



2016 PRODUCT CATALOG



READY IS THE ONLY OPTION.





CONTENTS

NIJ STANDARDS & DESIGN

• NIJ Standards 0101.06 & 0115.00

• Male & Female Vest Design

• Tiered Solutions

BALLISTICS

• HELIX

• LITEX

• PROX

CORRECTIONS

• TALONX

• TALON

CARRIERS

• Orion Concealable Carrier [OCC]

• Tactical Outer Carrier [TOC]

• Tactical Response Carrier [TRC]

• Uniform Shirt Carrier [USC]

• Clean Front Carrier [CFC]

• EMS Carrier [EMS]

• APB Carrier [APB]

• Firearms Instructor Carrier [FIC]

• Quilted Outer Carrier [QOC]

TACTICAL

• Atlas T3 / T5 / T7

• QUAD

• International SWAT

• Active Shooter Kit [ASK]

HARD ARMOR

• Special Threats / Rifle Plates

• Ballistic / Riot Helmets

• Ballistic / Riot Shields

3

4

5

6

7

7

8

8

10

12

12

13

13

14

14

14

14

16

18

18

18

19

19

19

GH Armor Systems, located in Dover, Tennessee, is a leading provider of high-performance

protective solutions to the military, federal and law enforcement

communities. With more than 30 years of experience, GH offers a comprehensive portfolio of advanced armor solutions that includes concealable, tactical and correctional products designed for superior wearability and protection. All GH Armor Systems products are precision engineered to meet the highest industry standards for quality, reliability and safety.

gharmorsystems.com

Visit us online for additional information and resources including Online Sizing Submission, Distributor Locator, BVP Application Support, Warranty Registration and more.

NIJ STANDARDS & DESIGN



GH Armor Systems is committed to providing a solution for every threat. Whether duty calls for protection from bullets, spiked weapons or both, GH has you covered. All products are designed to meet and exceed federal test standards. The tables below identify baseline threats tested during certification. Special threat testing is available for select models and performed at NIJ-certified independent test facilities.



NIJ STANDARD—0101.06 BALLISTIC RESISTANCE				
	BULLET CALIBER & TYPE	BULLET WEIGHT (GRAINS)	NEW ARMOR VELOCITY (FT/S)	CONDITIONED ARMOR (FT/S)
THREAT LEVEL IIA	9mm FMJ	124	1225	1165
	.40 S&W FMJ	180	1155	1065
THREAT LEVEL II	9mm FMJ	124	1305	1245
	.357 Magnum JSP	158	1430	1340
THREAT LEVEL IIIA	.357 SIG FMJ	125	1470	1410
	.44 Magnum SJHP	240	1430	1340
THREAT LEVEL III	7.62mm (M80 U.S. Military)	147	N/A	2780
THREAT LEVEL IV	.30 Caliber Armor Piercing Rifle Round (M2 AP)	166	N/A	2880

NIJ STANDARD—0115.00 STAB RESISTANCE				
	“E1” STRIKE ENERGY		“E2” OVERTEST STRIKE ENERGY	
	JOULES (J)	FT•LBF	JOULES (J)	FT•LBF
SPIKE LEVEL 1	24 ± 0.50	17.7 ± 0.36	36 ± 0.60	26.6 ± 0.44
SPIKE LEVEL 2	33 ± 0.60	24.3 ± 0.44	50 ± 0.70	36.9 ± 0.51
SPIKE LEVEL 3	43 ± 0.60	31.7 ± 0.44	65 ± 0.80	47.9 ± 0.59

MALE & FEMALE VEST DESIGN

Male and female bodies are simply different. Then why should male and female armor be made the same? They shouldn't. GH Armor Systems design engineers have created male and female models – over 1,000 sizes of each – in our most popular packages to ensure optimal fit and coverage for every body type.

MALE & NON-STRUCTURED FEMALE

All GH models are available in male and non-structured female designs. With more than 30 years of experience, we know that every body type is different and sometimes that means a non-structured fit is better for some women. Our primary goal is simple: to provide you with the best fit. You can be comfortable knowing that each custom-sized female vest is reviewed by one of our Product Design Group specialists and backed by our 60-Day Fit Guarantee.



STRUCTURED FEMALE

Separately certified from the male models, our structured female designs are specifically created to fit all of the possible shapes and curves of the female form. We've identified the nine measurements that are crucial to finding just the right size and use those to create your custom-sized vest. Our structured female vests include proprietary, contoured bust design and seaming to provide a smooth, natural and sculpted fit. Available in Helix and LiteX series.

An improper fit is the primary cause of uncomfortable armor. While we maintain a first-time fit rate of over 98%, GH Armor Systems offers a 60-Day Fit Guarantee for all custom-sized vests. Should the wearer deem their armor in need of alteration – bigger, smaller, longer,



shorter – the vest may be returned within 60 days of original shipment to GH for one alteration at no charge. Please note the Fit Guarantee does not apply to vests ordered in stock sizes. Visit our website or contact GH Customer Service to learn more.

TIERED SOLUTIONS

PREMIUM



- Premium lightweight solution
- Unmatched softness and comfort
- Special-threat tested
- Available in Levels II & IIIA

PERFORMANCE



- Perfect combination of price and performance
- Design focus on wearability
- Special-threat tested
- Available in Levels II & IIIA

VALUE



- Protection with emphasis on value
- Meets latest NIJ standard for varied duties
- Available in Levels IIA, II & IIIA

MULTI-THREAT



- Defeats both ballistic and spike threats
- Designed for protection and comfort
- Available in Level II/2

CORRECTIONS



- Protection against spike threats
- Extremely lightweight and flexible
- Available in Levels 1, 2 & 3

BALLISTICS

MISSION OBJECTIVE: WEARABILITY

Weight is not the only determinant of a comfortable vest. GH Armor Systems understands that there are a variety of factors that contribute to a vest that is wearable. Through rigorous design and testing, solutions are optimized not only to reduce weights, but also to improve flexibility, softness and comfort. Whether on deployment or working an extended shift, the only kind of vest that works is a vest that is worn. WEARABILITY INCREASES SURVIVABILITY.



SPECIAL THREAT TESTING is available for select models and performed at NIJ certified independent test facilities. NIJ test protocol certifies models to specific performance standards, while special threat testing uses the same facilities and conditions to test popular rounds specific to regional threats.

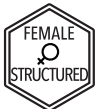
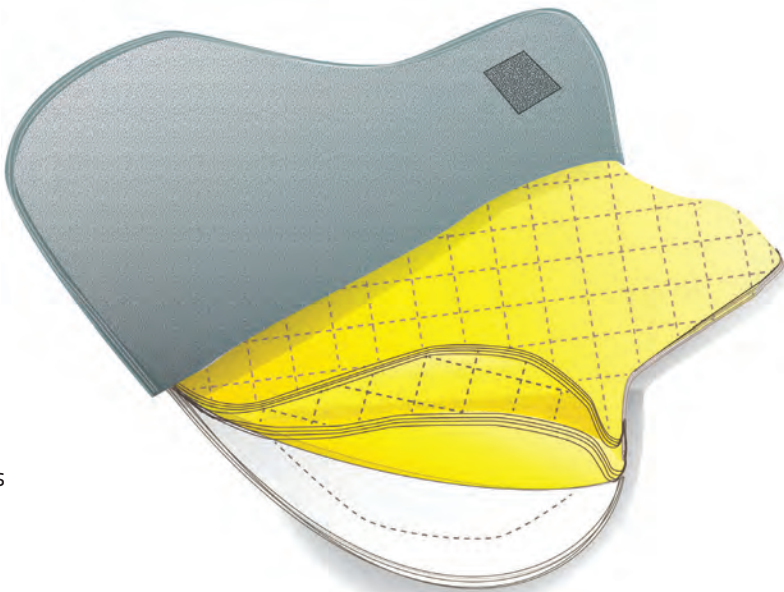


PREMIUM LIGHTWEIGHT SOLUTIONS FOR ABSOLUTE COMFORT.

LEVELS II IIIA

The first and last choice when the requirement for comfort is absolute. The HeliX series offers a level of comfort and flexibility that is difficult to achieve in lightweight packages.

- Hybrid designs featuring Kevlar®, Spectra Shield® and Goldshield®
- Available in male and structured female designs
- Special threat tested (see website for details)
- Water-resistant panel cover with heat-sealed seams
- Exclusively patented ballistic desiccant for moisture management



DuPont™ KEVLAR®

Honeywell

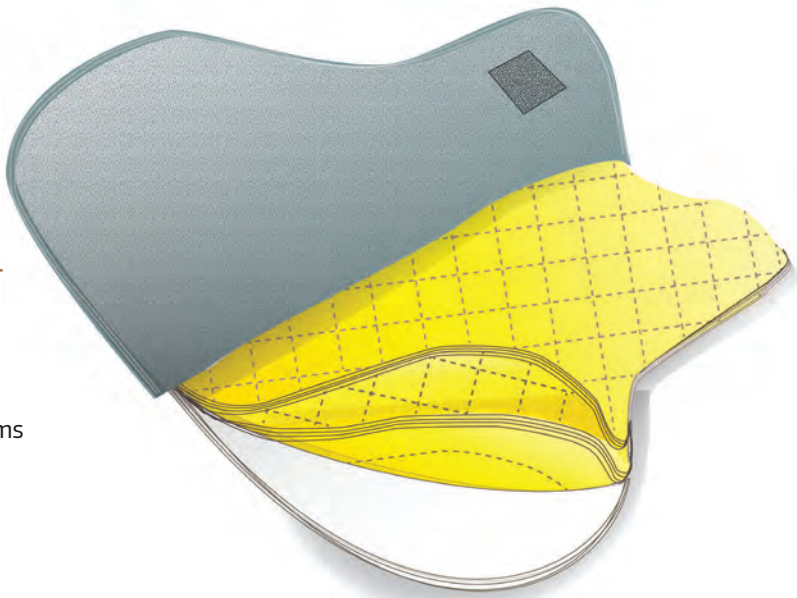


THE PERFECT COMBINATION OF PRICE AND PERFORMANCE.

LEVELS II IIIA

The LiteX series provides superior protection and increased trauma performance with a focus on wearability, making it the workhorse of the line.

- Hybrid designs featuring Twaron® and Gold Flex®
- Available in male and structured female designs
- Special threat tested (see website for details)
- Water-resistant panel cover with heat-sealed seams
- Exclusively patented ballistic desiccant for moisture management



Twaron®
The power of Aramid

Honeywell

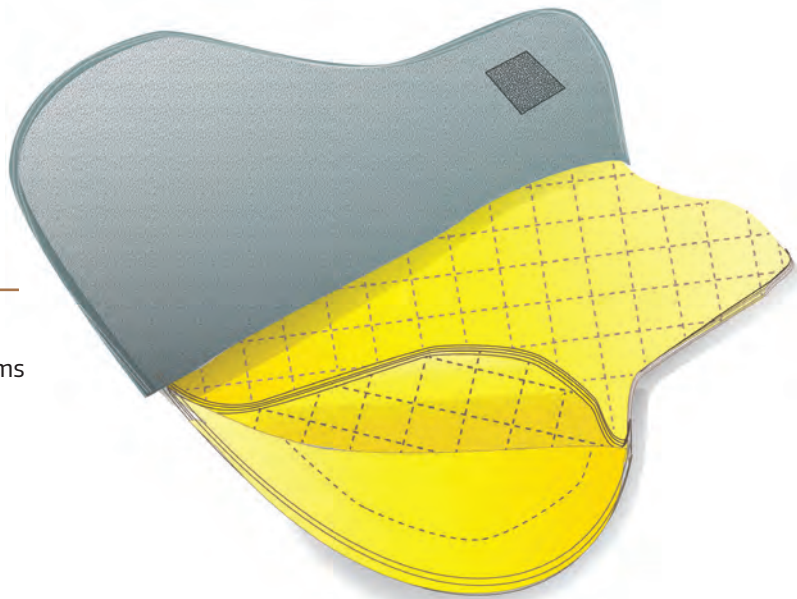


COMPLETE PROTECTION WITH AN EMPHASIS ON VALUE.

LEVELS IIA II IIIA

The ProX series offers access to NIJ Standard-0101.06 protection at an affordable price. Delivering both extreme value and availability in custom-sized solutions.

- Aramid Laminate construction
- Water-resistant panel cover with heat-sealed seams
- Exclusively patented ballistic desiccant for moisture management



Twaron®
The power of Aramid

CORRECTIONS

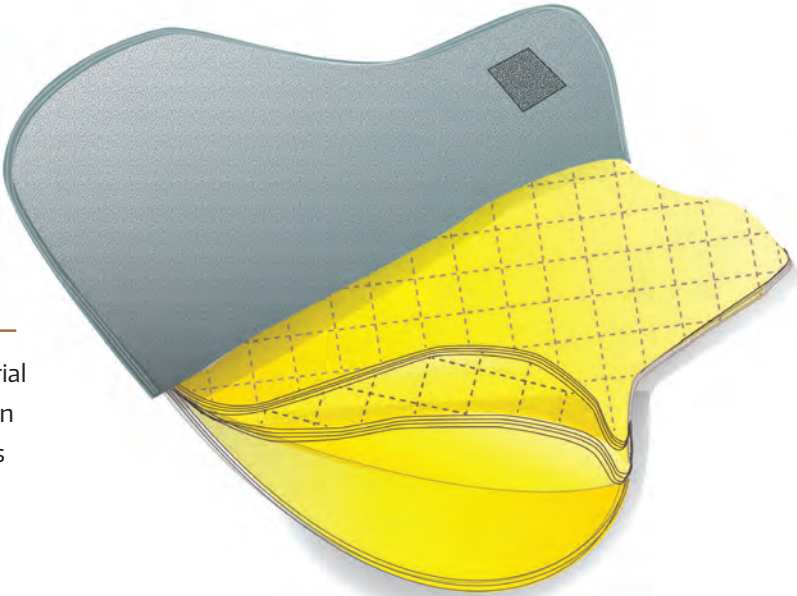


ADVANCED PROTECTION
AGAINST MULTIPLE THREATS.

LEVEL II/2

The TalonX II/2 is the answer for multiple-threat environments. Certified to both NIJ Standard-0101.06 and 0115.00, provides ballistic Level II and spike Level 2 protection. Hybrid Kevlar® construction provides exceptional reliability.

- Hybrid design featuring Kevlar® Correctional™ material
- Dual-threat certified for ballistic and spike protection
- Water-resistant panel cover with heat-sealed seams
- Exclusively patented ballistic desiccant for moisture management



DuPont™ KEVLAR® Honeywell

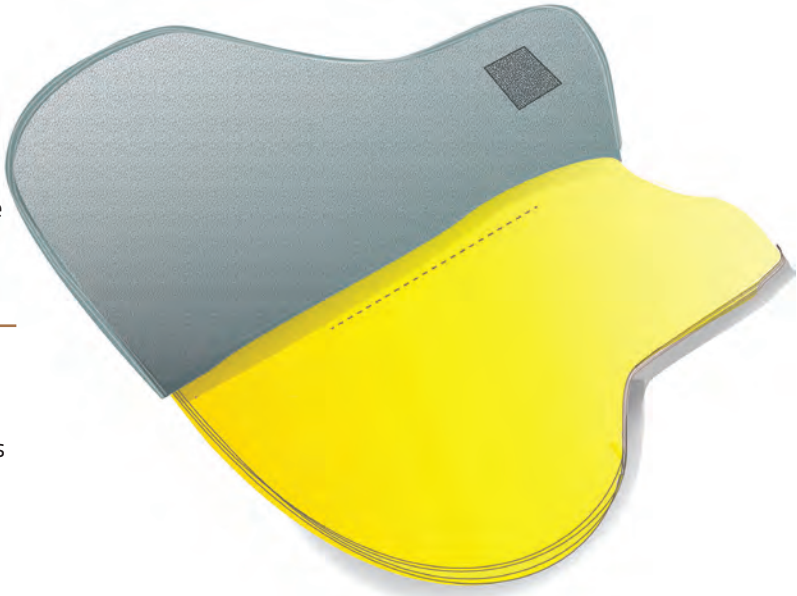


YOUR STOP FOR SPIKE PROTECTION.

LEVELS 1 2 3

The Talon series offers correctional officers varied levels of spike protection. Engineered from proven Kevlar® Correctional™ material, lightweight and flexible solutions. Compatible with concealable or external carriers for mission adaptability.

- Featuring Kevlar® Correctional™ material
- Certified to three levels of spike protection
- Water-resistant panel cover with heat-sealed seams
- Exclusively patented ballistic desiccant for moisture management



DuPont™ KEVLAR®



CARRIERS

NIJ STANDARDS & DESIGN

BALLISTICS

CORRECTIONS

CARRIERS

TACTICAL

HARD ARMOR

NIJ STANDARDS & DESIGN

BALLISTICS

CORRECTIONS

CARRIERS

TACTICAL

HARD ARMOR

OCC | ORION CONCEALABLE CARRIER

KEY DESIGN FEATURES



All GH Armor Systems carriers are proudly made in the USA

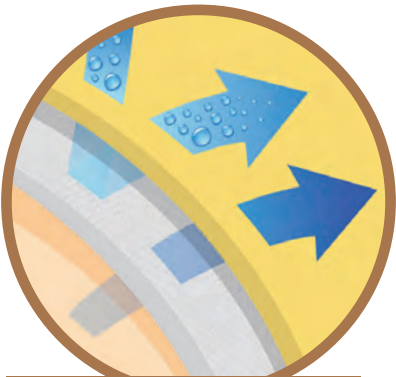
Spacer mesh padded shoulders for added comfort and weight distribution

Ballistic suspension for proper panel alignment prevents sagging and curling

Front and rear dual 5x8"/8x10" trauma plate pockets (female 5x8" only)

Accepts all GH concealable panels

Rear discrete apron for clean and adjustable closure



Dynamic knit fabric inner lining, moisture wicking, anti-microbial and odor resistant

Removable 6- and 4-point strap kit for multiple configurations

External panel load offers easy access and eliminates uncomfortable body-side seams



ADDITIONAL FEATURES

- Nylon hexagonal ripstop, sleek and durable
- Dynamic knit fabric inner lining, moisture wicking, anti-microbial and odor resistant
- Spacer mesh padded shoulders and back for comfort and weight distribution with strap pass-through channel
- Front and rear dual 5x8"/8x10" trauma plate pockets (female 5x8" only)
- Removable 6- and 4-point strap kit with elastic cummerbund
- Full width 6" rear loop for optimal adjustability
- Front and rear shirt tails for secure vest alignment
- Dynamic knit fabric at stress points for flexibility
- Hexagonal ripstop integration in friction zones for added durability
- Rear access apron for discrete strap adjustment

COLORS

- Black Dark Navy Tan White



BACK VIEW



SIDE VIEW



STRUCTURED FEMALE

EXTERNAL CARRIERS



TOC | TACTICAL OUTER CARRIER

- Accepts all GH concealable panels
- External tactical carrier with fixed pockets
- Durable 500 denier Cordura Nylon outer material
- Moisture wicking inner lining for heat and moisture management
- Front pockets include 6x6" utility, pen/flashlight, triple mag and universal radio
- Rear pockets include dual handcuff
- Hidden chest pocket with zipper closure
- Front and rear ID's included with 4x10" Velcro loop for attachment
- Dual mic tabs at shoulders
- Easy and secure body-side panel access
- Ballistic suspension for proper panel alignment prevents sagging and curling
- Internal cummerbund for secure fit
- Fully adjustable side and shoulder closures with durable high-profile Velcro
- Internal 5x8" and 8x10" front trauma plate pockets

COLORS

- Black
- Dark Navy
- Coyote
- OD Green

USC | UNIFORM SHIRT CARRIER



- Accepts all GH concealable panels
- External carrier with professional, non-tactical appearance
- Durable 600 denier polyester outer material
- Moisture wicking inner lining for heat and moisture management
- Two functional dress pockets with dual pen sleeves
- Two hidden pockets behind upper dress pockets for discreet storage
- Two lower utility pockets for added storage
- Standard badge grommets and optional name plate grommets/attachment included
- Formal shoulder epaulets double as mic tabs
- Easy and secure body-side panel access
- Ballistic suspension for proper panel alignment prevents sagging and curling
- Internal cummerbund for secure fit
- Fully adjustable side and shoulder closures with durable high-profile Velcro
- Internal 5x8" and 8x10" front trauma plate pockets

COLORS

- Black
- Dark Navy
- Gray
- Brown
- Khaki
- Tan
- White

TRC | TACTICAL RESPONSE CARRIER

- Accepts all GH concealable panels
- External tactical carrier with MOLLE attachment
- Durable 1000 denier Cordura Nylon outer material
- Moisture wicking inner lining for heat and moisture management
- Front and rear 10x12" hard armor plate pockets
- Internal 5x8" front trauma plate pocket
- Rear drag strap for emergency extraction
- Front and rear ID's included with hybrid MOLLE/Velcro zone for attachment
- Dual mic tabs at shoulders
- Easy and secure body-side panel access
- Ballistic suspension for proper panel alignment prevents sagging and curling
- Internal cummerbund for secure fit
- Fully adjustable side and shoulder closures with durable high-profile Velcro

COLORS

- Black
- Dark Navy
- Coyote
- OD Green



CFC | CLEAN FRONT CARRIER

- Accepts all GH concealable panels
- External carrier with low profile and hidden pockets
- Durable 500 denier Cordura Nylon outer material
- Moisture wicking inner lining for heat and moisture management
- Hidden chest pocket with zipper closure
- Two large side-accessible zippered pockets
- Front and rear ID's included with 4x10" Velcro loop for attachment
- Dual mic tabs at shoulders
- Easy and secure body-side panel access
- Ballistic suspension for proper panel alignment prevents sagging and curling
- Internal cummerbund for secure fit
- Fully adjustable side and shoulder closures with durable high-profile Velcro
- Internal 5x8" and 8x10" front trauma plate pockets

COLORS

- Black
- Dark Navy
- Coyote
- OD Green



EMS

EMS CARRIER

- Accepts all GH concealable panels
- EMS specific design with high visibility
- Durable 500 denier Cordura Nylon outer material
- Moisture wicking inner lining for heat and moisture management
- Available in fixed pocket and MOLLE attachment design
- 6x8" oversized medical gear pockets—one top load and one drop down
- Reflective striping front and rear for extreme visibility
- Front and rear ID's included with 4x10" Velcro loop for attachment
- Easy and secure body-side panel access
- Ballistic suspension for proper panel alignment prevents sagging and curling
- Internal cummerbund for secure fit
- Fully adjustable side and shoulder closures with durable high-profile Velcro
- Internal 5x8" and 8x10" front trauma plate pockets



Available with MOLLE

COLORS

- Black
- Dark Navy

FIC

FIREARMS INSTRUCTOR CARRIER

- Accepts all GH concealable panels
- External tactical carrier with high visibility for range duty
- Durable 500 denier Cordura Nylon outer material
- Moisture wicking inner lining for heat and moisture management
- Front pockets include 6x6" utility, pen/flashlight, triple mag and universal radio
- Rear pockets include dual handcuff
- Hidden chest pocket with zipper closure
- Front and rear ID's included with 4x10" Velcro loop for attachment
- Dual mic tabs at shoulders
- Easy and secure body-side panel access
- Ballistic suspension for proper panel alignment prevents sagging and curling
- Internal cummerbund for secure fit
- Fully adjustable side and shoulder closures with durable high-profile Velcro
- Internal 5x8" and 8x10" front trauma plate pockets



COLORS

- Red

APB

APB CARRIER

- Accepts all GH concealable ballistic panels
- Front-opening professional design with MOLLE attachment
- Durable 1000 denier Cordura Nylon outer material
- Smooth Nylon inner lining for ease of closure
- Soft perimeter mesh surrounds arms, avoids clothing snags
- Dual chest pockets and triple mic tabs
- Grommets for badge and Velcro for nameplate attachment
- Rear ID included with 4x10" Velcro loop for attachment
- Ballistic suspension for proper panel alignment prevents sagging and curling
- Adjustable height cummerbund for secure fit
- Side and shoulder closures offer up to 5" adjustability with durable high-profile Velcro
- Dual 5x8"/8x10" front pocket accepts trauma plate
- 10x12" rear pocket accepts plate or hydration system



COLORS

- Black
- Dark Navy
- Coyote
- OD Green

QOC

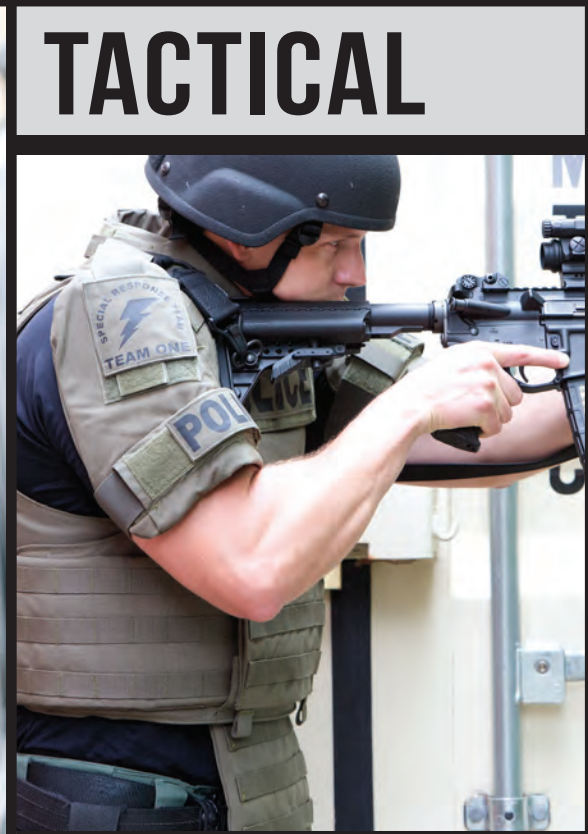
QUILTED OUTER CARRIER

- Accepts all GH concealable panels
- External quilted carrier for warmth and comfort
- 100% Nylon quilted outer material with soft polyester plush
- Moisture wicking inner lining for heat and moisture management
- Single chest pocket for quick access
- Two lower utility pockets for storage
- Dual mic tabs at shoulders
- Easy and secure body-side panel access
- Ballistic suspension for proper panel alignment prevents sagging and curling
- Internal cummerbund for secure fit
- Fully adjustable side and shoulder closures with durable high-profile Velcro
- Internal 5x8" and 8x10" front trauma plate pockets



COLORS

- Black
- Dark Navy
- Tan
- Brown



TACTICAL



ATLAS T3 | PLATE CARRIER
SHOWN WITHOUT CUMMERBUND



ATLAS T5 | EXTENDED COVERAGE
SHOWN WITH CUMMERBUND



ATLAS T7 | FULL COVERAGE
SHOWN WITH CUMMERBUND



ATLAS T7 | SHOWN WITH
ALL ACCESSORIES

STANDARD ON ALL ATLAS MODELS

- Available in all Level IIIA ballistic packages
- Construction utilizes dual 1000/500 denier Cordura nylon with urethane/water-repellent coating for durability
- Front and rear 3x9" Velcro loop for ID attachment
- Bottom-loading 10x12" front and rear plate pockets with plate-leveling system (Small accepts 8x10" plates)
- Spacer mesh on body side for ventilation and comfort
- Fully adjustable shoulders with communication pass-through
- MOLLE webbing attachment coverage for pouches and accessories
- Expandable rear drag strap for emergency extraction
- Ballistic suspension for proper panel alignment
- Quick Release System compatible

COLORS

- Black Ranger Green Coyote MultiCam

ATLAS ACCESSORIES



Collar & Throat Protector



Bicep Protectors



Cummerbund



Groin Protector



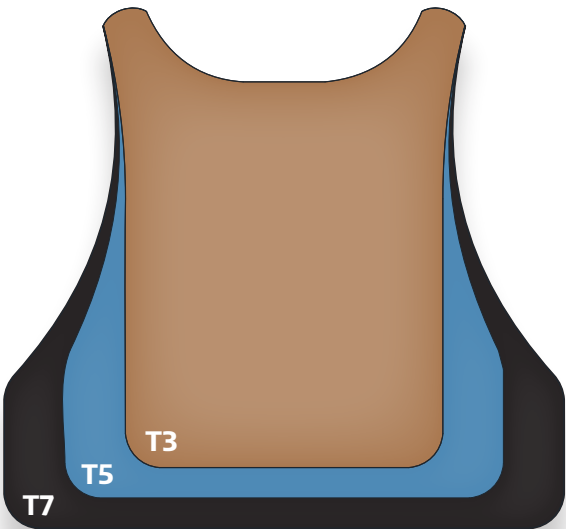
Lower Back Protector

ADDITIONAL ACCESSORIES

- Shoulder ballistic inserts
- 6x6" or 6x8" Side Plate Pockets
- Quick Release System

COVERAGE OPTIONS

The Atlas Tactical Series offers a holistic approach to tactical design. Three platforms offer varying areas of coverage without sacrificing consistency of appearance or interoperability of accessories.



QUAD | MODULAR VEST SYSTEM



- STANDARD**
- Available in all Level IIIA ballistic packages
 - Constructed from a combination of 1000 and 500 denier Cordura Nylon fabric with durable urethane and water-repellent coating
 - 4x10" Velcro front and rear ID patches (X-Small and Small offer 3x9" patch)
 - Top-loading pocket for 10x12" hard armor plates with internal plate-leveling system
 - Pocket for special threat plates front and back
 - Spacer mesh and additional padding on body side of vest for ventilation and cooling
 - Fully adjustable shoulders
 - Expansive MOLLE attachment coverage for pouches and accessories
 - Rear extraction strap
 - Front kangaroo pocket
 - Integrated communications/hydration channel
 - Body side elastic cummerbund to securely hold vest in proper alignment

- ACCESSORIES**
- Cummerbund
 - Collar Protector
 - Throat Protector
 - Groin Protector
 - Lower Back Protector
 - Bicep Protectors
 - Shoulder ballistic inserts
 - 6x6" or 6x8" Side Plate Pockets

COLORS

Black

Ranger Green

Coyote

MultiCam

INTL | INTERNATIONAL SWAT

The International SWAT offers an economic point of entry into the tactical world. With a durable, washable 500 denier Cordura nylon shell, the International SWAT is the perfect platform for adding your extra gear or load-bearing vest. A simple solution for your tactical needs. Available standard or with MOLLE optional.



Shown with MOLLE

- STANDARD**
- Available in all GH ballistic solutions
 - Durable 500 denier Cordura nylon
 - Adjustable at sides and shoulders
 - Front and rear 10x12" hard armor plate pockets

- ACCESSORIES**
- MOLLE attachment system
 - Accepts a wide variety of MOLLE pockets

COLORS

Black

Coyote

OD Green

ASK | ACTIVE SHOOTER KIT



The Active Shooter Kit [ASK] offers a compact solution for active shooter preparation and response. Includes a MOLLE Plate Harness, one or two Level IV 10x12" rifle plates and carry bag. The ASK can be easily worn over concealable armor for increased protection or stand alone for high-threat scenarios.



HARD ARMOR

PLATES



Available in 5x8", 6x6", 6x8", 7x9", 8x10" and 10x12" in Full Cut and Shooter's Cut

BALLISTIC HELMETS



PASGT
Level IIIA



ACH Standard-Cut
Level IIIA



ACH Mid-Cut
Level IIIA



ACH High-Cut
Level IIIA

RIOT HELMETS



Riot/Crash Rated



Shown with Beak Seal
and Steel Face Guard

BALLISTIC SHIELDS



No Viewport
Level IIIA and III



With Viewport
Level IIIA and III

RIOT SHIELDS



Riot Shield
Rectangular



Riot Shield
Circular

NIJ STANDARD—0101.06 | SOFT ARMOR REFERENCE CHART

SHOT AND PANEL VARIANCE		
	NIJ 0101.04	NIJ 0101.06
PANEL SAMPLES REQUIRED	6 (IIA-III A)	28 (IIA-III A) 22 lg & 6 sm
PANEL SIZE	One size req.	Two template sizes req.
SHOTS/PANEL	6	6
SHOT SPACING	2" min	Shots 1-3, 2" min, new edge distance; Shots 4-6, 3.94" circle max spread
ANGLES	30 deg. (shot 4 & 5)	30 & 45 deg. (shot 4 OR 5)
EDGE	3" minimum	2" minimum 9mm & .357 SIG
WET TESTING	6 min. spray	30 min. full immersion
BALLISTIC LIMIT TESTING	1st round only 9mm (24 shots)	1st & 2nd rounds (per NIJ type) (120 shots ea.)
BACKFACE REQUIREMENT	2 meas.<44mm	3 meas.<44mm 2nd meas. for all>40mm One outlier permitted
FAILURE MECHANISM	Complete penetration (bullet or fragment)	Perforation of the armor by any portion of the projectile

PROJECTILE AND VELOCITY VARIANCE			
NIJ 0101.04		NIJ 0101.06 (CHANGE)	
IIA	Ref. Velocity	IIA	Test Velocity
9mm .40 Cal.	1120 ±30 1055 ±30	9mm .40 Cal.	1225 ±30 (+105) 1155 ±30 (+100)
II		II	
9mm .357 Mag.	1205 ±30 1430 ±30	9mm .357 Mag.	1305 ±30 (+100) 1430 ±30 (NC)
IIIA		IIIA	
9mm .44 Mag.	1430 ±30 1430 ±30	.357 SIG .44 Mag.	1470 ±30 (Round) 1430 ±30 (NC)

ENVIRONMENTAL CONDITIONING

- Rotary tumbler at 149°F and 80% relative humidity
- One batch of 8 panels (6 lg and 2 sm)
- Cycle for 72,000 (±1500) cycles at 5 (±1) RPM=>10 days
- Tested against both threats at reduced velocity

Type	Round	Conditioned Armor Test Velocity (ft/s)
IIA	9mm (-60 ft/s) .40 Cal. (-90 ft/s)	1165 1065
II	9mm (-90 ft/s) .357 Mag. (-90 ft/s)	1245 1340
IIIA	.357 SIG (-60 ft/s) .44 Mag. (-90 ft/s)	1410 1340



READY IS THE ONLY OPTION.

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