



**Ceradyne, Inc.**  
a 3M company

## Ballistic Helmets Charlie (C) Series

**3M™ Combat Ballistic Helmet C105**

**3M™ Combat High Cut Ballistic Helmet C105HC**



3M C105 and C105HC are multi-mission NIJ IIIA ballistic helmets that support various operations that require ballistic and blunt impact protection.

This proven, tactical helmet is designed to provide multiple levels of head protection: Ballistic, Ballistic Fragmentation and Blunt Impact. The helmet is offered in multiple configurations, to meet a variety of operational profiles.

### Product Highlights

- Geometry is similar to the U.S. Army Advanced Combat Helmet (ACH)
- Available in a Tactical High Cut configuration
- Designed to accommodate respirators, goggles, and headsets with minimum loss of vision or mobility
- Optional configurations include Accessory Rails and Night Vision Goggle (NVG) Shroud
- Manufactured utilizing advanced thermoplastic aramid and glass fabric composites.

Weight Finished shell weight with paint and trim		
	C105	C105HC
Small	~2.6lbs (1.2kgs)	~2.3lbs (1.0kgs)
Medium	~2.9lbs (1.3kgs)	~2.5lbs (1.1kgs)
Large	~3.1lbs (1.4kgs)	~2.7lbs (1.2kgs)
Extra-Large	~3.3lbs (1.5kgs)	~2.9lbs (1.3kgs)

**Ballistic Helmets Charlie (C) Series**  
**3M™ Combat Ballistic Helmet C105**  
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## Ballistic Performance

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Tested in accordance to 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) (Vo)
- .44 Magnum - 240 gr – 1400-1450 ft/s (430 m/s) (Vo)

**Provides fragmentation protection against 17 grain .22 cal FSP with V50 value >2,132 f/s (>650 m/s) when tested in accordance to STANAG 2920**

*\*Testing performed at NIJ accredited laboratory*

## Blunt Impact Protection

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Tested and evaluated with D3O® Trust Pad System to DOT&E protocol in accordance with AR/PD 10-02, AR/PD 14-01 and GL/PD 09-04 (Latest versions)



## Accessories

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Face Shield Dk6H.150  
7010350755  
C105 Only



Face Shield Dk6H.150-S  
7010401977  
C105 Only



Ballistic Helmet Bag  
7010350718



Hook & Loop Applique  
Black: 7100159151  
Brown: 7100159150

## Part Numbers: C105HC

3M ID	Shape	Size	Color	Suspension	Retention	Rail	NVG
7010401970	MICH High-Cut	Small	Black	D30	Dial	Rail	--
7010350751	MICH High-Cut	Med	Black	D30	Dial	Rail	--
7010304473	MICH High-Cut	Large	Black	D30	Dial	Rail	--
7010401971	MICH High-Cut	XL	Black	D30	Dial	Rail	--
7010350693	MICH High-Cut	Small	Black	D30	Dial	Rail	NVG
7010297875	MICH High-Cut	Med	Black	D30	Dial	Rail	NVG
7010399830	MICH High-Cut	Large	Black	D30	Dial	Rail	NVG
7010350694	MICH High-Cut	XL	Black	D30	Dial	Rail	NVG

3M ID	Shape	Size	Color	Suspension	Retention	Rail	NVG
7010401968	MICH High-Cut	Small	Green	D30	Dial	Rail	--
7010350750	MICH High-Cut	Med	Green	D30	Dial	Rail	--
7100081746	MICH High-Cut	Large	Green	D30	Dial	Rail	--
7010320300	MICH High-Cut	XL	Green	D30	Dial	Rail	--
7010350691	MICH High-Cut	Small	Green	D30	Dial	Rail	NVG
7010399826	MICH High-Cut	Med	Green	D30	Dial	Rail	NVG
7100062530	MICH High-Cut	Large	Green	D30	Dial	Rail	NVG
7010399827	MICH High-Cut	XL	Green	D30	Dial	Rail	NVG

*More colors and options may be available per request*

## Part Numbers: C105

3M ID	Shape	Size	Color	Suspension	Retention	Rail	NVG
7100082375	MICH	Small	Black	D30	X-Back	--	--
7100082376	MICH	Med	Black	D30	X-Back	--	--
7100062439	MICH	Large	Black	D30	X-Back	--	--
7100145567	MICH	XL	Black	D30	X-Back	--	--
7100171015	MICH	Small	Black	D30	Dial	--	--
7100171014	MICH	Med	Black	D30	Dial	--	--
7010350778	MICH	Large	Black	D30	Dial	--	--
7100171030	MICH	XL	Black	D30	Dial	--	--
7010350692	MICH	Small	Black	D30	Dial	Rail	NVG
7010399828	MICH	Med	Black	D30	Dial	Rail	NVG
7010320171	MICH	Large	Black	D30	Dial	Rail	NVG
7010399829	MICH	XL	Black	D30	Dial	Rail	NVG

3M ID	Shape	Size	Color	Suspension	Retention	Rail	NVG
7010352297	MICH	Small	Green	D30	X-Back	--	--
7100145914	MICH	Med	Green	D30	X-Back	--	--
7010399785	MICH	Large	Green	D30	X-Back	--	--
7010399786	MICH	XL	Green	D30	X-Back	--	--
7010297986	MICH	Small	Green	D30	Dial	--	--
7010399867	MICH	Med	Green	D30	Dial	--	--
7100171010	MICH	Large	Green	D30	Dial	--	--
7010399868	MICH	XL	Green	D30	Dial	--	--
7010350690	MICH	Small	Green	D30	Dial	Rail	NVG
7010399824	MICH	Med	Green	D30	Dial	Rail	NVG
7010320170	MICH	Large	Green	D30	Dial	Rail	NVG
7010399825	MICH	XL	Green	D30	Dial	Rail	NVG

*More colors and options may be available per request*

## Warning

**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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