

3M™ Combat II Ballistic Helmet L110



Versatile Protection

The 3M™ Combat II Ballistic Helmet L110 is manufactured in the United States by Ceradyne Inc., a 3M company, using advanced thermoplastic composite materials made with Ultra-High Molecular Weight Polyethylene (UHMWPE) ballistic fibers. With integrated retention and suspension systems, the L110 helmet is engineered for excellent versatile protection in a wide range of field conditions.

- Provides protection from hand gun bullets, blunt impacts, bomb fragmentation and select small arms projectiles
- Resistance to penetration against NIJ IIIA threats
- Composite fiber shell utilizes seamless ballistic molding technology for robust ballistic protection
- Versatile geometry is similar to the U.S. Army Advanced Combat Helmet (ACH) and is designed to accommodate gas masks, goggles, and ballistic vests with minimum loss of vision or mobility
- Integrated retention and pad systems provide blunt impact protection, stability and comfort

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- Resistant to penetration (V0) from a 9 mm Full Metal Jacketed Round Nose (FMJ RN) bullet with a nominal mass of 124 grains in accordance with NIJ 0106.01 at 1400 (+ 50) feet per second at 0° obliquity
- Ballistic transient deformation of the helmet shell does not cause a deformation in clay in excess of 25 mm when tested against 9 mm projectile at 1400 (+ 50) feet per second (426 m/s) at 0° obliquity according to the US ACH CO/PD-05-04
- Provides protection against select small arms projectiles including 7.62 × 51 mm M80 NATO ball projectile with V50 ballistic limit value >2,400 f/s (>731 m/s)
- Provides fragmentation protection against 17 grain .22 cal FSP at >3,281 f/s (>1000 m/s) V50 when tested in accordance to STANAG 2920
- Blunt impact protection meets the US ACH standard
- Product is export controlled under the U.S. Export Administration Regulations (EAR)

Construction

The Combat II Ballistic Helmet L110 shell is manufactured in the United States using UHMWPE composites and Ceradyne's proprietary seamless ballistic molding technology, for a durable protective shell that conforms to ACH allowable weight requirements.

With a versatile geometry similar to the ACH, the Combat II L110 helmet features a shell trim contour that provides extra wide eye port opening – allowing maximum peripheral vision and comfortably accommodating gas masks and goggles.

The neck trim line provides excellent versatile protection while allowing uninhibited movement when wearing most ballistic vests with collars.

The retention system is built from tubular nylon webbing reinforced with double bar tacked stitching in critical areas, and features a fully adjustable, smooth slide lock system and padded nape strap to ensure a stable, secure fit. A user friendly quick release mounted on the left side of the wearer's head facilitates easy-on, easy-off use, and will not interfere when sighting the weapon for target acquisition.

The D30® Trust Helmet Pad System includes 1 circular crown pad, 2 trapezoid pads and 4 oblong pads made of a soft polypropylene outer material to facilitate wicking of the wearer's perspiration from his or her skin. A multiple density inner foam pad is designed to attenuate blunt trauma shock. All pads are removable and hand washable.

The helmet is Coyote Brown in color and comes standard with a Single Hole Universal Night Vision Goggles (NVG) mount.

Size and Weight

(Not for specification purposes)

Size	Maximum weight with ¾" pads and 4 pt retention system installed*
Small (S)	2.94 lbs, 1.33 kg
Medium (M)	3.06 lbs, 1.39 kg
Large (L)	3.31 lbs, 1.50 kg
Extra-Large (XL)	3.88 lbs, 1.76 kg

*Weights shown include retention and suspension system

Ordering

For ordering and information contact customer service at 877-876-5423 or your local 3M representative.

Manufactured by Ceradyne, Inc., a 3M company.

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3M Center 220-9E-02
St. Paul, MN 55144-1000

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