

COMPOSITE ARMOUR TECHNOLOGY



LASA
SOLDIER SYSTEMS

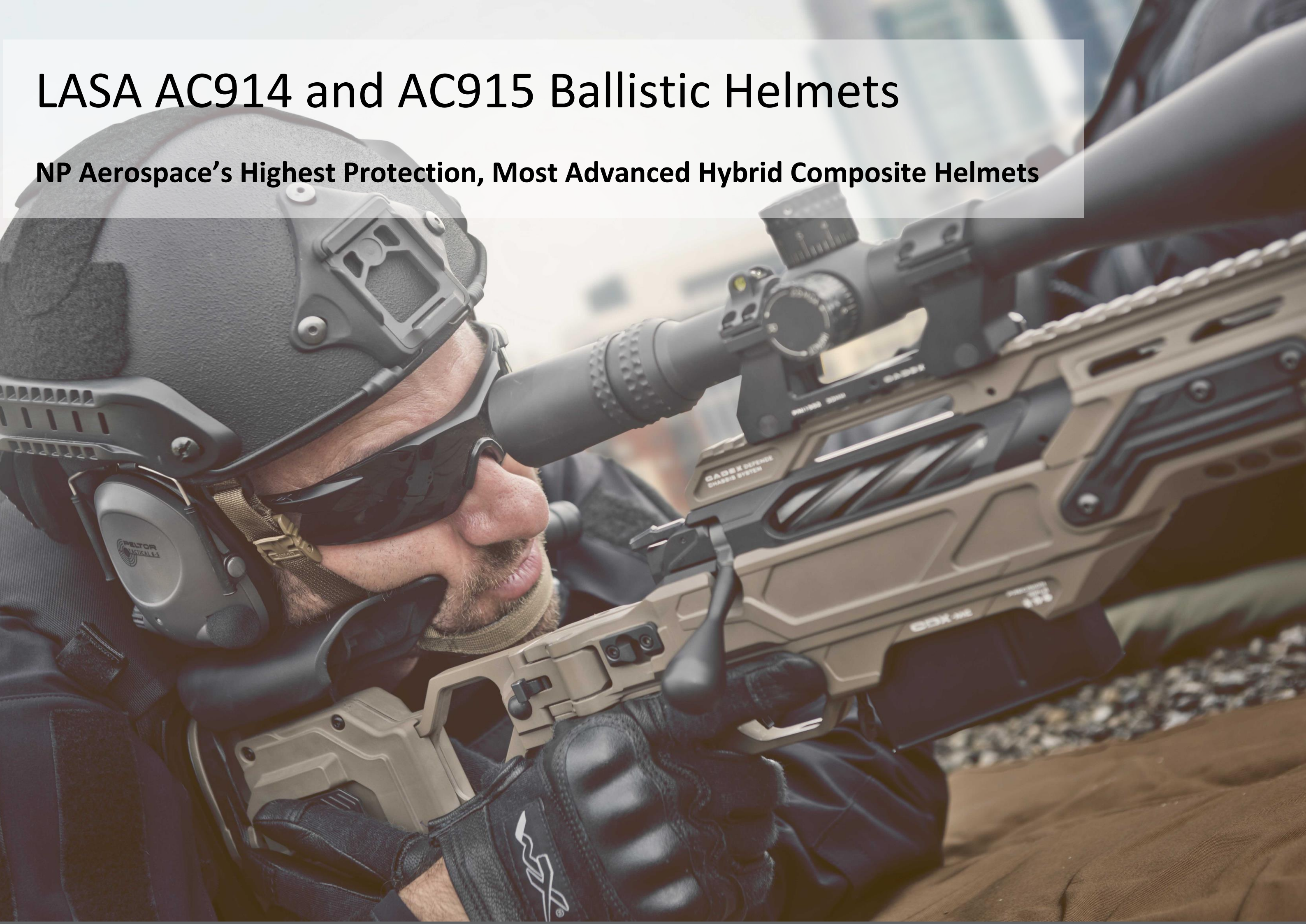
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LASA AC914 and AC915 Ballistic Helmets

NP Aerospace's Highest Protection, Most Advanced Hybrid Composite Helmets



LASA AC915 High Cut Ballistic Helmet



Helmets available with or without tactical add-ons

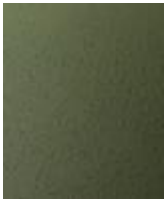
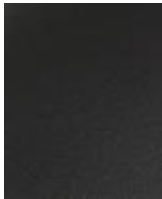

The LASA AC915 is NP Aerospace’s latest ultra-lightweight high cut tactical ballistic helmet, compliant with NIJ 0106.01. It combines NP Aerospace’s hybrid ballistic helmet shell and optional tactical add-ons with CAM-FIT™ H-Back Combat chinstraps and D3O’s blunt impact protection.

Key helmet features include:

- NP Aerospace’s ultra-lightweight ballistic helmet shell delivering outstanding ballistic, fragmentation, flammability and blunt trauma protection
- Integration of renowned class leading D3O TRUST® padding and CAM-FIT™ H-Back Combat retention systems for comfort and stability in enduring missions
- Available in three sizes which fit 1st percentile female and up to 98th percentile male
- Available with lightweight open architecture side rails, bungees and a 3-hole NVG shroud for mounting tactical accessories including lights, hearing protection/comms, strobes, cameras, night vision goggles and mounts, HAHO/HALO O₂ masks and CBRN/Gas Masks

The LASA AC915 utilises the latest helmet technology from NP Aerospace, a world leader in composite ballistic materials and battle proven helmets for the past 40 years, delivering over one million helmets to customers worldwide.

Note: For warranty, use and care details see Ordering Information on back page of brochure

Ballistic Performance and Technical Specifications				
Fragmentation and Ballistic Protection	17 gr FSP V ₅₀	16 gr Sphere V ₅₀	9mm FMJ Vproof	Ballistic Testing Development and Quality Assurance undertaken 'in-house' at the Coventry UK Test Laboratory. UK MOD and ISO 9001 approved Test Range. Comparative Testing undertaken with Internationally recognised Test Houses
	>735 m/s	> 620 m/s	436 m/s	
NIJ Compliance	NIJ 0106.01 compliant: NIJ Level 2 (9mm, .357 Mag), NIJ Level 3A (.44 Mag)			
Compression Resistance	Front to back	Side to Side	Top to Bottom	
	1100N	1100N	1500N	
Shell Flammability Protection*	Flammability protection to CAN/CSA 22.2 Test A and B *Available on request			Quality Assurance Approval ISO 9001
Blunt Trauma Protection	Exceeds U.S. Army 10 fps ACH impact standards using D3O® Ambient, High & Low Temperature Performance (-10°C, +53°C)			
Colours	Olive Green	Black	Desert Tan	Lab Competence, Calibration and Testing Approval ISO 17025 UKAS Accreditation
				
				Impact assessments conducted with BS EN 960: 1995 head form size J for medium helmets. Fitment assessments conducted with BS EN 960: 1995 head form size E for small helmets, head form size J for medium helmets and head form size M for large helmets.

Size	AC915 Helmet Weight		Helmet Sizing			Coverage	
	Helmet Only	Helmet with NVG Shroud, Rails and Bungees	Circumference	Length	Width	Surface Area	Head Coverage
Small	1.08 kg	1.23 kg	530 – 570mm	up to 190mm	up to 155mm	899cm ²	507cm ²
Medium	1.10 kg	1.26 kg	560 - 600mm	190 – 200mm	155 – 165mm	958cm ²	577cm ²
Large	1.17 kg	1.31 kg	590 – 640mm	200 – 210mm	165 – 175mm	1058cm ²	628cm ²

Note: Weight tolerance ± 5%



CAM-FIT™ H-Back Retention System


Fully Adjustable D3O TRUST® padding

Optional Open Architecture side rails

Optional lightweight NVG shroud

LASA AC914 Full Cut Ballistic Helmet





9% improved ballistic performance* at 17% lighter weight in comparison to the US Army ACH

*17 gr FSP v50



Helmets available with or without tactical add-ons

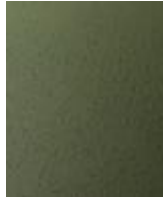
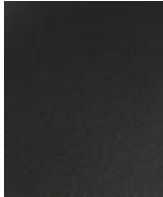
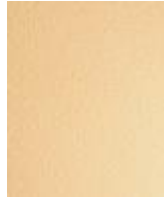
The LASA AC914 is NP Aerospace’s most advanced ultra-lightweight full cut ballistic helmet for combat operations, compliant with NIJ 0106.01. It combines NP Aerospace’s hybrid ballistic helmet shell and optional tactical add-ons with CAM-FIT™ H-Back Combat chinstraps and D3O’s blunt impact protection.

Key helmet features include:

- NP Aerospace’s ultra-lightweight ballistic helmet shell delivering outstanding ballistic, fragmentation, flammability and blunt trauma protection
- Integration of renowned class leading D3O TRUST® padding and CAM-FIT™ H-Back Combat retention systems for comfort and stability in enduring missions
- Available in three sizes which fit 1st percentile female and up to 98th percentile male
- Available with lightweight open architecture side rails, bungees and a 3-hole NVG shroud for mounting tactical accessories including lights, hearing protection/comms, strobes, cameras, night vision goggles and mounts, HAHO/HALO O₂ masks and CBRN/Gas Masks

The LASA AC914 utilises the latest helmet technology from NP Aerospace, a world leader in composite ballistic materials and battle proven helmets for the past 40 years, delivering over one million helmets to customers worldwide.

For warranty, use and care details see Ordering Information on back page of brochure

Ballistic Performance and Technical Specifications				
Fragmentation and Ballistic Protection	17 gr FSP V ₅₀	16 gr Sphere V ₅₀	9mm FMJ Vproof	Ballistic Testing Development and Quality Assurance undertaken ‘in-house’ at the Coventry UK Test Laboratory. UK MOD and ISO 9001 approved Test Range. Comparative Testing undertaken with Internationally recognised Test Houses Quality Assurance Approval ISO 9001 Lab competence, calibration and testing Approval ISO 17025 UKAS Accreditation Impact assessments conducted with BS EN 960: 1995 head form size J for medium helmets. Fitment assessments conducted with BS EN 960: 1995 head form size E for small helmets, head form size J for medium helmets and head form size M for large helmets.
	>735 m/s	> 620 m/s	436 m/s	
NIJ Compliance	NIJ 0106.01 compliant: NIJ Level 2 (9mm, .357 Mag), NIJ Level 3A (.44 Mag)			
Compression Resistance	Front to back	Side to Side	Top to Bottom	
	1100N	1100N	1500N	
Shell Flammability Protection*	Flammability protection to CAN/CSA 22.2 Test A and B *Available on request			
Blunt Trauma Protection	Exceeds U.S. Army 10 fps ACH impact standards using D30® Ambient, High & Low Temperature Performance (-10°C, +53°C)			
Colours	Olive Green	Black	Desert Tan	
				

Size	AC914 Helmet Weight		Helmet Sizing			Coverage	
	Helmet Only	Helmet with NVG Shroud, Rails and Bungees	Circumference	Length	Width	Surface Area	Head Coverage
Small	1.22kg	1.37 kg	530 – 570mm	up to 190mm	up to 155mm	1068cm²	618cm²
Medium	1.25kg	1.40 kg	560 - 600mm	190 – 200mm	155 – 165mm	1140cm²	680cm²
Large	1.31kg	1.46 kg	590 – 640mm	200 – 210mm	165 – 175mm	1235cm²	750cm²

Note: Weight tolerance ± 5%



CAM-FIT™ H-Back Retention System



Fully Adjustable D3O TRUST® padding



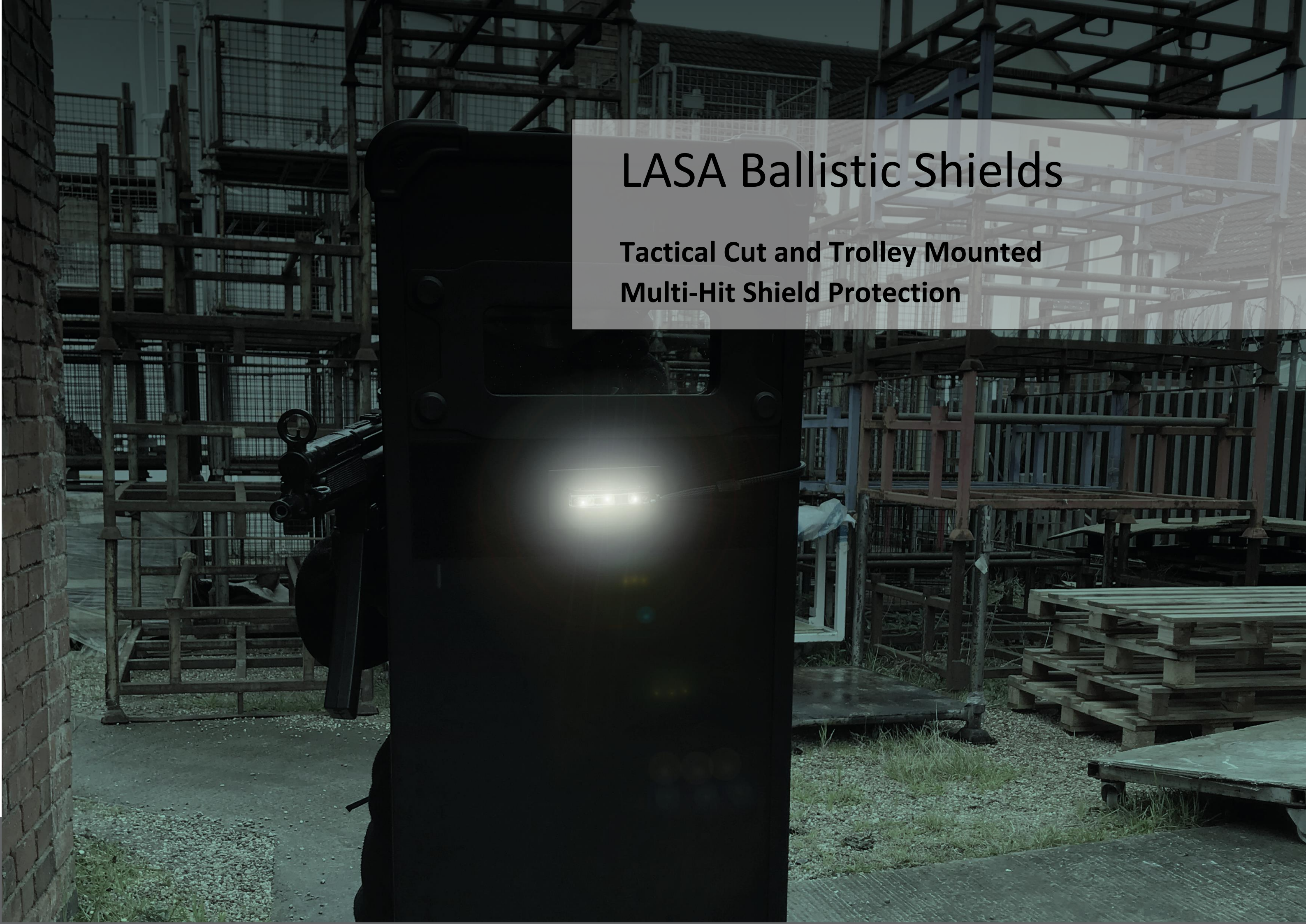
Optional Open Architecture side rails



Optional lightweight NVG shroud

LASA Ballistic Shields

**Tactical Cut and Trolley Mounted
Multi-Hit Shield Protection**



LASA Tactical Ballistic & Blast Shields

The NP Aerospace second generation shield range provides ballistic multi-hit and blast protection for high risk tactical teams to NIJ Level III+. A range of designs are available with or without viewports and weapon rests providing optimum maneuverability. Shields are designed for rugged operations and include lightweight ballistic composite handle systems.

Features

- NIJ 0108.01 Level III + special threats compliance to 7.62mm
- NATO Ball and 7.62mm M43 / M67
- Multi-hit performance - rifle and handgun rounds
- Blast fragmentation - 17 gr FSP V₅₀ >1400m/s
- Very lightweight protection at 16kg/m²
- Manufactured using hybrid composite ballistic material
- 5 unique sizes/shapes with or without weapon rests
- 50" radius single curved profile
- Adjustable ergonomic handle – single and dual handed operation
- Adjustable forearm strap - 5% female to 95% male elbow-to-grip
- Robust edge trim and corner protectors allowing for 1.25m drop
- Range of add-on-accessories e.g. RAID lighting systems
- Suspended shield panel reduces behind armour trauma
- Ladder Feature (for Large, Tactical-Small and Tactical-Large only)



Design Range

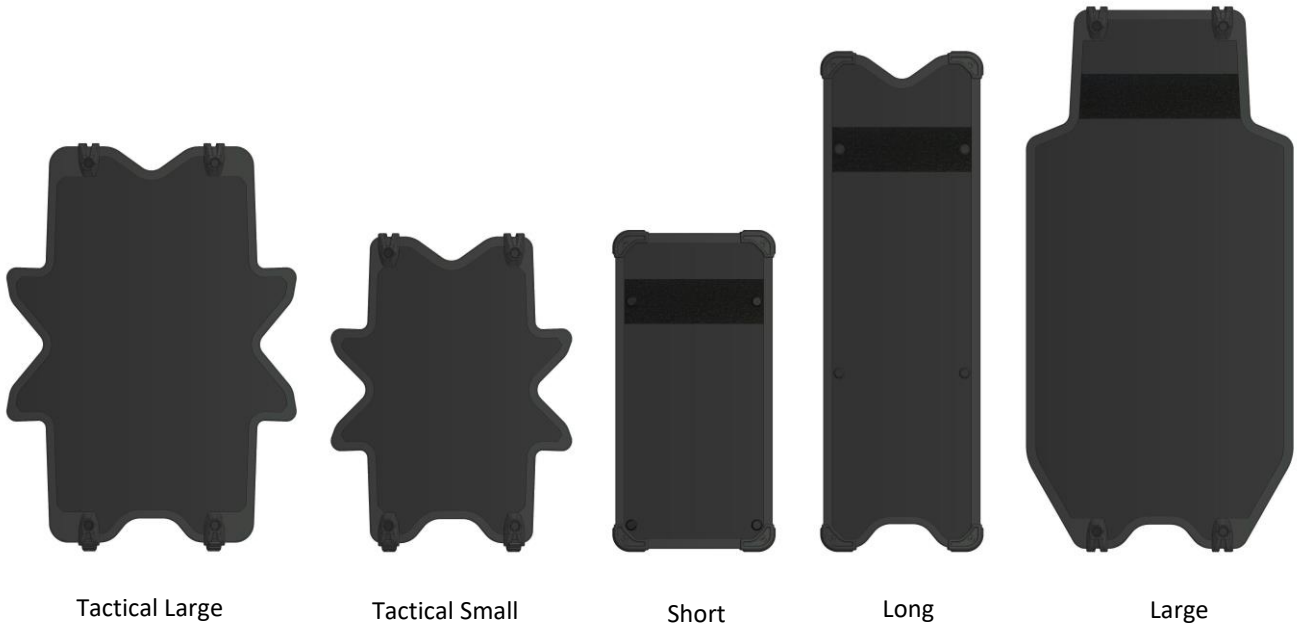
The range includes tactical cut shields in sizes small or large, designed to deliver enhanced ergonomics, user flexibility and overall weight reduction in addition to protection against 7.62mm and 5.56 rifle ball rounds and handguns. There is also a standard cut design in sizes short, long or large for use in a wide range of tactical scenarios.



Threat Protection

Product Line	NIJ Standard	Threats														Multi-Hit	Blast Fragmentation		
		Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats							Level 4 + Special Threats						
		9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC (PS Ball)	7.62mm MSC (M43)	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API			7.62mm B32 API	7.62mm WCC
LASA Ballistic Shield Range	0108.01	✓	✓	✓	✓	✓	✓	✓	✓	+								Exceeds NIJ	17gr FSP V ₅₀ >1400m/s

✓: IAW NIJ 0108.01; ‡: IAW NIJ 0108.01 at reduced velocity



LASA Tactical Ballistic & Blast Shields

NP Aerospace second generation shields include a range of design options from ladder rails and Ergo handles to lights and cameras according to the user environment.

Options & Accessories

Shield	NIJ 0108.01 Level III Viewport (245x95mm)	Ergo Handle	Stiffness Ladder Rails	Extrem' Vision LB1 RAID Lighting	Extrem' Vision LBI1 RAID Lighting	Extrem' Vision MV5 + DN Camera	Extrem' Vision MV8 + DN Camera
Short		✓	✓	✓	✓	✓	
Long		✓	✓	✓	✓	✓	✓
Large		✓	✓	✓	✓	✓	✓
Large with Viewport	✓	✓	✓	✓	✓		
Tactical – Small		✓	✓	✓	✓	✓	✓
Tactical - Large		✓	✓	✓	✓	✓	✓
Tactical – Large with Viewport	✓	✓	✓	✓	✓		



Rugged corner protectors



Attachment points



Extrem' Vision LBI1 RAID Lighting

Weights & Dimensions

Name	Part Number	Height	Width	Weight	Protection Coverage
Short	51653-456	705 mm	355 mm	5.7kg	2,445 cm²
Long	51654-456	1,105 mm	355 mm	7.7 kg	3,710 cm²
Large	51655-456	1,205 mm	605 mm	13.5 kg	6,362 cm²
Large with Viewport	51655-456V	1,205 mm	605 mm	15.0 kg	6,362 cm²
Tactical – Small	51729-456	715 mm	590 mm	8.3 kg	2,900 cm²
Tactical - Large	51730-456	915 mm	690 mm	10.8 kg	4,300 cm²
Tactical – Large with Viewport	51730-456V	915 mm	690 mm	12.3 kg	4,300 cm²

Note: Weight tolerance ± 10%. For warranty, use and care details see Ordering Information on back page of brochure.



LASA Handheld Ballistic Shields

NP Aerospace offers a portfolio of handheld ballistic shields to meet the varied needs of modern combat and law enforcement personnel. Constructed using latest generation ultra-lightweight, durable and buoyant composite technology, each shield delivers outstanding protection to NIJ 0108.01 Level III plus a range of additional special threats.

The range of handheld shields varies from lightweight tactical shields to protect the user’s upper body, to larger shields providing full body coverage.

TESTING STANDARD	NIJ 0108.01
PROTECTION LEVEL	Special Threats (see below)
THREATS AND SPECIAL THREATS	7.62 x 51mm 149gr M80 FMJ 5.56 x 45mm 55gr Ball (M193)* 7.62 x 39mm 123gr PS Ball (Mild Steel Core)
CONFIGURATION	Operational Variant and Training (Non-Ballistic) Variant
SHIELD THICKNESS	16±1 mm
AREAL WEIGHT (PANEL)	16.0 kg/m²
CURVATURE	Flat
COVER	Painted with corner protection, Fabric Cover also available

SIZES AND WEIGHTS (STANDARD OPTIONS)	Shield	Width (mm)	Height (mm)	Weight (kg) (with Cover)	Coverage (cm²)	Part Number
	Standard Short	500	600	6.5	3000	49154-333
	Narrow Short	400	800	6.9	3200	47070-333
	Standard Medium	500	1000	10.1	5000	47072-333
	Narrow Long	400	1550	12.2	6200	47071-333
	Standard Long	500	1550	14.5	7750	47073-333

Note: Weight tolerance ± 10%



Core Benefits

- Tested in accordance with NIJ 0108.01, LASA ballistic shields deliver outstanding protection, even if hit by multiple projectiles at NIJ Level III and the following special threats:
 - 7.62 x 51mm 149gr M80 FMJ
 - 5.56 x 45mm 55gr Ball (M193)
 - 7.62 x 39mm 123gr PS Ball (Mild Steel Core)
- At an areal density of just 16.0 kg/m2 and a nominal thickness of 16 mm, LASA Ballistic Shields are over 20% lighter than alternative solutions, enhancing user agility and reducing the effects of fatigue
- Impervious to water and rain, having successfully passed ballistic testing after being submerged for 24 hours
- An optional lightweight fabric cover, available in three colours, can be added for altering appearance for varying operational needs

Customised Solutions

As well as standard size options, LASA Ballistic Shields can be customised to meet specific customer requirements. LASA Ballistic Shields can be cut to a range of sizes. Enhanced capability, such as shooter’s curves and ballistic viewing windows can also be included.

For warranty, use and care details see Ordering Information on back page of brochure



Trolley Mounted LASA Shield System



For enhanced protection, endurance and mobility, NP Aerospace produces a trolley mounted shield system for its LASA Ballistic Shields, delivering multi-hit protection at NIJ 0108.01 Level III and special threats.

Featuring a cutting-edge design, the trolley mounted shield system is robust and agile, the unique design of the system ensures that shields can be quickly removed and reconnected to the trolley as required.

Key Benefits

- Strong stabilised chassis for optimum mobility and speed
- Works with 3x ‘Standard Long’ (155cm high x 50cm wide) ultra-lightweight LASA Ballistic Shields, delivering ultra-lightweight delivering multi-hit protection at NIJ 0108.01 Level III and special threats:
 - 7.62 x 51mm 149gr M80 FMJ
 - 5.56 x 45mm 55gr Ball (M193)
 - 7.62 x 39mm 123gr PS Ball (Mild Steel Core)
- The shields can be removed quickly and easily from the trolley for individual protection
- The shield trolley folds to minimal size for easy storage and transportation

Weights

Item	Weight (kg)	Weight (lbs)
Trolley only	32.7	72
Trolley with 3x 155cm high x 50cm wide LASA Ballistic Shields	77.2	170.2
Trolley with 3x 155cm high x 50cm wide LASA Ballistic Shields with protective covers	78.4	172.8

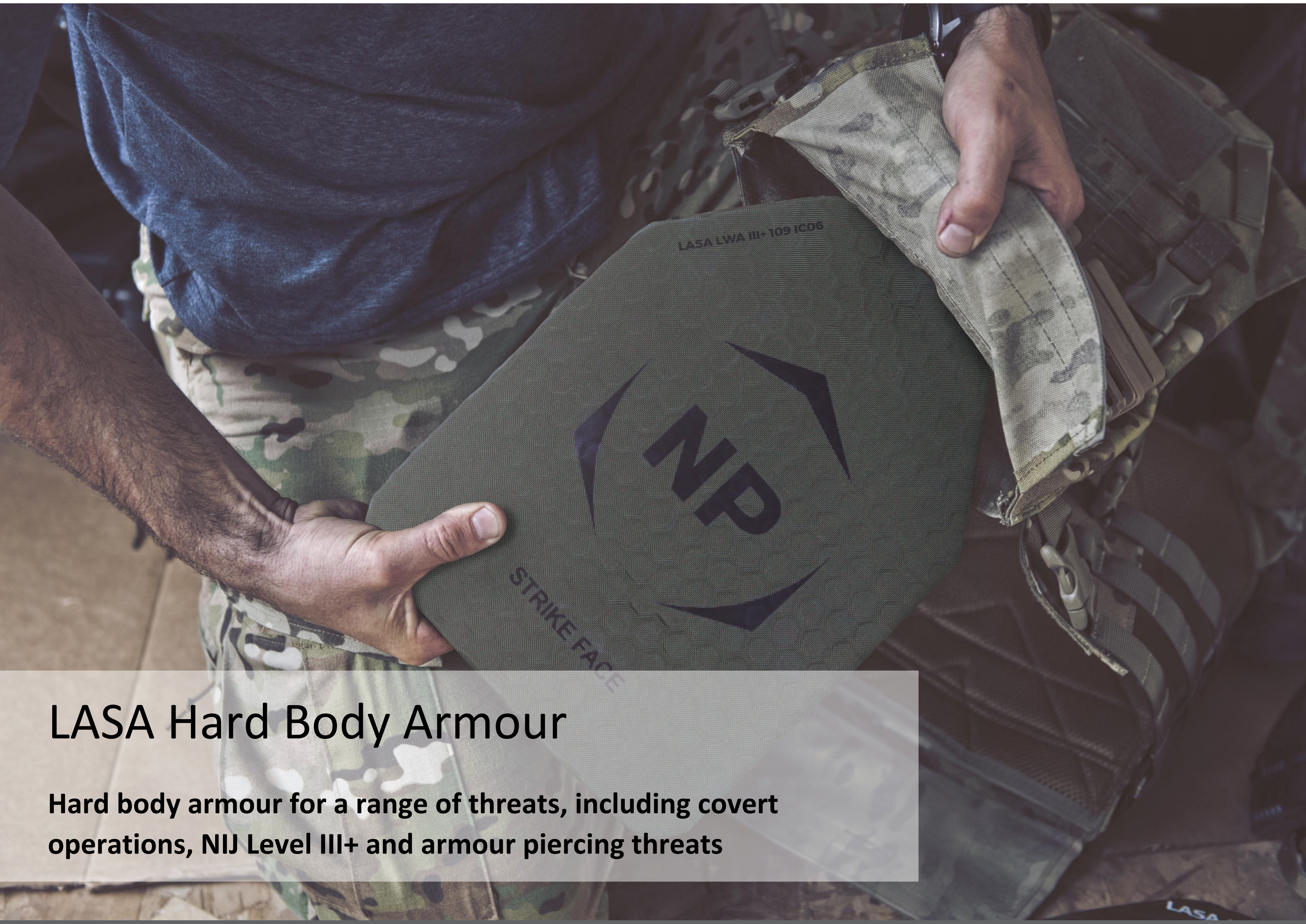
Dimensions

Item	Height (cm)	Length (cm)	Depth (cm)
Trolley only (closed)	41	62	87
Trolley with 3x 155cm high x 50cm wide LASA® Ballistic Shields (closed)	162	62	87
Trolley with 3x 155cm high x 50cm wide LASA Ballistic Shields (full width)	162	144	67

Note: For warranty, use and care details see Ordering Information on back page of brochure

Note: Weight tolerance ± 10%





LASA Hard Body Armour

Hard body armour for a range of threats, including covert operations, NIJ Level III+ and armour piercing threats

LASA Hard Body Armour - Overview

NP Aerospace’s suite of hard body armour delivers ultra-lightweight protection against a range of ammunition. The portfolio is split between a variety of standalone and in-conjunction with plates for discreet covert operations, NIJ Level III and special threats, as well as body armour to stop specifically identified armour piercing rounds.

Product Line	NIJ Standard	Config	Threats															Multi Hit	Weight per medium plate (kg)	Weight per medium plate (lb)
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats						Level 4 + Special Threats							
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API	7.62mm B32 API	7.62mm WCC			
LWB Covert IC06	101.06	IC ₁	✓	✓	✓	✓	†	✓	✓	†‡								3	0.86	1.90
LWB Covert SA06	101.06	SA	✓	✓	✓	✓	†	✓	✓	†‡								3	0.91	2.01
LWB III+ IC06	101.06 (Certified)	IC ₁	✓	✓	✓	✓	✓	✓	✓	†‡								6	1.02	2.25
LWB III+ SA06	101.06	SA	✓	✓	✓	✓	✓	✓	✓	†‡								6	1.08	2.33
LWA III+ 109 IC06	101.06 (Certified)	IC _{1,2}	✓	✓	✓	✓	✓	✓	✓	†‡	✓	✓	✓					6	1.67	3.68
LWA III+ 109 IC06 Alumina	101.06	IC _{1,2}	✓	✓	✓	✓	✓	✓	✓	†‡	✓	✓	✓					6	1.80	3.97
LWA IV- SA04	101.04	SA	✓	✓	✓	✓	†	✓	✓	†	✓	✓	✓		✓			2	2.02	4.45
LWA IV- SA06	101.06	SA	✓	✓	✓	✓	†	✓	✓	†	✓	✓	✓		✓			2	2.16	4.76
LWA IV+ SA04	101.04	SA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		1	2.35	5.18
LWA IV+ SA06	101.06	SA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		1	2.49	5.49
LWA IV SA06	101.06	SA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1	3.01	6.63
IC: In Conjunction; SA: Stand Alone; ₁ : With approved Soft Armor; ₂ : With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; †: Stops round, exceeds NIJ BFD; ‡: IAW NIJ 0101.06 at reduced velocity																				

Note: Weight tolerance ± 10%



LASA Covert Series

- Discreet protection to fit under standard clothing
- Multi-hit protection against special threats
- Stand alone and in-conjunction-with hard body armour
- Tested in accordance with NIJ 0101.06



LASA LWB Covert IC06 Plate

Product Line	NIJ Standard	Config	Threats															
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats					Level 4 + Special Threats				Multi-Hit		
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API		7.62mm B32 API	7.62mm WCC
LWB Covert IC06	0101.06	IC ₁	✓	✓	✓	✓	†	✓	✓	†‡								3
IC: In Conjunction; SA: Stand Alone; ₁ : With approved Soft Armour; ₂ : With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; †: Stops round, exceeds NIJ BFD; ‡: IAW NIJ 0101.06 at reduced velocity																		

The LASA LWB Covert IC06 ballistic insert provides ultra-discreet high-impact protection against special threats for use in situations where the user needs to blend in. Designed to be ultra-lightweight and inconspicuous, the LASA LWB Covert IC06 is thin and shaped to conform to the user’s body to reduce the appearance of a plate under normal clothing.



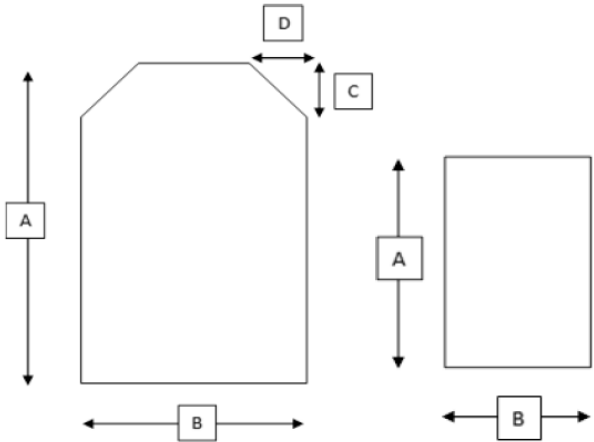
- NP Aerospace’s thinnest plate
- Fits under standard clothing
- Weighs just 0.86 kg per hard armour plate (medium plate)
- Fully buoyant
- Works with approved soft armour

PRODUCT NAME	LASA LWB Covert IC06
APPLICATION	Concealable Body Armour, External Carriers, Plates Carriers and Tactical Body Armour
PROTECTION LEVEL	Special Threats (see below)
CONFIGURATION	In-Conjunction with NIJ Level II or above
PLATE THICKNESS	Main Area: 14mm +/- 1 Edges: tapers to 6±1 mm
AREAL WEIGHT	13.4 kg/m ²
BUOYANCY	Positive
CURVATURE	Multi-Curve
MATERIALS	UHMWPE
COVER	Ballistic Nylon
SHAPES AND SIZES	SAPI XS – XL available
THREATS AND SPECIAL THREATS	5.56 x 45mm 55gr Ball (M193)* 7.62 x 39mm 123gr PS Ball (Mild Steel Core)* *Special Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.06 and NP Aerospace Testing Protocol.

Sizes, Weights and Part Numbers

Size	Cut	DIMENSIONS (MM) [DIMS ± 5MM, THICKNESS ± 2MM]				WEIGHT	Part Numbers
		A	B	C	D	Kg	
140x140	Full	140	140			0.25	51418-334-140x140
6" x 6"	Full	152	152			0.30	51418-334-6"x6"
6" x 8"	Full	203	152			0.40	51418-334-6"x8"
7"x 8"	Full	203	178			0.48	51418-334-7"x8"
XS	Shooter	292	184	76	44	0.59	49394-334
S	Shooter	298	222	78	52	0.75	49395-334
M	Shooter	312	241	83	57	0.86	49396-334
L	Shooter	337	260	87	62	1.02	49397-334
XL	Shooter	356	279	92	67	1.17	49398-334

Note: Weight tolerance ± 10%



NP Aerospace Limited Warranty, Use and Care:

NP Aerospace Limited warrants, for a period of sixty (60) months after the “date of issue” that the Hard Armour Solutions shall be free from defects in material and workmanship provided all products are used and maintained in accordance with NP Aerospace’s Use and Care Manual. A copy of the NP Aerospace Limited Warranty and Use & Care Manual is included with every product. Warranty information can also be found at our website: www.npaerospace.com

LASA LWB Covert SA06 Plate

Product Line	NIJ Standard	Config	Threats															Multi-Hit
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats						Level 4 + Special Threats					
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API	7.62mm B32 API	7.62mm WCC	
LWB Covert SA06	0101.06	SA	✓	✓	✓	✓	†	✓	✓	†‡								3
IC: In Conjunction; SA: Stand Alone; †: With approved Soft Armor; ‡: With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; †: Stops round, exceeds NIJ BFD; ‡: IAW NIJ 0101.06 at reduced velocity																		

The LASA LWB Covert SA06 ballistic insert provides discreet ballistic protection against special threats for use in situations where the user needs to blend in. Designed to be ultra-lightweight and inconspicuous, the LASA LWB Covert SA06 is thin and shaped to conform to the user’s body to reduce the appearance of a plate under normal clothing.



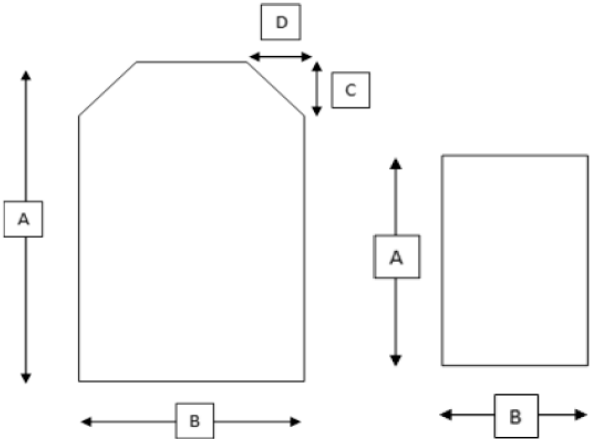
- Fits under standard clothing
- Weighs just 0.91 kg per hard armour plate (medium plate)
- Fully buoyant
- Standalone hard armour plate – no additional soft armour required

PRODUCT NAME	LASA LWB Covert SA06
APPLICATION	Stand Alone Body Armour
PROTECTION LEVEL	Special Threats (see below)
CONFIGURATION	Stand-alone
PLATE THICKNESS	Main Area: 21mm +/- 1 Edges: tapers to 10±1 mm
AREAL WEIGHT	14.2 kg/m²
PLATE MASS (MEDIUM)	0.91 kg (medium plate)
BUOYANCY	Positive
CURVATURE	Multi-Curve
MATERIALS	UHMWPE, Foam
COVER	Ballistic Nylon
SHAPES AND SIZES	SAPI XS – XL available
THREATS AND SPECIAL THREATS	5.56 x 45mm 55gr Ball (M193)* 7.62 x 39mm 123gr PS Ball (Mild Steel Core)* *Special Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.06 and NP Aerospace Testing Protocol.

Sizes, Weights and Part Numbers

Size	Cut	DIMENSIONS (MM)				WEIGHT	Part Numbers
		[DIMS ± 5MM, THICKNESS ± 2MM]				Kg	
		A	B	C	D		
XS	Shooter	292	184	76	44	0.63	47456-334
S	Shooter	298	222	78	52	0.80	47457-334
M	Shooter	312	241	83	57	0.91	47458-334
L	Shooter	337	260	87	62	1.08	47459-334
XL	Shooter	356	279	92	67	1.24	47460-334

Note: Weight tolerance ± 10%



NP Aerospace Limited Warranty, Use and Care:

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LASA III+ Series

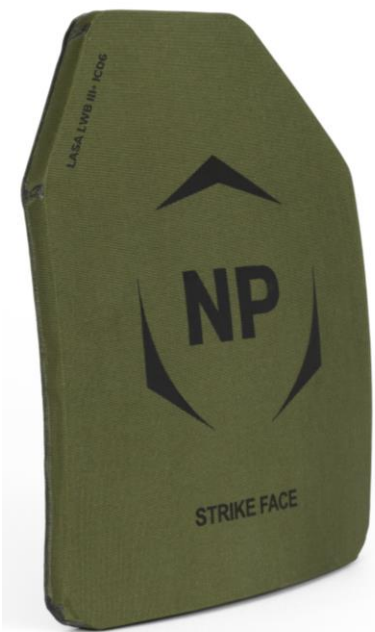
- Solutions for NIJ Level III, special threats and 'Green Tip' SS109 ammunition
- Stand alone and In-Conjunction with options
- Both the LASA LWB III+ IC06 and LASA LWB III+ SA06 plates are positively buoyant

LASA LWB III+ IC06 Lightweight Buoyant Hard Armour Plate

Product Line	NIJ Standard	Config	Threats														Multi-Hit
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats						Level 4 + Special Threats				
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API	7.62mm B32 API	
LWB III+ IC06	0101.06 (Certified)	IC ₁	✓	✓	✓	✓	✓	✓	‡								6

IC: In Conjunction; SA: Stand Alone; ₁: With approved Soft Armor; ₂: With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; †: Stops round, exceeds NIJ BFD; ‡: IAW NIJ 0101.06 at reduced velocity

The LWB III+ IC06 hard armour plate delivers ultra-lightweight multi-hit protection against NIJ Level III and special threats.



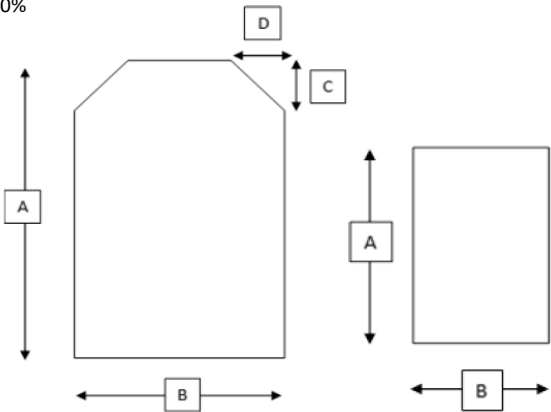
- Certified to NIJ 0101.06 NIJ Level III
- Weighs 1.02 kg per hard armour plate (medium plate)
- Fully buoyant
- Works with approved soft armour

PRODUCT NAME	LASA LWB III+ IC06
APPLICATION	Concealable Body Armor, External Carriers, Plates Carriers and Tactical Body Armour
TESTING STANDARD	NIJ 0101.06
PROTECTION LEVEL	Special Threats (see below) and Certified to NIJ 0101.06 Level III
CONFIGURATION	In-Conjunction with NIJ Level II or above
PLATE THICKNESS	21 mm
AREAL WEIGHT	14.2 kg/m ²
BUOYANCY	Positive
CURVATURE	Multi-Curve
MATERIALS	UHMWPE
COVER	Ballistic Nylon
SHAPES AND SIZES	SAPI XS – XL available
THREATS AND SPECIAL THREATS	7.62 x 51mm 149gr M80 FMJ 5.56 x 45mm 55gr Ball (M193)* 7.62 x 39mm 123gr PS Ball (Mild Steel Core)* *Special Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.06 and NP Aerospace Testing Protocol.

Sizes, Weights and Part Numbers

Size	Cut	DIMENSIONS (MM)				WEIGHT	Part Numbers
		[DIMS ± 5MM, THICKNESS ± 2MM]					
		A	B	C	D	Kg	
140x140	Full	140	140			0.26	51420-334-140x140
6" x 6"	Full	152	152			0.32	51420-334-6"x6"
6" x 8"	Full	203	152			0.43	51420-334-6"x8"
7" x 8"	Full	203	178			0.51	51420-334-7"x8"
8" x 10"	Shooter	248	197	78	52	0.64	51622-334-8"x10"
10" x 12"	Shooter	299	248	83	57	0.99	51622-334-10"x12"
XS	Shooter	292	184	76	44	0.72	48202-334
S	Shooter	298	222	78	52	0.90	48204-334
M	Shooter	312	241	83	57	1.02	48206-334
L	Shooter	337	260	87	62	1.19	48208-334
XL	Shooter	356	279	92	67	1.36	48210-334

Note: Weight tolerance ± 10%



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LASA LWB III+ SA06 Lightweight Buoyant Hard Armour Plate

Product Line	NIJ Standard	Config	Threats														Multi-Hit	
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats						Level 4 + Special Threats					
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API	7.62mm B32 API		7.62mm WCC
LWB III+ SA06	0101.06	SA	✓	✓	✓	✓	✓	✓	‡									6
IC: In Conjunction; SA: Stand Alone; 1: With approved Soft Armor; 2: With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; ‡: Stops round, exceeds NIJ BFD; ‡: IAW NIJ 0101.06 at reduced velocity																		

The LWB III+ SA06 hard armour plate delivers ultra-lightweight multi-hit protection against NIJ Level III and special threats.



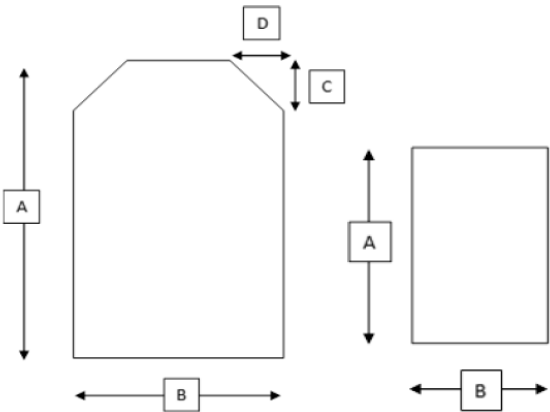
- Tested against NIJ 0101.06 specification
- Weighs 1.08 kg per hard armour plate (medium plate)
- Fully buoyant
- Standalone hard armour plate – no additional soft armour required

PRODUCT NAME	LASA LWB III+ SA06
APPLICATION	Standalone Body Armour
TESTING STANDARD	In accordance with NIJ 0101.06
PROTECTION LEVEL	Special Threats (see below) and tested in accordance with NIJ 0101.06 Level III
CONFIGURATION	Stand Alone
PLATE THICKNESS	27 mm
AREAL WEIGHT	14.7 kg/m ²
BUOYANCY	Positive
CURVATURE	Multi-Curve
MATERIALS	UHMWPE
COVER	Ballistic Nylon
SHAPES AND SIZES	SAPI XS – XL available
THREATS AND SPECIAL THREATS	7.62 x 51mm 149gr M80 FMJ 5.56 x 45mm 55gr Ball (M193)* 7.62 x 39mm 123gr PS Ball (Mild Steel Core)* *Special Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.06 and NP Aerospace Testing Protocol.

Sizes, Weights and Part Numbers

Size	CUT	DIMENSIONS (MM) [DIMS ± 5MM, THICKNESS ± 2MM]				WEIGHT	Part Numbers
		A	B	C	D	Kg	
140x140	Full	140	140			0.27	51428-334-140x140
6" x 6"	Full	152	152			0.33	51428-334-6"x6"
6" x 8"	Full	203	152			0.44	51428-334-6"x8"
7" x 8"	Full	203	178			0.52	51428-334-7"x8"
8" x 10"	Shooter	248	197	78	52	0.68	51623-334-8"x10"
10" x 12"	Shooter	299	248	83	57	1.03	51623-334-10"x12"
XS	Shooter	292	184	76	44	0.75	48304-334
S	Shooter	298	222	78	52	0.93	48305-334
M	Shooter	312	241	83	57	1.08	48306-334
L	Shooter	337	260	87	62	1.24	48307-334
XL	Shooter	356	279	92	67	1.41	48308-334

Note: Weight tolerance ± 10%



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LASA LWA III+ 109 IC06 Lightweight Hard Armour Plate

Product Line	NIJ Standard	Config	Threats													Multi-Hit	
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats					Level 4 + Special Threats					
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API		7.62mm B32 API
LWA III+ 109 IC06	0101.06	IC 1,2	✓	✓	✓	✓	✓	✓	†‡	✓	✓	✓					6
IC: In Conjunction; SA: Stand Alone; 1: With approved Soft Armor; 2: With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; †: Stops round, exceeds NIJ BFD; ‡: IAW NIJ 0101.06 at reduced velocity																	

The LWA III+ 109 IC0 hard armour plate delivers ultra-lightweight multi-hit protection against NIJ Level III, SS109 ‘Green Tip’ ammunition and special threats.



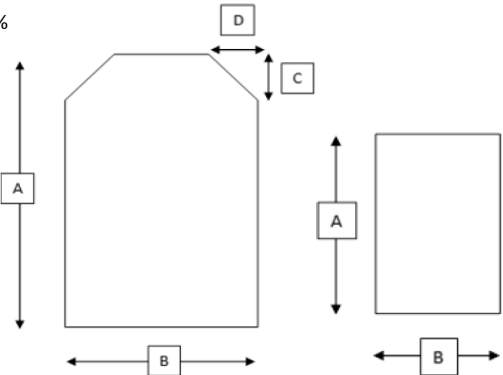
- Tested against NIJ 0101.06 specification
- Stops ‘Green Tip’ SS109 Ammunition
- Tested to NIJ 0101.06 against NIJ Level III
- Weighs 1.67 kg per hard armour plate (medium plate)
- Works with approved soft armour

PRODUCT NAME	LASA LWA III+ 109 IC06
APPLICATION	Concealable Body Armor, External Carriers, Plates Carriers and Tactical Body Armour
TESTING STANDARD	NIJ 0101.06*
PROTECTION LEVEL	Special Threats (see below) and tested IAW NIJ 0101.06 Level III
CONFIGURATION	In-Conjunction with soft armour of protection level NIJ Level IIIa
PLATE THICKNESS	22 mm
PLATE MASS (MEDIUM)	1.67 kg
AREAL WEIGHT	24.5 kg/m²
CURVATURE	Multi-Curve
MATERIALS	Ceramic and UHMWPE Composite
COVER	Ballistic Nylon
SHAPES AND SIZES	SAPI – shooters cut
THREATS AND SPECIAL THREATS	7.62 x 51mm 149gr M80 FMJ* 7.62 x 39mm 123gr PS Ball (Mild Steel Core)* 5.56 x 45mm 62gr Ball (M855/SS109)* *Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.06 and NP Aerospace Testing Protocol.

Sizes, Weights and Part Numbers

Size	CUT	DIMENSIONS (MM) [DIMS ± 5MM, THICKNESS ± 2MM]				WEIGHT	Part Numbers
		A	B	C	D	Kg	
140x140	Full	140	140			0.43	51421-334-140x140
6" x 6"	Full	152	152			0.52	51421-334-6"x6"
6" x 8"	Full	203	152			0.70	51421-334-6"x8"
7"x 8"	Full	203	178			0.83	51421-334-7"x8"
XS	Shooter	292	184	76	44	1.18	48249-334
S	Shooter	298	222	78	52	1.47	48250-334
M	Shooter	312	241	83	57	1.67	48043-334
L	Shooter	337	260	87	62	1.98	48251-334
XL	Shooter	356	279	92	67	2.23	48252-334

Note: Weight tolerance ± 10%



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LASA LWA III+ 109 IC06 Alumina Hard Armour Plate

Product Line	NIJ Standard	Config	Threats														Multi-Hit
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats						Level 4 + Special Threats				
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API	7.62mm B32 API	
LWA III+ 109 IC06 Alumina	0101.06	IC 1,2	✓	✓	✓	✓	✓	✓	‡	✓	✓	✓					6
IC: In Conjunction; SA: Stand Alone; 1: With approved Soft Armor; 2: With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; †: Stops round, exceeds NIJ BFD; ‡: IAW NIJ 0101.06 at reduced velocity																	

The LWA III+ 109 IC06 Alumina hard armour plate delivers ultra-lightweight multi-hit protection against NIJ Level III, SS109 ‘Green Tip’ ammunition and special threats.



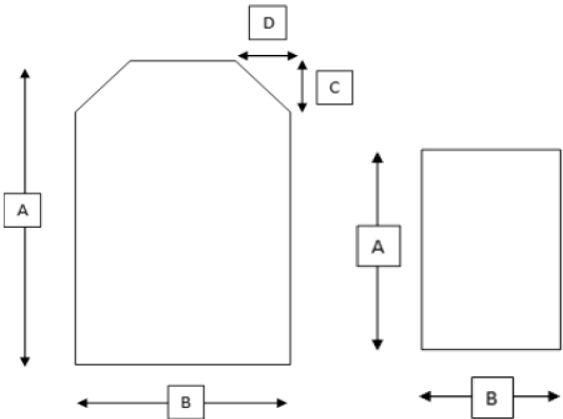
- Tested against NIJ 0101.06
- Stops ‘Green Tip’ SS109 Ammunition
- Tested to NIJ 0101.06 against NIJ Level III
- Weighs 1.76 kg per hard armour plate (size medium)
- Works with approved soft armour

PRODUCT NAME	LASA LWA III+ 109 IC06 Alumina
APPLICATION	Body Armour Plate
TESTING STANDARD	NIJ 0101.06*
PROTECTION LEVEL	Special Threats (see below) and tested IAW NIJ 0101.06 Level III
CONFIGURATION	In-Conjunction with soft armour of protection level NIJ Level IIIa
PLATE THICKNESS	23 mm
AREAL DENSITY	24.5 kg/m ²
CURVATURE	Multi-Curve
MATERIALS	Ceramic and UHMWPE Composite
COVER	Ballistic Nylon
SHAPES AND SIZES	SAPI – shooters cut
HS CODE	6217.90.90
THREATS AND SPECIAL THREATS	7.62 x 51mm 147gr M80 FMJ* 7.62 x 39mm 123gr PS Ball (Mild Steel Core)* 5.56 x 45mm 62gr Ball (M855/SS109)* *Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.06 and NP Aerospace Testing Protocol.

Sizes, Weights and Part Numbers

Size	CUT	DIMENSIONS (MM)				WEIGHT	Part Numbers
		[DIMS ± 5MM, THICKNESS ± 2MM]				Kg	
8" x 10"	Shooter	248	197	78	52	1.21	51468-334
10" x 12"	Shooter	300	248	83	57	1.77	51469-334
XS	Shooter	292	184	76	44	1.26	51478-334
S	Shooter	298	222	78	52	1.55	51479-334
M	Shooter	312	241	83	57	1.80	51480-334
L	Shooter	337	260	87	62	2.07	51481-335
XL	Shooter	356	279	92	67	2.36	51482-335

Note: Weight tolerance ± 10%



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LASA Special Threat Series

- Solutions for armour piecing threats, including BZ API and B32 API
- Standalone plates – no additional soft armour required
- Solutions for NIJ 0101.04 and NIJ 0101.06, the latter surpassing stringent NIJ drop test requirements

LASA LWA IV- SA04 Lightweight Hard Armour Plate

Product Line	NIJ Standard	Config	Threats														Multi-Hit
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats						Level 4 + Special Threats				
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API	7.62mm B32 API	
LWA IV-SA04	0101.04	SA	✓	✓	✓	✓	✓	✓	+	✓	✓	✓		✓			2
IC: In Conjunction; SA: Stand Alone; 1: With approved Soft Armor; 2: With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; †: Stops round, exceeds NIJ BFD; ‡: IAW NIJ 0101.06 at reduced velocity																	

The LWA IV- SA04 hard armour plate delivers ultra-lightweight multi-hit protection against BZ API, SS109 ‘Green Tip’ ammunition and special threats.



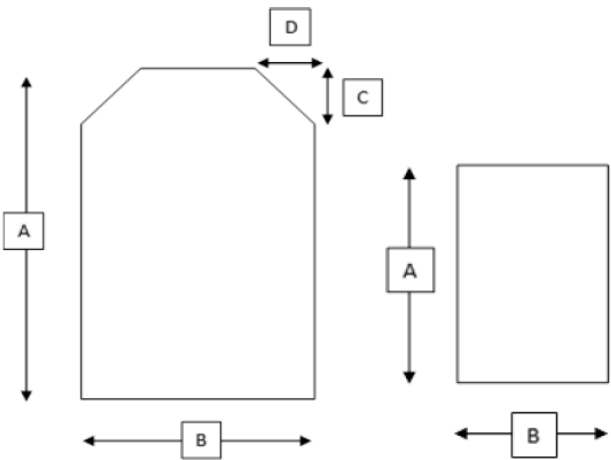
- Tested against NIJ 0101.04 specification
- Stops API BZ and ‘Green Tip’ SS109 Ammunition
- Tested to NIJ 0101.04
- Weighs 2.02 kg per hard armour plate (medium plate)
- Integrates NP Aerospace’s patented crack mitigation system
- Standalone hard armour plate – no additional soft armour required

PRODUCT NAME	LASA LWA IV- SA04
APPLICATION	Stand Alone Body Armour
TESTING STANDARD	In accordance with NIJ 0101.04
PROTECTION LEVEL	Special Threats (see below)
CONFIGURATION	Stand-Alone
PLATE THICKNESS	14.5 mm
AREAL WEIGHT	28.1 kg/m ²
PLATE MASS (MEDIUM)	2.02kg
CURVATURE	Multi-Curve
MATERIALS	Hybrid Ceramic, UHMWPE, CMS
COVER	Ballistic Nylon
SHAPES AND SIZES	“SAPI” XS – XL available
THREATS AND SPECIAL THREATS	7.62 x 39mm BZ API* 5.56 x 45mm SS109* 7.62 x 39mm PS Ball (Mild Steel Core)* *Special Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.04 and NP Aerospace Testing Protocol.

Sizes, Weights and Part Numbers

Size	CUT	DIMENSIONS (MM) [DIMS ± 5MM, THICKNESS ± 2MM]				WEIGHT	Part Numbers
		A	B	C	D	Kg	
140x140	Full	140	140			0.52	51404-334-140x140
6" x 6"	Full	152	152			0.63	51404-334-6"x6"
6" x 8"	Full	203	152			0.85	51404-334-6"x8"
7" x 8"	Full	203	178			1.00	51404-334-7"x8"
XS	Shooter	292	184	76	44	1.43	47461-334
S	Shooter	298	222	78	52	1.78	47462-334
M	Shooter	312	241	83	57	2.02	47252-334
L	Shooter	337	260	87	62	2.37	47464-334
XL	Shooter	356	279	92	67	2.70	47465-334

Note: Weight tolerance ± 10%



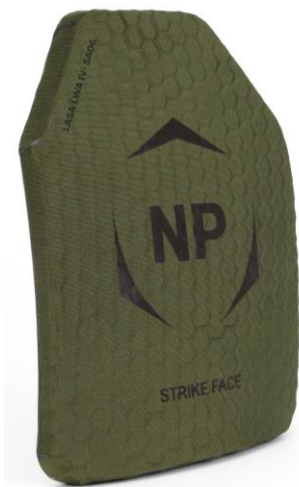
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LASA LWA IV- SA06 Lightweight Hard Armour Plate

Product Line	NIJ Standard	Config	Threats														
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats					Level 4 + Special Threats				Multi-Hit	
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API		7.62mm B32 API
LWA IV-SA06	0101.06	SA	✓	✓	✓	✓	✓	✓	+	✓	✓	✓		✓			2
IC: In Conjunction; SA: Stand Alone; 1: With approved Soft Armor; 2: With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; +: Stops round, exceeds NIJ BFD; #: IAW NIJ 0101.06 at reduced velocity																	

The LWA IV- SA06 hard armour plate delivers ultra-lightweight multi-hit protection against BZ API, SS109 ‘Green Tip’ ammunition and special threats. The plate also meets stringent drop test requirements as specified in the NIJ 0101.06 testing specification.



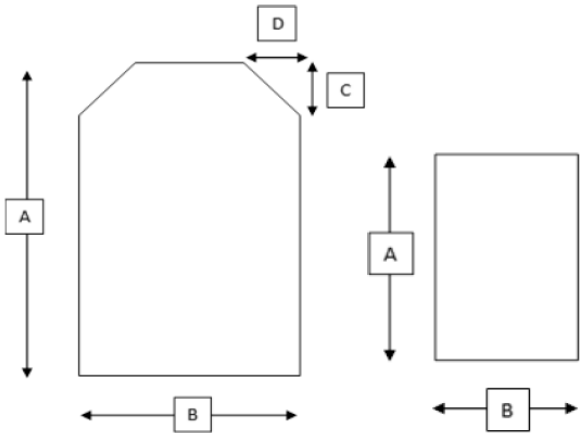
- Stops API BZ and ‘Green Tip’ SS109 Ammunition
- Tested to NIJ 0101.06 – meeting stringent drop test requirements
- Integrates NP Aerospace’s patented crack mitigation system
- Weighs 2.16 kg per hard armour plate (medium plate)
- Standalone hard armour plate – no additional soft armour required

PRODUCT NAME	LASA LWA IV- SA06
APPLICATION	Stand Alone Body Armour
TESTING STANDARD	In accordance with NIJ 0101.06
PROTECTION LEVEL	Special Threats (see below)
CONFIGURATION	Stand-Alone
PLATE THICKNESS	21mm
AREAL WEIGHT	30.1 kg/m²
PLATE MASS (MEDIUM)	2.16 kg
CURVATURE	Multi-Curve
MATERIALS	Hybrid Ceramic, UHMWPE, CMS
COVER	Ballistic Nylon
SHAPES AND SIZES	“SAPI” XS – XL available
THREATS AND SPECIAL THREATS	7.62 x 39mm BZ API* 5.56 x 45mm SS109* 7.62 x 39mm PS Ball (Mild Steel Core)* *Special Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.06 and NP Aerospace Testing Protocol.

Sizes, Weights and Part Numbers

Size	CUT	DIMENSIONS (MM)				WEIGHT	Part Numbers
		[DIMS ± 5MM, THICKNESS ± 2MM]				Kg	
		A	B	C	D		
140x140	Full	140	140			0.56	51409-334-140x140
6" x 6"	Full	152	152			0.67	51409-334-6"x6"
6" x 8"	Full	203	152			0.91	51409-334-6"x8"
7" x 8"	Full	203	178			1.07	51409-334-7"x8"
XS	Shooter	292	184	76	44	1.53	48666-334
S	Shooter	298	222	78	52	1.90	48667-334
M	Shooter	312	241	83	57	2.16	48668-334
L	Shooter	337	260	87	62	2.53	48669-334
XL	Shooter	356	279	92	67	2.89	48670-334

Note: Weight tolerance ± 10%



NP Aerospace Limited Warranty, Use and Care:

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LASA LWA IV+ SA04 Lightweight Hard Armour Plate

Product Line	NIJ Standard	Config	Threats														Multi-Hit
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats						Level 4 + Special Threats				
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API	7.62mm B32 API	
LWA IV+ SA04	0101.04	SA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		1
IC: In Conjunction; SA: Stand Alone; 1: With approved Soft Armor; 2: With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; †: Stops round, exceeds NIJ BFD; ‡: IAW NIJ 0101.06 at reduced velocity																	

The LWA IV+ SA04 hard armour plate delivers ultra-lightweight multi-hit protection against B32 API, BZ API, SS109 ‘Green Tip’ ammunition and other special threats.



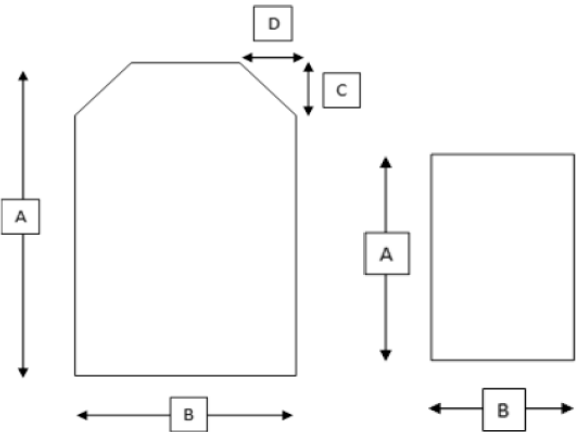
- Tested against NIJ 0101.04 specification
- Stops B32 API, API BZ and ‘Green Tip’ SS109 Ammunition
- Tested to NIJ 0101.04
- Weighs 2.35 kg per armour plate (medium plate)
- Integrates NP Aerospace’s patented crack mitigation system
- Standalone hard armour plate – no additional soft armour required

PRODUCT NAME	LASA LWA IV+ SA04
APPLICATION	Stand Alone Body Armour
TESTING STANDARD	In accordance with NIJ 0101.04
PROTECTION LEVEL	Special Threats (see below)
CONFIGURATION	Stand-Alone
PLATE THICKNESS	20 mm
AREAL WEIGHT	32.8 kg/m²
PLATE MASS (MEDIUM)	2.35 kg
CURVATURE	Multi-Curve
MATERIALS	Hybrid Ceramic, UHMWPE, CMS
COVER	Ballistic Nylon
SHAPES AND SIZES	“SAPI” XS – XL available
THREATS AND SPECIAL THREATS	7.62 x 54R API B32* *Special Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.04 and NP Aerospace Testing Protocol.

Sizes, Weights and Part Numbers

Size	CUT	DIMENSIONS (MM) [DIMS ± 5MM, THICKNESS ± 2MM]				WEIGHT	Part Numbers
		A	B	C	D	Kg	
140x140	Full	140	140			0.81	51411-334-140x140
6" x 6"	Full	152	152			0.73	51411-334-6"x6"
6" x 8"	Full	203	152			0.99	51411-334-6"x8"
7" x 8"	Full	203	178			1.17	51411-334-7"x8"
XS	Shooter	292	184	76	44	1.67	47466-334
S	Shooter	298	222	78	52	2.07	47467-334
M	Shooter	312	241	83	57	2.35	47468-334
L	Shooter	337	260	87	62	2.76	47469-334
XL	Shooter	356	279	92	67	3.14	47470-334

Note: Weight tolerance ± 10%



NP Aerospace Limited Warranty, Use and Care:

NP Aerospace Limited warrants, for a period of sixty (60) months after the “date of issue” that the Hard Armour Solutions shall be free from defects in material and workmanship provided all products are used and maintained in accordance with NP Aerospace’s Use and Care Manual. A copy of the NP Aerospace Limited Warranty and Use & Care Manual is included with every product. Warranty information can also be found at our website: www.npaerospace.com

LASA LWA IV+ SA06 Lightweight Hard Armour Plate

Product Line	NIJ Standard	Config	Threats														Multi-Hit
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats						Level 4 + Special Threats				
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API	7.62mm B32 API	
LWA IV+ SA06	0101.06	SA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		1
IC: In Conjunction; SA: Stand Alone; 1: With approved Soft Armor; 2: With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; †: Stops round, exceeds NIJ BFD; ‡: IAW NIJ 0101.06 at reduced velocity																	

The LWA IV+ SA06 hard armour plate delivers ultra-lightweight multi-hit protection against B32 API, BZ API, SS109 ‘Green Tip’ ammunition and other special threats. The plate also meets stringent drop test requirements as specified in the NIJ 0101.06 testing specification.



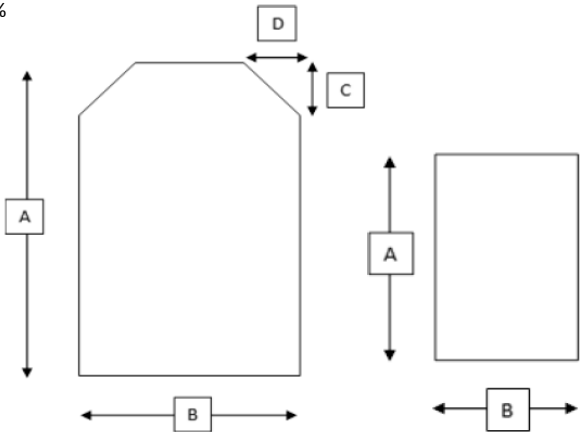
- Stops B32 API, API BZ and ‘Green Tip’ SS109 Ammunition
- Tested to NIJ 0101.06 – meeting stringent drop test requirements
- Integrates NP Aerospace’s patented crack mitigation system
- Weighs 2.5kg per hard armour plate (medium plate)
- Standalone hard armour plate – no additional soft armour required

PRODUCT NAME	LASA LWA IV+ SA06
APPLICATION	Stand Alone Body Armour
TESTING STANDARD	In accordance with NIJ 0101.06
PROTECTION LEVEL	Special Threats (see below)
CONFIGURATION	Stand-Alone
PLATE THICKNESS	28mm (1.10")
AREAL WEIGHT	34.7 kg/m²
PLATE MASS (MEDIUM)	2.5 kg
CURVATURE	Multi-Curve
MATERIALS	Hybrid Ceramic, UHMWPE, CMS
COVER	Ballistic Nylon
SHAPES AND SIZES	“SAPI” XS – XL available
THREATS AND SPECIAL THREATS	7.62 x 54R API B32* *Special Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.04 and NP Aerospace Testing Protocol.

Sizes, Weights and Part Numbers

Size	CUT	DIMENSIONS (MM)				WEIGHT	Part Numbers
		[DIMS ± 5MM, THICKNESS ± 2MM]				Kg	
		A	B	C	D		
140x140	Full	140	140			0.65	51416-334-140x140
6" x 6"	Full	152	152			0.77	51416-334-6"x6"
6" x 8"	Full	203	152			1.05	51416-334-6"x8"
7" x 8"	Full	203	178			1.24	51416-334-7"x8"
XS	Shooter	292	184	76	44	1.76	48671-334
S	Shooter	298	222	78	52	2.19	48672-334
M	Shooter	312	241	83	57	2.49	48673-334
L	Shooter	337	260	87	62	2.92	48674-334
XL	Shooter	356	279	92	67	3.33	48675-334

Note: Weight tolerance ± 10%



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LASA LWA IV SA06 Lightweight Hard Armour Plate

Product Line	NIJ Standard	Config	Threats														
			Level 2A, 2, 3A + Special Threats				Level 3 + Special Threats						Level 4 + Special Threats				Multi-Hit
			9 mm	.40 S&W	.357 Mag	.44 Mag	7.62mm M80 Ball	5.56mm M193	7.62mm MSC PS Ball	7.62mm LPS	5.56mm SS109	5.56mm "Green Tip"	5.56mm NATO	7.62mm AP M2	7.62mm BZ API	7.62mm B32 API	7.62mm WCC
LWA IV SA06	0101.06	SA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
IC: In Conjunction; SA: Stand Alone; 1: With approved Soft Armor; 2: With approved carrier; ✓: IAW NIJ 0101.06 or NIJ 0101.04; †: Stops round, exceeds NIJ BFD; ‡: IAW NIJ 0101.06 at reduced velocity																	

The LWA IV SA06 hard armour plate delivers ultra-lightweight multi-hit protection against B32 API, BZ API, SS109 ‘Green Tip’ ammunition and other special threats. The plate also meets stringent drop test requirements as specified in the NIJ 0101.06 testing specification.



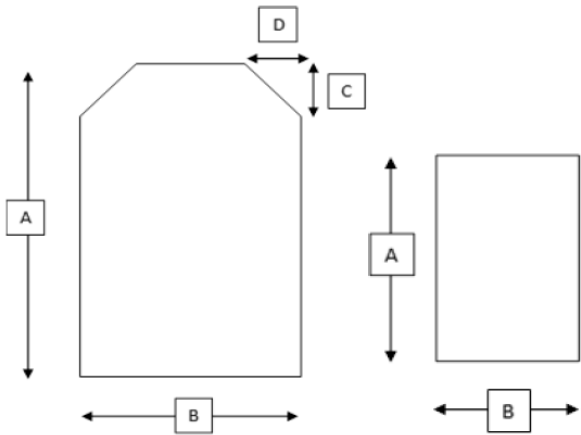
- Stops B32 API, API BZ and ‘Green Tip’ SS109 Ammunition
- Tested to NIJ 0101.06 – meeting stringent drop test requirements
- Integrates NP Aerospace’s patented crack mitigation system
- Weighs 3.01 kg per hard armour plate (medium plate)
- Standalone hard armour plate – no additional soft armour required

PRODUCT NAME	LASA LWA IV SA06
APPLICATION	Stand Alone Body Armour
TESTING STANDARD	In accordance with NIJ 0101.06
PROTECTION LEVEL	Special Threats (see below)
CONFIGURATION	Stand-Alone
PLATE THICKNESS	28mm (1.10")
AREAL WEIGHT	41.9 kg/m ²
PLATE MASS (MEDIUM)	3.01 kg
CURVATURE	Multi-Curve
MATERIALS	UHMWPE + SiC
COVER	Ballistic Nylon
SHAPES AND SIZES	“SAPI” XS – XL available
THREATS AND SPECIAL THREATS	7.62 x B32 API* *Special Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.06 and NP Aerospace Testing Protocol.

Sizes, Weights and Part Numbers

Size	Cut	Dimensions (mm)				Weight	Part Numbers
		[DIMS ± 5mm, Thickness ± 2mm]				Kg	
		A	B	C	D		
140x140	Full	140	140			0.78	51430-334-140x140
6" x 6"	Full	152	152			0.94	51430-334-6"x6"
6" x 8"	Full	203	152			1.26	51430-334-6"x8"
7" x 8"	Full	203	178			1.49	51430-334-7"x8"
8" x 10"	Shooter	248	197	78	52	1.88	51735-334-8"x10"
10" x 12"	Shooter	299	248	83	57	2.92	51735-334-10"x12"
XS	Shooter	292	184	76	44	2.13	51353-373
S	Shooter	298	222	78	52	2.65	51354-373
M	Shooter	312	241	83	57	3.01	51349-373
L	Shooter	337	260	87	62	3.53	51355-373
XL	Shooter	356	279	92	67	4.02	51356-373

Note: Weight tolerance ± 10%



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Ordering Information

Please send all purchase orders detailing part number, description, quantity to our sales team at orders@npaerospace.com

Your Local Sales Representative

For further technical information or questions regarding your order please use the contact details listed below:

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T +1 813 694 7162
info@npaerospace.com

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