



# Brand new S 680 GUARD 4MATIC

Mercedes-Benz  
Das Beste oder nichts.



# Content

1. Product Highlights
2. Technical Specifications
3. Competition
4. Ballistic & Explosive Protection
5. Driver Safety Training
6. After Sales

As elegant and luxurious as the regular S-Class!

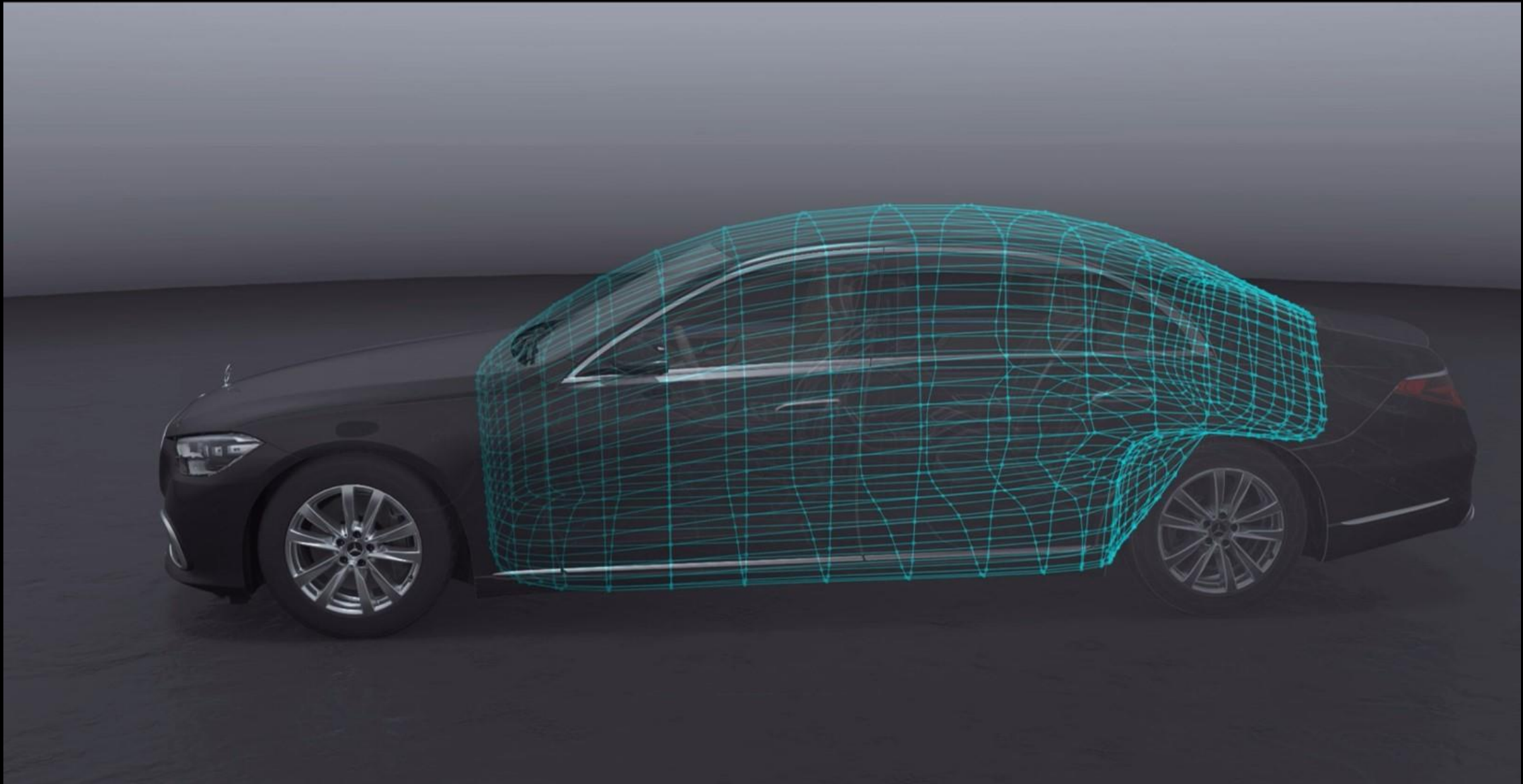


GUARD - Protects what matters!

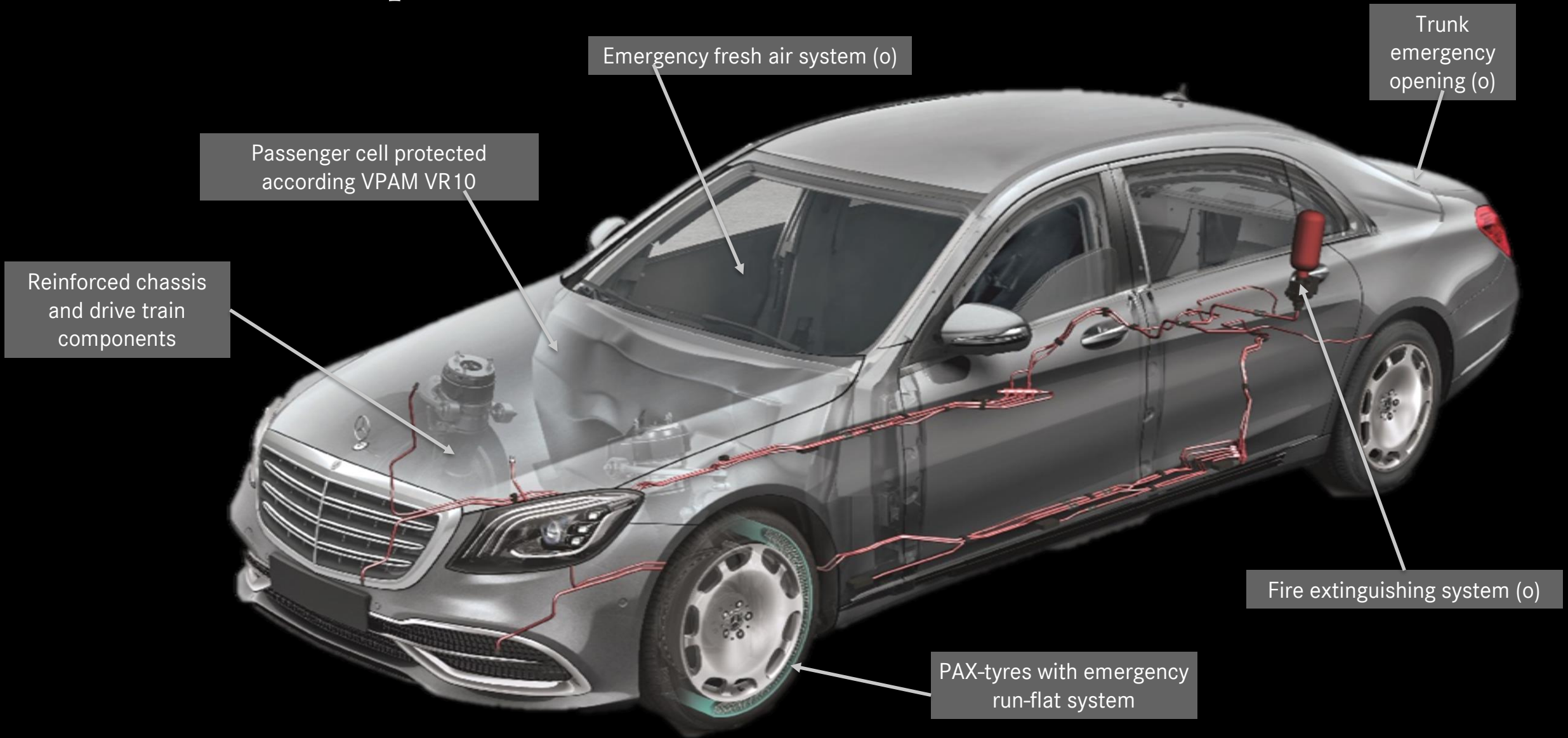
As elegant and luxurious as the regular S-Class!



# Integrated Protection System



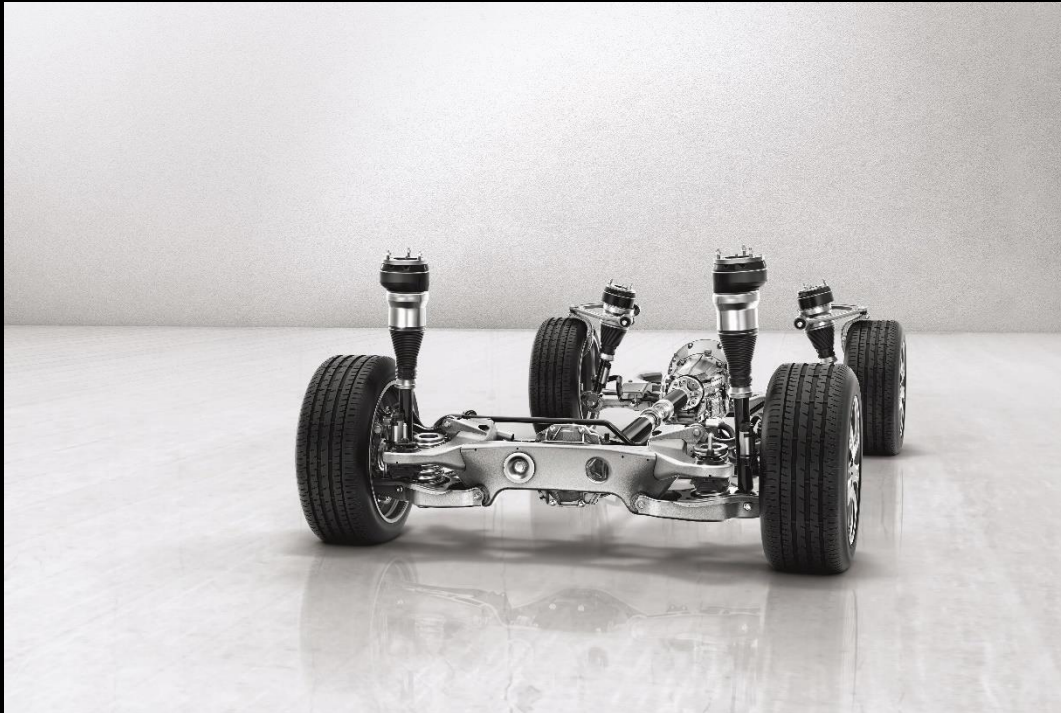
# MR223 GUARD specific innovations



Please note: illustrations show MR222 | (o) = optional equipment | (s) = standard equipment |

# MR223 GUARD specific innovations

First S-Guard with all-wheel drive system



Servo-operated front and rear doors \*



\*optional equipment

# Optional Highlights for MR223 GUARD

## ADDITIONAL HIGHLIGHTS

**453** Executive seat  
**317/318** PHB 5.0 Digital Light  
**308** Refrigerated compartment  
**449** Folding tables in the rear (in combination with 308 not possible)

## SHOULD HAVES

**451** 3D Instrument Display  
**Z60** Trunk emergency opening  
**899** Multifunctional Telephony Package (not available for all countries)  
**856/855** Business Telephony in the rear

**878** Active Ambient lighting  
**PBS** ENERGIZING Package Front  
**P43** Seating comfort package rear  
**224** First Class Fond (note: 4-seater)

## MUST HAVES

**Z17** Heated windshield  
**447** MBUX Fond Tablet  
**Z37** Door locking in the rear  
**Z21** Fire extinguishing system  
**Z25** Emergency fresh air system  
**874** Adaptive windshield washing system MAGIC VISION CONTROL heated (at least for cold countries)  
**P69** Warmth Comfort package (at least for cold countries)

**868** OLED Media-Display  
**884** Boot lid additional locking device  
**Z22** Passenger alarm and intercom system  
**Z38/Z39** Servo-operated front / rear door  
**Z11/Z12/Z13/Z14** Hydraulic power window  
**854** MBUX Fond Entertainment/MBUX High-End Fond Entertainment  
**481** Underguard



# Available Options for MR223 GUARD



Hydraulic window lifters



Emergency opening/ closing



Door actor



Operating panel



Fire extinguishing system



Emergency Fresh Air System

# Government Options



S-Guard LED system incl. blue light flasher & rear indicators to ensure optimum coordination within a convoy



Integration of radio communication system

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# Technical Specifications S-GUARD V223

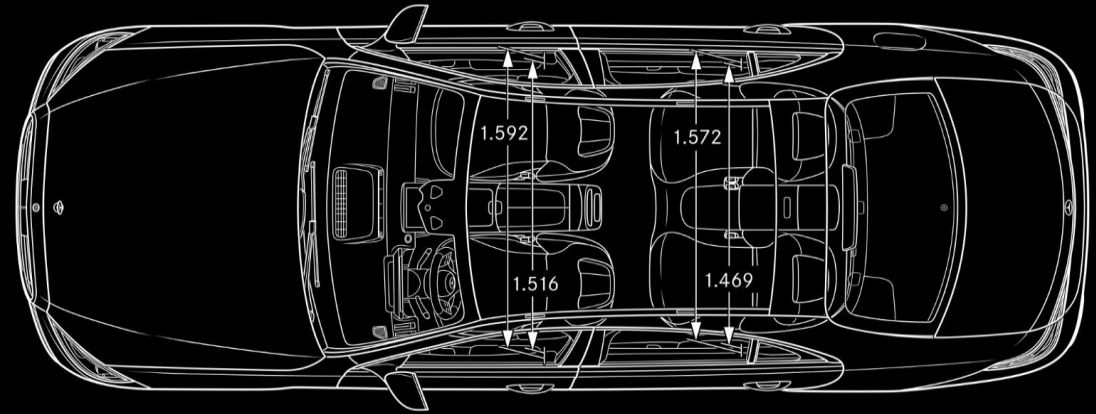
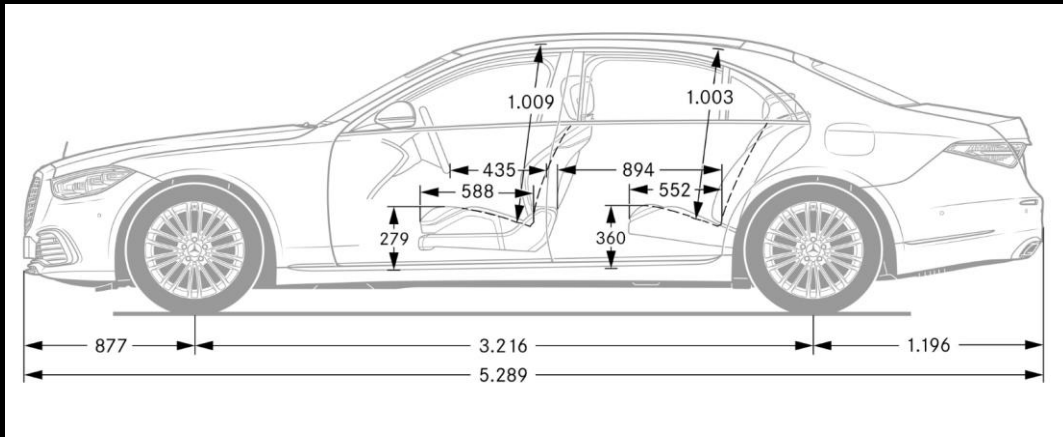


## Mercedes-Benz Guard S 680

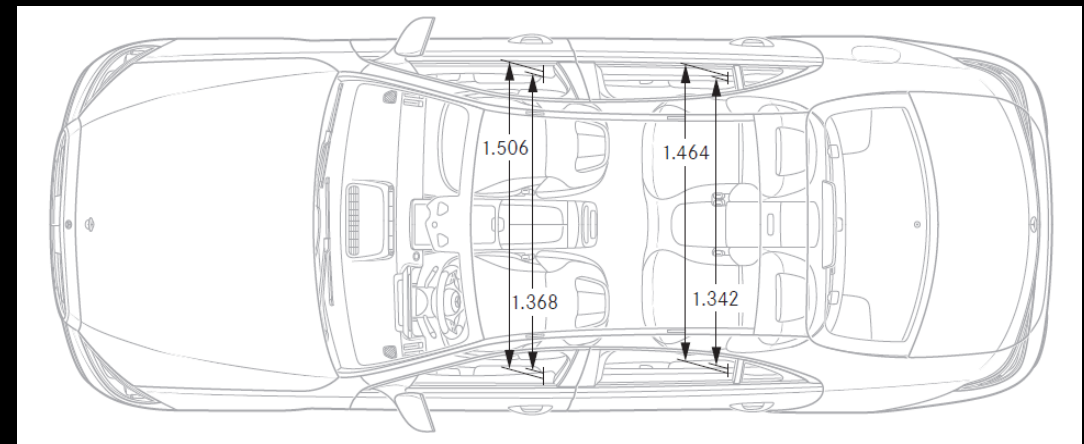
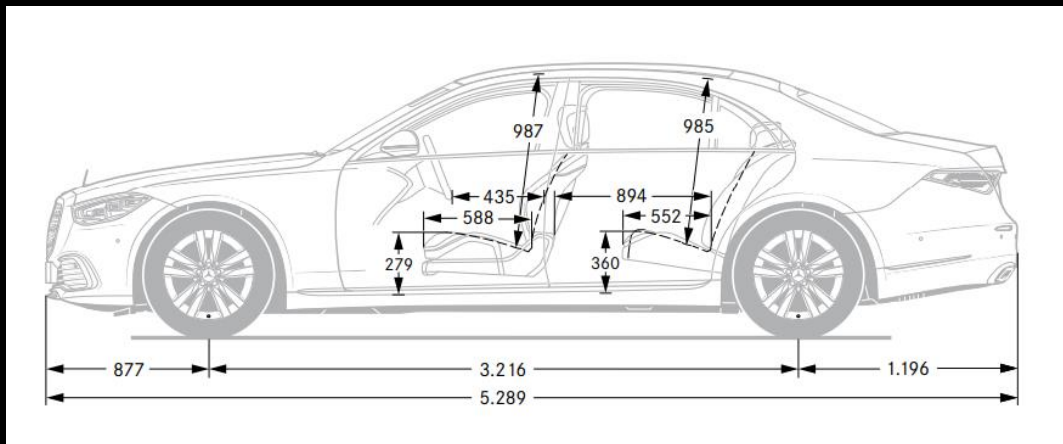
Bullet class	VR 10
Engine	V 12 / 5980 (cm <sup>3</sup> ) / 612 PS
Performance (kW) at Speed (1/min)	450 at 5.500
Torque (Nm) at Speed (1/min)	830 at 2.000 – 5.000
Drive	4x4
Gearbox	9G-TRONIC
Weight	4.840 kg
Acceleration 0-100 km/h (s)	8,3
High speed	190 km/h

# Dimensions V223 Series vs. V223 GUARD

## S-Class V223 series



## S-Guard V223











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# Bullet class

Audi A8 L Security\*  
Mercedes-Benz S-Guard V223



BRV 2009	VR4	VR5	VR6	VR7	BRV 2009	VR8	VR9*	VR10**	ERV 2010
Sample weapons					Sample weapons				
Resistance	Handguns up to .44 Magnum	Handguns up to .357 Magnum	Rifles up to calibre 7.62 x 39 mm, full steel jacket, iron core	Rifles up to calibre 7.62 x 51 mm, full steel jacket, soft core	Resistance	Rifles up to calibre 7.62 x 39 mm, full steel jacket, hard steel core with incendiary tip	Rifles up to calibre 7.62 x 51 mm, full steel jacket, hard steel core	Extensive protection against threat from Dragunov sniper rifle, even in transparent area	DM 51

BRV – Guideline for the testing and certification of bullet-resistant vehicles | VR – Vehicle Resistance | ERV – Explosive Resistance of Vehicle  
\*Mercedes-Benz S 600 Guard, Mercedes-Maybach S 650 Pullman Guard | \*\*Mercedes-Maybach S 650 Guard

\*windows VR10

# Competitor



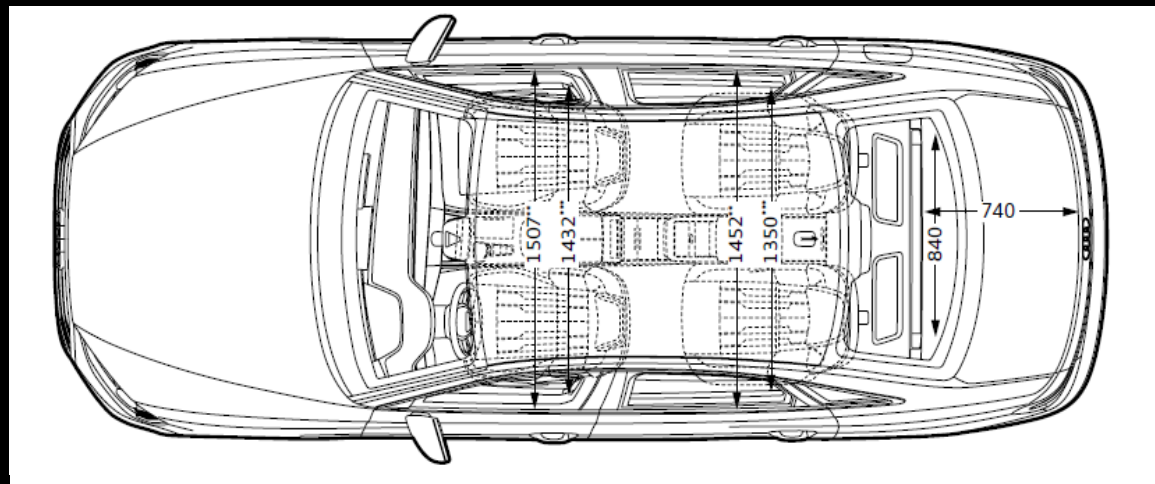
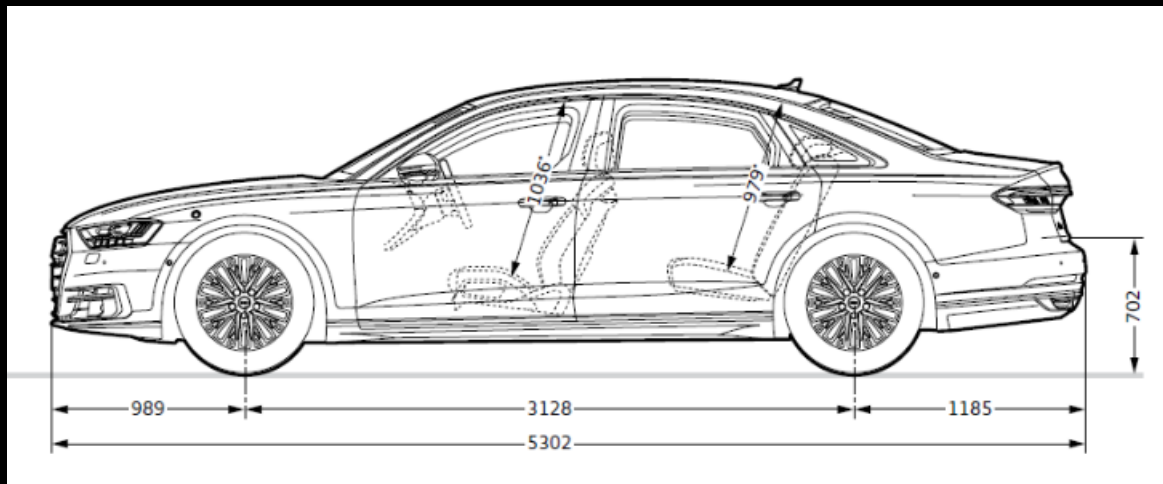
## Audi A8 L Security

Bullet class	VR9
Weight	3.875 kg
Power	V8 engine 563 Ps / 800 Nm
High speed	210 Km/h

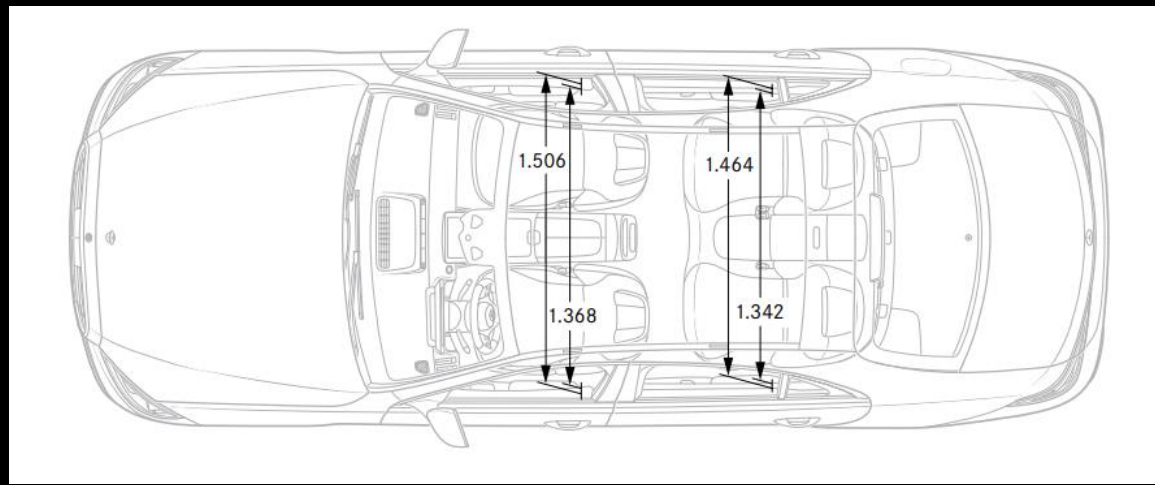
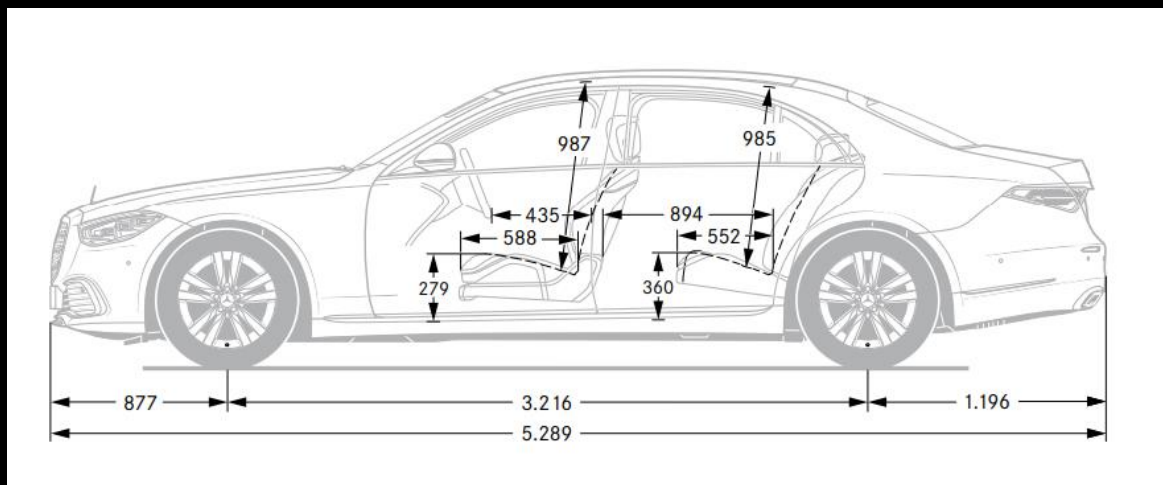


# Dimensions S-GUARD V223 vs. Competitor

Competitor



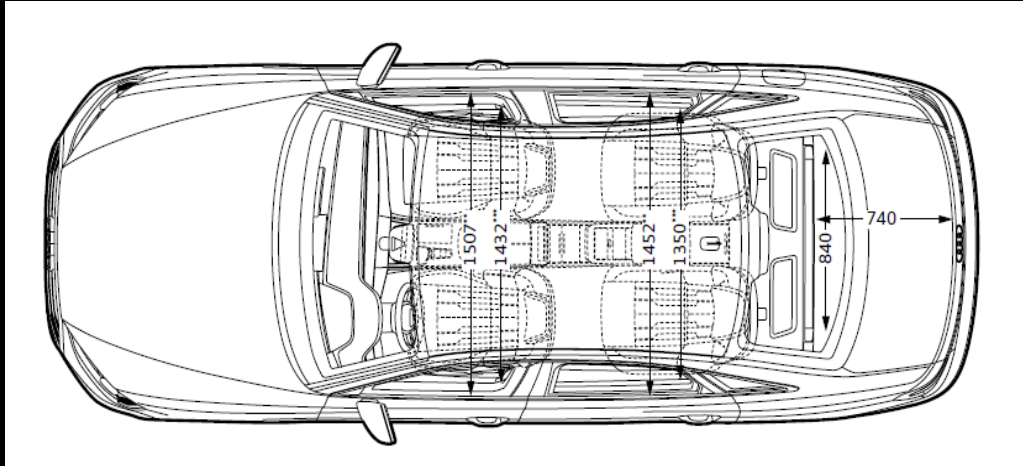
S-Guard V223



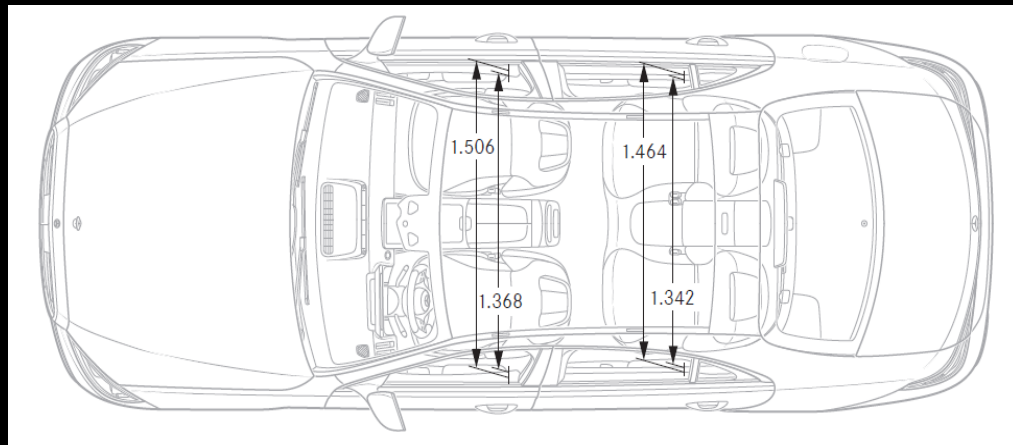
# Dimensions and comfort / interior design

## S-GUARD V223 vs. Audi A8 L Security

Audi A8 L Security

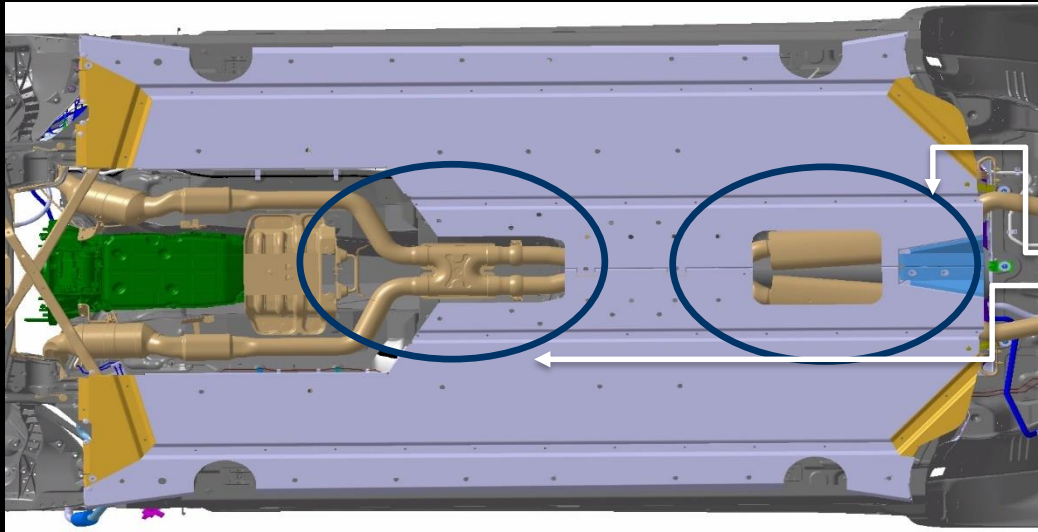


S-Guard V223



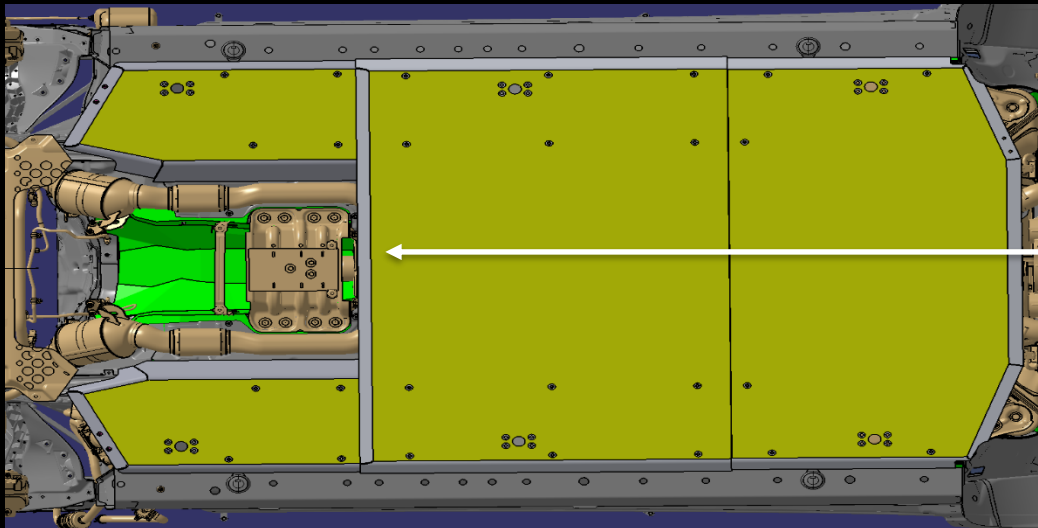
# Protection concept – floor protection

Competitor



Gaps in the floor protection

S-Guard V223

























Tunnel steel lining & fibre-reinforced composites from inside

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# Ballistic & Explosive Protection

## VPAM Prüfrichtlinie APR 2006

Prüfstufen VPAM APR 2006	Anwendung bei		Zum Vergleich *)		Waffenart (Beispiele)	Patrone	Angaben zur Prüfmunition				Auszüge aus den Prüfbedingungen		
	VPAM-PM 2007	VPAM BRV 2009	DIN EN 1063 (BR)	DIN EN 1522/23 (FB)			Kaliber	Art	Masse [g] Härte [HRC]	Hersteller / Typ	Schuss- entfernung **) [m]	Geschoss- geschwindigkeit V [m/s]	Geschoss- energie [Joule]
1	PM 1	BSW 1	BR 1				.22 lr	L/RN	2,60 ± 0,1	Winchester	10 + 0,5	360 ± 10	168
	VR 1	HVN 1	FB 1	VR 1 (BRV 1999)									
2	PM 2	BSW 2					9mm Luger	FMJ/RN/SC verzinkt	8,00 ± 0,1	DAG DM 41	5 + 0,5	360 ± 10	518
	VR 2	HVN 2											
3	PM 3	BSW 3	BR 2				9mm Luger	FMJ/RN/SC (verzinkt)	8,00 ± 0,1	DAG DM 41	5 + 0,5	415 ± 10	689
	VR 3	HVN 3	FB 2	VR 2 (BRV 1999)									
4	PM 4	BSW 4	BR 3				.357 Mag.	FMJ/CB/SC	10,20 ± 0,1	Geco	5 + 0,5	430 ± 10	943
	VR 4	HVN 4	FB 3	VR 3 (BRV 1999)									
5	PM 5	BSW 5	BR 4				.44 Rem. Mag	FMJ*/FN/SC	15,60 ± 0,1	Speer	5 + 0,5	440 ± 10	1510
	VR 5	HVN 5	FB 4	VR 4 (BRV 1999)									
6	PM 6	BSW 6					7,62 x 39	FMJ/PB/FcC	8,00 ± 0,1 Kern 3,60	- M 43	10 + 0,5	720 ± 10	2074
	VR 6	HVN 6											
7	PM 7	BSW 7	BR 5	Stanag Level 1 wenn zusätzlich 5,56 x 45 mm (Typ: M193)			.223 Rem. (5,56 x 45)	FMJ/PB/SCP	4,0 ± 0,1	MEN SS109	10 + 0,5	950 ± 10	1805
	VR 7	HVN 7	FB 5										
8	PM 8	BSW 8	BR 6	Stanag Level 2			.308 Win (7,62 x 51)	FMJ/PB/SC	9,55 ± 0,1	MEN DM 111	10 + 0,5	830 ± 10	3289
	VR 8	HVN 8	FB 6										
9	PM 9	BSW 9	BR 7	Stanag Level 2			7,62 x 39	FMJ/PB/HCI	7,70 ± 0,1 Kern 4,10 Härte 65	- BZ	10 + 0,5	740 ± 10	2108
	VR 9	HVN 9	FB 7										
10	PM 10	BSW 10	BR 7	Stanag Level 3			.308 Win (7,62 x 51)	FMJ/PB/HC	9,70 ± 0,2 Kern 4,00 ± 0,1 Härte 62 + 2	MEN/CBC FNB 80	10 + 0,5	820 ± 10	3261
	VR 10	HVN 10	FB 7										
10	PM 10	BSW 10	BR 7	Stanag Level 3			7,62 x 54 R	FMJ/PB/HCI	10,40 ± 0,1 Kern 5,30 Härte 63	- B 32	10 + 0,5	860 ± 10	3846
	VR 10	HVN 10	FB 7										

← Competitor

← S-Guard V223

# Ballistic & Explosive Protection

## Bullet



# Ballistic & Explosive Protection

Mission accomplished!



## Beschussamt Ulm

- Germany first implemented **independent certification bodies** in 1891 to regulate civil firearms
- Beschussamt Ulm was founded in **1952**
- Now serves as a testing and certification body for weapons, ammunition and safety technology
- only body in Baden Württemberg
- one of the **most modern institutes** of its kind.

# Ballistic & Explosive Protection

Blast





# Ballistic & Explosive Protection

## Mission accomplished!

Copy



**Beschussamt Ulm**  
Eich- und Beschusswesen Baden-Württemberg  
Staatliche Prüf- und Zertifizierungsstelle für Waffen- und Sicherheitstechnik  
Legal verification and certification office for weapons and security engineering

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### ZERTIFIKAT - Certificate

S 21 0176 03 / Z

Antragsteller / Hersteller des Sonderschutzfahrzeuges  
Applicant / Manufacturer of the special protected vehicle  
**Mercedes-Benz AG**  
DE-70372 Stuttgart

Das Sonderschutzfahrzeug  
The special protected vehicle  
**Mercedes Benz S-Klasse V223 GUARD**

erfüllt die Prüfanforderungen der Richtlinie  
VPAM – ERV Fassung 3, Stand: 01.03.2021  
„Sondergeschützte Fahrzeuge - Sprengwirkungshemmung-“ wie folgt:  
meets the requirements of the guideline  
VPAM – ERV Fassung 3, of 01-03-2021 „Special Protected Vehicles -Blast Resistance-“ as follows:

**Splitterladungen Bodenbereich**  
Fragmentation charges underbody area

**Prüfergebnis**  
Test result

Details der Zertifizierung siehe Prüfbericht S 21 0176 03 / B  
Details of the certification see test report S 21 0176 03 / B  
Die Zertifizierung bezieht sich auf das zur Prüfung vorgestellte Prüfobjekt:  
Fahrzeugnummer: W1K2231791A002565  
Ende der Prüfung 05.03.2021  
The certification refers to the presented item under test:  
Chassis number: W1K2231791A002565  
Final testing 05.03.2021

Zertifikate ohne Unterschrift und Dienstsiegel haben keine Gültigkeit. Dieses Zertifikat darf nur vollständig und unverändert weiterverwendet werden. Auszüge oder Änderungen bedürfen der Genehmigung des Beschussamtes Ulm.  
Der Prüfergebnis Grundzüge und Bestandteil des Zertifikats.  
Only the original certificate printed and signed by the Test House is valid. This certificate may only be passed on in its entirety and without modification. The use of parts of this certificate is allowed only with the express consent of the Beschussamt Ulm.  
The test report is basic and part of the certificate.

Beschussamt Ulm  
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Fax: 0731-9 88 51-99  
beschussamt@tbl.bwl.gv.de  
www.beschussamt.eu

Akkreditierte Prüf- und Zertifizierungsstelle  
   
Ulm, den 01.06.2021  
  
H. HAESSLER  
Leiter der Zertifizierung  
Head of certification

VR10 ERV Boden

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**Beschussamt Ulm**  
Eich- und Beschusswesen Baden-Württemberg  
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Das Sonderschutzfahrzeug  
The special protected vehicle  
**Mercedes Benz S-Klasse V223 GUARD**

erfüllt die Prüfanforderungen der Richtlinie  
VPAM – ERV Fassung 3, Stand: 01.03.2021  
„Sondergeschützte Fahrzeuge - Sprengwirkungshemmung-“ wie folgt:  
meets the requirements of the guideline  
VPAM – ERV Fassung 3, of 01-03-2021 „Special Protected Vehicles -Blast Resistance-“ as follows:

**Seitenansprengung**  
Side blast

**Prüfergebnis**  
Test result

Details der Zertifizierung siehe Prüfbericht S 21 0176 04 / B  
Details of the certification see test report S 21 0176 04 / B  
Die Zertifizierung bezieht sich auf das zur Prüfung vorgestellte Prüfobjekt:  
Fahrzeugnummer: W1K2231791A002565  
Ende der Prüfung 02.03.2021  
The certification refers to the presented item under test:  
Chassis number: W1K2231791A002565  
Final testing 02.03.2021

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Leiter der Zertifizierung  
Head of certification

VR10 ERV Seite

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**Beschussamt Ulm**  
Eich- und Beschusswesen Baden-Württemberg  
Staatliche Prüf- und Zertifizierungsstelle für Waffen- und Sicherheitstechnik  
Legal verification and certification office for weapons and security engineering

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### ZERTIFIKAT - Certificate

S 21 0176 05 / Z

Dieses Zertifikat ist eine Erweiterung zum bestehenden Zertifikat S 21 0176 01 / Z  
This certificate is an extension to the existing certificate S 21 0176 01 / Z

Antragsteller / Hersteller des Sonderschutzfahrzeuges  
Applicant / Manufacturer of the special protected vehicle  
**Mercedes-Benz AG**  
DE-70372 Stuttgart

Das Sonderschutzfahrzeug  
The special protected vehicle  
**Mercedes Benz S-Klasse V223 GUARD**

erfüllt die Prüfanforderungen der Kundenvorgabe,  
Verfahren: VPAM – BRV Fassung 3, Stand 15.03.2021  
„Sondergeschützte Fahrzeuge -Durchschusshemmung-“ wie folgt:  
meets the requirements of the Applicant's specification,  
method: VPAM – BRV edition 3, of 15-03-2021 „Special Protected Vehicles -Bullet Resistance-“ as follows:

**Sonderbeschuss Dachbereich, 90°**  
Special test roof area, 90°

Details der Zertifizierung siehe Prüfbericht S 21 0176 05 / B  
Details of the certification see test report S 21 0176 05 / B  
Die Zertifizierung bezieht sich auf das zur Prüfung vorgestellte Prüfobjekt:  
Fahrzeugnummer: W1K2231791A002565  
Ende der Prüfung 27.01.2021  
The certification refers to the presented item under test:  
Chassis number: W1K2231791A002565  
Final testing 27.01.2021

Zertifikate ohne Unterschrift und Dienstsiegel haben keine Gültigkeit. Dieses Zertifikat darf nur vollständig und unverändert weiterverwendet werden. Auszüge oder Änderungen bedürfen der Genehmigung des Beschussamtes Ulm.  
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H. HAESSLER  
Leiter der Zertifizierung  
Head of certification

VR7 SoB Dach

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# Driver Safety Training

- Offers driver training exercises of highest quality and complexity
- Driving Center with perfect conditions / handling to the limits



# Driver Safety Training

- Guided by a highly qualified instructor team and Mercedes-Benz Guard technical service personnel
- After successful completion of the training, participation will be confirmed with the Mercedes-Benz Guard certificate.
- The training includes an extensive introduction into specific vehicle functions and various dynamic driving training sessions.
- To gain deeper Mercedes-Benz Guard product knowledge, insights and understanding, participants have the possibility to raise any queries to our technical specialists



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# After Sales

- Worldwide Service of trained employees
- Flying doctor for special repairs
- Training for workshop personnel worldwide
- Customer-oriented service for maximum mobility
- Decades of experience
- Discrete handling
- Large service network
- Constant exchange between service and sales



# All-round carefree package

All-round carefree package,  
uncomplicated sales processing,  
driver safety training, after sales  
worldwide with trained staff

