



Mercedes-Benz



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The new Mercedes-AMG GT S Roadster

Press Information

New open-air member of the AMG GT family

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Affalterbach. Later this year, Mercedes-AMG is extending its sports car portfolio with an attractive open-air model: the new AMG GT S Roadster. With this latest addition, the AMG GT family now has a dozen members: four two-door Coupes, three Roadsters, two customer sports racing cars and three four-door Coupes. The basis for the high Driving Performance of the new AMG GT S Roadster is the combination of a lightweight aluminum spaceframe, a Handcrafted AMG 4.0-liter V8 biturbo engine, a seven-speed dual clutch transmission, a rear axle locking differential and a sport suspension with aluminum 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 190 mph

The Handcrafted AMG 4.0-liter V8 biturbo in the AMG GT S Roadster delivers an output of 515 hp and maximum torque of 494 lb-ft. This is available over a wide engine speed range from 1,900 to 5,000 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 60 mph is absolved in an estimated 3.7 seconds and the dynamic power delivery continues right up to the top speed of 192 mph.

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 catalyts. 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 center 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 percent (front) and 53 (rear) percent.

The AMG GT Roadsters at a glance

	AMG GT Roadster	AMG GT S Roadster	AMG GT C Roadster
Engine	Handcrafted AMG 4-liter V8 with twin turbocharging		
Displacement	3,982 cc		
Output	469 hp at 6,000 rpm	515 hp at 6,250 rpm	550 hp at 5,750-6,750 rpm
Peak torque	465 lb-ft at 1,700-5,000 rpm	494 lb-ft at 1,900-5,000 rpm	502 lb-ft at 1,900-5,500 rpm
Acceleration 0-60 mph	3.9 s	3.7 s est.	3.6 s
Top speed	188 mph	192 mph	196 mph
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	aluminum	aluminum	aluminum
Exhaust system	Sports exhaust system	Performance exhaust system, variable	Performance exhaust system, variable
Upholsteries	ARTICO/DINAMICA	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
Tires - 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 14.2 in / integral 14.2 in	Composite 15.4 in / composite 14.2 in	Composite 15.4 in / composite 14.2 in
Drive modes	Four: C, S, S+, I	Five: C, S, S+, I, RACE	Five: C, S, S+, I, RACE

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 center 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, 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 center 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 precision and fast control raises the limit of vehicle dynamics to a new level. It not only further improves the traction of the drive wheels, but also increases the cornering speed capability. 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.

The greatest benefit of the electronic rear-axle limited-slip differential is the even more precision and proactive control, which pushes the performance 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 15.4 x 1.42 in with 6-piston fixed calipers, with composite brake discs measuring 14.2 x 1.02 in and single-piston fixed calipers at the rear. The brake calipers are painted in red with "AMG" lettering.

There is also the option of AMG high-performance ceramic composite braking system with brake discs in size 15.8 x 1.54 in at the front axle and 14.2 x 1.26 in at the rear, together with specially painted brake calipers 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.

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 aluminum. The spaceframe and exterior parts are of aluminum, and the trunk lid too is particularly light in weight thanks to an innovative composite material. The load-bearing structure is made of SMC (Sheet Molding Compound). These high-tech composites 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-optimized: the fabric soft top

The three-layered fabric soft top is supported by a magnesium/steel/aluminum structure of low weight, which helps to keep the vehicle's center of gravity low. Additional roll-over protection is provided by an integrated aluminum 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 hood 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 bumper has a jet wing design that emphasizes 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 hood 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 equipped with mixed tires on 19-inch rims at the front and 20-inch rims at the rear.

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

AIRPANEL active air management system

The active air regulation system AIRPANEL included as standard is a particular technical highlight. Vertical louvers at the bottom of the front bumper 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 louvers 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 louvers 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 taillamp 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 paneling, a dynamic, rising center 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 performance seats are upholstered in black MB-Tex man-made leather/DINAMICA microfiber as standard. Numerous other materials and colors are also optionally available:

- Nappa leather in Black
- Nappa leather in Auburn Brown/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 Auburn Brown/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.
- Exclusive Nappa leather Style in Saddle Brown/Black,
- Exclusive Nappa leather Style in Macchiato Beige /Black,
- Exclusive Nappa leather/DINAMICA microfiber in Black with yellow contrasting topstitching,
- Exclusive Nappa leather /DINAMICA microfiber in Black with grey contrasting topstitching,
- Exclusive Nappa leather /DINAMICA microfiber 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 center console surround, air vent bezels and trim strips in the door armrests in silver chrome.

The AMG Black 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 center console surround, air vent bezels and trim strips in the door armrests in piano lacquer look.

Also optionally available are AMG trim elements in matte silver fiber-glass, carbon-fiber and matte carbon-fiber. 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.

The standard 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 equipped with the AIRSCARF neck-level heating system, which makes open-air driving enjoyable even in low outside temperatures.

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

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

Large choice of wheel/tire combinations

As standard the Mercedes-AMG GT S Roadster is fitted with AMG 10-spoke wheels painted in Titanium Grey, with 9 x 19 inches (front) and 11 x 20 inches (rear) and tire sizes 265/35 R 19 and 295/35 R 20 respectively. A host of different design and color variants are also available as optional equipment, for example ultralight forged wheels in a cross-spoke design painted in matte-black with high-sheen rim flange or in polished titanium grey, both with fully integrated wheel bolt covers.

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 an enhanced suspension profile, enhanced steering profile and a wider peak horsepower band. The components in detail:

- AMG Performance steering wheel in DINAMICA microfiber
- Dynamic engine and transmission mounts
- Yellow highlights in the instrument cluster

- Enhanced steering profile
- Wider peak horsepower band in 'M' and 'RACE' modes: 6,000 – 6,500 rpm
- Enhanced sport suspension profile

The AMG Exterior Carbon-Fiber 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 bumper are in the motorsport material carbon-fiber. Moreover, the air inlet grilles in the front bumper are in high-gloss black, as are the air outlet grilles on the hood and the air outlet grilles behind the front fenders, which also have carbon-fiber 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 bumper, the air outlet grilles on the hood, the air outlet grilles with fins behind the front fenders, the exterior mirror housings, the trim strip in the diffuser insert and the two exhaust tailpipes are painted in high-gloss black.

The Mercedes-AMG GT S Roadster will be available in U.S. dealers by late 2018. Additional details including pricing will be available closer to launch.

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About Mercedes-Benz USA

Mercedes-Benz USA (MBUSA), headquartered in Atlanta, is responsible for the distribution, marketing and customer service for all Mercedes-Benz products in the United States. MBUSA offers drivers the most diverse lineup in the luxury segment with 15 model lines ranging from the sporty CLA-Class four-door coupe to the flagship S-Class and the Mercedes-AMG GT R.

MBUSA is also responsible for Mercedes-Benz Vans and smart products in the U.S. More information on MBUSA and its products can be found at www.mbusa.com, www.mbsprinterusa.com and www.smartusa.com.

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