

# IAA Mobility 2021 Munich

The image features a stylized white outline of a car's roofline against a black background. Inside the outline, the words "Mercedes-Benz" are written in a smaller, white, sans-serif font. Below this, the word "GUARD" is written in a much larger, bold, white, sans-serif font, with each letter having a 3D effect and a slight shadow.

Mercedes-Benz  
GUARD

Mercedes-Benz S680 V223 4Matic Guard VR10



Mercedes-Benz  
GUARD

Benz GUARD







A standard holder is available for an additional charge  
Стандартный держатель доступен за дополнительную плату





An actuator helps to open and close the doors and holds them in position when necessary. The doors can be opened with one hand when the car is on an incline - and the bodyguard who opens the door still has one hand free in the event of a defense.

Привод помогает открывать и закрывать двери и при необходимости удерживает их в нужном положении. Двери можно открывать одной рукой, когда автомобиль стоит на склоне, а у телохранителя, открывающего дверь, одна рука остается свободной в случае защиты.















Mercedes-Benz  
GUARD

S 680 GUARD

Technical specifications and performance data for the Mercedes-Benz S-Class sedan, including engine details, transmission, and fuel economy. The sign also features a color-coded bar chart representing different performance metrics.



Weltpremiere

## S 680 GUARD

### Mercedes-Benz S 680 GUARD 4MATIC

Zylinderanordnung/-anzahl	V12
Hubraum (cm³)	5.980
Nennleistung (kW (PS))	450 (612)
Nenn Drehmoment (Max. Nm)	830
Beschleunigung 0-100 km/h (s)	8,3

### Mercedes-Benz S 680 GUARD 4MATIC



### Mercedes-Benz S 680 GUARD 4MATIC

Leistung	450 kW (612 PS)
Hubraum	5.980 cm³ (357,1 ccm)
Zylinderanzahl	12
Preis	ab 1.000.000 €

ÜBERSICHT

TECHNISCHE DATEN

AUSSTATTUNG









Blue light and radio as well as intercom, its own fire extinguishing system, additional headlights and an emergency fresh air system to protect against gas attacks are part of the on-board equipment

В состав бортового оборудования входят синий свет и радио, а также домофон, собственная система пожаротушения, дополнительные фары и система аварийного свежего воздуха для защиты от газовых атак



	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	2,40 ± 0,1	Winchester	10 + 0,5	360 ±10	168
	2	PM2 VR2	FSW 2 HVN 2					9mm Luger <sup>1)</sup>	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 <sup>1)</sup>	FMJ/RN/S C Tinned	8,00 ± 0,1	DAG DM 41	5 + 0,5	415 ±10	489
	4 <sup>1)</sup>	PM4 VR4	BSW 4 HVN 4	BR 3 FB 3 VR 3 (BRV 1999)				.357 Magnum	FMJ/CB/S C	10,20 ± 0,1	Geco	5 + 0,5	430 ±10	943
				BR 4 FB 4 VR 4 (BRV 1999)				.44 Rem. Mag.	FMJ*/FN/S C	15,40 ± 0,1	Speer	5 + 0,5	440 ±10	151
5	PM5 VR5	BSW 5 HVN 5					.357 Magnum	FMa/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 P5	5 + 0,5	720 ±10	2074
	7	PM7 VR7	BSW 7 HVN 7	BR 5 FB 5 VR 5 (BRV 1999)	Stanog Level 1 when in addition 5,56 x 45 mm (Typ: M193)			.223 Rem <sup>2)</sup> (5,56 x 45)	FMJ/PB/S CP	4,0 ± 0,1	MEN 55 109	10 + 0,5	950 ±10	1805
				BR 6 FB 6 VR 6 (BRV 1999)				.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		Stanog 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 <sup>3)</sup> (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		Stanog 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)	HC	hard core
FMJ* (copper)	full metal jacket	WC	waltrium-carbide (tungsten)
CB	coned bullet	FMa	full brass
RN	round nose	I	incendary
PB	pointed bullet	C.I.P.	Permanent international commission for the testing of small arms
FN	flat nose	TDCC	Dimension sheets of the C.I.P.
L	full lead	DAG	RUAG Ammotec, Germany
SC	lead-soft core	Geco	RUAG Ammotec, Germany
FEC	mid-steel core	MEN	Metalwerk Eisenhuetten Nasau, Germany

FNB	FN Herstal, Belgium
Speer USA	Federal Cartridge Company, USA
1)	In these steps both calibres are to use
2)	Twist rates 178 mm ± 5%
3)	Twist rates 254 mm ± 5%
4)	Twist 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