



# FAST<sup>®</sup> MT

## Super High Cut Helmet System



- Super high cut, ballistic shell made of a hybrid composite of Carbon, Unidirectional Polyethylene and Woven Aramid.
- Hybrid composite material yields a shell weight reduction of 42% when compared to the traditional US Army ACH shell and further reduction of 20% when compared to the FAST XP High Cut Helmet.
- Ear cut geometry is 16mm higher than the FAST XP High Cut shell shape, allowing for clearance of larger headset style communications devices.
- Dedicated side armor and mandible components are specifically matched with the higher ear cut geometry.
- Available with four suspension/retention options.

### SPECIFICATIONS

**Reference Testing Standards\*:** US SOCOM Maritime Helmet Specification CO/PD-2010 (July 2013)

**Ballistic Testing:**

\*Not all suspension/retention options are tested to full stated standards.

Projectile	FPS Minimum V50
2 - Grain RCC	4,075 fps
4 - Grain RCC	3,450 fps
16 - Grain RCC	2,425 fps
64 - Grain RCC	1,700 fps
9 mm FMJ RN (V0 at 0° Obliquity)	1,195 fps threshold / @ 1,295 fps objective with 25.4 mm Backface Deformation

**Impact Testing:** 150 g's maximum @ 10 fps

**Compression Testing:** Top-Bottom = .020" Max @ 400 lbs., Side-Side = .125" Max @ 300 lbs.

**Environmental Testing:** Storage / Operating at ambient, cold -60° F, Hot +180° F, Altitude

- Shell Construction:** Two-Stage Non Slit
- Areal Density:** 1.39 lbs/ft<sup>2</sup> (67.87 g/dm<sup>2</sup>)
- Shell Thickness:** 0.253" (6.43mm)
- Shell Geometry (Curvature):** FAST
- Cut Style (Side Protection):** Super High Cut (Maritime)

**Available Colors:**



### Contact Us

Ops-Core is committed to designing advanced performance capabilities for the elite warrior. For more information regarding the Ops-Core FAST MT Super High Cut Helmet System, contact Ops-Core at 617.670.3547 or sales@ops-core.com. The FAST MT Super 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.



## FAST MT

### 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)	N/A
<b>Square Coverage</b>	145.7 in <sup>2</sup> (940 cm <sup>2</sup> )	155.9 in <sup>2</sup> (1006 cm <sup>2</sup> )	170.4 in <sup>2</sup> (1099 cm <sup>2</sup> )	N/A

#### SHELL WEIGHT

Available Sizes	Medium	Large	X-Large	XX-Large
<b>FAST MT Shell Weight</b> (Shell with Paint & Edge Band)	1.44 lbs (653 g)	1.53 lbs (693 g)	1.79 lbs (810 g)	N/A

#### SYSTEM WEIGHT

	Suspension/Retention Option	Large
<b>FAST MT System Weight</b> (FAST MT Shell with Suspension/ Retention Options)	<b>Lux Liner w/ Worm-Dial Fitband</b>	2.51 lbs (1139 g)
	<b>Lux Liner w/ H-Nape Chinstrap</b>	2.40 lbs (1089 g)
	<b>EPP Pads w/ Worm-Dial Fitband</b>	2.36 lbs (1070 g)
	<b>EPP Pads w/ Occ-Dial Fitband</b>	2.42 lbs (1098 g)

Note: All measurements are +/- 3% tolerance

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