity (m/s) |
|---------------------------|--|---|
| 9mm FMJ RN, 124 gr        | 1,470  | 448   |
| 9mm x 18mm SJLC, 105 gr   | 1,017  | 310   |
| .44 Mag SWCGC, 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) lbs. per MICH Type II FQ/DP 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/DP 05-04:2007

**Shell Construction:** Two-Stage Non Slit

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

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

**Shell Geometry (Curvature):** FAST

**Cut Style (Side Protection):** High Cut

**Available Colors:**





## FAST XR

### SPECIFICATIONS (CONTINUED)

#### SHELL SIZING & COVERAGE

| Available Sizes                  | Medium                                    | Large                                    | X-Large                                   | XX-Large                                   |
|----------------------------------|---|--|---|--|
| <b>Head Size</b> (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 1/8 in (62-64 cm)              |
| <b>Square Coverage</b>           | 142in <sup>2</sup> (916 cm <sup>2</sup> ) | 154in <sup>2</sup> (994cm <sup>2</sup> ) | 167in <sup>2</sup> (1077cm <sup>2</sup> ) | 176 in <sup>2</sup> (1135cm <sup>2</sup> ) |

#### SHELL WEIGHT

| Available Sizes **  | Medium         | Large          | X-Large        | XX-Large       |
|---|----------------|----------------|----------------|----------------|
| <b>FAST XR Shell Weight</b><br>(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        |
|--|-----------------|-----------------|-----------------|-----------------|
| <b>FAST XR System Weight</b><br>(FAST XR Shell with Vented Lux Liner<br>w/ Occ-Dial Universal Fitband) | 2.68lbs (1214g) | 2.81lbs (1275g) | 3.02lbs (1268g) | 3.11lbs (1409g) |

(\*\*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 at 617.670.3547 or sales@ops-core.com. The FAST XR 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.