

3M™ Combat II Ballistic Helmet



Versatile protection

The 3M™ Combat II Ballistic Helmet is manufactured in the United States by Ceradyne Inc., a 3M company, using ultra-high molecular weight polyethylene (UHMWPE) and advanced ballistic fiber materials. With integrated retention and pad systems, and a shell geometry that is optimized for improved vision and compatibility with most operational accessories, the Combat II is engineered for maximum protection in a wide range of field conditions.

- Provides protection from blunt impact, fragmentation and select small arms projectiles in accordance with US Advanced Combat Helmet (ACH) and STANAG standards.
- Resistance to penetration meets all relevant NIJ standards.
- Composite fiber shell utilizes Seamless Ballistic molding technology to meet ACH weight requirements.
- Versatile geometry is designed to accommodate gas masks, goggles and ballistic vests with minimum loss of vision or mobility.
- Integrated retention and pad systems provide improved protection, stability and comfort.

RIKI Security Solutions Pvt. Ltd.

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Representative Performance Information

- The 3M™ Combat II Ballistic Helmet shell is resistant to penetration (VO) 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 9mm projectile at 1400 (+ 50) feet per second (426 m/s) at 0° obliquity according to the US ACH CO/PD-05-04.
- The Combat II Ballistic Helmet provides protection against select small arms projectiles including 7.62 x 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 >3,100 ft/s (>950 m/s) V50 when tested in accordance to STANAG 2920.
- Blunt Impact Protection meets the US ACH standard.
- EAR controlled product

Manufactured by Ceradyne Inc., a 3M company.

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Construction

The Combat II Ballistic Helmet shell is manufactured in the United States using ultra-high molecular weight polyethylene (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 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 maximum protection coverage, 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 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 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 Brian Parker at bparker@mmm.com, or your local 3M subsidiary.



Ceradyne, Inc., a 3M company

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