

# F90™ - BALLISTIC HELMET

COMPLETE  
NO THRU-HOLE  
TECHNOLOGY

The F90 helmet features the perfect combination of performance and weight at an economical price. It's shell is constructed of 100 % UHMWPE ballistic material and is > 15 % lighter than the ACH helmet. To create exceptional performance Avon Protection utilizes a proprietary and innovative helmet molding technology that produces one of the highest 17 gr V<sub>50</sub> results on the market!

## PRODUCT HIGHLIGHTS

- Innovative No Thru-Hole construction for mounting the NVG shroud, retention system and rails which increases the shell's effective protection area
- Shell is manufactured with the advanced Ultra-High Molecular Weight Polyethylene (UHMWPE)
- Available in Full-Cut, Mid-Cut and High-Cut
- >15% lighter than ACH helmet
- Choice of suspension and retention systems
- Accessories options rails (No Thru-Hole), NVG (No Thru-Hole), bungees and exterior loop set

## BALLISTIC PERFORMANCE TESTING

### NIJ Threat Level - IIIA

Tested in accordance to NIJ 0106.01 with NIJ 0.108.01 Level IIIA Threats (9 mm FMJ/44 mag/ 357 Sig)

### Fragmentation Testing

Tested in accordance to NATO STANAG 2920  
17 gr .22 caliber FSP V<sub>50</sub> ≥ 2625 ft/sec (800 m/sec)

### Blunt Impact Testing

Meets ACH Blunt Impact Requirements

### BFD Testing

≤ 25.4 mm at any location when tested in accordance to ACH Gen II PD.

\*Testing performed by a US based NIJ accredited third party laboratory



F90 (Mid-Cut)



F90 (Full-Cut)



## CONFIGURATION OPTIONS

- Choice of rails, NVG shroud, bungees and exterior loop set
- Choice of suspension and retention systems

## RETENTION SYSTEMS

- Team Wendy CAM Fit Dial or H-Back Retention Systems
- Innovative No Thru-Hole attachment
- Allows for one hand adjustment

## SUSPENSION SYSTEMS

- Team Wendy Epic Air Fit and ZAP Suspension Systems
- D3O Trust Stealth Suspension System

## NVG SHROUD

- Accepts all common industry night vision goggle (NVG) adapters
- Innovative No Thru-Hole attachment

## ACCESSORY RAILS

- Reverse dovetail rails accept industry standard accessories
- Innovative No Thru-Hole attachment

## OTHER ACCESSORIES

- Exterior loop set, picatinny adapter, helmet bag, helmet cover, chin strap extender



F90 (High-Cut)

## FINISHED SHELL WEIGHT

(Includes edge trim, hook disks and paint)

Size	Weight – Includes Edge Trim & Paint		
	Full-Cut	Mid-Cut	High-Cut
Small	2.09 lbs (0.95 kg)	2.02 lbs (0.92 kg)	1.82 lbs (0.83 kg)
Medium	2.15 lbs (0.98 kg)	2.09 lbs (0.95 kg)	1.93 lbs (0.88 kg)
Large	2.35 lbs (1.07 kg)	2.27 lbs (1.03 kg)	2 lbs (0.91 kg)
XL	2.65 lbs (1.20 kg)	2.55 lbs (1.16 kg)	2.25 lbs (1.02 kg)

## AVAILABLE COLORS



**WARNING**

Avon Protection 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.



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