



## **ARMORED LAND ROVER RANGE ROVER SPORT**

Typically Armored to Level A9/B6+ Against 7.62x39, 5.56x45, 7.62x51, M193, & M80 ball. Can be Armored to Any Level.



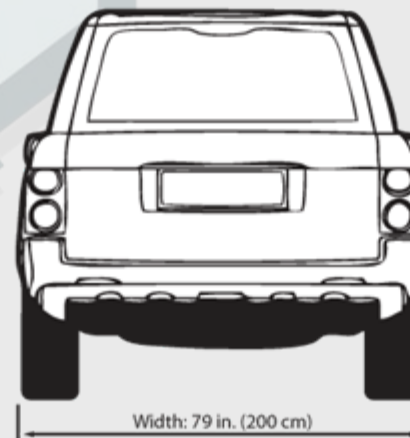
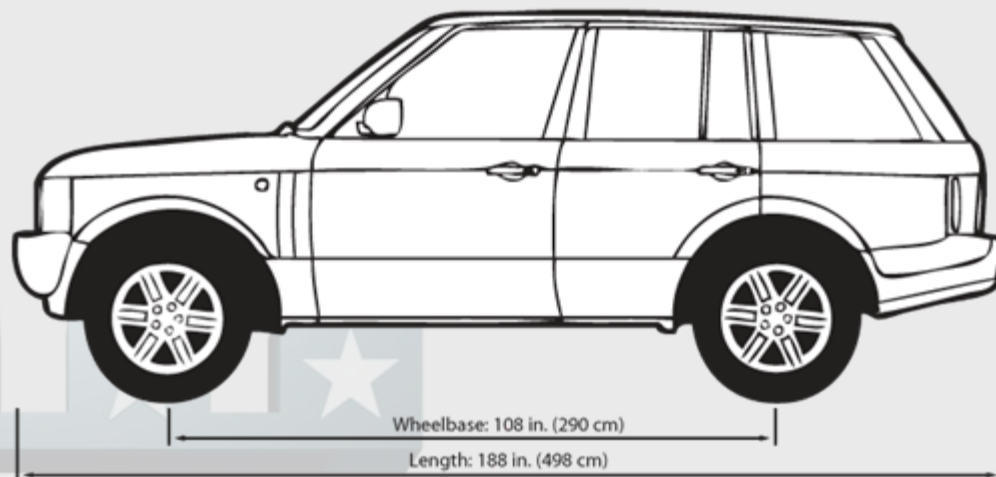
# **ALPINE ARMORING INC.**

[www.alpineco.com](http://www.alpineco.com)



## BASE VEHICLE SPECIFICATIONS

- MAKE:** Land Rover
- MODEL:** Range Rover Sport
- YEAR:** Brand New
- ENGINE:** 5.0L V8 Gasoline
- POWER:** 375 hp @ 6,500 rpm
- TRANSMISSION:** 6-Speed Automatic
- COLOR:** Client's choice
- INTERIOR:** Leather upholstery
- SEATING:** 2 + 3
- ARMORED WEIGHT:** 7,650 lbs. (3,469 kg.)





## GENERAL ARMORING SPECIFICATIONS

**A. Protection at Level A9/B6+, against high power rifles including 7.62x39, 5.56x45, 7.62x51, M193, & M80 ball**

**B. Opaque Armor** (see page 4-5)

- 4 mm certified ballistic steel used throughout entire vehicle
- Everything from the floor to the battery and fuel tank are protected
- All doors have ballistic steel overlaps

**C. Transparent Armor** (see page 6)

- 40 mm multi-hit certified ballistic glass/polycarbonate
- Anti-spall layer
- Multi-layered design for maximum protection

**D. Additional Features** (see page 7)

- P.A./Multi-siren system
- Built-in intercom system
- Strobes lights mounted behind grill to maintain stock look
- Four (4) run-flat wheel inserts installed
- Tailpipe protection
- Suspension upgrades





## DETAILED ARMORING SPECIFICATIONS

### OPAQUE ARMOR

B. Protection at **Level A9/B6+**, against high power rifles including: **7.62x39, 5.56x45, 7.62x51, M193, & M80 ball**



#### Firewall

Ballistic steel firewall provides protection up front



#### Roof

Roof is lined with ballistic steel at an angle



#### Floor

Entire floor is lined with ballistic steel



#### Doors

All doors are lined with ballistic steel



#### Angle Shot Protection

B pillar reinforcement to protect from angle shots



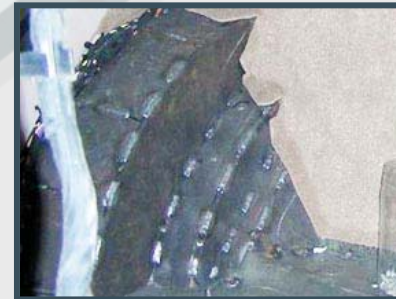
#### Heavy Duty Hinges

Custom hinges that will withstand the weight of the armored doors



#### Fender Armoring

Front side fenders lined with ballistic steel



#### Wheel Wells

Front and rear wheel wells are lined with ballistic steel





## DETAILED ARMORING SPECIFICATIONS

### OPAQUE ARMOR Continued



#### Armor Overlaps

Overlaps are used for all doors and windows



#### Modified Glass Anchoring

Uses ballistic steel to provide enhanced blast survivability



#### Rear Partition

Ballistic steel rear partition with swing door on it, using heavy duty hinges to accommodate the added weight



#### Fuel Tank Protection

Fuel tank is encased in ballistic steel



#### Battery & ECU Protection

The battery and engine computer is encased in ballistic steel





## DETAILED ARMORING SPECIFICATIONS

### TRANSPARENT ARMOR

C. All original glass is removed & replaced with NIJ certified multi-layered ballistic glass/polycarbonate



**Glass Thickness**  
40 mm thick glass/polycarbonate



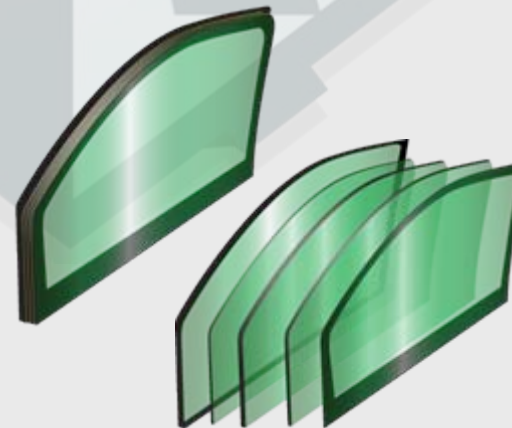
**Multi-hit Protection**  
All windows are capable of sustaining multiple hits while providing protection to passengers



**Anti-Spall**  
Anti-spall layer prevents glass fragments from penetrating into passenger cabin



**Power Windows**  
Lowers approx. 5 inches



**Layered Design**  
Layered glass and composites protect against multiple hits, providing more time to escape.  
Multi-Layered High Optics  
Factory tinted Glass/Polycarbonate

"no one protects you better"





## DETAILED ARMORING SPECIFICATIONS

### ADDITIONAL FEATURES

D. Other features included are pictured below



#### P.A./Multi-Siren System

Features exterior mounted speaker/siren. Interior dash-mounted quick select siren and microphone



#### Strobe Lights

Strobes are mounted behind the front grill to maintain a low-profile look



#### Intercom System

Allows driver to communicate with people outside of the vehicle without opening any windows



#### Intercom Microphones

Mini microphones are installed outside and in the cabin



#### Run-Flat Inserts

Four (4) run-flats installed. Rated for 50km/h (30 miles @ 30mph)



#### Tailpipe Protection

Protects exhaust pipe from being sabotaged



#### Suspension Upgrades

All springs and shocks are replaced with upgraded models



#### Reinforced Bumpers

Additional reinforcement mounted behind bumpers. Maintains low-profile look





## GENERAL OEM SPECIFICATIONS

- Manual Flip-Up Liftgate Window
- Rear Split Liftgate Door
- Full Time 4WD
- Mechanical Center Differential
- Descent Control
- Electronic Hi-Lo Gear Selection
- Center Locking Differential
- Brake Hill Holder
- Macpherson Strut Front Suspension
- Double Wishbone Rear Suspension
- Four-Wheel Independent Suspension
- Front and Rear Stabilizer Bar
- 4-Wheel ABS
- 255/50R20 Performance Tires
- Remote Anti-Theft Alarm System
- Emergency Braking Assist
- Front and Rear Ventilated Disc Brakes
- Engine Immobilizer
- Front Fog/Driving Lights
- High-Pressure Headlamp Washers
- Auto Delay Off Headlamps
- Dusk Sensing Headlamps
- Xenon HID Headlamps
- Stability Control
- Traction Control
- Electronic Brakeforce Distribution
- Front Power Adjustable Headrests
- Rear Height Adjustable Headrests
- Tire Pressure Monitoring
- Leather Upholstery
- Multi-Level Heated Front Seats
- 14 -Way Power Front Seats
- Adjustable Lumbar Support (Front Seats)
- Height Adjustable Front Seats
- Split-Folding Rear Seatback
- Folding with Storage Center Armrest
- Rear Ventilation Ducts with Fan Control
- Remote Power Door Locks
- Reverse Tilt Passenger Mirror
- Power Mirrors
- Heated Mirrors
- Cruise Control
- Front Console with Storage
- Front and Rear Cupholders
- Overhead Console with Storage
- Speed-Proportional Power Steering
- Universal Remote Transmitter
- 12V Front/Rear/Cargo Area Power Outlets
- Front and Rear Parking Sensors
- Tilt and Telescopic Steering Wheel
- Audio/Cruise Controls On Steering Wheel
- Rear View Camera
- Three Zone Climate Control
- Alloy, Leather and Wood Trim
- Front and Rear Reading Lights
- Leather and Alloy Steering Wheel
- Heated Steering Wheel
- Electrochromatic Rearview Mirror
- Harman/Kardon Premium Stereo System
- 14 Total Speakers w/720 Watts Of Power
- Audio/Video Input
- AM/FM/CD/MP3 Player
- Speed Sensitive Volume Control
- Auxiliary MP3 Audio Input
- Radio Data System
- USB Connection





COMPLETED VEHICLE

EXTERIOR-INTERIOR PHOTOS



"no one protects you better"





# ALPINE'S BALLISTIC CHART

ALPINE ARMORING INC.

LEVEL	CALIBER	TYPE	WEAPON	BULLET	STANDARDS	MASS (gram)	MATERIAL	VELOCITY m's (ft's) (a)	SHOTS	UL (b)	NIJ (f)	CEN	DIN
A1	9 x 19 mm	Handgun (Pistol)		8	LCCJ	358 (1,175)	5 (e)	1	I, IIA, II	—	1		
A2	.357 Magnum	Handgun (Pistol)		10.2	JSP	430 (1,410)	5 (e)	2	IIA, II	B1, B3	2		
A3	.44 Magnum	Handgun (Revolver)		15.6	LWC	440 (1,443)	5 (e)	3	IIIA	B4	3		
A4	9 x 19 mm	Sub-machinegun		8	LCCJ	427 (1,400)	5 (e)	6	IIIA	B2	—		
A5	7.62 x 25 mm	Handgun (Tokorev)		5.5	LCSJ	488 (1,600)	5 (e)	—	—	—	—		
A6	7.62 x 39 mm	AK-47 (HP Rifle)		9.7	SCCJ (d)	732 (2,400)	5 (e)	—	—	—	—		
A7	.30 - 06	HP Rifle		11.7	JSP	774 (2,540)	5 (e)	4	—	—	—		
A8	5.56 x 45 mm	HP Rifle (M-16)		3.6	LCCJ (d)	991 (3,250)	5 (e)	7	—	B5	4		
A9	7.62 x 51 mm	HP Rifle / M193		9.7	LCSJ (d)	838 (2,750)	5 (e)	5, 8	III	B6	5		
A10	.30 - 06	HP Rifle		10.8	AP (d)	869 (2,850)	3 (e)	—	IV	B7	—		
SG	12 Gauge	Shotgun		28.3	Slug	503 (1,650)	3 (c)	SG	—	SG2	SG2		

- UL:** Underwriters Laboratory, 752
- NIJ:** National Institute of Justice, 0108.01
- CEN:** European Standard
- DIN:** German Standards, 52290
- STANAG:** NATO

- LCCJ:** Lead Core Copper Jacket
- JSP:** Jacketed Soft Point
- LWC:** Lead Wad Cutter
- LCSJ:** Lead Core Steel Jacket
- SCCJ:** Steel Core Copper Jacket
- AP:** Armor Piercing
- SG:** Shotgun
- (A)** Minimum Measured Velocity
- (B)** Ambient Temperature Only
- (C)** 11.4 cm Triangular Pattern
- (D)** Military Ammunition, All Other Commercial
- (E)** Corners & Center of 11.4 Square Pattern
- (F)** Levels I, II, IIA & IIIA based on 1 of 2 Required Calibers of Ballistic Threat

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# ★ WARRANTY ★

## LAND ROVER RANGE ROVER SPORT

The vehicle above is under Alpine's premium warranty covering all its armored parts and labor as well as all added accessories for one full year, effective the date of final delivery to the client.

Alpine Armoring Inc. hereby honors this warranty, in the United States and worldwide, against any and all related manufacturer's defects.

MANAGEMENT AUTHORIZED  
ALPINE ARMORING INC.  
HERNDON, VIRGINIA, USA

\_\_\_\_\_  
DATE SIGNED

