



HIGHCOM

GUARDIAN PLATES

OVERVIEW





GUARDIAN PLATES

TESTING STANDARDS



HighCom offers a full line of military and law enforcement grade Level IIIA Special Threat, Level III and Level IV hard armor plate inserts. Our hard armor is some of the best in the world, and can be vouched for by our customers at the Department of Defense and U.S. federal and state agencies, in addition to countless international coalition forces and law enforcement agencies that actively deploy our products in life threatening situations. Our plates are designed, developed and manufactured using state-of-the-art processes and equipment to ensure quality and performance when deployed by operators throughout numerous tactical and urban situations. Our hard armor plates are NIJ compliant, with models available for NIJ 2005 Interim and NIJ 0101.06 standards. In addition, they undergo special threat assessment, and some models are independently tested according to the NIJ 0108.01 standard. We also perform additional testing against V50 and special threats, and can work with specific customer requirements against other threat assessments when requested.

NIJ 0101.06 BALLISTIC THREATS

LEVEL	WEAPON	PROJECTILE		GR	VEL FT/S	VEL M/S	(+/- FT/S)
IIIA	Handgun	.357 SIG FMJ Flat Nose (FN)		125	1470	448	(+/- 30)
IIIA	Handgun	.44 Magnum Semi Jacketed Hollow Point (SJHP)		240	1400	427	(+/- 30)
III	Rifle	7.62 mm FMJ, steel jacketed bullets (M80)		147	2780	847	(+/- 30)
IV	Rifle	.30 caliber armor piercing (AP) bullets (M2 AP)		166	2880	878	(+/- 30)

DEA FEDERAL STANDARDS

LEVEL	STANDARD	WEAPON	PROJECTILE	GR	VEL FT/S	VEL M/S	(+/- FT/S)
Special	DEA 2017	Rifle	.223 Remington Tactical Bonded Soft Point	62	2600	792	(+/- 50)
Special	DEA 2017	Rifle	5.56 x 45mm M855 (Green Tip)	62	3100	945	(+/- 50)
Special	DEA 2017	Rifle	7.62 x 39mm Mild Steel Core	123	2400	732	(+/- 50)
Special	DEA 2017	Rifle	7.62 mm FMJ, steel jacketed bullets (M80)	147	2750	838	(+/- 50)
Special	DEA 2017	Rifle	.308 Winchester PSPB Core-Lokt Ultra Bonded	150	2600	792	(+/- 50)

RIFLE SPECIAL THREATS

LEVEL	STANDARD	WEAPON	PROJECTILE	GR	VEL FT/S	VEL M/S	(+/- FT/S)
RST	Special	Rifle	.223 SCS Brush Hog	55	3150	960	(+/- 50)
RST	Special	Rifle	7.62 x 39mm (BZ API)	122	2380	725	(+/- 50)
RST	Special	Rifle	7.62 x 51mm (M61 AP)	150.5	2750	838	(+/- 50)
RST	Special	Rifle	7.62 x 54R (LPS)	148	2880	878	(+/- 50)
RST	Special	Rifle	7.62 x 54R-b-32 API	155	2800	853	(+/- 50)
RST	Special	Rifle	7.62 x 63mm-JSP	150	2780	847	(+/- 50)
RST	Special	Rifle	Rifle AK-47, M, SKS 7.62 x 39mm Ball	123	2380	725	(+/- 50)
RST	Special	Rifle	7.62 x 39mm (M43 MSC PS)	123	2380	725	(+/- 50)
RST	Special	Rifle	5.56 x 45mm M193 FMJ	55	3250	991	(+/- 50)
RST	Special	Rifle	12-gauge, 2 3/4 -in mag., 1oz. Slug	437.5	1145	349	(+/- 50)
RST	Special	Rifle	5.56 x 45mm M855A1	62	3100	945	(+/- 50)
RST	Special	Rifle	5.45 x 39mm MSC (7N6)	53	3000	915	(+/- 98)

LEVEL IV

RIFLE ARMOR PLATES



Multi-hit protection from armor piercing rifle rounds with HighCom Armor's Guardian line of Level IV plates. Manufactured in the USA, this proven line of ballistic protection are capable of stopping NIJ Level IV threat as well as some models being tested to DEA federal standards and rifle special threats including M855 (Green Tip), M80, and Rifle AK-47. Please refer to the product spec or visit highcomarmor.com for complete list of ballistic rounds tested.



4sas7	4sss2	4s16	4s17	4s17m	34i1
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Level IV Stand Alone Multi-Hit	Level IV Stand Alone Multi-Hit	Level IV Stand Alone Multi-Hit	Level IV Stand Alone Multi-Hit	Level IV Stand Alone Multi-Hit	Level III/IV ICW NIJ IIIA Soft Armor
NIJ 2005IR Certified DEA Compliant	NIJ 2005IR Certified	NIJ 0101.06 Tested	NIJ 0101.06 Certified DEA Compliant	NIJ 0101.06 Certified DEA Compliant	NIJ 0101.06 Tested
RST Validated	RST Validated	RST Validated	RST Validated	RST Validated	RST Validated
Warranty: 5 year	Warranty: 5 years	Warranty: 5 years	Warranty: 10 years	Warranty: 10 years	Warranty: 5 years

SPECIFICATIONS

Ceramic Strike Face Composite Backing Nylon Cover		Light Weight Silicon Carbide + UHMWPE Nylon Cover		Ceramic + UHMWPE Nylon Cover		Ceramic Strike Face Composite Backing Nylon Cover		Ceramic Strike Face Composite Backing Nylon Cover		Ceramic + UHMWPE Nylon Cover	
Thickness: 0.75"		Thickness: 0.97"		Thickness: 0.75"		Thickness: 0.95"		Thickness: 0.95"		Thickness: 0.85"	
10"x12" SC	7.2 lbs	10"x12" SC	5.2 lbs	10"x12" SC	6.2 lbs	10"x12" SC	7.2 lbs	10"x12" SC	7.2 lbs	10"x12" SC	6.5 lbs
Single Curve Multi Curve		Single Curve Multi Curve		Single Curve Multi Curve		Single Curve		Multi Curve		Single Curve Multi Curve	
Shooter, Full, Swimmers, SAPI		Shooter, Full, Swimmers, SAPI		Shooter, Full, Swimmers, SAPI		Shooter, Full, Swimmers		Shooter, SAPI		Shooter, Full, Swimmers, SAPI	
Available Sizes: 15		Available Sizes: 15		Available Sizes: 15		Available Sizes: 9		Available Sizes: 6		Available Sizes: 15	

BALLISTIC ROUNDS TESTED

<ul style="list-style-type: none"> NIJ 2005IR Level IV Threats DEA 2017 Ballistic Standard Rifle Special Threats 	<ul style="list-style-type: none"> NIJ 0101.06 Level IV Threats DEA 2017 Ballistic Standard Rifle Special Threats 	<ul style="list-style-type: none"> NIJ 0101.06 Level IV Threats 	<ul style="list-style-type: none"> NIJ 0101.06 Level IV Threats DEA 2017 Ballistic Standard Rifle Special Threats 	<ul style="list-style-type: none"> NIJ 0101.06 Level IV Threats DEA 2017 Ballistic Standard Rifle Special Threats 	<ul style="list-style-type: none"> NIJ 0101.06 Level III Threats NIJ 0101.06 Level IV Threats
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LEVEL III

STAND ALONE PLATES



With today's growing threats the need for rifle armor protection is greater than ever. Our Guardian Level III plates go above and beyond industry standards to meet and exceed mission-critical requirements from the most demanding missions. Available in ceramic, super lightweight UHMWPE, and steel, Guardian Level III plates provide multi-hit protection from high velocity rifle rounds.



3s9	3s9m	3s11	3s11m	ar500	ar1000
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Level III ++ Stand Alone Multi-Hit	Level III ++ Stand Alone Multi-Hit	Level III Stand Alone Multi-Hit	Level III Stand Alone Multi-Hit	Level III + Stand Alone Multi-Hit	Level III + Stand Alone Multi-Hit
NIJ 0101.06 Certified DEA Compliant	NIJ 0101.06 Certified DEA Compliant	NIJ 0101.06 Certified	NIJ 0101.06 Certified	NIJ 0101.06 Certified DEA Compliant	NIJ 0101.06 Certified DEA Compliant
RST Validated	RST Validated	RST Validated	RST Validated	RST Validated	RST Validated
Warranty: 10 years	Warranty: 10 years	Warranty: 10 years	Warranty: 10 years	Warranty: 10 years	Warranty: 10 years

SPECIFICATIONS

Ceramic Strike Face Composite Backing Nylon Cover		Ceramic Strike Face Composite Backing Nylon Cover		Super Lightweight UHMWPE (Floats in Water) Nylon Cover		Super Lightweight UHMWPE (Floats in Water) Nylon Cover		H-H Steel Rhino Extreme 11-50 Anti-Spall Coating		U-H-H Steel Rhino Extreme 11-50 Anti-Spall Coating	
Thickness: 1.15"		Thickness: 1.15"		Thickness: 1.25"		Thickness: 1.25"		Thickness: 0.35"		Thickness: 0.35"	
10"x12" SC	5.3 lbs	10"x12" SC	5.3lbs	10"x12" SC	2.9 lbs	10"x12" SC	2.9 lbs	10"x12" SC	7.5 lbs	10"x12" SC	5.9 lbs
Single Curve		Multi-Curve		Single Curve		Multi-Curve		Single Curve		Single Curve	
Shooter, Full, Swimmer		Shooter, SAPI		Shooter, Full, Swimmers, SAPI		Shooter, SAPI		Shooter, Full, Swimmers, SAPI		Shooter, Full, Swimmers, SAPI	
Available Sizes: 9		Available Sizes: 6		Available Sizes: 9		Available Sizes: 6		Available Sizes: 15		Available Sizes: 15	

BALLISTIC ROUNDS TESTED

<ul style="list-style-type: none"> NIJ 0101.06 Level III Threats DEA 2017 Ballistic Standards Rifle Special Threats 	<ul style="list-style-type: none"> NIJ 0101.06 Level III Threats DEA 2017 Ballistic Standards 	<ul style="list-style-type: none"> NIJ 0101.06 Level III Threats 7.62 x 39mm Mild Steel Core 5.56 x 45mm M193 FMJ 	<ul style="list-style-type: none"> NIJ 0101.06 Level III Threats 7.62 x 39mm Mild Steel Core 5.56 x 45mm M193 FMJ 	<ul style="list-style-type: none"> NIJ 0101.06 Level III Threats DEA 2017 Ballistic Standards 	<ul style="list-style-type: none"> NIJ 0101.06 Level III Threats DEA 2017 Ballistic Standards 5.56 x 45mm M193 FMJ
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LEVEL III

ICW PLATES + SPECIAL THREAT



Guardian Level III ICW plates work in-conjunction with NIJ IIIA soft armor panels to provide high velocity rifle protection in a lighter and thinner solutions as well as add extra protection against blunt force trauma. We also offer special threat hard armor solutions for rifle and handgun protection. Please refer to the product spec or visit highcomarmor.com for complete list of ballistic rounds tested.



3i7m ICW sa3920	3i10m	RSTP	RSTP SA+	RSTP Gen 2	STP
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Level III ICW sa3920 IIIA Soft Armor Multi-Hit		Level III ICW NIJ IIIA Soft Armor Multi-Hit		Rifle Special Threat ICW NIJ IIIA Soft Armor Modified SAPI Multi-Hit		Rifle Special Threat Stand Alone Modified SAPI Multi-Hit		Level III+ Rifle Special Threat ICW IIIA Soft Armor Multi-Hit		Handgun Special Threat Stand Alone Multi-Hit	
NIJ 0101.06 Certified		NIJ 0101.06 Tested		NIJ 0101.06 Tested (Modified SAPI)		NIJ 0101.06 Tested (Modified SAPI)		NIJ 0101.06 Tested		NIJ 0108.01 Tested HST Validated	
Warranty: 10 years		Warranty: 5 years		Warranty: 5 years		Warranty: 5 years		Warranty: 5 years		Warranty: 5 years	
SPECIFICATIONS											
100% DSM Dyneema UHMWPE Rhino Extreme™ 11-50 Anti-Spall Coating		100% DSM Dyneema UHMWPE Rhino Extreme™ 11-50 Anti-Spall Coating or Nylon Cover		Ceramic + UHMWPE Nylon Cover		Ceramic + UHMWPE Nylon Cover		Ceramic with UHMWPE backing Nylon Cover or Polyurea		Super Lightweight UHMWPE Rhino Extreme™ 11-50 Anti-Spall Coating	
Thickness: 0.70"		Thickness: 0.47"		Thickness: 0.55"		Thickness: 0.90"		Thickness: 0.75"		Thickness: 0.25"	
SAPI M	2.2 lbs	SAPI M	1.9 lbs	SAPI M	3.6 lbs	SAPI M	4.9 lbs	SAPI M	3.8 lbs	SAPI M	1.07 lbs
Multi Curve		Multi Curve		Single Curve Multi Curve		Single Curve Multi Curve		Multi Curve		Flat, Single Curve, Multi Curve	
Shooter, SAPI		Shooter, SAPI		Shooter, Full, Swimmer, SAPI		Shooter, Full, Swimmer, SAPI		SAPI		Shooter, Full, Swimmer, SAPI	
Available Sizes: 6		Available Sizes: 5		Available Sizes: 15		Available Sizes: 15		Available Sizes: 5		Available Sizes: 29	
BALLISTIC ROUNDS TESTED											
• NIJ 0101.06 Level III Threats • 7.62 x 39mm Mild Steel Core • 5.56 x 45mm M193		• NIJ 0101.06 Level III Threats • 7.62 x 39mm Mild Steel Core • 5.56 x 45mm M193		• NIJ 0101.06 Level III Threats • 7.62 x 39mm Mild Steel Core • 5.56 x 45mm M855 (Green Tip) • 5.56 x 45mm M193		• NIJ 0101.06 Level III Threats • 7.62 x 39mm • Mild Steel Core • 5.56 x 45mm • M855 (Green Tip) • 5.56 x 45mm M193		• NIJ 0101.06 Level III Threats • 7.62 x 39mm Mild Steel Core • 5.56 x 45mm M855 (Green Tip) • 5.56 x 45mm M193 • 7.62 x 54R (LPS)		• NIJ 0108.01 Handgun Threats • 9mm +P+ (SXT) • .40 S&W JHP, Speer Gold Dot (GDHP) • 5.7 x 28mm SS195 • 5.7 x 28mm SS197	

PLATE OPTIONS

SIZES, CUTS, CURVATURES



Guardian Hard Armor Plates are available in Shooter Cut, Full Cut, Swimmer Cut and SAPI cuts and are available in 15 sizes, 3 curvatures from 5"x7" trauma pockets to full coverage front and back plates. Sizes, cuts, and curvatures vary by model.

SHOOTER CUTS

SAPI CUTS

8"x10"	10"x12"	7.25"x11.5" (XS)	8.75"x11.75" (S)	9.5"x12.5" (M)	10"x13.25" (L)	11"x14" (XL)

FULL CUTS

SWIMMER CUT

5"x7"	5"x8"	6"x6"	6"x8"	8"x10"	10"x12"	10"x12"

CURVATURES

FLAT	SINGLE CURVE	MULTI CURVE