

MSA BODY ARMOR **FORCEFIELD**™

ForceField™ Concealable Body Armor

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**ForceField
Concealable Armor.**



ForceField™ Alpha Concealable Vest

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ForceField Alpha Concealable Carrier

Rely on MSA's ForceField Alpha Concealable Carrier body armor for maximum comfort and ballistic coverage. Our sizing, style, and inventive design features comprise what a ballistic vest can and should be.

- Increased side coverage and limited ballistic panel slip offer enhanced protection
- The versatile jersey-style carrier can be worn alone or with a T-shirt
- NIJ Approved

Armor-Latch™ Closure

The Armor-Latch Closure enhances body coverage while providing significant full-wrap body armor comfort. Its one-handed forward-pull adjustment easily secures a front-to-back panel overlap, automatically aligning panels for proper side coverage. The aligned solid closure also permits independent armor panel movement for greater mobility.

Lightweight Outer Carriers

This ForceField Body Armor accessory converts your existing MSA Concealable Armor panels into an externally worn vest. Cordura-nylon outer shell can also accommodate MSA Body Armor Panels and the MSA Bravo Carrier. Other convenient features include:

- Adjustable shoulder harnesses that loop to rear panel with downward adjustment
- Side closure via overlapping hook-and-loop, ensuring front-over-back panel position
- Internal cummerbund-style elastic closure including elastic with hook-and-loop closure
- Front and rear hook-and-loop fields for removable ID badges
- Badge placement

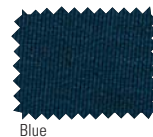
This T-shirt-style carrier offers superior comfort management features:

- Comfortable Lycra-based material that wicks away body moisture
- A cooling layer draws heat away from the body
- Anti-microbial treatment reduces odor-causing bacteria



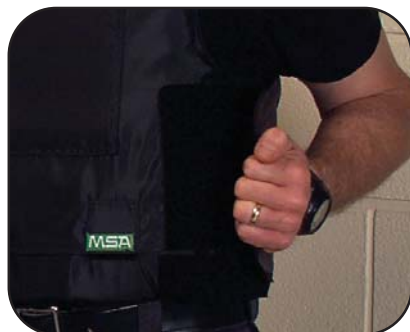
Please refer to our sizing chart and ATO matrix for other configurations.
Available Colors: Black, Blue, White and Olive Green

Part #	Vest Description	Ballistic Package	Level	Size		
				Size	Body Type	Length
10066742	Alpha (Black)	Kevlar - K129	2	Med	1	13
10066743	Alpha (Black)	Kevlar - K129	2	LG	1	13
10066744	Alpha (Black)	Kevlar - K129	2	XL	1	13
10066745	Alpha (Black)	Kevlar - XLT - XTGII	2	Med	1	13
10066746	Alpha (Black)	Kevlar - XLT - XTGII	2	LG	1	13
10066747	Alpha (Black)	Kevlar - XLT - XTGII	2	XL	1	13
10066748	Alpha (Black)	Kevlar - XLT - XTGIII	3A	Med	1	13
10066749	Alpha (Black)	Kevlar - XLT - XTGIII	3A	LG	1	13
10066750	Alpha (Black)	Kevlar - XLT - XTGIII	3A	XL	1	13



Ordering Information

Part #	Description
10078711	Lightweight Carrier - Delta LTC, black, SM 13
10078712	Lightweight Carrier - Delta LTC, black, MD 13
10078713	Lightweight Carrier - Delta LTC, black, LG, 13
10078714	Lightweight Carrier - Delta LTC, black, XL, 13
10078715	Lightweight Carrier - OPC 100, black, SM 13
10078716	Lightweight Carrier - OPC 100, black, MD 13
10078717	Lightweight Carrier - OPC 100, black, LG, 13
10078718	Lightweight Carrier - OPC 100, black, XL, 13
10078719	Lightweight Carrier - EMS, blue, SM 13
10078720	Lightweight Carrier - EMS, blue, MD 13
10078721	Lightweight Carrier - EMS, blue, LG, 13
10078722	Lightweight Carrier - EMS, blue, XL, 13



Armor-Latch Closure



Delta LTC



OPC 100



EMS

Ballistics

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Honeywell

Gold Flex®

DuPont™
KEVLAR

NIJ STANDARD 0101.04 BALLISTIC CHART

	Threat Level	Test Bullet	Bullet Weight	Bullet Velocity
	IIA	9mm - FMJ RN	124gr./8.0g	1120 ft/s - 341 m/s
		40 S&W - FMJ	180gr./11.7g	1055 ft/s - 322 m/s
	II	9mm - FMJ RN	124gr./8.0g	1205 ft/s - 367 m/s
		357 Mag - JSP	158gr./10.2g	1430 ft/s - 436 m/s
	IIIA	9mm - FMJ RN	124gr./8.0g	1430 ft/s - 436 m/s
		44 Mag - SJHP	240gr./15.6g	1430 ft/s - 436 m/s
	III	7.62mm NATO - FMJ	148gr./9.6g	2780 ft/s - 847 m/s
	IV	.30 caliber M2 AP	166gr./10.8g	2880 ft/s - 878 m/s

At a minimum, officers should select body armor that is rated to stop their own service weapon.

Ballistic Packages

All ForceField ballistic packages are certified to NIJ 0101.04, 2005 Interim Requirements. In addition to ballistic certification requirements conducted at independent laboratories, MSA's advanced R&D center conducts its own materials testing, accelerated aging and conditioning as well as ballistics testing within our in-house state of the art ballistics laboratories.

ForceField XTG Series

Materials:

Kevlar XLT and Goldflex

MSA's XTG Series features KEVLAR® Comfort XLT™ Fabric, the latest ballistic technology from DuPont™ Kevlar®. This technology provides lightweight protection and comfort. Honeywell's GoldFlex Aramid laminate provides excellent mobility and stopping power.

ForceField K129 Series

Materials: *100% Woven Kevlar® 129 Fabric*

The K129 Ballistic series provides confidence you need on the job. Consisting of 100% woven Kevlar® 129 Aramid Fabric, the ForceField K129 Series fits most budgets and provides outstanding ballistic performance.

See specifications for details.



ForceField™ Bravo Concealable Vest

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ForceField Bravo Concealable Carrier Assembly

The ForceField Bravo Concealable Carrier Assembly is your choice for traditional styling, low profile comfort and protection. The ForceField Bravo incorporates MSA's unique Flex Panel sizing for optimal coverage and full panel convertibility with the MSA Alpha Vest.

- Durable poly/cotton outer shell
- AkwaDyne nylon provides comfort over wide temperature ranges
- Four- or six-point flexible adjustment
- Fully removable straps plus hidden hook-and-loop closure for panel change-outs



Please refer to our sizing chart and ATO matrix for other configurations.
Available Colors: Black, Blue, White, Olive Green and Tan

Part #	Vest Description	Ballistic Package	Level	Size		
				Body Type	Length	
10066751	Bravo (Navy Blue), 4-Point	Kevlar-K129	2	Med	1	13
10066752	Bravo (Navy Blue), 4-Point	Kevlar-K129	2	LG	1	13
10066753	Bravo (Navy Blue), 4-Point	Kevlar-K129	2	XL	1	13
10066754	Bravo (Navy Blue), 4-Point	Kevlar - XLT - XTGII	2	Med	1	13
10066755	Bravo (Navy Blue), 4-Point	Kevlar - XLT - XTGII	2	LG	1	13
10066756	Bravo (Navy Blue), 4-Point	Kevlar - XLT - XTGII	2	XL	1	13
10066757	Bravo (Navy Blue), 4-Point	Kevlar-K129	3A	Med	1	13
10066758	Bravo (Navy Blue), 4-Point	Kevlar-K129	3A	LG	1	13
10066759	Bravo (Navy Blue), 4-Point	Kevlar-K129	3A	XL	1	13



Six-Point Closure



Four-Point Closure

ForceField Bravo Accessories

Part #	Description
10067371	Four-Point Conversion Kit, Two 4" Side Straps, Black
10067373	Six-Point Conversion Kit, Four 2" Side Straps, Black

ForceField Concealable Accessories –Trauma Plates

Part #	Description
10067347	Trauma Plate Steel, 6" x 8"
10067348	Trauma Pack, Soft Ballistic, 6" x 8"



Female Body Armor

The ForceField Bravo Female Concealable Carrier Assembly meets the needs of female officers in styling, comfort, and protection, featuring MSA's unique:

- Non-darted seamless ballistic construction that accommodates the female form while minimizing uncomfortable wear
- Full-wrap ballistic coverage which provides unmatched side protection
- Flexible sizing, ensuring a comfortable fit
- Poly cotton outer shell for durability and low-profile concealability

- Nylon woven mesh liner that provides comfort and moisture management
- Fully removable strapping and easy panel removal for ease in laundering

Ordering Information

Part #	Description
10074446	XTG Level II Female
10074445	XTG Level IIIA Female
10074443	K129 Level II Female
10074444	K129 Level IIIA Female

TRUSTED BY THE MILITARY

Since World War I, generations of soldiers have worn MSA gas masks to protect against lethal dangers. Today, U.S. military forces in Iraq and Afghanistan also trust MSA's battle-tested Advanced Combat Helmet (ACH) and MICH™ Communication System.



TRUSTED BY LAW ENFORCEMENT

For years, MSA products such as the Millennium® CBRN and Riot-Control Gas Masks, helmets, and gas detectors have provided safety solutions for emergency task forces, FBI, DEA, state and local police, and sheriffs' deputies.



With today's increasing need for specialized police protection, we have invested even more resources toward our state-of-the-art research and engineering capabilities, including three ballistic testing chambers. We take the business of protecting the protectors very seriously.



TRUSTED FOR OUR COMMITMENT

Driven by our long history of integrity and passion for safety, MSA continually reinvests in our engineering operations to improve what works well and develop new products that provide solutions to emerging needs. An ISO 9001-2000 certified manufacturer, MSA constantly works toward improving design, materials procurement, and production processes.

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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Protecting the protectors since 1914.