

DHK Defense & Aerospace



DHK Ballistic Protection Products

DHK Defense & Aerospace
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DHK Lightweight Ballistic Protection Products

Under the present conditions, there is a huge worldwide demand for ballistic protection. DHK Ballistic Protection Products (BPP) provide new and innovative solution to ballistic protection. Our patented technology utilizes common commercially available materials and converts them into lightweight, compact ballistic protection with the use of tightly controlled manufacturing processes. The worldwide terrorism threat has created a very high demand for bulletproof protection for Armed Forces, Police, and other enforcement agencies. DHK Ballistic Protection Panels (BPP) will not only fill the gap but will be readily accepted on the market due to being significantly lower in cost (40% lower) while providing additional benefits such as being fire retardant, compact and light weight.

The BPP is designed to provide protection to NIJ level II, IIA, III, and IV. Our BPPs can be molded to fit any configuration needed such as:

1. Bulletproof jacket systems (BPJ)
2. Bulletproof helicopter pilot seats, engine and blade area, etc.
3. Bulletproof mission critical equipment such as oxygen systems, etc.
4. Bulletproof aircrafts susceptible to ground fire during low altitude operations
5. Explosion resistant and fireproof



DHK BALLISTIC COMPOSITE PLATE
(8470) PART NO. DHK80011-1BSP-3
NIJ LEVEL III PROTECTION
SIZES: 10"x 12"
WEIGHT-2lbs(<.9)kg

DHK's BPJ is the lightest weight jacket on the market today with the most protection. For example, the BPJ NIJ Level III protection system weighs less than 4.5kg (9.9lbs). BPJ is designed for over or under the uniform wear, offers extensive front, back, side, and over-the-shoulder ballistic coverage without restricting mobility. Optional features include a custom-configured vest pocket design and groin protection.

Like all our jackets, the BPJ has all the quality touches you expect from DHK such as double needle stitching for strength; bar-tacked ballistic panels and reinforcement in the areas most vulnerable to excessive wear. The lightweight bulletproof jacket is convenient and comfortable to wear and should not impede the movement of the wearer in carrying out various operational duties in the field.



TROJAN TACTICAL BODY ARMOR (8470) WITH COLLAR AND GROIN PROTECTION PART NO. DHK80012-KBPV-3A NIJ LEVEL IIIA PROTECTION CARDURA NYLON OUTER SHELL OD GREEN, WOODLAND CAMO, NAVY, TAN WEIGHT-2.90kg (6.4lbs) SIZES:SM,M,L



TROJAN ULTRA-LIGHT BODY ARMOR, RDV-3A PART NO. DHK80013-RDV-3A NIJ LEVEL IIIA PROTECTION CARDURA NYLON OUTER SHELL OD GREEN, WOODLAND CAMO, NAVY, TAN WEIGHT-2.90kg (6.4lbs) SIZES:SM,M,L

DHK Ballistic Protection Products

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- Titanium – 6-4, DHK700078-TI64-1, Heat Treated IAW MIL-H-6875, bead blast and sand blasting for work hardening after forming. Other applicable specs: MIL-H-7199, MIL-H-81200, MIL-H-6088
- Spectra
- Kevlar – D129
- Steel Lamination – DHK700078-HC1095-1, Heat Treated to MIL Spec.
- Screen Mesh - DHK700078-HC1095-SM-1, Heat Treated to MIL Spec.
- Ballistic Epoxies - Specially formulated for ballistic applications,



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2. Bulletproof helicopter pilot seats, engine and blade area, etc.
3. Bulletproof mission critical equipment such as oxygen systems, etc.
4. Bulletproof aircrafts susceptible to ground fire during low altitude operations
5. Explosion resistance and fireproof



DHK's BPJ is the lightest weight jacket on the market today with the most protection. For example, the BPJ NIJ Level III protection system weighs less than 4.5kg (9.9lbs). BPJ is designed for over or under the uniform wear, offers extensive front, back, side, and over-the-shoulder ballistic coverage without restricting mobility. Optional features include a custom-configured vest pocket design and groin protection.

Patented Ballistic Protection Panels Applications

Light weight Ballistic Protection Panels can be molded into any configuration for multiple applications such as:

- Ballistic protection for Medical oxygen systems
- Ballistic protection for Mission critical equipment
- Ballistic protection for vehicles such as APC, Ambulance, Command and Control vehicles, ETC
- Ballistic protection for helicopters and close support aircraft



Bullet Proof Oxygen System



Trojan Ultra-Lite Body Armor

DHK80013-RDV-3A

DHK Ballistic Protection Products provide new and innovative solutions to ballistic protection. Our patented technology utilizes common commercially available materials and converts them into lightweight compact ballistic protection with the use of strictly controlled manufacturing processes. DHK Ballistic Protection Panels (BPP) are significantly lower in cost, while providing additional benefits over other products on the market, such as being fire retardant, compact and light weight. The interior of all of our vests are lined with Cool Max material for improved cooling and breathability. The BPP offers open architecture and is designed to provide protection to NIJ level IIA, II, IIIA, III and IV. Our BPPs can be molded to fit any configuration desired, such as :



Trojan Ultra-Lite Body Armor

NIJ LEVEL IIIA PROTECTION

COMPLIES WITH NIJ STANDARD 0101.04

CARDURA NYLON OUTER SHELL OD

GREEN WOODLAND CAMO, NAVY, TAN

OR AS REQUIRED

SIZES : SM, M, L

Collar is detachable

1. Bulletproof jacket systems (BPJ).
2. Bulletproofing helicopter pilot seats, engine and blade area etc.
3. Bulletproofing mission critical equipment such as oxygen systems, etc.
4. Aircraft Bulletproofing : protects aircraft from ground fire during low altitude operation.
5. Explosion resistance and fireproofing.

DHK Ultra Lite Body Armor is one of the lightest weight jackets on the market today and offer the most protection. Optional features include a custom configured vest pocket design, three SAP system, provision for attaching mission-critical equipment, removable collar and groin protection. Like all our products, the BPJs have all the quality touches you expect from DHK such as double needle stitching for strength, bar-tacked ballistic panels and reinforcement in the areas most vulnerable to excessive wear. Our lightweight bulletproof jackets are convenient and comfortable to wear and do not impede the movement of the wearer while carrying out various operational duties in the field.

Trojan Tactical Body Armor

DHK80012-TBA-3A

DHK Ballistic Protection Products provide new and innovative solutions to ballistic protection. Our patented technology utilizes common commercially available materials and converts them into lightweight compact ballistic protection with the use of strictly controlled manufacturing processes. DHK Ballistic Protection Panels (BPP) are significantly lower in cost, while providing additional benefits over other products on the market, such as being fire retardant, compact and light weight. The interior of all of our vests are lined with Cool Max material for improved cooling and breathability. The BPP offers open architecture and is designed to provide protection to NIJ level IIA, II, IIIA, III and IV. Our BPPs can be molded to fit any configuration desired, such as:

1. Bulletproof jacket systems (BPJ).
2. Bulletproofing helicopter pilot seats, engine and blade area etc.
3. Bulletproofing mission critical equipment such as oxygen systems, etc.
4. Aircraft Bulletproofing : protects aircraft from ground fire during low altitude operation.
5. Explosion resistance and fireproofing.

DHK Trojan Tactical Body Armor is one of the lightest weight jacket on the market today and offer the most protection. Special features include rapid deployment or ejection fasteners, custom configured vest pocket design, collar and groin protection. Like all our products, the BPJs have all the quality touches you expect from DHK such as double needle stitching for strength, bar-tacked ballistic panels and reinforcement in the areas most vulnerable to excessive wear. Our lightweight bulletproof jackets are convenient and comfortable to wear and do not impede the movement of the wearer while carrying out various operational duties in the field.



Trojan Tactical Body Armor
WITH COLLAR AND GROIN
PROTECTION NIJ LEVEL IIIA
PROTECTION COMPLIES WITH
NIJ STANDARD 0101.04
CARDURA NYLON OUTER SHELL OD
GREEN WOODLAND CAMO, NAVY, TAN
OR AS REQUIRED
SIZES : SM, M, L

Trojan Concealable Body Armor

DHK Ballistic Protection Products provide new and innovative solutions to ballistic protection. Our patented technology utilizes common commercially available materials and converts them into lightweight compact ballistic protection with the use of strictly controlled manufacturing processes. DHK Ballistic Protection Panels (BPP) are significantly lower in cost, while providing additional benefits over other products on the market, such as being fire retardant, compact and light weight. The interior of all of our vests are lined with Cool Max material for improved cooling and breathability.



The BPP offers open architecture and is designed to provide protection to NIJ level IIA, II, IIIA, III and IV. Our BPPs can be molded to fit any configuration desired, such as:

1. Bulletproof jacket systems (BPJ).
2. Bulletproofing helicopter pilot seats, engine and blade area etc.
3. Bulletproofing mission critical equipment such as oxygen systems, etc.
4. Aircraft Bulletproofing: protects aircraft from ground fire during low altitude operation
5. Explosion resistance and fireproofing.

DHK Trojan concealable body armor is lightweight and provides comfort, mobility and maximum protection.

Features:

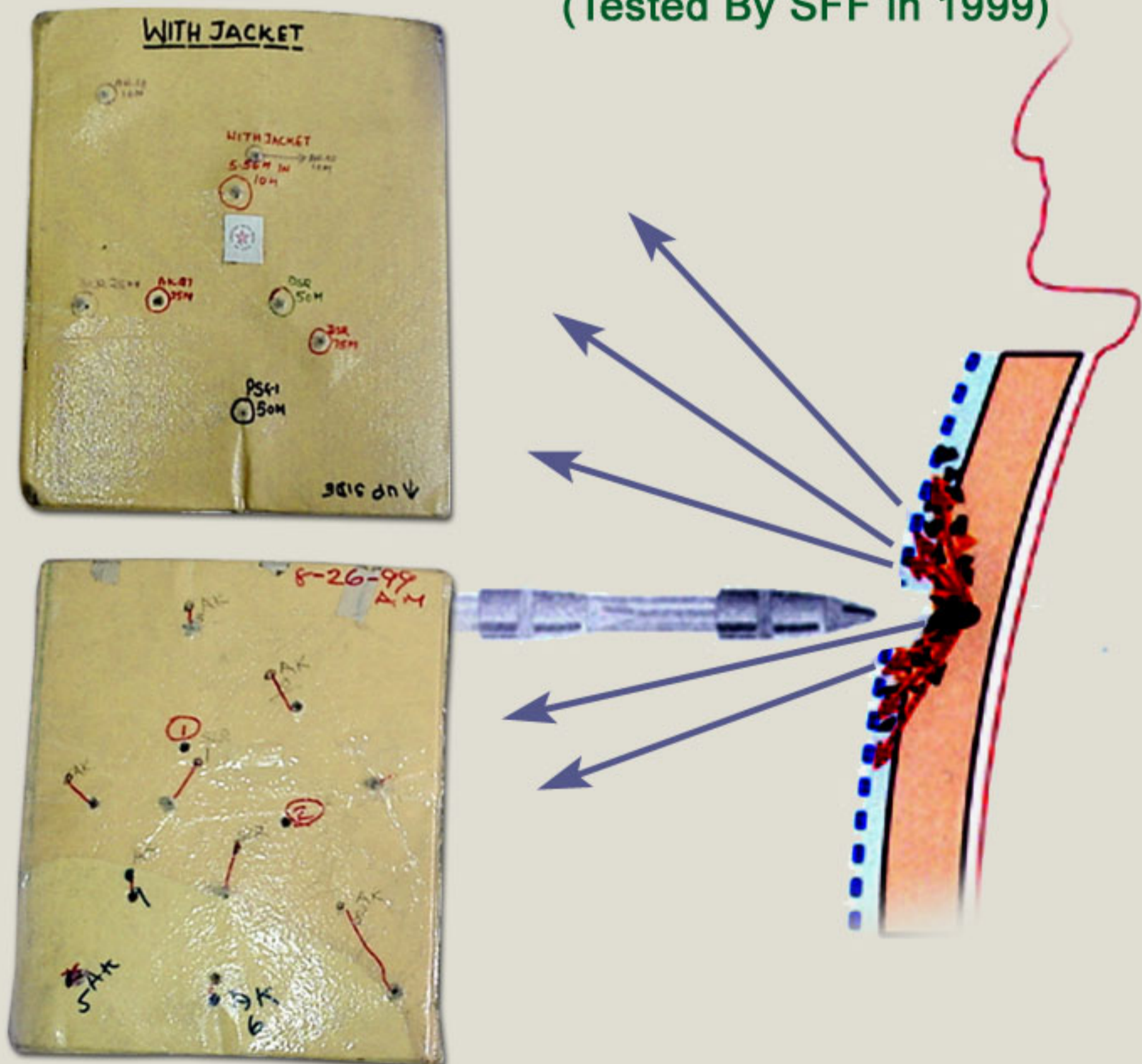
- Soft Armor Panels (SAP) from and back, provide ballistic protection all around, including sides, under arm area and major portion of shoulders. This is achieved with customized SAP design to optimize the ballistic protection without compromising mobility.
- Protection level NIJ IIIA
- Six point adjustable Velcro attachment system ensures a comfortable fit.
- Customized neck design configuration offers maximum protection and concealability.
- 5" x 8" metal trauma plate and pocket are standard features.

- Custom SAP's Ballistic panels are removable.
- Dura-nylon 500 denier proven Mil Spec fabric carrier for comfort and long life cycle.
- Cool Max lining for air ventilation and extended wear
- Front Tab Officer identification
- Shirt Tail.
- DHK Trojan Body armor systems are available in tan, black, navy blue, camo and other standard colors

OUR ARMOR VESTS MEET AND EXCEED THE MOST STRINGENT NATIONAL INSTITUTE OF JUSTICE, U.S.A., NI J STANDARD 0101-04 U.S. MIL-STD-662 AND 662A. All of our products are manufactured in accordance with MIL-I-45208, MIL-STD-883C, MIL-STD-454, MIL-STD-45662, MIL-STD-129, MIL-STD-130, MIL-STD-105, MIL-STD-595, and other applicable specifications as required by contract.

SFF Ballistic Test Plate

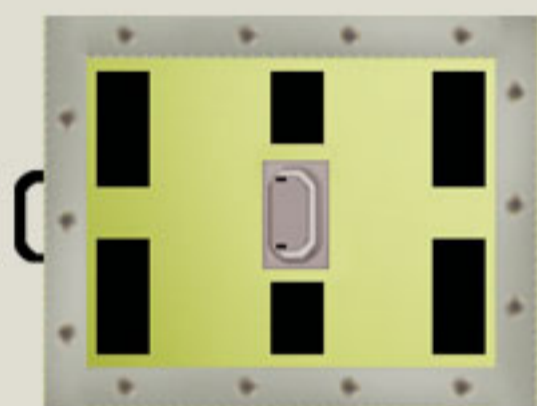
(Tested By SFF in 1999)



Bomb Blast Protection For Vehicles



Bomb Blast
Protection
Blanket



Occupant Seat Area Ballistic Protection
NIJ Level III
Protects against 7.62 mm and IEDS
(Level IV protection available if required)
Part #: DHK700213-OSABP-3



DHK Ballistic Protection Panel
NIJ Level III
Protects against 7.62 mm and IEDS
(Level IV protection available if required)
Part # DHK700213-BPP-3 or 4



Occupant Feet Resting Area
Ballistic Protection
NIJ Level III
Protects against 7.62 mm and IEDS
(Level IV protection available if required)
Part # DHK700213-OFRA-3

**Ballistic Resistance Table
NIJ Standard 0101.03**

<i>Test Variables</i>				<i>Performance requirements</i>			
<i>Armor type</i>	<i>Test Round</i>	<i>Rest Ammunition</i>	<i>Nominal bullet mass</i>	<i>Minimum required bullet velocity</i>	<i>Required fair hits per armor part at 0° angle of incidence</i>	<i>Maximum depth of deformation</i>	<i>Required fair hits per armor at 30° angle of incidence</i>
<i>I</i>	1	38 Special RN Lead	10.2g 158gr	259 m/s (850 ft/s)	4	44 mm (1.73 in)	2
	2	22 LRHV Lead	2.6g 40gr	320 m/s (1050 ft/s)	4	44 mm (1.73 in)	2
<i>II-A</i>	1	357 Magnum JSP	10.2g 158gr	381 m/s (1250 ft/s)	4	44 mm (1.73 in)	2
	2	9 mm FMJ	8.0g 124gr	332 m/s (1090 ft/s)	4	44 mm (1.73 in)	2
<i>II</i>	1	357 Magnum JSP	10.2g 158gr	425 m/s (1395 ft/s)	4	44 mm (1.73 in)	2
	2	9mm FMJ	8.0g 124gr	358 m/s (1175 ft/s)	4	44 mm (1.73 in)	2
<i>III-A</i>	1	44 Magnum Lead SWC Gas Checked	15.55g 240gr	426 m/s (1400 ft/s)	4	44 mm (1.73 in)	2
	2	9 mm FMJ	8.0g 124gr	426 m/s (1400 ft/s)	4	44 mm (1.73 in)	2
<i>III</i>		7.62mm (308 Winchester) FMJ	9.7g 150gr	838 m/s (2750 ft/s)	6	44 mm (1.73 in)	0
<i>IV</i>		30-06 AP	10.8g 166gr	868 m/s (2850 ft/s)	1	44 mm (1.73 in)	0



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