

MANUFACTURER DIRECT ARMOR PRODUCTS

Manufacturers of quality armor products utilizing the newest technology. Omron controlled automated presses. PLC controlled CNC tables and cutters provide repetitive quality in each product produced. We have an Aramid and PE shop providing us the capability to produce almost any custom configuration.



TACTICAL
SCORPION GEAR



LEVEL IIIA ARMOR PRODUCTS

Waterproof soft plates made of Teijin UD Aramid enclosed on our ultrasonic nylon welder.
Thickness: 7/16"

Protection Rating

** This model complies with NIJ Standard-0101.06 for Ballistic Resistance of Body Armor.**

NIJ approved laboratory tested Level IIIA Armor will defeat 6 pistol round shots up to .44 magnum (1474 fps)

Availability

SKU	Weight	Size	Shape
TSG-SA6X6	5.5 ounce	6" x 6"	Square
TSG-SA6X8	7 ounce	6" x 8"	Rectangle
TSG-SA8X10S	10.5 ounce	8" x 10"	Rectangle
TSG-SA8X10	10.5 ounce	8" x 10"	Shooters cut
TSG-SA10X12S	15 ounce	10" x 12"	Rectangle
TSG-SA10X12	15 ounce	10" x 12"	Shooters cut
TSG-SA11X14S	20 ounce	11" x 14"	Rectangle
TSG-SA11X14	20 ounce	11" x 14"	Shooters cut

Shape: Single Curve

LEVEL IIIA ARMOR PRODUCTS

Curved hard plates made of Teijin UD Aramid enclosed with 600D nylon and padded edges
Thickness: 1/4"



Protection Rating

** This model complies with NIJ Standard-0101.06 for Ballistic Resistance of Body Armor.**

NIJ approved laboratory tested Level IIIA Armor will defeat 6 pistol round shots up to .44 magnum (1474 fps)

Availability

SKU	Weight	Size	Shape
KE-663AC	4 ounce	6" x 6"	Square
KE-683AC	6 ounce	6" x 8"	Rectangle
KE-8103AC	10.5 ounce	8" x 10"	SAPI cut
KE-10123AC	15 ounce	10" x 12"	SAPI cut
KE-11143AC	18 ounce	11" x 14"	SAPI cut



LEVEL IIIA ARMOR PRODUCTS

Economical hard plates made from proprietary woven-roving fiberglass.

0.5" Nominal thickness

Protection Rating

** This model complies with NIJ Standard-0101.06 for Ballistic Resistance of Body Armor.**

NIJ approved laboratory tested Level IIIA Armor will defeat 6 pistol round shots up to .44 magnum (1474 fps)

Availability

SKU	Weight	Size	Shape
TSG-66F	21 ounce	6" x 6"	Square
TSG-68F	28 ounce	6" x 8"	Rectangle
TSG-810F	46 ounce	8" x 10"	Shooters cut
TSG-1012F	66 ounce	10" x 12"	Shooters cut
TSG-1012MF	62 ounce	10" x 12"	Modified
TSG-1114F	89 ounce	11" x 14"	Shooters cut

*Only available in flat



LEVEL III ARMOR PRODUCTS

AR500 steel core. Manufactured from AR500 steel core with brinell strength ranges of 505 – 535 BHN .25" nominal thickness before coating



Protection Rating

** This model complies with NIJ Standard-0101.06 for Ballistic Resistance of Body Armor.**
 NIJ tested Level III Armor will defeat 6 rifles round shots up to 7.62x51/.308 @ 2780 ft/s @ 15 METERS

Availability

SKU	Weight	Size	Shape
TSG-66	42 ounce	6" x 6"	Square
TSG-68	53 ounce	6" x 8"	Rectangle
TSG-810	83 ounce	8" x 10"	Shooters cut
TSG-810R	86 ounce	8" x 10"	Rectangle
TSG-1012	126 ounce	10" x 12"	Shooters cut
TSG-1012M	115 ounce	10" x 12"	Modified
TSG-11X14	178 ounce	11" x 14"	Shooters cut
TSG-11X14M	140 ounce	11" x 14"	Modified

* Available in flat and single curve
 ** Available in base coated and full spall build-up
 *** Weights are base coat



LEVEL III + ARMOR PRODUCTS

Proprietary ballistic steel core.

Manufactured from steel core with brinell strength ranges of 600 – 630 BHN

.197" nominal thickness before coating

Protection Rating

** This model complies with NIJ Standard-0101.06 for Ballistic Resistance of Body Armor.**

6 shot stand alone tests : 7.62x51/.308 149gr(2780 fps), M855 5.56mm 62gr(2855 fps), M193 5.56mm 55gr (2966 fps)

Availability

SKU	Weight	Size	Shape
TSG-66L	33 ounce	6" x 6"	Square
TSG-68L	44 ounce	6" x 8"	Rectangle
TSG-810L	70 ounce	8" x 10"	Rectangle
TSG-810L	83 ounce	8" x 10"	shooters cut
TSG-1012L	103 ounce	10" x 12"	shooters cut
TSG-1012ML	89 ounce	10" x 12"	Modified
TSG-11X14L	138 ounce	11" x 14"	shooters cut
TSG-11X14ML	107 ounce	11" x 14"	Modified

* Available in flat and single curve

** Available in base coated and full spall build-up

*** Weights are base coat

Shape: Flat

LEVEL III + ARMOR PRODUCTS

Polyethylene PE high molecular weight. Exterior covered in 1000D nylon with padded edges.
1" nominal thickness



Protection Rating

** This model complies with NIJ Standard-0101.06 for Ballistic Resistance of Body Armor.**

Rated for up to six hits from 7.62 Nato bullets (.308 Winchester) with velocities up to 2780 fps / 7.62 x 51mm, MSC, PS Ball) Tested with XM193 at 45 ft with recorded velocities in excess of 3400fps from a 20" barrel

Availability

SKU	Weight	Size	Shape
TSG-663F	16 ounce	6" x 6"	Square
TSG-683F	22 ounce	6" x 8"	Rectangle
TSG-8103F	30 ounce	8" x 10"	SAPI cut
TSG-10123F	53 ounce	10" x 12"	SAPI cut
TSG-1012M3F	48 ounce	10" x 12"	Modified
TSG-11143F	74 ounce	11" x 14"	SAPI cut



Shape: Single Curve

LEVEL III + ARMOR PRODUCTS

Polyethylene PE high molecular weight. Exterior covered in 1000D nylon with padded edges. 1" nominal thickness

Protection Rating

** This model complies with NIJ Standard-0101.06 for Ballistic Resistance of Body Armor.**

Rated for up to six hits from 7.62 Nato bullets (.308 Winchester) with velocities up to 2780 fps / 7.62 x 51mm, MSC, PS Ball) Tested with XM193 at 45 ft with recorded velocities in excess of 3400fps from a 20" barrel

Availability

SKU	Weight	Size	Shape
TSG-663C	16 ounce	6" x 6"	Square
TSG-683C	22 ounce	6" x 8"	Rectangle
TSG-8103C	30 ounce	8" x 10"	SAPI cut
TSG-10123C	53 ounce	10" x 12"	SAPI cut
TSG-1012M3C	48 ounce	10" x 12"	Modified
TSG-11X143C	74 ounce	11" x 14"	SAPI cut
TSG-11X14M3C	64 ounce	11" x 14"	Modified

* Available in single curve

Shape: Multi curved

LEVEL III + ARMOR PRODUCTS

Polyethylene PE high molecular weight. Exterior covered in 1000D nylon with padded edges
1" nominal thickness



Protection Rating

** This model complies with NIJ Standard-0101.06 for Ballistic Resistance of Body Armor.**

Rated for up to six hits from 7.62 Nato bullets (.308 Winchester) with velocities up to 2780 fps / 7.62 x 51mm, MSC, PS Ball) Tested with XM193 at 45 ft with recorded velocities in excess of 3400fps from a 20" barrel

Availability

SKU	Weight	Size	Shape
TSG-8103MC	30 ounce	8" x 10"	SAPI cut
TSG-10123MC	53 ounce	10" x 12"	SAPI cut
TSG-11X143MC	74 ounce	11" x 14"	SAPI cut

* Available in Multi-curve



Shape: Flat, Single Curve and Multi-curve

LEVEL III+ "EXTREME" Armor Products

Polyethylene PE high molecular weight, Aramid and Silicone Carbide hybrid enclosed with 600D nylon and padded edges

Thickness: .875"

Protection Rating

This model complies with NIJ Standard-0101.06 for Ballistic Resistance of BodyArmor

Rated for up to 6 shots.5.56 M855 green tip (20" barrel) at 3226fps, XM193 (20" barrel) at 3428fps, 7.62 x 39 123 grain HP at 2346fps, Military issue M855A1 at 3134fps (20" barrel)

Availability

SKU	Weight	Size	Shape
PE-66H	22.5 Ounces	6" x 6"	Square
PE-68H	30 Ounces	6" x 8"	Rectangle
PE-810H	50 Ounces	8" x 10"	SAPI
PE-1012H	75 Ounces	10" x 12"	SAPI
PE-1012HM	65 Ounces	10" x 12"	Swimmers / Modified
PE-1114H	96 Ounces	11" x 14"	SAPI
PE-1114HM	85 Ounces	11" x 14"	Swimmers / Modified



Shape: Flat

Level RF2 Special Threats ASP PE Flat Body Armor

New Body Armor which provides unmatched protection at 1/3 the weight of any steel core armor. They provide reliable repetitive test results unlike many steel core armor products.

Protection Rating

This model complies with NIJ Standard-0101.06 for Ballistic Resistance of BodyArmor

Rated for six hits with velocities up to 3245 fps against 5.56 M193 (26 inch barrel),Velocities up to 3100 fps against 5.56 M855 (26 inch barrel) Defeats Military issue M855A1 at 3134fps

Availability

SKU	Weight	Size	Shape
PE-1012ASPF	49.6 ounce	10" x 12"	SAPI
PE-1114ASPF	70.4 ounce	11" x 14"	SAPI
PE-810ASPF	33.6 ounce	8" x 10"	SAPI
PE-66ASPF	14.24 ounce	6" x 6"	SAPI
PE-68ASPF	20 ounce	6" x 8"	SAPI

Shape: Modified Curved

Level RF2 Special Threats ASP PE Modified Curved Body Armor

New Body Armor which provides unmatched protection at 1/3 the weight of any steel core armor. They provide reliable repetitive test results unlike many steel core armor products.



Protection Rating

This model complies with NIJ Standard-0101.06 for Ballistic Resistance of BodyArmor

Rated for six hits with velocities up to 3245 fps against 5.56 M193 (26 inch barrel),Velocities up to 3100 fps against 5.56 M855 (26 inch barrel) Defeats Military issue M855A1 at 3134fps

Availability

SKU	Weight	Size	Shape
PE-1012MASPC	49.6 ounce	10" x 12"	SAPI
PE-1114MASPC	70.4 ounce	11" x 14"	SAPI



Shape: Multi Curved

Level RF2 Special Threats ASP PE Multi Curved Body Armor

New Body Armor which provides unmatched protection at 1/3 the weight of any steel core armor. They provide reliable repetitive test results unlike many steel core armor products.

Protection Rating

This model complies with NIJ Standard-0101.06 for Ballistic Resistance of BodyArmor

Rated for six hits with velocities up to 3245 fps against 5.56 M193 (26 inch barrel),Velocities up to 3100 fps against 5.56 M855 (26 inch barrel) Defeats Military issue M855A1 at 3134fps

Availability

SKU	Weight	Size	Shape
PE-1012ASPMC	49.6 ounce	10" x 12"	SAPI
PE-1114ASPMC	70.4 ounce	11" x 14"	SAPI
PE-810ASPMC	33.6 ounce	8" x 10"	SAPI
PE-SSASPMC	44 ounce	Small	SAPI
PE-LSASPMC	60 ounce	Large	SAPI
PE-MSASPMC	52.8 ounce	Medium	SAPI

Shape: Single Curved

Level RF2 Special Threats ASP PE Single Curve Body Armor

New Body Armor which provides unmatched protection at 1/3 the weight of any steel core armor. They provide reliable repetitive test results unlike many steel core armor products.



Protection Rating

This model complies with NIJ Standard-0101.06 for Ballistic Resistance of BodyArmor

Rated for six hits with velocities up to 3245 fps against 5.56 M193 (26 inch barrel),Velocities up to 3100 fps against 5.56 M855 (26 inch barrel) Defeats Military issue M855A1 at 3134fps

Availability

SKU	Weight	Size	Shape
PE-1012ASPC	49.6 ounce	10" x 12"	SAPI
PE-1114ASPC	70.4 ounce	11" x 14"	SAPI
PE-810ASPC	33.6 ounce	8" x 10"	SAPI
PE-66ASPC	14.24 ounce	6" x 6"	SAPI
PE-68ASPC	20 ounce	6" x 6"	SAPI
PE-55ASPC	44 ounce	Small	SAPI
PE-LSASPC	60 ounce	Large	SAPI
PE-MSASPC	52.8 ounce	Medium	SAPI



Shape: Flat

LEVEL IV ARMOR PRODUCTS

Polyethylene PE high molecular weight with geometric ceramics and padded protective facial cover. Exterior covered in 1000D nylon with padded edges.

Protection Rating

** This model complies with NIJ Standard-0101.06 for Ballistic Resistance of Body Armor.**
 NIJ tested Level IV Armor will defeat 3 rifle round shots up to .30 Cal M2 AP @ 2887 ft/s @ 42 feet

Availability

SKU	Weight in ounce		Size	Shape
	Alumina	SI		
TSG-664F	33	30	6" x 6"	Square
TSG-684F	44	38	6" x 8"	Rectangle
TSG-8104F	70	61	8" x 10"	SAPI cut
TSG-10124F	103	88	10" x 12"	Shooters cut
TSG-11X144F	138	124	11" x 14"	SAPI cut
TSG-11X14M4F	118	101	11" x 14"	Modified

* Available in Flat

** Available with alum or Silicone Carbide ceramics

Shape: Single Curved

LEVEL IV ARMOR PRODUCTS

Polyethylene PE high molecular weight with geometric ceramics and padded protective facial cover. Exterior covered in 1000D nylon with padded edges.



Protection Rating

** This model complies with NIJ Standard-0101.06 for Ballistic Resistance of Body Armor.**

NIJ tested Level IV Armor will defeat 3 rifle round shots up to .30 Cal M2 AP @ 2887 ft/s @ 42 feet

Availability

SKU	Weight in ounce Alumina	SI	Size	Shape
TSG-664C	33	30	6" x 6"	Square
TSG-684C	44	38	6" x 8"	Rectangle
TSG-8104C	70	61	8" x 10"	SAPI cut
TSG-10124C	103	88	10" x 12"	SAPI cut
TSG-1012M4C	92	80	10" x 12"	Modified
TSG-11X144C	138	119	11" x 14"	SAPI cut
TSG-11X14M4C	118	101	11" x 14"	Modified

* Available in single curve

** Available with alum or Silicone Carbide ceramics



Shape: Multi Curved

LEVEL IV ARMOR PRODUCTS

Polyethylene PE high molecular weight with geometric ceramics and padded protective facial cover. Exterior covered in 1000D nylon with padded edges.

Protection Rating

** This model complies with NIJ Standard-0101.06 for Ballistic Resistance of Body Armor**

NIJ tested Level IV Armor will defeat 3 rifle round shots up to .30 Cal M2 AP @ 2887 ft/s @ 42 feet

Availability

SKU	Weight in ounce Alumina	SI	Size	Shape
TSG-1012MC	100	88	10" x 12"	SAPI cut
TSG-11X14MC	144	124	11" x 14"	SAPI cut

* Available in Multi Curve

** Available with Alum or Silicone Carbide Ceramics

TACTICAL

SCORPION GEAR

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