



Mercedes-Benz



The new Mercedes-AMG GT S Roadster

Press Information

New open-air member of the AMG GT family

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Affalterbach. In time for the spring, Mercedes-AMG is extending its sports car portfolio with the new AMG GT S Roadster (combined fuel consumption: 11.5 l/100 km; combined CO₂ emissions: 262 g/km)¹ as an attractive open-air model. With this latest addition the AMG GT family now has a dozen members: four two-door Coupés, three Roadsters, two customer sports racing cars and three four-door Coupés. The basis for the high Driving Performance of the new AMG GT S Roadster is the combination of a lightweight aluminium spaceframe, a V8 biturbo engine, a seven-speed dual clutch transmission, a rear axle locking differential and a sport suspension with aluminium double wishbone axles.

"With the AMG GT S Roadster, our AMG GT family has gained another exceptionally sporty member that combines high driving dynamics with an emotional open-air experience," says Tobias Moers, Chairman of Mercedes-AMG GmbH. "The new model represents the perfect alternative for the performance-oriented AMG GT Roadster customer."

Compared to the AMG GT Roadster, the AMG GT S Roadster is rendered even more dynamic by numerous modifications to the engine, suspension, brakes, design and interior. This positions it between the AMG GT Roadster and the even more powerful AMG GT C Roadster, now providing a choice of three open-top two-seaters.

Muscular power unit for a top speed of over 300 km/h

The AMG 4.0-litre V8 biturbo in the AMG GT S Roadster delivers an output of **384 kW** (522 hp) and maximum torque of 670 Nm. This is available over a wide engine speed range from 1900 to 5000 rpm. The eight-cylinder power unit delivers muscular performance in all engine speed ranges, combined with high efficiency for low fuel consumption and emission levels. A sprint from standstill

to 100 km/h is absolved in 3.8 seconds. The dynamic power delivery continues right up to the top speed of 308 km/h.

The two turbochargers of the V8 are not positioned on the outside of the cylinder banks, but inside the cylinder "V". Advantages: a compact engine design, spontaneous response of the turbochargers and low exhaust emissions thanks to optimal airflow to the near-engine catalysts. The dry sump lubrication also ensures the oil supply even with high lateral forces and allows the engine to be installed lower, thus moving the centre of gravity closer to the road and forming the basis for high lateral acceleration.

Power transfer is based on the combination of a front mid-engine and the AMG SPEEDSHIFT DCT 7G sport transmission in a transaxle arrangement, combined with a torsionally rigid torque tube. Thanks to the wide gear ratio spread, the decidedly high torque of the V8 biturbo engine can be used to optimum effect. The weight distribution is also ideal for optimum driving dynamics at 47 (front) and 53 (rear) percent.

The AMG GT Roadsters at a glance

	AMG GT Roadster	AMG GT S Roadster	AMG GT C Roadster
Engine	4-litre V8 with twin turbocharging		
Displacement	3982 cc		
Output	350 kW (476 hp) at 6000 rpm	384 kW (522 hp) at 6250 rpm	410 kW (557 hp) at 5750-6750 rpm
Peak torque	630 Nm at 1700-5000 rpm	670 Nm at 1900-5000 rpm	680 Nm at 1900-5500 rpm
Fuel consumption urban/extra-urban/combined	15.5/9.1/11.5-11.4 l/100 km	15.6/9.1/11.5 l/100 km	15.0/11.0/12.5 l/100 km
Combined CO ₂ emissions	261 g/km	262	284 g/km
Efficiency class	G	G	G
Emission class	Euro 6d-TEMP		
Weight (DIN/EC)	1595 kg*/1670 kg**	1625 kg*/1700 kg**	1660 kg*/1735 kg**
Acceleration 0-100 km/h	4.0 s	3.8 s	3.7 s
Top speed	302 km/h	308 km/h	316 km/h
Transmission	AMG SPEEDSHIFT DCT 7G		

Suspension	AMG sports suspension	AMG RIDE CONTROL sports suspension with Adaptive Damping System	AMG RIDE CONTROL sports suspension with Adaptive Damping System
Rear-axle limited-slip differential	Mechanical	Electronically controlled	Electronically controlled
Rear axle steering	No	No	Yes
Rear aerofoil	extendable	extendable	extendable
AIRPANEL	standard equipment	standard equipment	standard equipment
Torque tube	aluminium	aluminium	aluminium
Exhaust system	Sports exhaust system	Performance exhaust system, variable	Performance exhaust system, variable
Upholsteries	ARTICO/fabric	ARTICO/DINAMICA	Nappa leather
Performance steering wheel	Nappa leather	Nappa leather/DINAMICA	Nappa leather/DINAMICA
Interior trim	AMG Interior Silver Chrome package	AMG Interior Silver Chrome package	AMG Interior Silver Chrome package
Wheels - front / rear	9.0 J x 19 / 11.0 J x 19	9.0 J x 19 / 11.0 J x 20	9.0 J x 19 / 12.0 J x 20
Tyres - front / rear	255/35 R 19 / 295/35 R 19	265/35 R 19 / 295/30 R 20	265/35 R 19 / 305/30 R 20
Brake disks - front / rear	Composite 360 mm/ integral 360 mm	Composite 390 mm/ composite 360 mm	Composite 390 mm/ composite 360 mm
Drive modes	Four: C, S, S+, I	Five: C, S, S+, I, RACE	Five: C, S, S+, I, RACE

* Kerb weight according to DIN, not including driver; ** Kerb weight according to EC, including driver (75 kg)

With adaptive adjustable damping as standard

The AMG GT S Roadster is equipped with the AMG RIDE CONTROL suspension with adaptive damping adjustment as standard. This fully automatic, electronically controlled system adjusts the damping at each wheel to the current requirements. This improves driving safety and ride comfort. The damping is adjusted individually for each wheel, and depends on the driving style, the road surface and the selected suspension setting. The ideal operating point can be selected at all times on the basis of extensive information relating to acceleration or vehicle speed, for example.

Using a switch in the centre console or by selecting the drive mode, the driver is able to choose between the different damping characteristic maps "Comfort", "Sport" and "Sport+", and can thereby individually influence the driving experience.

Choice of driving experience from comfortable to very sporty

The driver is able to set the AMG GT S Roadster to his/her individual requirements using the AMG DYNAMIC SELECT controller. Five drive modes, "C" (Comfort), "S" (Sport), "S+" (Sport Plus), "RACE" and the individually programmable setup "I" (Individual) are available. These allow a broad range of driving experiences - from comfortable to very sporty.

In all modes, key parameters such as the response of the engine and transmission, the accelerator characteristics, the AMG RIDE CONTROL sports suspension, the steering, the 3-stage ESP[®] and the position of the AMG Performance exhaust flaps are modified.

By pressing the separate "M" button in the centre console, the driver can activate the manual transmission mode in any drive mode to change gear using the steering-wheel shift paddles. The suspension set-ups can also be selected specifically as needed.

Standard equipment: Electronically controlled rear differential

As standard, the AMG GT S Roadster is equipped with an electronically controlled locking differential at the rear axle, which is integrated into the compact transmission housing. Its sensitive and fast control raises the critical limit of vehicle dynamics to a new level. It not only further improves the traction of the drive wheels, but also increases the critical cornering speed. The result is that the driver is able to accelerate out of corners earlier and with more power thanks to the improved traction. The vehicle remains more stable when braking from high speed, while the limited-slip differential also improves traction from rest.

The greatest benefit of the electronic rear-axle limited-slip differential is the even more sensitive and proactive control, which pushes the critical threshold higher, making it even easier to drive at the vehicle's limits. To deliver optimum cooling, the housing of the limited-slip differential has additional cooling fins.

Large dimensions: the AMG high-performance composite braking system

The AMG high-performance composite brake system is adapted to the enhanced performance of the AMG GT S Roadster. The front axle features composite brake discs measuring 390 x 36 mm with 6-piston fixed callipers, with composite brake discs measuring 360 x 26 mm and single-piston fixed callipers at the rear. The brake callipers are painted in red with "AMG" lettering.

There is also the option of the AMG high-performance ceramic composite braking system with brake discs in size 402 x 39 mm at the front axle and 360 x 32 mm at the rear, together with specially painted brake callipers with "AMG Carbon Ceramic" lettering. Exceptionally short stopping distances, a precise pressure point and outstanding resistance to fading even under extreme operating conditions - the AMG high-performance ceramic composite braking system offers motorsport-like braking performance and weighs around 40 percent less than with conventional composite brake discs.

Intelligent lightweight construction with high proportion of aluminium

For the body of the GT S, Mercedes-AMG has opted for an intelligent and particularly lightweight mix of materials with a high proportion of aluminium. The spaceframe and exterior parts are of aluminium, and the boot lid too is particularly light in weight thanks to an innovative composite material. The load-bearing structure is of SMC (Sheet Moulding Compound). These high-tech plastics excel with their lightweight design, high strength and outstanding surface quality. The innovative materials were developed by the Mercedes-Benz TEC factory in Sindelfingen, and brought to production maturity together with the AMG specialists in Affalterbach. The extremely lightweight front deck made of magnesium reduces the inertia ahead of the front axle, improving the agility of the Roadster.

Weight-optimised: the fabric soft top

The three-layered fabric soft top is supported by a magnesium/steel/aluminium structure of low weight, which helps to keep the vehicle's centre of gravity low. Additional roll-over protection is provided by an integrated aluminium cross-member, while the inserted acoustic mat improves noise comfort.

Authentic sports car experience embodying sensual purity

From the expressive AMG radiator grille to the long bonnet and the muscular tail end, the two-seater guarantees a pure sports car experience even when stationary.

The flat front section and forward-sloping radiator grille make the Roadster appear to hug the road. At the same time this shape lowers the vehicle's back-pressure point, enhancing the flow of cooling air and the car's aerodynamic performance.

The front apron in jet wing design emphasises the car's width, making it sit flatter on the road. The large outer air inlets guarantee the supply of cooling air to the engine. The LED High Performance headlamps offer more safety at night and an unmistakably sporty and distinctive look. Thanks to LED technology, they illuminate the road more effectively than conventional headlamps – with lower energy consumption.

Viewed from the side, the arched roof line (when the soft top is closed) and the frameless doors are eye-catching features. The surfaces and lines of the side wall flow into the tail end with a dramatic tapered effect. The long bonnet with its pronounced powerdomes, the greenhouse which has been moved far back, the large wheels and broad tail end also contribute to the distinctive looks. As standard the AMG GT S Roadster is shod with mixed tyres on 19-inch rims at the front and 20-inch rims at the rear.

AIRPANEL active air management system

The active air regulation system AIRPANEL included as standard is a particular technical highlight. Vertical louvres at the bottom of the front apron are opened and closed electronically by means of an electric motor in around one second to guarantee the required amount of cooling. Constantly achieving the ideal position calls for highly intelligent and fast control.

During normal driving with no increased cooling demand, the louvres are closed for reduced drag and the air is directed at the underbody. This improves the aerodynamic efficiency of the vehicles. Only when certain components reach predefined temperatures and the air demand is particularly high do the louvres open to allow the maximum cooling air flow to the heat exchangers.

As another active aerodynamic component the Roadster features an extendable rear spoiler. This reduces lift at the rear axle at higher speeds. With its broad shoulders and expressive tail light graphics, the rear end enhances the emotional overall appearance.

High quality and exclusivity: the interior

The interior design echoes the design lines of the exterior. The dashboard places a firm emphasis on width, creating an impression of a powerful wing. Thanks to the high beltlines, concave door panelling, a dynamic, rising centre console and the low seating position, the driver is integrated into the cockpit and feels fully attuned to the Roadster. The sports seats, the Performance steering wheel and the instrument cluster also demonstrate outstanding precision and high-quality materials.

The sport seats are upholstered in black ARTICO man-made leather/DINAMICA microfibre as standard. Numerous other materials and colours are also optionally available:

- nappa leather in black
- nappa leather in marron/black
- two-tone nappa leather in red pepper/black,
- two-tone nappa leather in silver pearl/black,
- Exclusive nappa leather in black,
- Exclusive nappa leather in marron/black,
- two-tone Exclusive nappa leather in white/black,
- two-tone Exclusive nappa leather in red pepper/black,
- two-tone Exclusive nappa leather in red pepper/black.

Also available only with AMG Performance seats:

- Exclusive nappa leather Style in saddle brown/black,
- Exclusive nappa leather Style in macchiato beige /black,
- Exclusive nappa leather/DINAMICA microfibre in black with yellow contrasting topstitching,
- Exclusive nappa leather /DINAMICA microfibre in black with grey contrasting topstitching,
- Exclusive nappa leather /DINAMICA microfibre in black with red contrasting topstitching.

Choice of high-quality interior trim

As standard the AMG GT S Roadster comes with the AMG Silver Chrome Interior package. This creates particular highlights with trim in high-quality

silver chrome. The package consists of a centre console surround, air vent bezels and trim strips in the door armrests in silver chrome.

The AMG Piano Lacquer Interior package is available as an option. Trim surfaced in luxurious, shining piano lacquer accentuates the high quality of the interior. The package consists of a centre console surround, air vent bezels and trim strips in the door armrests in piano lacquer look.

Also optionally available are AMG trim elements in matt silver glass-fibre, carbon-fibre and matt carbon-fibre. The Exclusive Trim package further enhances the AMG trim and brings even more individuality to the interior. It consists of two trim strips in the door armrests in a version dependent on the chosen AMG trim.

AMG Performance seats with AIRSCARF and climate control

The optionally available AMG Performance seats provide even more lateral support with more heavily contoured backrest and seat cushion side bolsters. The AMG Performance seats of the Roadster are also optionally available with the AIRSCARF neck-level heating system, which makes open-air driving enjoyable even in low outside temperatures. AIRSCARF is likewise optionally available for the standard-fit AMG sports seats.

The air vent is seamlessly integrated into the seat's head restraint area. To meet the individual preferences of customers, the temperature of the warm airflow can be set in three stages.

Customers wishing to enjoy comfortable temperatures even on very hot summer days can also opt for the seat climate control, which is also available for the AMG Performance seats. The intensity of the climatisation can be set in three stages.

Large choice of wheel/tyre combinations

As standard the Mercedes-AMG GT S Roadster is fitted with 10-spoke light-alloy wheels painted in vanadium silver, with 9 x 19 inches (front) and 11 x 19 inches (rear) and tyre sizes 255/35 R 19 and 295/35 R 19 respectively. A host of different design and colour variants are also available as optional equipment, e.g. ultralight forged wheels in a cross-spoke design painted in matt

black with high-sheen rim flange or in polished titanium grey, both with fully integrated wheel bolt covers.

Also new are 5-twin-spoke light-alloy wheels painted in titanium grey with a high-sheen finish or in matt black with a high-sheen finish, with mixed tyres 265/35 R 19 on 9 J x 19 (front) and 295/30 R 20 on 11 J x 20 (rear).

Tailor-made optional equipment for any customer requirements

On the basis of the extensive standard equipment, the Mercedes-AMG GT S Roadster offers wide scope for individual wishes.

The AMG DYNAMIC PLUS package ensures even higher driving dynamics and even sportier handling characteristics. In addition to dynamic engine and transmission mounts it includes a more stiffly set-up sport suspension, a specific steering setup and a specific engine application. The components in detail:

- AMG Performance steering wheel in DINAMICA microfibre
- dynamic engine and transmission mounts
- yellow highlights in the instrument cluster
- specific steering setup
- specific engine application
- more stiffly set-up sport suspension

As an option the AMG rear axle steering can be ordered in conjunction with the AMG DYNAMIC PLUS package. This makes the AMG GT S Roadster even more agile, with even greater handling stability at the limits. The intelligent principle: Contrary steering in the lower speed range and same-direction steering at higher speeds act like a shorter or longer wheelbase.

The AMG Exterior Carbon-Fibre package lends more dynamism to the open two-seater from any angle. In this case the front splitter, exterior mirror housings and the diffuser in the rear apron are in the motorsport material carbon-fibre. Moreover, the air inlet grilles in the front apron are in high-gloss black, as are the air outlet grilles on the bonnet and the air outlet grilles behind the front wings, which also have carbon-fibre fins.

With the AMG Exterior Night package, numerous features in high-gloss black enhance the expressiveness and sportiness of the Roadster: the front splitter, fins in the air inlet grilles in the front apron, the air outlet grilles on the bonnet, the air

outlet grilles with fins behind the front wings, the exterior mirror housings, the trim strip in the diffuser insert and the two exhaust tailpipes are painted in high-gloss black.

The high-gloss chrome features in the AMG Chrome package include the front splitter, the fin on the air inlet grilles in the front apron, the fins in the wings and the trim strip in the diffuser.

The sales start date for the new Mercedes-AMG GT S Roadster is available to order with immediate effect. The market launch starts from July 2018.

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¹ The stated (provisional) figures were determined in accordance with the prescribed measuring method. These are the "NEDC CO₂ figures" according to Art. 2 No. 1 Implementing Regulation (EU) 2017/1153. The fuel consumption figures were calculated based on these figures.