



STRETCHED AND EXCLUSIVE LIMOUSINES

**Discreetly armored vehicle on base of
Toyota Land Cruiser 200 5.7L V8 in CEN B6+/B7 level
protection according with European standards DIN EN**

ARMORED TOYOTA LAND CRUISER 200 5.7L V8 in CEN B6+/B7



All-round ballistic glazing - except tailgate glass with ballistic glass in rear bulkhead with internal polycarbonate layer for splinter protection

ARMORED TOYOTA LAND CRUISER 200 5.7L V8 in CEN B6+/B7



Standard OEM glass on the armored luggage compartment of the car

ARMORED TOYOTA LAND CRUISER 200 5.7L V8 in CEN B6+/B7



Ballistic barrier with a door with integrated laminated ballistic glass with an internal polycarbonate layer for protection against fragments for an emergency exit in the event of an armed attack or a traffic accident

ARMORED TOYOTA LAND CRUISER 200 5.7L V8 in CEN B6+/B7



Ballistic barrier with a door with integrated laminated ballistic glass with an internal polycarbonate layer for protection against fragments for an emergency exit in the event of an armed attack or a traffic accident

ARMORED TOYOTA LAND CRUISER 200 5.7L V8 in CEN B6+/B7



ARMORED TOYOTA LAND CRUISER 200 5.7L V8 in CEN B6+/B7



ARMORED TOYOTA LAND CRUISER 200 5.7л V8 in CEN B6/B7



ARMORED TOYOTA LAND CRUISER 200 5.7L V8 in CEN B6+/B7

ARMORING DESCRIPTION

Armoring for protection level B6/B7 with a rear bulkhead is fitted by folding up/down emergency hatch with ballistic resistant glass: opaque armor in B6+ and transparent armor in B7.

The standard armor package includes:

- Certified ballistic glazing, including the rear bulkhead**
- Car body protection, including firewall and front fenders**
- Protection of the battery and electronic engine control unit**
- Fuel tank protection**
- Certified HD suspension to carry additional car weight**
- HD machine milled door hinges**
- Radiator ballistic protection**
- Certified Run Flat wheel inserts (5 pcs) including spare wheel**
- Front doors left/right operable windows (extra option)**
- Hand fire extinguisher**
- Emergency triangle**
- Tow rope**
- First aid kit**
- Car tool kit**



PROTECTION LEVELS COMPLIANCE WITH DIFFERENT STANDARDS AND DIRECTIVES

	Test Level VPAM APR 2006	Application for		For comparison		Type of Weapon	Cartridges	Information about Test Ammunition				Extracts taken from test Conditions		
		VPAM_PM2007 VPAM BRV 2009 VPAM BSW 2006 VPAM HVN 2009		DIN EN 1063 (BR) DIN EN 1522/23 (FB) VPAM BRV 1999 (VR) STANAG 4569 AEP55 (Level)				Calibre	Type of bullet	Mass (g) Hardness (HRC)	Manufacturer /Type	Shot Distance* (m)	Bullet Velocity (m/s)	Bullet Energy (Joule)
Hand Gun Protection	1	PM1 VR1	BSW 1 HVN 1	BR 1 FB 1 VR 1 (BRV 1999)				22 Long Rifle	L/RN	2,60 ± 0,1	Winchester	10 + 0,5	360 ±10	168
	2	PM2 VR2	FSW 2 HVN 2					9mm Luger ⁵⁾	FMJ/RN/S C Tinned	8,00 ± 0,1	DAG DM 41	5 + 0,5	360 ±10	518
	3	PM3 VR3	FSW 3 HVN 3	BR 2 FB 2 VR 2 (BRV 1999)				9mm Luger ⁵⁾	FMJ/RN/S C Tinned	8,00 ± 0,1	DAG DM 41	5 + 0,5	415 ±10	689
	4 ¹⁾	PM4 VR4	BSW 4 HVN 4	BR 3 FB 3 VR 3 (BRV 1999) BR 4 FB 4 VR 4 (BRV 1999)				.357 Magnum	FMJ/CB/S C	10,20 ± 0,1	Geco	5 + 0,5	430 ±10	943
								.44 Rem. Mag.	FMJ*/FN/S C	15,60 ± 0,1	Speer	5 + 0,5	440 ±10	151
5	PM5 VR5	BSW 5 HVN 5					.357 Magnum	FMs/CB	7,10 ± 0,1	DAG Special	5 + 0,5	580 ±10	1194	
Assault Rifle Protection	6	PM6 VR6	BSW 6 HVN 6	B4+				7,62 x 39	FMJ/PB/F eC	8,0 ± 0,1 core 3,60	M 43 PS	5 + 0,5	720 ±10	2074
	7	PM7 VR7	BSW 7 HVN 7	BR 5 FB 5 VR 5 (BRV 1999) BR 6 FB 6 VR 6 (BRV 1999)	Stanag Level 1 when in addition 5,56 x 45 mm (Typ: M193)			.223 Rem ²⁾ (5,56 x 45)	FMJ/PB/S CP	4,0 ± 0,1	MEN SS 109	10 + 0,5	950 ±10	1805
								.308 Win (7,62 x 51)	FMJ/PB/S C	9,55 ± 0,1	MEN DM 111	10 + 0,5	830 ±10	3289
Armor Piercing	8	PM8 VR8	BSW 8 HVN 8		Stanag Level 2			7,62 x 39	FMJ/PB/H CI	7,70 ± 0,1 core 4,10 hardness 65	API BZ	10 + 0,5	740 ±10	2108
	9	PM9 VR9	BSW 9 HVN 9	BR 7 FB 7 VR 7 (BRV 1999)				.308 Win ³⁾ (7,62 x 51)	FMJ/PB/H C	9,70 ± 0,2 core 4,0 ± 0,1 hardness 62 ± 2	MEN/CBC FNB, P 80	10 + 0,5	820 ±10	3261
	10	PM10 VR10	BSW 10 HVN 10		Stanag Level 3			7,52 x 54 R	FMJ/PB/H CI	10,40 ± 0,1 core 5,30 hardness 63	B 32	10 + 0,5	860 ±10	3846

*)The standards DIN EN 1063 (special glazing in civil engineering)and DIN AN1522/23 Windows and doors as well as STANAG 4569 AEP 55 and VPAM BRV 1999 are listed for comparison. Requirements and test conditions partly differ from VPAM.

**) When necessary regarding velocity of the bullet, oscillation and impact point, the shot distance can be adjusted in the test 1-12.

FMJ	full metal jacket (steel)
FMJ* (copper)	full metal jacket
CB	coned bullet
RN	round nose
PB	pointed bullet
FN	flat nose
L	full lead
SC	lead-soft core
FEC	mild-steel core

HC	hard core
WC	wolfram-carbide (tungsten)
FMs	full brass
I	incendiary
C.I.P. small arms	Permanent international commission for the testing of
TDCC	Dimension sheets of the C.I.P.
DAG	RUAG Ammotec, Germany
Geco	RUAG Ammotec, Germany
MEN	Metallwerk Eisenhuetten Nassau, Germany

FNB	FN Herstal, Belgium
Speer USA	Federal Cartridge Company,
1)	In these steps both calibres are to use
2)	Twist rates 178 mm ± 5%
3)	Twist rates 254 mm ± 5%
4)	Twists rates arbitrary
5)	Test barrel with a transition of 7,5mm
6)	Arbitrary shot distance, Appropriate hits have to be ensured in terms of velocity, oscillation and impact point