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Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort,
- Ergonomically designed carrier offers excellent maneuverability.
- Broad double Velcro system provides enhanced carrying capability and personalized fit.
- Side enclosure system with twin Velcro straps in front offers ${\it additional\ adjustibility.}$
- Cool mesh fabric inside for better ventilation.
- Front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.28
M	38-40	0.30
L	42-44	0,32
XL	46-48	0.34
XXL	50-52	0.36
XXXL	54-56	0.38
XXXXL	58-60	0.40

- Navy
- White
- OD green
- Ranger green











Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability. Broad double Velcro system over shoulder for enhanced carrying
- capability and personized fit. • Side enclosure system with twin straps with Velcro and elastic
- provide extra adjustibility.

 Cool mesh fabric inside for better ventilation.
- Front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.28
M	38-40	0.30
L	42-44	0.32
XL	46-48	0.34
XXL	50-52	0.36
XXXL	54-56	0.38
XXXXL	58-60	0.40

- Navy • White
- OD green
- Ranger green



Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Broad double Velcro system provides enhanced carrying capability and personalized fit.
- Side enclosure system with front Velcro offers additional adjustibility.
- Extensive side ballistic overlapping affords extra coverage.
- Front and back pouches for accommodating rigid body armor plates for higher level threats.
- Front adjustability keeps the optional front rigid body armor plate securely in place.
- Cool mesh fabric inside for better ventilation.
- Front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.Rigid body armor plate.
- Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.28
M	38-40	0.30
L	42-44	0.32
XL	46-48	0.34
XXL	50-52	0.36
XXXL	54-56	0.38
XXXXL	58-60	0.40

- Navy • OD green
- Ranger green
- Desert camo
- Digital camo
- Woodland camo













Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Broad double Velcro system over shoulder for enhanced carrying capability and personized fit.
- Side enclosure system with Velcro and elastic provides extra adjustibility.
- Integrated front and back pouches for accommodating rigid body armor
- Cool mesh fabric inside for better ventilation.
- Front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.Rigid body armor plate.
- Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.28
M	38-40	0.30
L	42-44	0.32
XL	46-48	0.34
XXL	50-52	0.36
XXXL	54-56	0.38
XXXXL	58-60	0.40

Colors

- Black Navy
- OD green
- Navy camo
- Digital camo Woodland camo



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Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Broad double Velcro system provides enhanced carrying capability and personalized fit.
- Side enclosure system with Velcro offers additional adjustibility.
- Front and back pouches for accommodating rigid body armor plates
- High visibility prints on the flaps of front and back body armor pouches.
- Cool mesh fabric inside for better ventilation.
- Front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.
- Rigid body armor plate
- Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.30
M	38-40	0.32
L	42-44	0.34
XL	46-48	0.36
XXL	50-52	0.38
XXXL	54-56	0.40
XXXXL	58-60	0.42

- Navy
- OD green
- Navy camo
- Digital camo
- Woodland camo















Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Broad Velcro system with additional strap over shoulder for enhanced carrying capability and personized fit.
- Extensive side enclosure system with Velcro and elastic provide extra adjustibility.
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threat.
- Attaching Velcro piles for fabric badges on the flaps of front and back body armor plate pouches.
- Cool mesh fabric inside for better ventilation.
- Front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.Rigid body armor plate.
- Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.28
M	38-40	0.30
L	42-44	0.32
XL	46-48	0.34
XXL	50-52	0.36
XXXL	54-56	0.38
XXXXL	58-60	0.40

- Black
- Navy
- OD green Ranger green
- Desert camo
- Navy camo
- Digital camo

Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Broad double Velcro system provides enhanced carrying capability and personalized fit.
- Side enclosure system with Velcro and elastic offers additional adjustibility.
- armor plates for higher level threats.
- High visibility prints on the flaps of front and back body armor pouches.
- Cool mesh fabric inside for better ventilation.
- Front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.
- Rigid body armor plate.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.28
M	38-40	0.30
L	42-44	0.32
XL	46-48	0.34
XXL	50-52	0.36
XXXL	54-56	0.38
XXXXL	58-60	0.40

- Navy
- OD greer

- Digital camo













Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Broad Velcro system over shoulder for enhanced carrying capability and personized fit.
- Rapid release mechanism integrated for instant doffing.
- Extensive side enclosure system with Velcro and elastic provides extra adjustibility.
- Integrated front trauma plate pouch.
- Front and back tuck-in tails keep the vest securely in place.
- Cool mesh fabric inside for better ventilation.
- Front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.
 Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.28
M	38-40	0.30
L	42-44	0.32
XL	46-48	0.34
XXL	50-52	0.36
XXXL	54-56	0.38
XXXXL	58-60	0.40

- Black
- Navy • White
- OD green
- Ranger green





Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Design in stylish waistcoat for business elites and high-rank government
- Side enclosure system with Velcro offers additional adjustibility.
- Cool mesh fabric inside for better ventilation.
- Front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mr
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.38
M	38-40	0.40
L	42-44	0.42
XL	46-48	0.44
XXL	50-52	0.46
XXXL	54-56	0.48
XXXXL	58-60	0.50

- Navy • White
- OD green
- Ranger green





Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Improved, helmet-friendly collar.
- Broad padded shoulders with Velcro and rapid release mechanism provides additional protection and personized fit.
- Front enclosure system offers instant donning and doffing with
- Side twin straps with Velcro and elastic offers extra adjustibility.
- Cool mesh fabric inside for better ventilation.
- Neck, shoulder, front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.Rigid body armor plate.Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.56
M	38-40	0.60
L	42-44	0.64
XL	46-48	0.68
XXL	50-52	0.72
XXXL	54-56	0.76
XXXXL	58-60	0.80

- Black
- OD green
- Ranger green
- Desert camo
- Navy camo
- Digital camo



















Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Improved, helmet-friendly collar.
- Broad padded shoulders with Velcro and rapid release mechanism provides additional protection and personized fit.
- No-skid suede rifle butt retention surface available on the left shoulder.
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threat.
- Extensive side enclosure system with Velcro and elastic provides extra adjustibility.
- Twin mag holder on each side integrated.
- Cool mesh fabric inside for better ventilation
- Throat, neck, shoulder, front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.
- Rigid body armor plate.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.46
M	38-40	0.48
L	42-44	0.50
XL	46-48	0.52
XXL	50-52	0.54
XXXL	54-56	0.56
XXXXL	58-60	0.58

- Navy
- OD green
- Desert camo Navy camo
- Digital camo
- Woodland camo





Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Improved, helmet-friendly collar.
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threat.
- Side enclosure system with front adjustibility and overlapping for
- Twin mag pouches integrated.
- Cool mesh fabric inside for better ventilation.
- Neck, front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.Rigid body armor plate.Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.38
M	38-40	0.40
L	42-44	0.42
XL	46-48	0.44
XXL	50-52	0.46
XXXL	54-56	0.48
XXXXL	58-60	0.50

- Navy
- OD green
- Ranger greer
- Desert camo















Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Built-in flotation system allows personnel weighing up to 240lb full
- Module design, helmet-friendly collar.
- Broad padded shoulders with Velcro provides additional protection and personized fit.
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threat.
- Extensive side enclosure system with Velcro provides extra adjustibility and ballistic coverage.
- Extra buckle system with elastic keeps the jacket securely in place
- Small utility pouch available in front.
- Cool mesh fabric inside for better ventilation.
- Neck, shoulder, front, back and side protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.
- Rigid body armor plate.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mn
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.47
M	38-40	0.50
L	42-44	0.53
XL	46-48	0.56
XXL	50-52	0.59
XXXL	54-56	0.62
XXXXL	58-60	0.65

- Navy
- OD green
- Desert camo
- Navy camo
- Digital camo



- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Adjustable straps with Velcro and rapid release mechanism provides personized fit.
- Built-in rapid mechanism for instant doffing.
- Attaching pile available for fabric badge.
 Full MOLLE compatible carrying system integrated.
- Zip-off back panel with secure button in front for instant doffing.
- Hidden adjusting mechanism available in back keeps the jacket securely in place.
- Cool mesh fabric inside for better ventilation.
- Front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.
 Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.28
M	38-40	0.30
L	42-44	0.32
XL	46-48	0.34
XXL	50-52	0.36
XXXL	54-56	0.38
XXXXL	58-60	0.40

- Navy
- OD green
- Ranger greer • Desert camo
- Digital camo
- Woodland camo



















Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Module design, helmet-friendly collar.
- Broad padded shoulders with Velcro and rapid release mechanism provides additional protection and personized fit.
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threat.
- Extensive side enclosure system with Velcro provides extra adjustibility.
- MOLLE compatible carrying system integrated.
- Cool mesh fabric inside for better ventilation.
- Throat, neck, shoulder, front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.
- Rigid body armor plate.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mr
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.42
M	38-40	0.46
L	42-44	0.50
XL	46-48	0.54
XXL	50-52	0.58
XXXL	54-56	0.62
XXXXL	58-60	0.66

- Navy
- OD green
- Desert camo
- Navy camo
- Digital camo
- Woodland camo



Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Improved, module design, helmet-friendly collar.
- Broad padded shoulders with overlapping provides extra adjustibility and personized fit.
- Build-in rapid release mechanism for instant doffing.
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threats.
- Side enclosure system with extensive overlapping offers extra adjustibility.
- Additional strap with Velcro and elastic in front keeps the jacket
- Detachable, broad groin protector for extensive coverage.
- Cool mesh fabric inside for better ventilation.
 Neck, shoulder, front, back and groin protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.Rigid body armor plate.
- Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm
IIA	3.9	8.7
II.	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.56
M	38-40	0.60
L	42-44	0.64
XL	46-48	0.68
XXL	50-52	0.72
XXXL	54-56	0.76
XXXXL	58-60	0.80

- Navy
- OD green
- Ranger green • Desert camo
- Navy camo
- Digital camo
- Woodland camo







Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Module design, helmet-friendly collar with Velcro.
- Broad padded shoulders with Velcro provides additional protection and personized fit.
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threat.
- Extensive side enclosure system with Velcro provides extra adjustibility and ballistic coverage.
- Extra cummerbund keeps the jacket securely in place.
- Removable, detachable groin protector offers extensive of
- Cool mesh fabric inside for better ventilation.
- Throat, neck, shoulder, front, back, side and groin protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.
- Rigid body armor plate.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.50
M	38-40	0.53
L	42-44	0.55
XL	46-48	0.57
XXL	50-52	0.60
XXXL	54-56	0.63
XXXXL	58-60	0.66

- Navy • OD green
- Desert camo
- Navy camo Digital camo
- Woodland camo



Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Module design, helmet-friendly collar with Velcro.
- Broad padded shoulders with Velcro provides additional protection and personized fit.
- Rapid release mechanism available for instant doffing.
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threat.
- Extensive side enclosure system with Velcro provides extra adjustibility.
- Large utility bag in front and twin mag-holder on side integrated.
- Retractable, detachable groin protector offers extensive coverage
- Cool mesh fabric inside for better ventilation.
- Neck, shoulder, front, back and groin protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.Rigid body armor plate.
- Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II.	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.50
M	38-40	0.55
L	42-44	0.60
XL	46-48	0.65
XXL	50-52	0.70
XXXL	54-56	0.75
XXXXL	58-60	0.80

- Navy
- OD green Ranger green
- Desert camo
- Navy camo
- Digital camo













Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Module design, helmet-friendly collar with secure strap.
- Broad padded shoulders with Velcro provides additional protection and personized fit.
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threat.
- Extensive side enclosure system with Velcro provides extra adjustibility.
- Twin large utility pouches in front integrated.
- Broad, detachable groin protector offers extensive coverage
- Cool mesh fabric inside for better ventilation.
- Neck, shoulder, front, back and groin protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture

Options

- Polyester vest carrying bag.
- Rigid body armor plate.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.50
M	38-40	0.55
L	42-44	0.60
XL	46-48	0.65
XXL	50-52	0.70
XXXL	54-56	0.75
XXXXL	58-60	0.80

- Navy
- OD green
- Desert camo
- Navy camo
- Digital camo Woodland camo



Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Build-in flotation system capable of allowing personnel weighing up to 240lb full flotation.
- Improved, module design, helmet-friendly collar.
- Front enclosure system offers instant donning and doffing and extra
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threat.
- Full MOLLE compatible carrying system integrated.
- Side buckle system provides extra adjustibility.
- Broad, detachable groin protector offers extensive coverage
- Cool mesh fabric inside for better ventilation.
- Throat, neck, shoulder, front, back and groin protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.
- Rigid hard body plate.
- Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.56
M	38-40	0.60
L	42-44	0.64
XL	46-48	0.68
XXL	50-52	0.72
XXXL	54-56	0.76
XXXXL	58-60	0.80

- Navy
- OD green Ranger green
- Desert camo
- Navy camo







Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Module design, helmet-friendly collar with Velcro.
- Broad, module design, bicep protector integrated.
- Front enclosure system offers instant donning and doffing with
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threat.
- Side buckle system provides extra adjustibility.
- Broad, detachable groin protector offers extensive coverage.
- Full MOLLE compatible carrying system integrated.
- Cool mesh fabric inside for better ventilation.
- Throat, neck, shoulder, bicep, front, back and groin protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carring bag.
- Rigid body armor plate.
 Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm
IIA	3.9	8.7
II	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.56
M	38-40	0.60
L	42-44	0.64
XL	46-48	0.68
XXL	50-52	0.72
XXXL	54-56	0.76
XXXXL	58-60	0.80

- Navy
- OD green
- Desert camo Navy camo
- Digital camo
- Woodland camo



Features & Benefits

- Ultra lightweight and breathable carrier provides absolute comfort.
- Ergonomically designed carrier offers excellent maneuverability.
- Broad double Velcro system for enhanced carrying capability and
- Integrated front and back pouches for accommodating rigid body armor plates for higher level threat.
- Cool mesh fabric inside for better ventilation.
 Front and back protection.

Materials

- Ballistic inserts: UHMWPE fabric.
- Stab-resistant material: metal.
 Outer carrier: cotton, polyester or cotton and polyester mixture.

Options

- Polyester vest carrying bag.Rigid body armor plate.Bullet-proof helmet.

Ballistic Capabilities

NIJ Threat Level	Areal Density (kg)	Thickness (mm)
IIA	3.9	8.7
II .	4.5	9.7
IIIA	6.0	12.3

Sizes & Ballistic Coverage

Size	Chest (inches)	Ballistic Coverage (sqm)
S	34-36	0.28
M	38-40	0.30
L	42-44	0.32
XL	46-48	0.34
XXL	50-52	0.36
XXXL	54-56	0.38
XXXXL	58-60	0.40

Colors

- OD green





Digital camo

Woodland camo











Features & Benefits

- Light-weight operator cut and single-curve / double curve design for enhanced mobility and comfort.
- Multi-hit protection and blunt trauma reduction.
- Plates are interchangeable from front to back.
- Black cloth wrapping.

Materials

- Strike face: Alumina.
- Plate base: PE.
- Wrap: polyester.

Options

Bullet-proof vest / jacket.

NIJ Threat Level	Measure (cm)	Unit Weight (kg)
IV, stand alone.	30x25x2.0	2.8
IV, in conjunction with IIIA armor vest.	30x25x1.7	2.5
III, stand alone.	30x25x1.7	2.3
III, in conjunction with IIA armor vest.	30x25x1.5	2.1
III, in conjunction with IIIA armor vest.	30x25x1.5	2.0





Features & Benefits

- Light-weight operator cut and single-curve / double curve design for enhanced mobility and comfort.
- Multi-hit protection and blunt trauma reduction.
- Plates are interchangeable from front to back.
- Black cloth wrapping.

Materials

- Strike face: PE.
- Plate base: PE.
- Wrap: polyester.

Options

Bullet-proof vest / jacket.

NIJ Threat Level	Measure (cm)	Unit Weight (kg)
III	30x25x2.2	1.5
III plus AK47 MSC	30x25x2.5	1.8
III plus M16 SS109	30x25x2.6	1.9









Features & Benefits

- Light-weight operator cut and single-curve / double curve design for enhanced mobility and comfort.
- Multi-hit protection and blunt trauma reduction.
- Plates are interchangeable from front to back.
- Black cloth wrapping.

Materials

- Strike face: PE.
- Plate base: PE.
- Wrap: polyester.

Options

Bullet-proof vest / jacket.

NIJ Threat Level	Measure (cm)	Unit Weight (kg)
III	30x25x2.0	1.3
III plus AK47 MSC	30x25x2.4	1.5
III plus M16 SS109	30x25x2 5	17





Features & Benefits

- Light-weight operator cut and single-curve / double curve design for enhanced mobility and comfort.
- Multi-hit protection and blunt trauma reduction.
- Plates are interchangeable from front to back.
- Black cloth wrapping.

Materials

- Strike face: Silicon Carbide.
- Plate base: PE.
- Wrap: polyester.

Options

Bullet-proof vest / jacket.

NIJ Threat Level	Measure (cm)	Unit Weight (kg)
IV, stand alone.	30x25x2.0	2.3
IV, in conjunction with IIIA armor vest.	30x25x1.7	2.1
III, stand alone.	30x25x1.7	2.0
III, in conjunction with IIIA armor vest.	30x25x1.5	1.7

















RYK93-101

Features & Benefits

- Ballistic performance to NIJ 0106.01 IIIA
- Fragmentation protection STANAG 2920, 17 gr V50 2150 ft/
- Improved head stability with 4 point adjustable harness
- Impact trauma protection.
- Lightweight and Durable
- Used temperature: -20~+55 degree.
- High performance/excellent comfor
- Simple rugged design.
- 5 year warranty on the hallistic performance of the helmet
- The internal harness is warranted for a period of 3 years

Materials

- Helmet: P
- Harnoss: noonrono

Options

- Halmat clothes
- · Bullet-proof vest / jacket

Protection Level

- V50 650m
- NIJ0106.01 LEVEL IIIA

Unit Weight

• 1.45kg

Sizes

Helmet Size	Width	Head Size (cm)	Length
			23cm
Medium			
	23cm		25cm

- Black
- Navy
- Sandy
- reen



Features & Benefits

High-performance UHMWPE fabric, short for PE fabric, is the ideal choice for ballistic material for bullet-proof product. The fabric is made by aligning and bonding PE fibers in sheets, which are them layered at various angles to give resulting composite material strength in all directions. If compared with other bullet-proof vests of same prevention level, the weight of PE bullet-proof vest is only one-third of the steel bullet-proof vest and a half of the composite bullet-proof vest and it is a half kg / 1.1 lb lighter than aramid fiber bullet-proof vest.

Model	Width	Areal Density	Protection Capability	Application
			3.9kg/sqm NIJ Level IIA	
RYW91-101	1.2 - 1.6	160	4.5kg/sqm NIJ Level II Bul	
K10091-101	1.2 - 1.0	100	5.3kg/sqm NIJ Level IIIA (9mm)	
			6kg/sqm NIJ Level IIIA(.44mag)	
			3.2kg/sqm NIJ Level IIA	
RYW91-102 1.2	1.2 - 1.6	1.6 135	4.0kg/sqm NIJ Level II	Bulletproof Products
			4.8kg/sqm NIJ Level IIIA (9mm & .44mag)	



Features & Benefits

The UHMWPE fiber, short for PE fiber, has extreme long chains, with molecular weight numbering in millions. The long chain gives its high specific strength, high elastic modulus, low specific gravity, low shrinkage, perfect fastness to chemical agent, perfect weatherability, high energy absorption, X-ray transparent, low electric conductivity and seawater corrosion resistance. The fiber has widely used in personal armor, vehicle armor, cut-resistant gloves, bow strings, climbing equipment, fishing lines, spear lines for spearguns, high-performance sails, suspension lines on sport parachutes and paragliders, rigging in yachting, kites, and kites lines for kites sports.

Model	Specifi	ication	Breaking Strength	Modulus	Filament /	Elongation	Typical Application	
Wiodei	Denier	Detex	g/d	g/d	Tow	Rate	Typical Application	
RYX90-101	60	66	≥40	≥1200	40	≈4		
RYX90-102	120	132	≥40	≥1200	80	≈4	Ultra fine and strongest fishing lines, kite lines, parapenting lines, sewing threads	
RYX90-103	150	165	≥40	≥1200	100	≈4	and bow-strings.	
RYX90-104	200	220	≥40	≥1200	100	≈4		
RYX90-105	250	275	≥40	≥1200	125	≈4		
RYX90-106	300	330	≥35	≥1100	150	≈4	Anti-stab gloves, mixed with glass fiber,	
RYX90-107	400	440	≥35	≥1100	160	≈4	nylon and other fibers.	
RYX90-108	600	660	≥35	≥1100	240	≈4		
RYX90-109	1000	1100	≥32	≥1000	400	≈4	Offshore positioning ropes, towing ropes, fishing ropes, yachting ropes, safety slings	
RYX90-110	1600	1760	≥30	≥800	400	≈4	and arborist lines.	

APPENDIXES

APPENDIX C NIJ 0101.06 ACCEPTABLE BULLETS

APPENDIX D BALLISTIC STANDARDS

APPENDIX E STAB-RESISTANT STANDARDS

APPENDIX F BULLET-PROOF VEST TEST REPORT (NIJ IIIA)

APPENDIX C - NIJ 0101.06 ACCEPTABLE BULLETS

For the purpose of inter-laboratory consistency, for threat levels IIA, II, and IIIA, only those model numbers specified in the following table shall be acceptable. For threat levels III and IV, bullets from alternate manufacturers may be used if they mee the specified weight, geometry, jacket, and core material requirement.

All jacket materials shall be of copper or copper alloy (approximately 90 % copper and 10 % zinc), with the exception of Type III, which shall be steel.

Acceptable bullets

Threat Level	Caliber	Bullet Weight	BULLE _T DESCRIPTION	Nominal Bullet Diameter	Acceptable Manufacturer	Bullet Model Number
IIA	9 mm Luger	8.0 g (124 gr)	FMJ RN	9 mm (.355 in)	Remington	23558
	.40 S&W	11.7 g (180 gr)	FMJ	10 mm (.400 in)	Remington	23686
11	9 mm Luger	8.0 g (124 gr)	FMJ RN	9 mm (.355 in)	Remington	23558
II	.357 Mag	10.2 g (158 gr)	JSP	9.1 mm (.357 in)	Remington	22847
	.357 SIG	8.1 g (125 gr)	TMJ	9.0 mm (.355 in)	Speer	4362
IIIA	.44 Mag	15.6 g (240 gr)	JHP	10.9 mm (.429 in)	Speer	4453 or 4736**
III	7.62 mm NATO	9.6 g (147 gr)	FMJ – SPIRE PT BT*	7.62 mm (.308 in)	***	***
IV	30.06 M2 AP	10.8 g (166 gr)	FMJ – SPIRE PT AP	7.62 mm (.308 in)	May be obtained f Military M2 AP a	

Verify that jacket is ferrous (use of a magnet is acceptable).

Note: These two models are the same bullet but sold in different quantities.

^{**} Bullet may be obtained from U.S. military/NATO M80 ammunition, or from other manufacturers meeting the specifications for the projectile in the M80 cartridge.

APPENDIX D - BALLISTIC STANDARDS

National Institute of Justice (NIJ) Standard 0101.06

Armor Type	Test Round	Test Bullet	Bullet Weight/Grain	Reference Velocity	Max Backface Deformation		
IIA	1	9 mm FMJ RN	8.0 g/124 gr.	1225±30 ft/s (373±10 m/s)	1.73 in (44 mm)		
IIA	2	40 S&W FMJ	11.7 g/180 gr.	1155±30 ft/s (352±10 m/s)	1.73 in (44 mm)		
П	1	9 mm FMJ RN	8.0 g/124 gr.	1305±30 ft/s (398±10 m/s)	1.73 in (44 mm)		
"	2	.357 Mag JSP	10.2 g/158 gr.	1430±30 ft/s (436±10 m/s)	1.73 in (44 mm)		
IIIA	1	.357 SIG FMJ FN	8.1 g/125 gr.	1470±30 ft/s (448±10 m/s)	1.73 in (44 mm)		
IIIA	2	44 Mag SJHP	15.6 g/240 gr.	1430±30 ft/s (436±10 m/s)	1.73 in (44 mm)		
Levels for Ha	Levels for Hard Shields Only:						
III	1	7.62 mm NATO FMJ	9.6 g/148 gr.	2780±30 ft/s (847±10 m/s)	1.73 in (44 mm)		
IV	1	.30 Caliber M2 AP	10.8 g/166 gr.	2880±30 ft/s (878±10 m/s)	1.73 in (44 mm)		

Abbreviations:

AP - Armor Piercing

FMJ - Full Metal Jacket

JSP - Jacketed Soft Point

LRHV - Long Rifle High Velocity

RN - Round Nose

SJHP - Semi-Jacketed Hollow Point

SWC - Semi-Wadcutter

National Institute of Justice (NIJ) Standard 0101.04

Armor Type	Test Round	Test Bullet	Bullet Weight/Grain	Reference Velocity	Max Backface Deformation	
	1	.22 Caliber LR LRN	2.6 g/40 gr.	1080±30 ft/s (329±10 m/s)	1.73 in (44 mm)	
'	2	.380 ACP FMJ RN	6.2 g/95 gr.	1055±30 ft/s (322±10 m/s)	1.73 in (44 mm)	
IIA	1	9 mm FMJ RN	8.0 g/124 gr.	1120±30 ft/s (341±10 m/s)	1.73 in (44 mm)	
li A	2	40 S&W FMJ	11.7 g/180 gr.	1055±30 ft/s (322±10 m/s)	1.73 in (44 mm)	
п	1	9 mm FMJ RN	8.0 g/124 gr.	1205±30 ft/s (367±10 m/s)	1.73 in (44 mm)	
"	2	.357 Mag JSP	10.2 g/158 gr.	1430±30 ft/s (436±10 m/s)	1.73 in (44 mm)	
IIIA	1	9 mm FMJ RN	8.2 g/124 gr.	1430±30 ft/s (436±10 m/s)	1.73 in (44 mm)	
IIIA	2	44 Mag SJHP	15.6 g/240 gr.	1430±30 ft/s (436±10 m/s)	1.73 in (44 mm)	
Levels for Hard Shields Only:						
III	1	7.62 mm NATO FMJ	9.6 g/148 gr.	2780±30 ft/s (847±10 m/s)	1.73 in (44 mm)	
IV	1	.30 Caliber M2 AP	10.8 g/166 gr.	2880±30 ft/s (878±10 m/s)	1.73 in (44 mm)	

Abbreviations:

AP - Armor Piercing

FMJ - Full Metal Jacket

JSP - Jacketed Soft Point

LRHV - Long Rifle High Velocity

RN - Round Nose

SJHP - Semi-Jacketed Hollow Point

SWC - Semi-Wadcutter

Russia-GOST R 50744-95 Ballistic Standard

Class	Test Bullet	Bullet Weight	Bullet Velocity	Max. Backface Deformation	
	9 mm Makarov PM	5.9 g	950-1035 ft/s	0.67 in (17 mm)	
4	9 IIIII Wakaiov Fivi	5.9 g	(290-315 m/s)	0.07 1 (17 11 11)	
'	7.62 Nagan	6.8 g	870-935 ft/s	0.67 in (17 mm)	
	7.02 Nagari	0.0 g	(265-285 m/s)	0.07 III (17 IIIIII)	
	5.45 PSM	2.5 g	1015-1065 ft/s	0.67 in (17 mm)	
2	3.43 T OW	2.5 g	(310-325 m/s)	0.07 III (17 11111)	
2	7.62 Tokarev TT	5.5 g	1360-1460 ft/s	0.67 in (17 mm)	
	7.02 TORATOV 11	0.0 g	(415-445 m/s)	0.07 111 (17 11111)	
2a	18.5 12" Hunter	35.0 g	1280-1345 ft/s	0.67 in (17 mm)	
Zu			(390-410 m/s)	0.07 111 (17 11111)	
	5.45 AK 74	3.4 g	2855-2920 ft/s	0.67 in (17 mm)	
3			(870-890 m/s)	0.07 III (17 11111)	
Ü	7.62 AKM	7.9 g	2330-2380 ft/s	0.67 in (17 mm)	
	7.02 7 ((())	7.0 g	(710-725 m/s)	0.07 111 (17 11111)	
	5.45 AK 74	3.4 g	2855-2920 ft/s	0.67 in (17 mm)	
4	0.40711774	о. т у	(870-890 m/s)	0.07 III (17 11111)	
4	7.62 SVD	9.6 g	2690-2740 ft/s	0.67 in (17 mm)	
	7.02 0 0 0	5.0 g	(825-835 m/s)	0.07 111 (17 111111)	
5	7.62 AKM	7.9 g	2330-2380 ft/s (710-725 m/s)	0.67 in (17 mm)	
6	7.62 SVD	9.6 g	2690-2740 ft/s (820-835 m/s)	0.67 in (17 mm)	

Russian Plastilina Backing

page 1 of 3

Performance Level	Test Ammunition	Bullet Weight/Grain	Reference Velocity	Max. Backface Deformation
HG1/A	9mm FMJ, Dynamit Nobel DM11A1B2	8.0 g/124 gr.	1180±30 ft/s (360±10 m/s)	1.73 in (44 mm)
	.357" Remington, SPFN R357M3	10.2 g/158 gr.	1265±30 ft/s (365±10 m/s)	1.73 in (44 mm)
HG1	9mm FMJ, Dynamit Nobel DM11A1B2	8.0 g/124 gr.	1180±30 ft/s (360±10 m/s)	0.98 in (25 mm)
HGT	.357" Remington, SPFN R357M3	10.2 g/158 gr.	1265±30 ft/s (365±10 m/s)	0.98 in (25 mm)
HG2	Dynamit Nobel	8.0 g/124 gr.	1395±30 ft/s (425±10 m/s)	0.98 in (25 mm)
1102	.357" Remington, SPFN R357M3	10.2 g/158 gr.	1475±30 ft/s (450±10 m/s)	0.98 in (25 mm)
SG1	12 Gauge True Cylinder, RLS Winchester 1oz. 12RS15 or 12RSE	28.4 g/437 gr.	1425±80 ft/s (435±25 m/s)	0.98 in (25 mm)
RF1	7.62 mm NATO Ball, Royal Ordnance L2A2	9.3 g/144 gr.	2725±50 ft/s (830±15 m/s)	0.98 in (25 mm)

Abbreviations:

FMJ - Full Metal Jacket

RLS - Rifled Lead Slug

SPFN - Soft Point Flat Nose

Schutzklassen - German Police Body Armor (December 2003)

Bullet Resistance Vests						
Protection Class	Calibre and Projectile Type	Bullet Weight	Bullet Velocity	Trauma		
SK L	9 mm x 19 FMSJ DM 41SR Ruag	8.0 g	1200±15 ft/s (365±5 m/s)	0.71-0.87 in (18-22 mm)		
	9 mm x 19 FMSJ DM 41SR Ruag	8.0 g	1345±30 ft/s (410±10 m/s)	0.71-0.87 in (18-22 mm); 1.42-1.73 in (36-44 mm) for Contact Shot		
SK 1	9 mm x 19 QD-PEP MEN	5.9 g	1560±30 ft/s (475±10 m/s)	0.71-0.87 in (18-22 mm); 1.42-1.73 in (36-44 mm) for Contact Shot		
	9 mm x 19 Action 4 Ruag	6.1 g	1510±30 ft/s (460±10 m/s)	0.71-0.87 in (18-22 mm); 1.42-1.73 in (36-44 mm) for Contact Shot		
SK 2	.357 Mag BFN Dynamit Nobel	7.1 g	1905±30 ft/s (580±10 m/s)	0.71-0.87 in (18-22 mm)		
SK 3	5.56 mm x 45 FMJ + P SS109 FNB	4.0 g	3020±30 ft/s (920±10 m/s)	0.71-0.87 in (18-22 mm)		
3K 3	7.62 mm x 51 FMJ DM111 MEN	9.55 g	2725±30 ft/s (830±10 m/s)	0.71-0.87 in (18-22 mm)		
SK 4	7.62 mm 51 FMJ AP P80 FNB	9.75 g	2690±30 ft/s (820±10 m/s)	0.71-0.87 in (18-22 mm)		
Bullet Resistant Vests with Stab Protection						
Protection Class	Energy Level	Maximum Blade Penetration	Maximum Backface & Penetration			
ST	25 joules	0.79 in (20 mm)	1.50-1.6	1.50-1.65 in (38-42 mm)		

Single Mass System, Plastilina Backing

Abbreviations:

AP - Armor Piercing

BFN - Brass Flat Nose

FMJ - Full Metal Jacketed

FMSJ - Full Metal Steel Jacketed

P – Penetrator

Performance Level	Test Ammunition	Bullet Weight/Grain	Reference Velocity	Max. Backface Deformation
1	9 mm x 19 FMSJ	8.0 g/124 gr.	1180±30 ft/s (360±10 m/s)	1.73 in (44 mm)
2	9 mm x 19 FMSJ	8.0 g/124 gr.	1360±30 ft/s (415±10 m/s)	1.73 in (44 mm)
3	9 mm x 19 FMSJ	8.0 g/124 gr.	1395±30 ft/s (425±10 m/s)	1.73 in (44 mm)
3	.357 Mag FMJ	10.2 g/158 gr.	1410±30 ft/s (430±10 m/s)	1.73 in (44 mm)
4	5.56 mm x 45 M193	3.6 g/55 gr.	3180±50 ft/s (970±15 m/s)	1.73 in (44 mm)
4	7.62 mm x 51 NATO Ball	9.4 g/146 gr.	2725±50 ft/s (830±15 m/s)	1.73 in (44 mm)
5	7.62 mm 51 AP Hardened Steel Core	9.7 g/150 gr.	2690±50 ft/s (820±15 m/s)	1.73 in (44 mm)
S	12/70 gauge Brenneke Solid Lead Slug	32 g/478 gr.	1395±80 ft/s (425±25 m/s)	1.73 in (44 mm)

Single Mass System, Plastilina Backing

Abbreviations:

AP - Armor Piercing

FMJ - Full Metal Jacket

FMSJ - Full Metal Steel Jacket

APPENDIX E - STAB-RESISTANT STANDARDS

PSDB Body Armor Standard for UK Police (2003) - Knife and Spike Resistance

Protection	Energy Level E1	Maximum Penetration at	Energy Level E2	Maximum Penetration at E2
Level	(joules)	E1 (mm)	(joules)	(mm)
KR1	24	7	36	20
KR1+SP1	24	KR1=7, SP1 =0	KR1= 36, SP1 = N/A	KR1=20, SP1 = N/A
KR2	33	7	50	20
KR2+SP2	33	KR2=7, SP2 =0	KR2= 50, SP2 = N/A	KR2=20, SP2 = N/A
KR3	43	7	65	20
KR3+SP3	43	KR3=7, SP3 =0	KR3= 65, SP3 = N/A	KR3=20, SP3 = N/A

^{*} N/A = Not Applicable

NIJ Standard--0115.00 - Stab Resistance of Personal Body Armor

Protection	"E1"	StrikeEnergy	"E2"OvertestStrikeEnergy		
Level	J	ft-lbf	J	ft-lbf	
1	24±0.50	17.7±0.36	36±0.60	26.6±0.44	
2	33±0.60	24.3±0.44	50±0.70	36.9±0.51	
3	43±0.60	31.7±0.44	65±0.80	47.9±0.59	

^{*}Maximum penetration at E1 is 7 mm (0.28 in) and 20 mm (0.79 in) for maximum penetration at E2.

CEN prEN ISO 14876 Body Armour Standards (2000-2002) - Knife Stab Resistance

Protection Level	1st Energy Level	Mean/Maximum Penetration	2nd Energy Level	Mean/Maximum Penetration
1	15 joules	< 0.20 in (5 mm)/	25 joules	< 0.79 in (20 mm)/
'		< 0.39 in (10 mm)	25 joules	< 1.18 in (30 mm)
2	25 joules	< 0.20 in (5 mm)/	40 joules	< 0.79 in (20 mm)/
2		< 0.39 in (10 mm)	40 joules	< 1.18 in (30 mm)
	40 joules	< 0.20 in (5 mm)/	65 joules	< 0.79 in (20 mm)/
3	40 Joules	< 0.39 in (10 mm)	oo joules	< 1.18 in (30 mm)

^{*}Spike resistance is not available as a stand-alone protection level.

APPENDIX F - VEST TEST REPORT (NIJ IIIA)



S.E.G. line Issued To:

5602 General Washington Drive Alexandria, VA 22312 USA

09 March 2010 1 1 of 3

INC. LABORATORIES Test Report # T5369-01 Issue I NIJ 0101.06; Type IIIA S.E. G. Inc. 5400 Series - Ballistics Soft Armor Panels 09 March 2010



QAJVN

Approved by:

Jagdesh Sookhdeo Ballistics - Lab Manager

Prepared by:

a) Reports are issued pursuant to the ICS standard Terms and Conditions agreement.

b) The contents of this test report are confidential, Reproduction of the report is prohibited except in full, unless approved in writing by ICS Laboratories, Inc.

c) Unless otherwise indicated, the test results contained in this report apply only to the samples tested and not to lots or batches from which they were taken.

Contract segmented testing of ballistic soft armor planels to NIJ 0101.06 Standard "Personal Body Armor"; Threat Level IIIA

Quantity: Model ID: Sample ID: Front Back: Size:

Wet / Dry: Tumbling:

Test Weapon: Test Barrel (in) Manufacturer

Test Performed By: David Petit • Senior Ballistics Technician Marcus Jaworske • Ballistics Technician

Procedures:

Range configuration was set up per NIJ 0101.06 Standard

Testing protocols in accordance with NIJ 0101.06 and good laboratory practice were employed for all tests

Test was performed at 21°C ± 2.9°C/RH 50% ± 20%

Samples were stored for a period of 24 hours at a constant temperature of 21°C ± 2.9°C/ RH 50% ± 20% before testing

Samples were conditioned by tumbling per the test protocol specified in section 5 of NIJ0101.06.

The samples were mounted on a 24" x 24" x 5.5" block of clay that was calibrated by means of drop testing to 19±3 mm with an average of 19±2

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AF 3.3-1g (19 Dec 08)

ued To: S.E.G. line 5602 General Washington Drive Alexandria, VA 22312 USA

9 March 2010 T5369-01 2 of 3

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Start End

QAIVN

9 March 2010 T5369-01

NIJ 0101.06 Level IIIA - 2 Threat BFS Assessment

Sample Inform	nation:		Firing Sequence:	
Sample ID:	9A-1		Ammunition: .44 Mag SJHP	
		-	Start: 12:06 HH:mm	i
			End: 12:19 HH:mm	
Sample Condi	tioning Sequence:		Duration: 0:13 HH:mm	
Tumbling:	Yes Soak	No		
Temperature:	65 / 80 °C/%RH		Test Range Conditions:	
Start:	2/26/10 10:06 AM	1	Start End	
End:	3/8/10 10:06 AM		Ambient Temp: 23 22 °C	
Duration:	240:00:00	hr:min:sec	Rel. Humidity: 52 52 %	
Revolutions	72001			

Shot	Velocity 1	Velocity 2	Velocity	Average	BFS (mm)	Obliquity	Results
Location	(f/s)	(Øs)	(f/s)	(m/s)	DES (mm)	Conquity	ROSHIIS
1	1340	1341	1341	408.58	33	0.	
2	1350	1350	1350	411.48	34	0,	
3	1347	1347	1347	410.57	40	0.	
4	1349	1349	1349	411.18	19	45	
5	1341	1341	1341	408.74	28	30	
6	1349	1350	1350	411.33	31	0.	

≤ 44 mm Ref. Velocity: 1340 ± 30 ft/s (408 ± 9.1 m/s

Drop 2 Block ID Drop 1 Drop 3 Drop 4 Drop 5





Issued To: S.E.G. line

Shot	Velocity 1	Velocity 2	Velocity	Average	BFS (mm)	Obliquity	Results
Location	(f/s)	(f/s)	(f/s)	(m/s)	Drs (mm)	Conquity	ROSINIS
1	1439	1440	1440	438.76	35	0-	
2	1438	1439	1439	438.45	35	0°	
3	1443	1444	1444	439.98	40	0.	
4	1434	1435	1435	437.24	29	30	
5	1427	1428	1428	435.10	13	45	
6	1442	1443	1443	439.67	35	0.	
Ref. Velocity:	Ref. Velocity: 1430 ± 30 ft/s (436 ± 9.1 m/s)				≤ 44 mm		-

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