The CERADyne™ range of ballistic protection
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>F70HC</td>
<td>High-Cut Ballistic Helmet</td>
<td>04</td>
</tr>
<tr>
<td>F70</td>
<td>Mid-Cut Ballistic Helmet</td>
<td>05</td>
</tr>
<tr>
<td>L110 COMBAT II</td>
<td>Full-Cut Ballistic Helmet</td>
<td>06</td>
</tr>
<tr>
<td>N49 ULW</td>
<td>Ballistic Bump Helmet</td>
<td>07</td>
</tr>
<tr>
<td>C105HC COMBAT I</td>
<td>High-Cut Ballistic Helmet</td>
<td>08</td>
</tr>
<tr>
<td>C105 COMBAT I</td>
<td>Full-Cut Ballistic Helmet</td>
<td>09</td>
</tr>
<tr>
<td>BA3A-TC</td>
<td>Tactical-Cut Ballistic Helmet</td>
<td>10</td>
</tr>
<tr>
<td>BA3A</td>
<td>PASGT Ballistic Helmet</td>
<td>11</td>
</tr>
</tbody>
</table>
F70HC
High-Cut Ballistic Helmet

The F70 High-Cut ballistic helmet features ≥ 2755 ft/sec (840 m/sec) 17 grain FSP V50 at a significant weight reduction (Areal Density of 7.8 kg/m²). Its advanced design also includes a completely no-thru bolt design, providing the greatest protection across the entire shell. The F70 helmets come standard with NVG mount, rails, bungees, exterior loop set and D3O Trust Stealth suspension. You have your choice of the dial, or X-back retention. The shape and weight provide comfort and stability with helmet mounted accessories, while the cut out ear section provides ease of use for comms/ear pro. For additional protection we offer an optional visor that is ergonomically designed to attach seamlessly to the F70HC helmets.

SIZE & WEIGHT

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>1.52 lbs (.69 kg)</td>
</tr>
<tr>
<td>Medium</td>
<td>1.56 lbs (.71 kg)</td>
</tr>
<tr>
<td>Large</td>
<td>1.72 lbs (.78 kg)</td>
</tr>
<tr>
<td>Extra Large</td>
<td>1.85 lbs (.84 kg)</td>
</tr>
</tbody>
</table>

COLORS

BLACK  GREEN  BROWN  TAN

NIJ Threat Level

NIJ 0106.01 with NIJ 0.108.01 Level IIIA Threats (9mm FMJ/44 mag @ 1400-1450 ft/sec)

Suspension Systems

D3O Trust Stealth Pad System (7 or 9 Pads)
D3O Trust Nimbus Pad System (7 or 9 Pads)
Epic Air Pad System
ZAP Pad System

Retention Systems

Dial Retention System
X-Back Retention System

Blunt Impact Testing

Meets ACH Blunt Impact requirements

Accessories and Spare Parts

NVG Mount (Boltless)
Bungee
Rails (Boltless)
Picatinny Rail Adapter
Ballistic Visor
Counterweight
Hook & Loop Set
Helmet Covers
Helmet Bag (Zippered)

Accessory Testing

Ballistic Visor: 17 gr .22 caliber FSP V50 = 560 ft/sec (170 m/sec)
F70
Mid-Cut Ballistic Helmet

The F70 ballistic helmet features 2755 ft/sec (840 m/sec) 17 grain FSP at Vₚ₀. At the same coverage and >20% weight reduction from the ACH, the F70 offers significantly higher ballistic protection capability. Its advanced design also includes a completely no-thru bolt design, providing the greatest protection across the entire shell. The F70 helmets come standard with NVG mount, rails, bungees, exterior loop set and D3O Trust Stealth suspension. You have your choice of the dial, or X-back retention. The shape and weight provide comfort and stability with helmet mounted accessories, while additional accessories include a ballistic mandible and visor, providing the flexibility to handle day to day operations as well as specific missions and operations.

Optional Ballistic Mandible & Visor Available

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>1.75 lbs (.75 kg)</td>
</tr>
<tr>
<td>Medium</td>
<td>1.78 lbs (.81 kg)</td>
</tr>
<tr>
<td>Large</td>
<td>1.89 lbs (.86 kg)</td>
</tr>
<tr>
<td>Extra Large</td>
<td>2.09 lbs (.95 kg)</td>
</tr>
</tbody>
</table>

COLORS
BLACK GREEN BROWN TAN

NIJ Threat Level
NIJ 0106.01 with NIJ 0.108.01 Level IIIA Threats (9mm FMJ/44 mag @ 1400-1450 ft/sec)

Suspension Systems
D3O Trust Stealth Pad System (7 or 9 Pads)
D3O Trust Nimbus Pad System (7 or 9 Pads)
Epic Air Pad System
ZAP Pad System

Retention Systems
Dial Retention System
X-Back Retention System

Fragmentation Testing
Tested in accordance to NATO STANAG 2920
17 gr .22 caliber FSP Vₚ₀ ≥ 2755 ft/sec (840 m/sec)
Meets and exceeds all ACH Fragmentation requirements when tested to MIL-STD-662F

Blunt Impact Testing
Meets ACH Blunt Impact requirements

Blunt Impact Testing
Ballistic Mandible:
17 gr .22 caliber FSP Vₚ₀ ≥ 2132 ft/sec (650 m/sec)
Ballistic Visor:
17 gr .22 caliber FSP Vₚ₀ = 560 ft/sec (170 m/sec)

Accessories and Spare Parts
NVG Mount (Boltless)
Bungee
Rails (Boltless)
Picatinny Rail Adapter
Ballistic Mandible
Ballistic Visor
Counterweight
Hook & Loop Set
Helmet Covers
Helmet Bag (Zippered)

avon-protection.com
1 888 286 6440 customerservice@avon-protection.com
L110 COMBAT II
Full-Cut Ballistic Helmet

The L110 Combat II ballistic helmet at ACH weight offers rifle bullet protection from 7.62 x 51 mm M80 NATO Ball round, \( V_0 \) at 2200 fps. To add to its high ballistic protection, it provides a \( V_{50} \) for 17 grain FSP \( \geq 3281 \text{ ft/sec} \) (1000 m/sec). Manufactured with Ultra-High Molecular Weight Polyethylene material (UHMWPE) it is designed for wearers who may encounter high threat situations. It is designed to integrate with communications, gas masks, & goggles seamlessly. Included standard is the D3O Trust Stealth suspension system. The 3 options for retention are dial, X-back and H-Back. Additional options for accessories are: NVG shroud, rails, exterior loop set, bungee, and picatinny adapter.

<table>
<thead>
<tr>
<th>SIZE &amp; WEIGHT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>2.9 lbs (1.31 kg)</td>
</tr>
<tr>
<td>Medium</td>
<td>3.0 lbs (1.36 kg)</td>
</tr>
<tr>
<td>Large</td>
<td>3.3 lbs (1.47 kg)</td>
</tr>
<tr>
<td>Extra Large</td>
<td>3.9 lbs (1.77 kg)</td>
</tr>
</tbody>
</table>

COLORS
BLACK | GREEN | BROWN | TAN |

NIJ Threat Level | NIJ 0106.01 with NIJ 0.108.01 Level IIIA Threats (9mm FMJ/44 mag @ 1400-1450 ft/sec) | Suspension Systems | D3O Trust Stealth Pad System (7 or 9 Pads) |
| Special Threat (Rifle) Testing | 7.62 x 51mm NATO M80 Ball \( V_0 = 2200 \text{ ft/sec} \) (670 m/sec) | Retention Systems | D3O Trust Nimbus Pad System (7 or 9 Pads) |
| Fragmentation Testing | Tested in accordance to NATO STANAG 2920 17 gr .22 caliber FSP \( V_{50} \geq 3280 \text{ ft/sec} \) (1000 m/sec) Meets and exceeds all ACH Fragmentation requirements when tested to MIL-STD-662F | Accessories and Spare Parts | Epic Air Pad System |
| Blunt Impact Testing | Meets ACH Blunt Impact requirements | | ZAP Pad System |

<table>
<thead>
<tr>
<th>Blunt Impact Testing</th>
<th>Meets ACH Blunt Impact requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Meets ACH Blunt Impact requirements</td>
<td>NVG Mount (1 or 3 holes)</td>
<td>Bungee Rails Picatinny Rail Adapter Hook &amp; Loop Set Helmet Bag (Zippered)</td>
</tr>
</tbody>
</table>
N49 ULW
Ballistic Bump Helmet

The N49-Ultra-Light Weight Ballistic Bump Helmet provides ballistic protection at the weight and comfort of a bump helmet. The advanced design has boltless retention, available in dial, or x-back as well as no thru bolt rails which provide consistent ballistic protection from the shell. Designed with (UHMWPE) ballistic material at shell weight of just over 1 pound while featuring ballistic and blunt impact protection. The N49 comes standard with NVG mount, rails, bungees, exterior loop set and D3O Trust Stealth suspension. The comfort and wearability afforded by the light weight are paired with the high-cut design to allow easy integration with communication, hearing protection, gas masks and goggles.

### SIZE & WEIGHT

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium</td>
<td>1.20 lbs (.54 kg)</td>
</tr>
<tr>
<td>Large</td>
<td>1.27 lbs (.57 kg)</td>
</tr>
<tr>
<td>Extra Large</td>
<td>1.39 lbs (.63 kg)</td>
</tr>
</tbody>
</table>

### COLORS

- BLACK
- GREEN
- BROWN
- TAN

### NIJ Threat Level

NIJ 0106.01 with NIJ 0108.01 Level IIIA Threats (9mm FMJ/44 mag @ 1400-1450 ft/sec)

### Suspension Systems

- D3O Trust Stealth Pad System (7 or 9 Pads)
- Epic Air Pad System

### Retention Systems

- Dial Retention System
- X-Back Retention System

### Blunt Impact Testing

Meets ACH Blunt Impact requirements

### Accessories and Spare Parts

- NVG Mount (Boltless)
- Bungee
- Rails (Boltless)
- Picatinny Rails Adapter
- Counterweight
- Hook & Loop Set
- Helmet Covers
- Helmet Bag (Zippered)
C105HC COMBAT I
High-Cut Ballistic Helmet

The C105 High Cut Ballistic Helmet is a Level IIIA protection helmet that features our high-performance aramid and composite materials. Its $V_{50}$ for 17 grain FSP is $\geq 2132 \text{ ft/sec (650 m/sec)}$. The High-Cut shape makes it easy to integrate with communications/ear pro, gas masks and goggles. It offers D3O Trust suspension the choice of either the Dial or X-back retention systems. It features optimal adaptability with optional rails, NVG, & exterior loop set accessories.

**COLORS**
BLACK  BROWN  GREEN  TAN

**SIZE & WEIGHT**

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>1.93 lbs (.88 Kg)</td>
</tr>
<tr>
<td>Medium</td>
<td>2.32 lbs (1.05 kg)</td>
</tr>
<tr>
<td>Large</td>
<td>2.39 lbs (1.08 Kg)</td>
</tr>
<tr>
<td>Extra Large</td>
<td>2.56 lbs (1.16 Kg)</td>
</tr>
</tbody>
</table>

**NIJ Threat Level**
NU 0106.01 with NU 0.108.01 Level IIIA Threats (9mm FMJ/44 mag @ 1400-1450 ft/sec)

**Suspension Systems**
D3O Trust Stealth Pad System (7 or 9 Pads)
D3O Trust Nimbus Pad System (7 or 9 Pads)
Epic Air Pad System

**Fragmentation Testing**
Testing in accordance to STANAG 2920
17 gr .22 caliber FSP $V_{50} \geq 2132 \text{ ft/sec (650 m/sec)}$

**Retention Systems**
Dial Retention System
X-Back Retention System

**Blunt Impact Testing**
Meets ACH Blunt Impact requirements

**Accessories**
NVG Mount (3 hole)
Bungee
Rails
Picatinny Rail Adapter
Hook & Loop Set
Helmet Bag (Zippered)
C105 COMBAT I
Full-Cut Ballistic Helmet

The C105 is a Level IIIA ballistic threat protection helmet, offering a low-profile design and full complement of accessories. Designed with our high-performance aramid and composites material makes this helmet durable while offering fragmentation and blunt impact protection. Its $V_{50}$ for 17 grain FSP is $\geq 2132$ ft/sec (650 m/sec). Included standard is the D3O Trust suspension system and the choice of either Dial or X-back retention systems. It features optimal adaptability with optional rails, NVG & exterior loop accessories.

<table>
<thead>
<tr>
<th>SIZE &amp; WEIGHT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>2.36 lbs (1.07 kg)</td>
</tr>
<tr>
<td>Medium</td>
<td>2.64 lbs (1.20 kg)</td>
</tr>
<tr>
<td>Large</td>
<td>2.75 lbs (1.25 kg)</td>
</tr>
<tr>
<td>Extra Large</td>
<td>3.02 lbs (1.37 kg)</td>
</tr>
</tbody>
</table>

**COLORS**
- BLACK
- GREEN
- BROWN
- TAN

**NIJ Threat Level**
- NIJ 0106.01 with NIJ 0108.01 Level IIIA Threats (9mm FMJ/44 mag @ 1400-1450 ft/sec)

**Suspension Systems**
- D3O Trust Stealth Pad System (7 or 9 Pads)
- D3O Trust Nimbus Pad System (7 or 9 Pads)
- Epic Air Pad System

**Retention Systems**
- Dial Retention System
- X-Back Retention System

**Fragmentation Testing**
- Testing in accordance to STANAG 2920
- 17 gr .22 caliber FSP $V_{50} \geq 2132$ ft/sec (650 m/sec)

**Blunt Impact Testing**
- Meets ACH Blunt Impact requirements

**Accessories**
- NVG Mount (3 hole)
- Bungee
- Rails
- Picatinny Rail Adapter
- Hook & Loop Set
- Helmet Bag (Zippered)
BA3A-TC
Tactical Cut Ballistic Helmet

The BA3A-TC offers a one-size-fits-most Level IIIA helmet with great ballistic protection & comfort. Manufactured with high-performance aramid and composites its durability and economical price is well suited for first responders and security personnel. The flared sides design enhances integration with communications, gas masks & goggles. Its comfortable weight features the wearers choice of either the standard, or comfort retention/suspension systems.

NIJ Threat Level
NIJ 0106.01 with NIJ 0.108.01 Level IIIA Threats (9mm FMJ/44 mag @ 1400-1450 ft/sec)

Suspension/Retention Systems
Standard
Comfort

Accessories
Face Shield DK6H.150
Face Shield DK6H.150-S
Helmet Bag (zippered)

COLORS
BLACK  GREEN  BROWN  TAN

SIZE & WEIGHT
Universal Fit  2.84 lbs (1.290 kg)
BA3A
PASGT Ballistic Helmet

The BA3A offers a universal fit, Level IIIA helmet with great ballistic protection & comfort in the PASGT shape. Manufactured with high-performance aramid and composites its durability and economical price is well suited for first responders and security personnel. The flared sides design enhances integration with communications, gas masks & goggles and its brim helps when using face shields to prevent fluids from dripping down the helmet into the face and eyes. Its comfortable weight features the wearer’s choice of either the standard dial, or comfort retention/suspension systems.

<table>
<thead>
<tr>
<th>SIZE &amp; WEIGHT</th>
<th>COLORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal Fit</td>
<td>BLACK</td>
</tr>
<tr>
<td></td>
<td>GREEN</td>
</tr>
<tr>
<td></td>
<td>BROWN</td>
</tr>
<tr>
<td></td>
<td>TAN</td>
</tr>
<tr>
<td>2.91 lbs (1.320 kg)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NIJ Threat Level</th>
<th>NIJ 0106.01 with NIJ 0.108.01 Level IIIA Threats (9mm FMJ/44mag @ 1400-1450 ft/sec)</th>
</tr>
</thead>
</table>
| Suspension/Retention Systems | Dial Retention System  
Comfor t  
Standard |

| Accessories        | Face Shield DK6H.150  
Face Shield DK6H.150-S  
Helmet Bag (zippered) |

avon-protection.com  
1 888 286 6440  
customerservice@avon-protection.com