

The new BMW M4 GTS.

Focused motor sport expertise delivers the ultimate in driving dynamics. (At a glance.)



The BMW M4 GTS gives BMW M GmbH a new and exclusive technological showpiece which elevates the potential of the BMW M4 Coupe to another impressive new level. With its powerful, motor sport-inspired looks and high-performance technology, the BMW M4 GTS has its sights set squarely on the race track. A lap time of 7.28 minutes around the legendary Nürburgring-Nordschleife, the world's most exacting race circuit, is a clear statement of this special-edition model's exceptional abilities. At the same time, the sharpest BMW M4 of all – like its BMW M stablemates – can also hold its own on public roads. BMW M GmbH is launching the BMW M4 GTS in a special edition limited to 700 units to celebrate the 30th anniversary of the BMW M3, which has been in production since 1986. In so doing, it is highlighting the innovative flair of the BMW M engineers in developing trailblazing M technologies on the powertrain, chassis and lightweight construction front. The first high-performance special edition in the M3/M4 model range will also be available for the first time in the important North American market.

“Special-edition models like the BMW M3 GT, BMW M3 CSL, BMW M3 GTS and BMW M3 CRT have a decades-long tradition in our mid-size line-up – and that continues with the BMW M4,” says Frank van Meel, CEO of BMW M GmbH. “They sharpen the character of the BMW M brand and embody an emotionally rich and exclusive driving experience. We’ve taken a radical route with the set-up of the BMW M4 GTS to create a sports machine for the race track that delivers top-end dynamics and inspirational performance. It allows us to demonstrate what is possible today with a road-legal car. Owners can drive their BMW M4 GTS to circuits such as Spa-Francorchamps, the Nürburgring or Laguna Seca – for clubsport events, for example – and then set lap times there that raise the bar to extremely high levels for road-legal cars.”

Performance boost courtesy of innovative water injection.

At the heart of each and every BMW M model is its engine. The BMW M4 GTS uses the multi-award-winning six-cylinder in-line turbo engine from the BMW M3/M4, but adds innovative water injection technology to give the 3.0-litre unit a substantial power boost. The water injection system raises the engine's output significantly – to 368 kW/500 hp – and increases torque to 600 Nm (442 lb-ft), yet still keeps fuel economy and CO₂ emissions at the level of the BMW M4 Coupe (8.3 litres per 100 km* [34 mpg imp], 194 g/km*). This makes the BMW M4 GTS the most agile, radical and

* Fuel consumption figures based on the EU test cycle, may vary depending on the tyre format specified.

dynamically potent model in the range. It races from a standstill to 100 km/h (62 mph) in a mere 3.8 seconds and hits a limited top speed of 305 km/h (189.5 mph).

Lightweight design extends into the details.

Intelligent lightweight construction allows the BMW M engineers to limit the car's DIN kerb weight to 1,510 kilograms (ECE kerb weight: 1,585 kg). Its outstanding weight-to-power ratio of 3.0 kg/hp provides the perfect platform for a highly dynamic driving experience. The rigorous weight-saving measures extend through both the interior and exterior of the car. Inside, carbon-fibre bucket seats, a lightweight centre console, the lightweight construction of the rear seat panelling and boot area partition, and special lightweight door and side panel trim, including door pull loops in place of solid door handles, are clearly visible indications of the designers' commitment to weight-saving. The rigorous application of lightweight design can also be seen in details that are out of view. The instrument panel bracing tube is made from lightweight carbon fibre. And on the outside of the car, the newly designed bonnet, roof and adjustable front splitter are also constructed from carbon-fibre-reinforced plastic (CFRP). The adjustable rear wing, too, is cut from this light but extremely durable high-tech material. It rests on intricate, CNC-machined aluminium mounts fixed to the CFRP boot lid which likewise demonstrate how every detail, no matter how small, has been honed to minimise weight. Teaming up with the diffuser – again, made from carbon fibre – below the rear bumper, the rear wing optimises the flow of air and reduces lift at the rear axle. The exhaust system has a titanium muffler, which allows a weight saving of 20 per cent. Its emotionally rich soundtrack fits the M profile perfectly and envelops the inside and outside of the car in the ambience of the race track.

Performance-maximising equipment features.

The standard-fitted seven-speed M Double Clutch Transmission (M DCT) selects the optimum ratio for every driving situation with no interruption in the flow of power as it makes its way to the rear wheels. The driver can also select gears manually using either shift paddles on the steering wheel or the selector lever. The Drivelogic shift programs and Launch Control have been retuned to the engine's increased output. The weight-minimised, exclusive M light-alloy wheels in star-spoke 666 M Styling are forged and polished, and come in Acid Orange. They are fitted with Michelin Pilot Sport Cup 2 tyres (front: 265/35 R19, rear: 285/30 R20) which are adapted specifically to the BMW M4 GTS and therefore play a role in the car's outstanding mechanical traction and feedback through corners.

The three-way M coilover suspension specially tuned for the BMW M4 GTS can be adjusted to individual tastes and therefore also to the demands of

different race circuits. The lightweight M carbon ceramic brakes offer a well-defined pressure point and ensure outstanding deceleration even under sustained heavy loads, such as at the limit on the race track.

World-exclusive OLED technology, brilliant LED light.

The familiar two sets of twin circular headlights with four corona rings ensure the best possible illumination of the road surface. They combine cutting-edge LED (light-emitting diode) technology with BMW Selective Beam (dazzle-free high beam assistant) and Adaptive Headlights.

The L-shaped rear lights are just as distinctive as the design of the headlights. Indeed, innovative OLED rear lights will make their series-production debut in the BMW M4 GTS. OLEDs (organic light-emitting diodes) are a new kind of light source that light up over their full surface with a very homogeneous effect – unlike LED units, which emit their light in the form of points. The flat design of OLEDs (they measure just 1.4 millimetres in height) and the ability to trigger individual light modules separately open up fresh possibilities for lighting concepts and exudes the presence of exceptional precision. As such, the tail lights underline the width of the rear end, lend the car an even more eye-catching and powerful appearance and ensure it cuts a stand-out figure in both the light and dark.

The interior – focused, exclusive and committed to motor sport.

The carbon-fibre M bucket seats for the driver and passenger stick firmly with the lightweight construction theme inside the pure-bred, exclusive interior. They weigh around 50 per cent less than the sports seats in the BMW M4 Coupe, enable an ideal seating position and offer compelling long-distance comfort to go with their unbeatable levels of support. The exclusive Alcantara/Merino leather seat covering along with M stripes in the backrests, three-point seat belts and door pull loops highlight the profile of the BMW M4 GTS as a high-performance sports machine as well as the car's standalone character. The M4 GTS is fitted with different bucket-style M sports seats (including lightweight backrests with cut-outs) for the North American market, in line with local registration requirements.

The exclusive material Alcantara is also used for the M sports steering wheel, whose "12 o'clock" marker underlines the racing character of the BMW M4 GTS. In place of a rear seat bench, the BMW M4 GTS features a glass-fibre-reinforced plastic (GFRP) shelf and a rear panel in carbon-fibre sandwich construction. Both are covered in Alcantara, and together they enable a weight saving of around 40 per cent.

The optional Clubsport Package can further enhance the affinity of the BMW M4 GTS with the race track. It includes a roll bar in Acid Orange behind the front seats, a race-specification six-point harness** and a fire extinguisher.

Further information on official fuel consumption figures, specific CO₂ emission values and the electric power consumption of new passenger cars is included in the following guideline: "Leitfaden über Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen" (Guideline for fuel consumption, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <http://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html>. Leitfaden CO₂ (Guideline CO₂) (PDF – 2.7 MB)

Specifications.

The new BMW M4 GTS.



BMW M4 GTS		
Body		
No of doors/seats		2/2
Length/width/height (unladen)	mm	4698/1870/1383
Wheelbase	mm	2812
Track, front/rear	mm	1596/1604
Ground clearance	mm	108
Turning circle	m	12.2
Fuel tank capacity	app ltr	60
Cooling system incl heater	ltr	10.0
Engine oil ¹⁾	ltr	7.0
Weight, unladen, to DINEU	kg	1510/1585
Max load to DIN	kg	390
Max permissible weight	kg	1900
Max axle load, front/rear	kg	975/1000
Max trailer load,	kg	---/---
Braked (12%)/unbraked		
Max roofload/max towbar download	kg	---/---
Luggage comp capacity	ltr	445
Air resistance ²⁾	c _d x A	0.34 x 2.25
Power Unit		
Config/No of cyls/valves		In-line/6/4
Engine technology	M TwinPower Turbo technology: two MonoScroll turbochargers, High Precision Injection, VALVETRONIC fully variable valve control, Double-VANOS variable camshaft timing, water injection	
Effective capacity	cc	2979
Stroke/bore	mm	89.6/84.0
Compression ratio	:1	10.2
Fuel		min. RON 95
Max output	kW/hp	368/500
at	rpm	6250
Max torque	Nm/lb-ft	600/442
at	rpm	4000-5500
Electrical System		
Battery/installation	Ah/-	69/Luggage compartment
Alternator	A/W	209/2926
Driving Dynamics and Safety		
Suspension, front	Three-way M coilover suspension with aluminium double-joint spring-strut axle and M-specific elastokinematics	
Suspension, rear	Three-way M coilover suspension with five-link axle in lightweight construction	
Brakes, front	M carbon ceramic disc brakes vented with six-piston floating callipers	
Brakes, rear	M carbon ceramic disc brakes vented with four-piston floating callipers	
Driving stability systems	Standard: DSC incl ABS and M Dynamic Mode, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, Active M Differential linked to Integrated Chassis Management (ICM)	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter	
Steering	Electric Power Steering (EPS) with M-specific Servotronic function	
Steering ratio, overall	:1	15.0
Tyres, front/rear		265/35 ZR19 98Y 285/30 ZR20 99Y
Rims, front/rear		9.5J x 19 Light Alloy 10.5J x 20 Light Alloy

BMW M4 GTS			
Transmission			
Type of transmission		Seven-speed M double-clutch transmission with Drivelogic	
Gear ratios	I	:1	4.806
	II	:1	2.593
	III	:1	1.701
	IV	:1	1.277
	V	:1	1.000
	VI	:1	0.844
	VII	:1	0.671
	R	:1	4.172
Final drive		:1	3.462
Performance			
Power-to-weight ratio	kg/kW		3.0 (4.1)
Output per litre	kW/ltr		123.5
Acceleration	0–100 km/h	sec	3.8
In 5th gear	80–120 km/h	sec	3.0/3.8
Top speed	km/h		305
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Gearshift Indicator in manual mode, intelligent lightweight construction, on-demand operation of ancillary units, map-regulated oil pump, Li-ion battery, differential with optimised warm-up behaviour, aerodynamics (Air Curtains, Air Breathers, underside panelling, front spoiler, rear wing with gurney flap)	
Fuel Consumption ECE ³			
With standard tyres			
Urban	ltr/100 km		11.1
Extra-urban	ltr/100 km		6.7
Combined	ltr/100 km		8.3
CO ₂	g/km		194
Emission rating	EU6		

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)

¹⁾ Oil change

²⁾ Provisional data

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format