

# 3M Ballistic Helmets: Foxtrot (F) Series

## 3M™ Ballistic Helmet F70

The F70 helmet provides a high-value combination of ballistic performance and low weight that far exceed conventional (ACH) helmet specifications. The integrated and configurable helmet design is intended for conventional military combat as well as special forces and law enforcement operations.

Maintains the same coverage as the ACH helmet – at a much lighter weight

**~30%** weight reduction

when compared to ACH specifications for a finished shell



Mid Cut



High Cut

### Product Highlights

- Shell is manufactured with advanced Ultra-High Molecular Weight Polyethylene (UHMWPE)
- Innovative no thru-hole construction for mounting the NVG shroud, retention system and rails, which increases the shell's effective protection area
- Geometry is engineered for improved coverage of critical areas and increased comfort compared to conventional (ACH) helmets
- Modular and configurable to support a variety of mission profiles
- Multiple accessories available, including ballistic mandible and visor
- High Cut evaluated and determined suitable for U.S. Air Force static line and military free-fall operations under the Test Parachute Program (TPP)

### Finished shell weight with paint and trim

Size	F70 Mid Cut (Extended)	F70 High Cut (Tactical)
S	~1.75 lbs (0.79 kg)	~1.52 lbs (0.69 kg)
M	~1.78 lbs (0.81 kg)	~1.56 lbs (0.71 kg)
L	~1.89 lbs (0.86 kg)	~1.72 lbs (0.78 kg)
XL	~2.09 lbs (0.95 kg)	~1.85 lbs (0.84 kg)

### Ballistic Performance

Provides the following fragmentation protection when tested in accordance with STANAG 2920.\*

- **17 grain .22 caliber FSP with V50 value >2,760fps (>840 m/s)**

Meets or exceeds all U.S. Army Advanced Combat Helmet (ACH) ballistic fragmentation requirements\*\* for 2 gr, 4 gr, 16 gr and 64 gr RCC and 17 gr FSP when tested in accordance with MIL-STD662F.\*

Tested in accordance with NIJ Standard 0106.01 for Ballistic Helmets to the following ballistic resistance.\*

#### Level IIIA Helmet to NIJ 0108.01 IIIA Ballistic Threats

- 9 mm FMJ - 124 gr – 1400-1450 ft/s (430 m/s) (VØ)
- .44 Magnum - 240 gr – 1400-1450 ft/s (430 m/s) (VØ)

#### Ballistic Mandible:

17 gr .22 caliber FSP; V50 650 m/s (2130 ft/s)

#### Ballistic Visor:

17 gr .22 caliber FSP; VØ 180 m/s (560 ft/s)

### Blunt Impact Protection

Tested and evaluated with D3O® Trust Pad Systems to DOT&E protocol in accordance with AR/PD 10-02\*\*, AR/PD 14-01 and GL/PD 09-04.

\*Testing performed at NIJ accredited laboratory  
\*\*AR/PD 10-02 (Latest version)

# 3M™ Ballistic Helmet F70

## Standard Configuration

Includes retention and suspension system, rails, NVG shroud, bungee cords and hook and loop appliqué.

## Retention Systems

- X-Back or Dial Retention System
- Two-direction pull for stability and one-hand adjustment
- Does not require a chin extension when using a respirator
- Innovative no thru-hole attachment

## Suspension Systems

- D3O® TRUST Helmet Pad Systems with 7 or 9 pads
- Provides excellent blunt impact protection, stability and comfort

## Accessory Rails

- Reverse dovetail rails accept common industry accessories
- Innovative no thru-hole attachment

## Ballistic Visor

- Attaches to the NVG shroud
- Easy, one-hand attachment and removal
- Coated to resist fogging and scratching

## Ballistic Mandible

- Easy to attach and remove via rails on either side of helmet

## NVG Shroud

- Accepts common industry night vision goggles (NVG)
- Innovative no thru-hole attachment

## Other Accessories

- Helmet Cover, Counterweight Pocket, Helmet Bag, Hook and Loop Appliqué, Picatinny Adaptor, Lanyard



## Available Colors:



### ⚠ WARNING

3M ballistic helmet products are for occupational use only. Only qualified and trained operators should use these helmets. Many factors uniquely within the user's knowledge and control can affect the use and performance of the helmet. The user is solely responsible for evaluating the helmet and determining whether the helmet is suitable for user's intended conditions of use. Misuse or failure to follow warnings and user instructions may result in serious personal injury or death.

Manufactured by Ceradyne Inc., a 3M company.

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