

BULLETPROOF PLATE



Level III+ Pure PE Plate

LONGFRI TECHNOLOGIES, LTD is a U.S.-based leading manufacturer of bulletproof plates.

Key features of Longfri *Pure PE bulletproof armor plates*:

- Made with UHMWPE fabrics and special pressing techniques to create *lighter* plate
- *NIJ Level III plus* bulletproof level
- User-friendly design fits to the body curve and *maximizes safety*
- Flexible rims on the edge increase *comfort* and ensure *unrestricted physical activities*
- Rugged, reliable, and stress fracture resistant
- *Fully sealed* to protect against liquids, chemicals, and harsh elements
- Maintenance free

This bulletproof plate is capable of achieving higher bulletproof level when used in conjunction with soft body armors.



Longfri bulletproof plate is tested under NIJ-0101.06 III body armor standards by H.P. White and Chesapeake. It is capable of defeating*:

- 7.62 × 51mm M80 bullet (M-14)
- 7.62 × 39mm MSC bullet (AK-47)
- 5.56 × 45mm M193 bullet (M-16)

*Multi-shot rated on selected threats.

Specifications for Longfri Pure PE Bulletproof Armor Plates

Size (Width x Length x Thickness)	NIJ Level	Weight (lbs.)	Ideal for
10"x 12" x 0.8"	III Plus	3.5±0.5	Front and back plate
6" x 6" x 0.8"	III Plus	1.1 ±0.2	Side plate
11" x 14" x 0.8"	III Plus	4.5 ±0.5	Front and back plate



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BULLETPROOF PLATE



Level IIIA Soft Panel

LONGFRI TECHNOLOGIES, LTD is a U.S.-based leading manufacturer of bulletproof plates.

Key features of Longfri *bulletproof soft panels*:

- Made with UHMWPE fabrics and special techniques to create *lighter* plate
- *NIJ Level IIIA* bulletproof level
- Great *weatherability*
- *Easy to fit* in various bags and carriers
- Widely used in *personal protection*
- *Fully sealed* to protect against liquids, chemicals, and harsh elements
- Maintenance free

This bulletproof soft panel is ideal for use in plate carrier and various personal items, such as school bag, computer case, and sports bag, for everyday personal protection.



Longfri bulletproof soft panel is tested under NIJ-0101.06 IIIA body armor standards by H.P. White and Chesapeake. It protects against* :

- 9 mm rounds at speed up to 1400ft/s
- .44 magnum rounds at speed up to 1400ft/s

*Multi-shot rated on selected threats.

Specifications for Longfri Bulletproof Soft Panels

Size (Width x Length x Thickness)	NIJ Level	Weight (lbs.)	Ideal for
11" x 14" x 0.35"	IIIA	1.35±0.1	Front and back plate Personal protection insert in: school bag, computer case, sports bag, etc.
10"x 12" x 0.35"	IIIA	1.0 ±0.1	
10"x 12" x 0.35" shooter	IIIA	0.95±0.1	
8" x 10" x 0.35"	IIIA	0.75±0.1	
6" x 8" x 0.35"	IIIA	0.45±0.1	
5" x 8" x 0.35"	IIIA	0.35±0.1	Side plate
6" x 11" x 0.35"	IIIA	0.55±0.1	
6" x 12.5" x 0.35"	IIIA	0.65±0.1	
6" x 6" x 0.35"	IIIA	0.40±0.1	



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BULLETPROOF PLATE



Level IV Ceramic/PE Compost Plate

LONGFRI TECHNOLOGIES, LTD is a U.S.-based leading manufacturer of bulletproof plates.

Key features of Longfri *Ceramic (SIC) PE Composite bulletproof armor plates*:

- Made with PE/Ceramic composite to create *lighter* plate
- *NIJ Level IV* bulletproof level
- Integral ceramic covering 100% of the plate, creating *superior bulletproof performance*
- *Crack-resistant* lightweight structure, capable of stopping multiple bullet rounds
- User-friendly design fits to the body curve and *maximizes safety*
- Flexible rims on the edge increase *comfort* and ensure *unrestricted physical activities*

The standard size is 10" x 12". The weight is only approximately 5.5 lbs.



Strike Face

Back Face

Testing Plate with 5 shots

Longfri bulletproof plate is tested under NIJ-0101.06 IV body armor standards by H.P. White and Chesapeake. It is capable of stopping at least 3 shots of caliber .30, 166 grain, AP, and M2 ammunition.

Specifications for Longfri Ceramic (SIC) PE Composite bulletproof armor plates

Size (Width x Length x Thickness)	NIJ Level	Weight (lbs.)	Ideal for
10" x 12"x 0.8"	IV	5.5±0.5	Front and back plate



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BULLETPROOF HELMET



Level IIIA Helmet

Longfri Ballistic Helmet is manufactured from high-tenacity ballistic PE fiber, and is designed to protect against fragments and ballistic threats.

Key features of Longfri Ballistic Helmet:

- Light-weighted, *less than 1.4kg or 3.1lbs*
- Ergonomic design of the internal harness provides *ultimate comfort*
- Improved four-point retention system and sling suspension system for *added comfort and stability*
- Ballistic performance tested at *NIJ Level IIIA*



Head size: 22.4-23.6”(L)



Suspension system inside helmet

Longfri Ballistic Helmet protects against:

- .44 mag and 9mm bullets
- Fragmentation ranges from V50 of 500-700m/s



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Vigard™ Ballistic / Fragmentation Visors

Vigard™ ballistic visor is laminated with PMMA and polycarbonate with proprietary TPU interlayer, designed to offer protection against multiple hits of ballistic threats, as well as fragmentation and blunt impact. Vigard visor protect the entire facial area from the helmet rim to below the chin area.

With no air-space between layers, Vigard has the highest light transmission, minimal distortion, and least weight and thickness compared visors offering the same ballistic protection.

Vigard ballistic visor can be retrofitted onto full coverage PASGT or COMBAT (ACH) style helmets with our unique Visor Fastening System (VFS).



VFS allows the visor to be securely mounted to the helmet with adjustable rear lock, and quickly attached or detached to most ballistic helmets. Vigard visor can also be permanently fixed to the helmet, or fixed to our Herail™ Helmet Rails using mounting hardware and adaptors.

The visor can be locked into 3 positions including fully elevated, 45 degrees and deployed.

Vigard™ ballistic visor is supplied to most of the major ballistic helmet manufacturers worldwide for military, para-military, law enforcement, bomb disposal, and EOD applications.

Vigard™ ballistic visor protects against .44 mag and 9mm bullets at Fragmentation ranges from V50 of 500-700m/s. It meets NIJ Level IIIA requirement.



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BULLETPROOF VEST

Full Protection Bulletproof Vest

Longfri full projection bulletproof vest provides extensive protection for the whole body with great design features.

Protection

- Made with PE fabrics
- Certified under the NIJ 0101.06 level IIIA standard
- Capable of stopping .44 Magnum bullet and .357 bullet with maximum backface deformation of 44mm



Design

- Light-weight ergonomic design reduces body load and fits closely while allowing unrestricted physical activities
- Plate pockets inside the vest
- Optional additional plates to increase bulletproof level
- Adjustable closure to fit wide range of body sizes

Maintenance

- Bulletproof panel are composed of UHMWPE bulletproof material with great weatherability
- Functional high strength nylon coated jacket featuring fire-resistant and water-resistant.
- Easy maintenance with detachable bulletproof panel



Available in stock now: vest in black, sizes XL and XXL (fit typical body size from M to XXL). Other sizes and color may be available to order.



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BULLETPROOF VEST

Concealable Bulletproof Vest

Longfri concealable bulletproof vest provides extensive protection for the part of the body containing the most vital organs. It saves life at the critical moment.

Certified at NIJ Level IIIA, the vest is protective against handgun rounds up to a .44 Magnum and .357 bullet.

Key Features:

- Made with PE fabrics
- Certified under the NIJ 0101.06 level IIIA standard
- Capable of stopping .44 Magnum bullet and .357 bullet with maximum backface deformation of 44mm
- Extensive side protection as well as front and back protection



- Adjustable closure to fit wide range of body sizes
- Light-weight ergonomic design reduces body load and fits closely while allowing unrestricted physical activities
- Easy maintenance with detachable bulletproof panel
- Great weatherability

Available in stock now: vest in white or black, sizes S to XXXL.



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Bulletproof Vest

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Key Features:

- Made with PE fabrics
- Certified under the NIJ 0101.06 level IIIA standard
- Capable of stopping .44 Magnum bullet and .357 bullet with maximum backface deformation of 44mm
- Extensive side projection as well as front and back protection
- Great weatherability



- Adjustable closure to fit wide range of body sizes
- Light-weight ergonomic design reduces body load and fits closely while allowing unrestricted physical activities
- Additional plate pockets in front and back for optional plates to increase bulletproof level
- Easy maintenance with detachable bulletproof panel

Available in stock now: vest in black, sizes S to XXXL. Other colors are available to order.



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BALLISTIC PLATE CARRIER

Nylon Ballistic Plate Carriers

Longfri supplies a few types of ballistic plate carriers and compatible soft panels and hard plates.

Key features of nylon carriers:

- Made with Nylon 600D material that is water and chemical resistant
- Front and back pockets fit 10" x 12" inserts
- Two side pockets fit 6" x 12" inserts
- Each pocket is deep enough to fit multiple soft panels, or one hard plate, or one soft panel plus one hard plate, to provide the desirable level of protection
- Side release buckles on shoulders and internal waist strap
- Easy access to ballistic panel or plate with pull down flaps



- Lightly padded mesh on front and back harness for comfort and airflow
- Adjustable closures to fit multiple sizes
- Adjustable shoulder straps
- Emergency drag handle
- Carrier can be purchased with or without protective inserts

Available in stock: carriers in black or coyote; sizes M\L and XL\XXL.

Compatible protective inserts available:

- NIJ level IIIA soft panels
- NIJ level III or IV hard plates



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BALLISTIC PLATE CARRIER

PVC Ballistic Plate Carriers

Longfri supplies a few types of ballistic plate carriers and compatible soft panels and hard plates.

Key features of PVC carriers:

- Made with tough and durable PVC material that is water and chemical resistant
- Double and re-enforcement cross stitching in critical areas
- Front and back pockets fit 11" x 14" inserts
- Two side pockets fit 5.5" x 12" inserts
- Each pocket is deep enough to fit multiple soft panels, or one hard plate, or one soft panel plus one hard plate, to provide the desirable level of protection
- Side release buckles on shoulders and internal waist strap
- Easy access to ballistic panel or plate with pull down flaps



- Lightly padded mesh on front and back harness for comfort and airflow
- Adjustable closures to fit multiple sizes
- Adjustable shoulder straps
- Emergency drag handle
- Carrier can be purchased with or without protective inserts



Available in stock: carriers in black or green; one size that fits L to XXL.

Compatible protective inserts available:

- NIJ level IIIA soft panels
- NIJ level III or IV hard plates



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