

THE FIRST-EVER BMW 2 SERIES GRAN COUPÉ.

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#2Irresistible.
The first-ever BMW 2 Series Gran Coupe.

Press Information

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1. At a Glance



#2Irresistible: The first-ever BMW 2 Series Gran Coupé. (At a Glance)

The first-ever BMW 2 Series Gran Coupé sees BMW bringing the four-door coupé concept that has already enjoyed great success in higher vehicle classes into the segment. This more dashing alternative to the classical sedan celebrates its arrival with a fresh dose of individuality, aesthetic appeal and emotional engagement, backed up by innovative control/operation and connectivity tech, excellent everyday usability and the dynamic capability for which BMW is renowned. The BMW 2 Series Gran Coupé provides a particularly alluring gateway into the BMW product range. The BMW 2 Series Gran Coupé has all the ingredients to fuel the enthusiasm of new, design-led customers in urban areas for BMW's hallmark driving pleasure. It represents an appealing addition to the model line-up, particularly in markets where the sedan body style enjoys strong popularity.

The success story of four-door BMW coupés began with the BMW 6 Series Gran Coupé and more recently with the first-ever BMW 8 Series Gran Coupé. And the market launch of the BMW 2 Series Gran Coupé will add to the family line-up. Like its larger siblings, the BMW 2 Series Gran Coupé reveals a strong focus on design with bold, sporty and emotionally rich lines, frameless side doors and a highly expressive, flamboyant appearance. And it combines these elements with a high level of everyday practicality, including excellent interior space and a large luggage compartment. As its sporting looks imply, the BMW 2 Series Gran Coupé has its sights set on establishing the dynamic yardstick in its class. The advanced BMW front-wheel-drive architecture along with an array of other technological developments, provides an outstanding toolkit for the job at hand. Furnished with cutting-edge chassis technology and innovative systems, e.g. in the field of control system technology, the four-door coupé raises the bar in terms of driving dynamics and agility. The BMW 2 Series Gran Coupé is the perfect choice for young, urban customers for whom sportiness, cutting-edge connectivity and ample on-board space rank highly.

2. Variants



Exclusive variants with specific design features.

The BMW 2 Series Gran Coupé adapts perfectly not only to a dynamic lifestyle but also to personal taste. It is available in two design variants in diesel engines – Sport Line and M Sport. The variants include special design features for the exterior and interior. They allow customers to give their car an individual character.

1. BMW 220d Sport Line (diesel)
2. BMW 220d M Sport (diesel)

Sport Line: Sport Line accentuates the car's sporty genes. At the front, BMW Kidney Grille frame in High-Gloss Chrome with grille struts in High-Gloss Black creates a dynamic first impression. On the outside, roof mouldings in body colour and air inlet inserts in High-Gloss Black further enhance the sporty look. The twin exhaust tailpipes also catch attention with Chrome trim. The sump guard at the rear comes with the main part in body color and insert trim that is painted silver. And on the inside, contrasting seams on the dashboard create a sporty ambience. The door sill insert in Aluminium has been embossed with the 'BMW' designation.

The Sport Line is available in following paintworks – Alpine White (non-metallic), Black Sapphire, Seaside Blue, Melbourne Red and Storm Bay. Upholstery combinations include Sensatec Oyster I Black or Sensatec Black I Black. The car is offered with 17-inch light alloy wheels double-spoke style.

M Sport: M Sport bestows a masculine character distinguishing itself as an elite sports model. It already exudes a familiar athleticism, thanks to the M Aerodynamics package. The front apron, rear apron and side sill on the M Sport come in body colour with side sill with Dark Shadow insert. The kidney grille has vertically designed slats in satinized Aluminium with grille frame in Chrome high-gloss. The sporty character also reflects through small but exclusive details such as the 'M' logo on the side, door sill finishers with 'M' lettering, floor mats in 'M' design and vehicle key with 'M' designation. The interior of the M Sport also features contrasting seams on the dashboard.

The M Sport is available in Alpine White (non-metallic), Black Sapphire, Melbourne Red, Storm Bay, Snapper Rocks and Misano Blue paintwork. Upholstery combinations include Sensatec Oyster I Black or Sensatec Black I Black. The car is offered with 18-inch 'M' light alloy wheels double-spoke style.

3. Design



The design: Exuding sportiness and sophistication.

- Stretched side silhouette, dynamic coupé roofline, long wheelbase
- Striking front with the familiar BMW four-eyed face and kidney grille
- Full LED headlights and newly designed LED rear lights
- Exclusive paint finishes with new exciting colours
- Sport Line with 17-inch light-alloy wheels, M Sport with 18-inch light-alloy wheels

BMW is transferring its successful Gran Coupé concept from the BMW 6 Series and BMW 8 Series ranges into the premium compact class for the first time. The BMW 2 Series Gran Coupé seamlessly reprises the elegant, premium aesthetics championed by its larger stablemates. It adds exclusive details such as contoured kidney grille bars with an eye-catching indentation and most strikingly, the all-new design of the rear lights which extend well into the centre of the rear end. They hand over to a High-gloss Black band which runs up to and encircles the centrally located BMW badge. This combination of the rear lights and connecting element makes a horizontal statement and accentuates the width of the rear.

Classical coupé silhouette with frameless side doors.

The standout characteristic of the BMW 2 Series Gran Coupé is its dynamically stretched silhouette which, like the frameless doors, is lifted from the classical coupé blueprint. The BMW 2 Series Gran Coupé measures 4,526 millimetres in length and 1,800 millimetres in width but stands just 1,420 millimetres tall. Despite its low-slung, sporty appearance, passengers are well catered for space-wise, thanks to the 2,670-millimetre wheelbase. Plus, the 430-litre load compartment can be expanded in various ways. All of this significantly increases the car's range of applications day in, day out. Large surfaces and the use of just a small number of crisp lines provide the latest evidence of the new BMW design language at work.

Low, wide, sporty.

The BMW 2 Series Gran Coupé has a sporty, low and broad-set stance on the road. Its confident appearance stems from the dynamic front end with its fresh interpretation of classical BMW icons. The slightly angled headlights with prominent BMW four-eyed face draw attention to the familiar BMW kidney grille. As on BMW coupés from higher up the model ladder, the grille takes the form of a large and connected element, as well as spreading out further to either side. In a styling tweak unique to the premium-compact four-door coupé, the kidney bars are contoured, an eye-catching vertical indentation in the bars providing a three-dimensional effect when the kidney bars are specified in Aluminium satinated.

LED headlights as standard.

The BMW 2 Series Gran Coupé is equipped as standard with full-LED headlights, which lend the car an extremely modern expression. The transparent, hexagonal tubes of the daytime driving lights form a precise and technically striking interpretation of the signature BMW four-eyed front end. The 'eyebrow' turn-signal indicators emphasise the width of the car, while the set-back headlight tubes exude dynamic performance. The upper section of the headlight housing has an aluminium look beneath the glass cover, while on the side is 'BMW LED' lettering.

Flowing roofline and prominent shoulders.

Precise lines in the flanks of the BMW 2 Series Gran Coupé, creating a fascinating interplay of light and shade, emphasise the agile proportions and hallmark elegance of a modern BMW coupé. The roofline has a graceful flow, the long window graphic visually reduces the weight over the rear end and further down, the shoulderline extending well back to the rear has an elongating effect on the body. In addition, a distinct side taper at the C-pillar injects a feeling of sportiness into the shoulder section above the powerfully contoured rear wheel arches. This also highlights the width of the car when viewed from the rear and gives it a broad stance on the road. The slim, horizontally extending rear lights reinforce this impression, especially in tandem with the High-gloss Black element connecting the two-section lights at the centrally positioned BMW badge. Like the headlights, the rear lights are full-LED as standard. They provide an all-new take on the familiar BMW 'L' shape with a single slim light element and a distinctive sweep to the side. Arranged around this element behind the red glass cover are the turn signal repeater, brake light and taillight, reversing light and rear fog light. The pared-back overall look lends the rear end a classy sense of modernity also exuded by the elaborately

shaped tailgate with four-piece styling. Chrome exhaust tailpipes with a diameter of 90 millimetres set the seal on the sporting aesthetic.

Large panoramic glass roof.

A large panoramic roof is available as standard. Featuring an infinitely variable outward-opening action and electrically actuated ventilation mode, the panoramic roof has a glass area of some 0.7 square metres. The opening in the headliner measures 74 x 72 centimetres and has an electrically operated roller blind to provide shading. A favourable acoustic environment can be maintained with the roof open thanks to a net wind deflector and a comfort position for the glass roof panel which keeps wind noise to a minimum.

4. Interior



Interior: Classy looks and ample space.

- Generous space for four passengers
- BMW Live Cockpit Professional with 10.25-inch fully digital display
- Illuminated interior trims and Ambient Lighting
- Sports Seat for driver and front passenger

The interior of the BMW 2 Series Gran Coupé combines sporting flair with exquisite materials and a use of space designed with both family life and long-distance journeys in mind. Innovative detail solutions such as the backlit trim strips underscore the modernity of the four-door coupé, while the interplay of different graining effects and texture elements behind the steering wheel, on the instrument panel and on the doors underscores the impression of dynamism and quality. Practical stowage areas further enhance the comfort and convenience factor. The various controls are geared squarely to the driver and grouped clusters make for easy operability. Access to the infotainment offering provided by the new BMW Operating System 7.0 – with gesture control (M Sport) – is via a large display grouping whose two large screens are available with a diagonal of 10.25 inches with the BMW Live Cockpit Professional. The micro-activated carbon particulate filter ensures clean and fresh air inside the cabin.

Generous rear kneeroom and a large load compartment.

The BMW 2 Series Gran Coupé belies its elegant coupé form with generous levels of cabin space – for which the car's front-wheel-drive architecture (with transverse-mounted engines and a lower centre tunnel) can take a lot of credit. Rear passengers will be welcomed by significantly easier entry with ample kneeroom. The luggage compartment holds 430 litres of gear and this can be expanded further by folding down the 40/20/40 split rear seat backrest. The rear bench can be released fully from the load compartment. The tailgate opens automatically at the press of a button.

A cockpit focused squarely on the driver.

The BMW 2 Series Gran Coupé showcases itself as a genuine driving machine. The driver looks straight out to the 10.25-inch Info Display instrument cluster. The likewise 10.25-inch high-resolution Control Display is centrally mounted, touch-sensitive and angled towards the driver in customary BMW fashion; it is positioned perfectly in their line of sight. Together, the two screens form the BMW Live Cockpit Professional, a large display grouping which the driver can configure to individual requirements. The driver-focused layout is enhanced visually by trim strips which run towards the driver and by different graining effects and textures on the instrument panel and behind the steering wheel.

Grouped control clusters.

The logical grouping of control clusters into functional units is one of the characteristic elements of current BMW interior design. The intuitive controls for the heating, air conditioning and hexagonal air vents are grouped together in the centre console below the Control Display. With the Start/Stop button and gear selector lever also located in the control panel in the lower section of the centre console, all the controls relating to driving functions are clustered together in one area. The iDrive Touch Controller is used to operate the infotainment system. In front of the selector lever is a practical stowage area which can be specified with the Wireless Charging option for smartphones.

Operation by means of iDrive Controller, touch, voice or gestures.

The BMW 2 Series Gran Coupé allows the user to combine various operating options according to the situation at hand and their preferences. In addition to the usual buttons on the centre console and steering wheel, other frontline control elements include the iDrive Touch Controller – with touchpad. The BMW Live Cockpit Professional, which includes the BMW Virtual Assistant is based on the new BMW Operating System 7.0. BMW Live Cockpit Professional brings together the fully digital display and operating system with maximum connectivity and customisability. Standout features include an adaptive navigation system and a hard-drive-based multimedia system. The gesture control comprises six different gestures, two of which can be assigned to functions of the customer's choosing. The graphics in the Control Display can be personalised and are designed to always provide drivers with the right information at the right time. The form and arrangement of the digital BMW Live Cockpit Professional reference the signature BMW four-eyed face at the front end of the car. The rev counter runs anti-clockwise and, like the speedometer, has a new, up-to-date design.

Innovative backlit trim strips.

The trim strips on the instrument panel and door panels of the BMW 2 Series Gran Coupé are finished in 'Illuminated Boston' in Sport Line and 'Illuminated Berlin' in M Sport. These innovative elements, with their compelling translucent properties, create a distinctive and appealing ambience. The trim strips retain their normal appearance in daylight, but function as decorative lighting elements with a space-shaping effect in the dark. The driver can choose from six different colours for the lighting effect. As well as choosing the colours involved, the driver can adjust the brightness of the ambient lighting to their tastes. The lighting is activated when the vehicle is unlocked or 'Living' status is selected. The desired colour and the selected brightness level are stored in the personalised key.

Newly designed Sport Seats and sensatec upholstery.

The driver and front passenger enjoy Sport seats with electrical adjustment in the BMW 2 Series Gran Coupé. The Driver can also save his / her favourite seating position through the memory function. Choice of upholstery includes Sensatec Oyster | Black and Sensatec Black | Black.

5. Powertrain, Driving Dynamics



Powertrain and chassis: Supreme agility and dynamic prowess.

- ARB technology (actuator contiguous wheel slip limitation system) from BMW i
- Neutral steering behaviour with BMW Performance Control
- Driving Experience Control with 3 different driving modes for individual driving styles

The BMW 2 Series Gran Coupé employs BMW's sophisticated front-wheel-drive architecture. The product of many years of experience amassed by the BMW Group with its front-wheel-drive models, this architecture also benefits from a transfer of technology from BMW i to the BMW core brand. The BMW 2 Series Gran Coupé brings together benchmark driving dynamics for its segment.

Components team up to deliver excellent agility.

The BMW 2 Series Gran Coupé handles with remarkable agility in front-wheel-drive guise. This is the result of the perfectly orchestrated interaction between cutting-edge chassis engineering, innovative technologies and the integrated components and control systems affecting the car's driving dynamics. The fast, precise responses of the BMW 2 Series Gran Coupé are clearly perceptible and elevate the driving experience to enviable heights.

Transfer of technology from the BMW i3.

Credit for the fleet-footed agility of the BMW 2 Series Gran Coupé goes in part to the transfer of technology from BMW i to the BMW core brand. The ARB technology (actuator contiguous wheel slip limitation system) familiar from the BMW i3s and fitted as standard in the BMW 2 Series Gran Coupé significantly improves traction when pulling away, cornering or accelerating on dry and wet roads, in mixed, snowy or icy conditions, and allows wheel slip to be controlled much more precisely and swiftly than before. ARB uses a slip controller positioned directly in the engine control unit rather than in the control unit for the Dynamic Stability Control (DSC) system. Eliminating long signal paths means that information is relayed three times quicker, while the driver perceives wheel slip being brought under control up to ten times faster. ARB technology (actuator contiguous wheel slip limitation system) works in close tandem with the DSC system to significantly reduce power understeer – a typical drawback of front-wheel-drive cars –

without the need for corrective inputs to stabilise lateral dynamics. Added to which, reducing friction improves steering feel, further adding to the sensation of nimbleness.

Neutral steering behaviour with BMW Performance Control.

ARB technology is assisted in its task by the yaw moment distribution system BMW Performance Control. Included as standard on the BMW 2 Series Gran Coupé, this feature increases handling agility by intelligently applying the brakes at the wheels on the inside of the bend before the slip threshold has been reached. This suppresses any initial understeer and gives the car neutral steering behaviour. Drivers can deactivate the DSC system if they wish to take over full control of the car's sporty handling abilities. When the DSC system is switched off, the Electronic Differential Lock Control (EDLC) function uses brake applications to simulate the effect of a mechanical limited-slip differential. Braking the unloaded front wheel on the inside of the bend prevents it from spinning and shifts drive power to the wheel on the outside of the bend, resulting in far greater grip when accelerating out of corners. Alternatively, there is the option of the DSC system's traction-optimising Dynamic Traction Control (DTC) setting which allows a greater degree of slip at the driven wheels to maximise propulsive power. System intervention to stabilise the car becomes more muted, enabling it to pull away more effectively on slippery or loose surfaces and paving the way for a sportier driving style. This lets the driver control the BMW 2 Series Gran Coupé without any assistance until defined limits are reached and therefore enjoy greater scope for exploring the car's lateral dynamics at lower speeds.

Driving modes and Launch Control.

The Driving Experience Control lets the driver choose between the standard engine and transmission settings of COMFORT mode, the more efficient ECO PRO mode and the dynamic SPORT mode. ECO PRO mode adjusts the characteristics of the Steptronic transmission and the heating/air conditioning settings to make the drive as fuel-efficient as possible. It reduces fuel consumption by up to 20 percent. Further fuel savings potential is possible with the coasting function and ECO PRO Route, which suggests an efficiency-optimised route that takes into account the volume of traffic, as well as individual driving styles and local conditions in order to suggest a route that optimises efficiency and thereby reduces fuel consumption. The coasting function allows the vehicle to coast along the road at up to 160 km/h without additional power input when the driver takes his or her foot from the gas without braking. COMFORT mode guarantees an extremely comfortable driving experience by suitably adjusting the settings of the suspension components. In the SPORT mode, all drive and suspension

settings are adjusted for more dynamic driving. The engine is more spontaneously responsive, the gears of the automatic transmission are shifted at higher speeds, the shifting points for the manual transmission are shown later, and on the whole the vehicle reacts much more directly and dynamically. Using Launch Control, ambitious drivers can achieve maximum acceleration with optimized traction from a standstill.

High body rigidity using aluminium and high-strength steels.

The body of the BMW 2 Series Gran Coupé makes intelligent use of aluminium – for the bonnet and tailgate, for instance – and high-strength steels. This material mix keeps weight down at the same time as imbuing the body structure with very high levels of bending and torsional stiffness. Bracing elements such as the standard boomerang-shaped strut in the vehicle's rear section play an important role here.

6. Engine



BMW TwinPower Turbo Engine.

- BS-VI 2-litre 4-cylinder diesel engine with BMW TwinPower Turbo technology
- 190 hp, 400 Nm torque for best-in-class performance and acceleration
- Eight-speed Steptronic sport transmission with launch control and gearshift paddles

The BMW 2 Series Gran Coupé features the diesel engine from the BMW EfficientDynamics family. A raft of individual measures have been implemented to increase the efficiency of the four-cylinder units, resulting in higher fuel economy in real-world driving conditions and lower exhaust emissions. The responsiveness have likewise been enhanced and in some cases output increased.

Powerful diesel engine with SCR emission control.

The BMW 2 Series Gran Coupé will be available from launch with an efficient yet powerful diesel unit. The petrol variant will be launched later.

The 2-litre four-cylinder BMW 220d meets the Bharat Standard-VI (BS-VI) emissions standard and generates output of 140 kW (190 hp) at 4,000 rpm and peak torque of 400 Nm from 1,750 to 2,500 rpm. All of this means the sprint to 100 km/h from rest takes just 7.5 seconds, on the way to a top speed of 235 km/h. The fuel economy of the BMW 220d engine is 18.64 Km/l and emits 142 grams of CO₂ per kilometre*.

The engine in the 220d features two-stage turbocharging with a pair of turbochargers of different sizes, resulting in even sharper response and superior efficiency. The turbocharging system comprises a low-pressure stage with variable turbine geometry and a high-pressure stage integrated fully into the exhaust manifold. To further enhance responsiveness, both turbochargers are equipped with the latest slide bearing technology. This system is controlled by means of the low-pressure stage's electrically adjustable charger vanes as well as the wastegate valve for the high-pressure stage and a compressor bypass, which are both operated pneumatically. This allows the combustion chambers to be supplied with just the right amount of compressed air given the driving situation and amount of power demanded by the driver.

The engine features a diesel particulate filter, NOx adsorption catalyst and Selective Catalytic Reduction (SCR) technology. Major upgrades to the turbocharger and common-rail direct injection system have brought about a reduction in fuel consumption and therefore CO2 emissions – at the same time as lowering other pollutant emissions.

A newly designed single-stage exhaust gas recirculation system ensures particularly effective reduction of nitrogen oxide emissions (NOX). And a refined system of sensors for the injector nozzles enables even more precise metering of the injected diesel, while maximum injection pressure has also been raised to 2,500 bar. The SCR system lowers nitrogen oxide levels in the exhaust gases by injecting a urea solution (AdBlue). The AdBlue tank can be topped up from AdBlue pumps at filling stations.

8-Speed Steptronic Sport Transmission.

The BMW 2 Series Gran Coupé comes with an eight-speed Steptronic sport transmission. Swift automatic gear changes ensure the car is driving in the highest possible gear, even when travelling at low speeds. The driver can also change gear manually using the shift paddles on the steering wheel.

Intelligent connectivity increases efficiency.

The coasting function is available with the Driving Experience Control switch set to COMFORT mode as well as in ECO Pro mode and will only decouple the powertrain in situations where performance and comfort are not compromised. If the driver suddenly lifts off the accelerator, the powertrain stays connected so that engine braking can be used to support the ensuing deceleration. For the same reason, powertrain disconnection is also prevented when approaching a junction. Engine shutdown by the Auto Start Stop function when stopping briefly at junctions or roundabouts is also avoided. Plus, the movement of vehicles ahead is monitored to determine the ideal moment for stopping and starting the engine.

*Performance data as measured in the emission test done under controlled conditions of environment, driving cycle, fuel etc. as specified in Rule 115 of Central Motor Vehicle Rules, 1989.

** BS VI equivalent Emission norms as per CMVR 115.

7. Driver Assistance Systems



Driver assistance systems: Innovative support from higher model classes.

- Parking Assistant with innovative reversing assistant
- Cruise Control with braking function

The BMW 2 Series Gran Coupé benefits from an array of innovative driver assistance systems filtering down from BMW models higher up the ladder. These systems lend the driver a helping hand both with the task of driving – in complex situations, for instance, or in monotonous driving conditions and with parking. Depending on the system in question, camera images and data gathered by ultrasonic sensors are used to monitor the vehicle's surrounding area and either alert the driver to hazards

The Cruise Control with braking function makes life easier on long-distance journeys by automatically accelerating or slowing the car to maintain the set desired speed.

Parking Assistant with innovative reversing assistant.

Extensive assistance with parking and maneuvering is also available in the BMW 2 Series Gran Coupé. Park Distance Control (PDC) with sensors at both the front and rear offers visual and acoustic signals to prevent collisions with obstacles located to the side or rear of the vehicle. The Parking Assistant goes further still by offering automatic assisted parking in spaces that are either parallel or perpendicular to the road. This system takes care of steering the car, accelerating and braking making the necessary gear selections. The Parking Assistant is also capable of automatically maneuvering out of parallel parking spaces.

The innovative reversing assistant helps the driver to exit parking spots or manoeuvre when space is limited and represents a further step towards automated driving. This feature offers the highly convenient facility of automated reversing in confined spaces or situations where the driver does not have a clear view, such as multi-storey car parks or entrances to courtyards. To do this, it stores the steering movements for any section the car has just driven forward along at no more than 36 km/h. The system is then able to reverse the vehicle for distances of up to 50 metres by steering it along exactly the same

line it took when moving forward. All the driver has to do is operate the accelerator and brake pedals and monitor the vehicle's surroundings. The reversing assistant can back the car up at a maximum 9 km/h.

8. **BMW ConnectedDrive**



BMW ConnectedDrive.

- BMW Live Cockpit Professional
- BMW Virtual Assistant – “Hey BMW”
- BMW Gesture Control with up to six commands
- Wireless charging for smartphones

BMW Live Cockpit Professional in modern design.

The BMW Live Cockpit Professional including Navigation, intelligent voice control and Apple CarPlay preparation has two classic analogue dials and a 5.1-inch, 4:3 portrait-format screen which displays information such as the car's speed, the status of the driver assistance systems and navigation instructions. The form and arrangement of the digital BMW Live Cockpit Professional reference the signature BMW four-eyed face at the front end of the car. The rev counter runs anti-clockwise and, like the speedometer, has a new, up-to-date design. The space in the centre of the display shows navigation instructions, the current location of the vehicle and relevant information about the surrounding area for the rest of the journey. The displays showing entertainment and radio station listings, navigation and orientation maps and the new onboard computer read-out can be configured by the driver according to taste. The layout of content on the central Control Display, which is optimised for touch control but can also be specified with gesture control (M Sport variant), can be personalised by adjusting the configuration of two to four pads per page. The pads at the highest level of the display show real-time data, so that the most important information can be absorbed at a glance.

As well as determining the colour and display content of the BMW Live Cockpit Professional, the Driving Experience mode selected now repeats the trick for the Control Display, creating a consistent appearance. Among the special details benefiting from this change is the personalised Welcome Scenario, with which the BMW 2 Series Gran Coupé greets the driver. This feature can now include the actual colour and equipment line of the car they are driving. The same goes for the display when calling up information on fuel consumption or fuel level via the ‘Car’ menu item.

BMW Virtual Assistant: natural interaction with the vehicle expert.

The BMW Virtual Assistant first seen in the BMW 3 Series also forms part of the control/operating concept for the BMW 2 Series Gran Coupé. Uttering the short prompt “Hey/Hi/Hello BMW” allows drivers to access various vehicle functions and obtain information simply by speaking.

The BMW Virtual Assistant is a digital character that provides casual conversation, throwing in the occasional joke or relating interesting stories (“Hey BMW, do you feel sporty?”, “Hey BMW, tell me an anecdote”). The character helps the driver, learns their preferences and is familiar with their favourite settings for example the places they drive to frequently using the navigation system (“Hey BMW, take me home”). Saying “Hey BMW, I’m cold” will prompt the car to adjust the temperature inside. One unique feature over other digital assistants is that drivers can give this one a name of their choice (for example, “Hey Charlie”).

The BMW Virtual Assistant is first and foremost a genuine BMW expert. It is familiar with virtually all of the vehicle’s functions and is able to operate them as required or even explain them clearly if necessary (“Hey BMW, how does the Gesture Control work?”). The assistant can provide current status information (“Hey BMW, is the oil level okay?”) and help answer questions (“Hey BMW, what warning messages do I have?” or “Hey BMW, how far can I drive before I need to refuel?”). It can even activate a combination of the driver’s favourite settings to enhance their well-being. For instance, saying “Hey BMW, I feel tired” triggers adjustments to the lighting mood, music and temperature, among other things, in order to make the driver feel more awake. Needless to say, the BMW Virtual Assistant also makes it easy to access the user’s choice of music and seeks out radio stations to match.

The BMW 220d Sport Line features a speaker system with 6 speakers and total output of 100 watts. In the BMW 220d M Sport, the HiFi loudspeaker system with ten speakers and 205 watts provides the requisite in-car audio experience.

Bluetooth with audio streaming, handsfree and USB connectivity ensure complete infotainment experience.

The smartphone holder integrated into the centre console allows inductive Wireless Charging for mobile phones.

BMW Gesture Control.

Hands do the talking in the BMW 2 Series Gran Coupé with the unique Gesture Control which is part of a rigorously thought-out operating concept that recognizes six pre-defined hand movements for control of a number of functions. This includes volume control, accepting or rejecting phone calls, acknowledging check control messages, closing an information window etc. There is also the option of pairing a specific gesture with an individual choice of function.

9. BMW EfficientDynamics



BMW EfficientDynamics: Ensuring exceptional efficiency.

- Segment leading efficiency thanks to optimum aerodynamics including Air Curtains and aeroblades
- BMW EfficientLightweight: intelligent mix of materials and detailed weight reduction

The innovations developed under the BMW EfficientDynamics banner form an overall package that delivers greater driving pleasure combined with lower fuel consumption and emissions. These include Steptronic Sport Automatic Transmission, Auto Start-Stop, Brake-Energy Regeneration, Electronic Power Steering, 50:50 Weight Distribution and ECO PRO mode in Driving Experience Control. The enhanced functional effectiveness of all powertrain components, intelligent energy management, the rigorous application of BMW Lightweight technology and far-reaching measures designed to optimise aerodynamics all play a role in ensuring efficiency.

The BMW 220d has a fuel efficiency of 18.64 kms/ltr* and low CO2 emissions of 142 g/km**.

On-demand cooling, optimised lines.

Systematic improvements have also been made to the aerodynamics of the BMW 2 Series Gran Coupé. The Air Curtains integrated into the outer air intakes channel the onrushing air precisely behind the front side panels, causing it to hang over the wheels like a curtain and thus reduce turbulence. The car also has smooth underbody panelling, air deflectors on the front wheel arches and vertical aeroblades, which form a unit with the roof spoiler to channel the airflow around the rear of the car to best effect. With drag coefficient (Cd) as low as 0.29, the BMW 2 Series Gran Coupé also leads the way in its segment when it comes to aerodynamics.

Intelligent energy management, ECO PRO mode with coasting function.

BMW EfficientDynamics technology employed in the BMW 2 Series Gran Coupé includes intelligent energy management. Brake Energy Regeneration enables extremely efficient power generation for the on-board power supply. The Electric Power Steering and on-demand fuel and coolant pumps work with maximum efficiency, while shorter

glow phases reduce the amount of energy required when starting the diesel engines. The Auto Start Stop function is also part of the standard specification.

ECO PRO mode – activated via the Driving Experience Control switch – also allows drivers to make use of the coasting function. At speeds between 50 and 160 km/h, the powertrain is disengaged as soon as the driver takes his or her foot off the accelerator. Further efficiency gains have been achieved with items including reduced-friction wheel bearings and tyres with lower rolling resistance.

BMW EfficientLightweight: a kilo-shedding route to enhanced agility, safety and efficiency.

An intelligent mix of materials for the body structure and chassis components of the BMW 2 Series Gran Coupé allows increased agility and enhanced safety to be combined with optimised vehicle weight. The targeted use of hot- stamped, high and ultra-high tensile steels enables reduced materials usage yet also significantly improved torsional rigidity and strength. Like the bonnet, the bumper supports and wheel swivel bearings – among other areas of the car – are made from aluminum.

The weight of the chassis has been kept low by the deployment of components such as tube-shaped anti-roll bars, output shafts and not to mention the increased use of aluminium. Added to which, the integrated BMW EfficientLightweight concept also contains solutions for construction details, such as the production of steel with optimised material strength – in the form of tailored rolled blanks – for the front bulkhead and B-pillar support beams.

*Performance data as measured in the emission test done under controlled conditions of environment, driving cycle, fuel etc. as specified in Rule 115 of Central Motor Vehicle Rules, 1989.

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The innovations developed under the BMW EfficientDynamics banner form an overall package that delivers greater driving pleasure combined with lower fuel consumption and emissions. These include Steptronic Sport Automatic Transmission, Auto Start-Stop, Brake-Energy Regeneration, Electronic Power Steering, 50:50 Weight Distribution and ECO PRO mode in Driving Experience Control. The enhanced functional effectiveness of all powertrain components, intelligent energy management, the rigorous application of BMW Lightweight technology and far-reaching measures designed to optimise aerodynamics all play a role in ensuring efficiency.

The BMW 220d has a fuel efficiency of 18.64 kms/ltr* and low CO2 emissions of 142 g/km**.

On-demand cooling, optimised lines.

Systematic improvements have also been made to the aerodynamics of the BMW 2 Series Gran Coupé. The Air Curtains integrated into the outer air intakes channel the onrushing air precisely behind the front side panels, causing it to hang over the wheels like a curtain and thus reduce turbulence. The car also has smooth underbody panelling, air deflectors on the front wheel arches and vertical aeroblades, which form a unit with the roof spoiler to channel the airflow around the rear of the car to best effect. With drag coefficient (Cd) as low as 0.29, the BMW 2 Series Gran Coupé also leads the way in its segment when it comes to aerodynamics.

Intelligent energy management, ECO PRO mode with coasting function.

BMW EfficientDynamics technology employed in the BMW 2 Series Gran Coupé includes intelligent energy management. Brake Energy Regeneration enables extremely efficient power generation for the on-board power supply. The Electric Power Steering and on-demand fuel and coolant pumps work with maximum efficiency, while shorter

glow phases reduce the amount of energy required when starting the diesel engines. The Auto Start Stop function is also part of the standard specification.

ECO PRO mode – activated via the Driving Experience Control switch – also allows drivers to make use of the coasting function. At speeds between 50 and 160 km/h, the powertrain is disengaged as soon as the driver takes his or her foot off the accelerator. Further efficiency gains have been achieved with items including reduced-friction wheel bearings and tyres with lower rolling resistance.

BMW EfficientLightweight: a kilo-shedding route to enhanced agility, safety and efficiency.

An intelligent mix of materials for the body structure and chassis components of the BMW 2 Series Gran Coupé allows increased agility and enhanced safety to be combined with optimised vehicle weight. The targeted use of hot- stamped, high and ultra-high tensile steels enables reduced materials usage yet also significantly improved torsional rigidity and strength. Like the bonnet, the bumper supports and wheel swivel bearings – among other areas of the car – are made from aluminum.

The weight of the chassis has been kept low by the deployment of components such as tube-shaped anti-roll bars, output shafts and not to mention the increased use of aluminium. Added to which, the integrated BMW EfficientLightweight concept also contains solutions for construction details, such as the production of steel with optimised material strength – in the form of tailored rolled blanks – for the front bulkhead and B-pillar support beams.

*Performance data as measured in the emission test done under controlled conditions of environment, driving cycle, fuel etc. as specified in Rule 115 of Central Motor Vehicle Rules, 1989.

** BS VI equivalent Emission norms as per CMVR 115.

10. Safety



Safety.

BMW Safety technologies include six airbags, Attentiveness Assistance, Anti-lock Braking System (ABS) with Brake Assist, ARB technology (actuator contiguous wheel slip limitation system), Dynamic Stability Control (DSC) including Dynamic Traction Control (DTC) and Electronic Differential Lock Control (EDLC), Cornering Brake Control (CBC), electric parking brake with auto hold, side-impact protection, electronic vehicle immobilizer and crash sensors, ISOFIX child seat mounting and integrated emergency spare wheel under the load floor.

Airbags and three-point seatbelts.

Airbags for driver and front passenger are an integral part of the optimally coordinated safety components in a BMW. A total of six airbags offer targeted protection: driver and front passenger airbags, head airbags for the whole side window area, and side airbags in the front seat backrests. The BMW 2 Series Gran Coupé is equipped with three-point seat belts at all seats, including pyrotechnic belt tensioners at front and belt force limiters at front with Acoustic Warning. In a relatively insignificant impact where the restraint function of the seat belt is quite sufficient, only the belt latch tensioners are activated and no airbags. The belt and airbag systems are precisely tailored to one another to ensure maximum safety.

Side-Impact Protection - Robust body, intelligent response.

An impact from the side presents particular dangers, as there is a far smaller deformation zone available to absorb the impact forces. BMW automobiles are designed with a highly effective side impact protection system. This ranges from highly stable doors and a particularly robust B column to specialized head and side protection airbags. Diagonal aluminium cross-members are embedded within each door and ensure that the doors and side walls are exceptionally strong and stiff, preventing intrusion of external objects into the cabin. Furthermore, extra-strong locks and hinges, reinforcement in the seat and armrest areas and additional synthetic absorption elements all help reduce the impact forces that are transmitted to the cabin. The functionally designed passenger cell structure provides maximum passive safety in the event of a front, side or rear impact.

Attentiveness Assistant.

The Attentiveness assistant monitors the driver's behaviour for signs of fatigue. When it detects any abnormalities, a suggestion to take a break is shown in the Control Display. Functions from 70 km/h and higher.

Anti-lock Braking System (ABS).

Even when applying the full force of braking power, the BMW remains under complete control, thanks to the Anti-lock Braking System. It uses precise regulation of the braking pressure on the individual wheels to ensure that the vehicle can always be steered easily. ABS prevents the wheels from locking, regardless of the road surface and the applied brake pressure.

Dynamic Stability Control (DSC) including Dynamic Traction Control (DTC).

Dynamic Stability Control (DSC) adds to safety by facilitating vehicle control even in adverse driving conditions or on tough surfaces. Dynamic Stability Control (DSC) is the nucleus of the chassis control systems in BMW vehicles. It ensures the highest possible levels of stability when driving, and it maximizes traction of all wheels when setting off or accelerating. It is able to detect the first signs of oversteering or understeering and helps keep the vehicle safely on course, even if the tyres have varying levels of grip.

Sophisticated sensors permanently check how the vehicle is driving. Information comes a range of sensors monitoring wheel rotation, steering angle, lateral forces, pressure and yaw (degree of rotation around the vertical axis). A simulation model stored in the DSC control unit to ensure stability ("one-/two-track model") and can be compared information coming from the steering wheel and accelerator: if there is too great a difference between the model and how the vehicle is currently travelling, DSC acts to increase stability or traction. Dynamic Stability Control (DSC) constantly assesses the vehicle's movements and ensures directional stability and traction.

Credit for the fleet-footed agility of the BMW 2 Series Gran Coupé goes in part to the transfer of technology from BMW i to the BMW core brand. The ARB technology (actuator contiguous wheel slip limitation system) familiar from the BMW i3s and fitted as standard improves traction when pulling away, cornering or accelerating on dry and wet roads, in mixed, snowy or icy conditions, and allows wheel slip to be controlled much more precisely and swiftly than before. ARB uses a slip controller positioned directly in the engine control unit rather than in the control unit for the Dynamic Stability Control (DSC) system. Eliminating long signal paths means that information is relayed three times quicker, while the driver perceives wheel slip being brought under control up to ten

times faster. ARB technology (actuator contiguous wheel slip limitation system) works in close tandem with the DSC system to significantly reduce power understeer without the need for corrective inputs to stabilise lateral dynamics. Added to which, reducing friction improves steering feel, further adding to the sensation of nimbleness.

ARB is assisted in its task by the yaw moment distribution system BMW Performance Control. Also included as standard on the BMW 2 Series Gran Coupé, this feature increases handling agility by intelligently applying the brakes at the wheels on the inside of the bend before the slip threshold has been reached. This suppresses any initial understeer and gives the car neutral steering behaviour. Drivers can deactivate the DSC system if they wish to take over full control of the car's sporty handling abilities. When the DSC system is switched off, the Electronic Differential Lock Control (EDLC) function uses brake applications to simulate the effect of a mechanical limited-slip differential. Braking the unloaded front wheel on the inside of the bend prevents it from spinning and shifts drive power to the wheel on the outside of the bend, resulting in far greater grip when accelerating out of corners. Alternatively, there is the option of the DSC system's traction-optimising Dynamic Traction Control (DTC) setting, which allows a greater degree of slip at the driven wheels to maximise propulsive power. System intervention to stabilise the car becomes more muted, enabling it to pull away more effectively on slippery or loose surfaces and paving the way for a sportier driving style. This lets the driver control the BMW 2 Series Gran Coupé without any assistance until defined limits are reached and therefore enjoy greater scope for exploring the car's lateral dynamics at lower speeds.

Cornering Brake Control (CBC).

For greater safety when braking on curves, Cornering Brake Control stabilises the BMW by applying braking pressure asymmetrically despite physically difficult conditions (e.g. the car swerving towards the inside of the bend when the wheel load changes).

Cornering Brake Control (CBC) reduces the danger of vehicle instability that can arise when the brakes are applied while taking a bend at speed. Without CBC, the load shift caused by braking can reduce traction on the wheels on the side towards the inside of the bend, thereby applying excessive load to the other side. This load imbalance may result in a loss of directional control, causing the vehicle to skid out of the curve.

CBC counteracts this tendency by asymmetrically distributing brake pressure to the left- and right-side brakes or by reducing pressure (to the rear axle), even if the driver brakes outside the normal range of ABS. The result: a significant improvement in stability and safety when applying light brake pressure, even on bends.

Crash Sensor.

The crash sensor immediately comes into play when an accident occurs and helps the vehicle's occupants to get out of the cabin as swiftly as possible. The crash sensor overrides the central locking system, unlocking all the doors and allowing the driver and occupants can leave the vehicle speedily. At the same time, the crash sensor also switches on the cabin lights and activates the hazard warning lights to alert other drivers of the situation. The battery is deactivated to avoid a short circuit.

ISOFIX.

Installing an ISOFIX child seat in the BMW 2 Series Gran Coupé is simple, thanks to the integrated ISOFIX connection points. ISOFIX is used world-wide as the standard for child-seat installation in automobiles. In a few simple steps, one can securely install the child seat on the integrated attachment points. Complicated procedures involving the seatbelts are eliminated. These are firmly anchored to the vehicle's bodyshell, making the seat extremely stable and practically eliminating any chance of it tipping. When not in use, the ISOFIX connectors disappear between the seat base and back, so that adult passengers are completely undisturbed by them. ISOFIX children seats can be used in the rear seats or in the front passenger seat; in this case, the passenger airbag must be deactivated using a key switch.

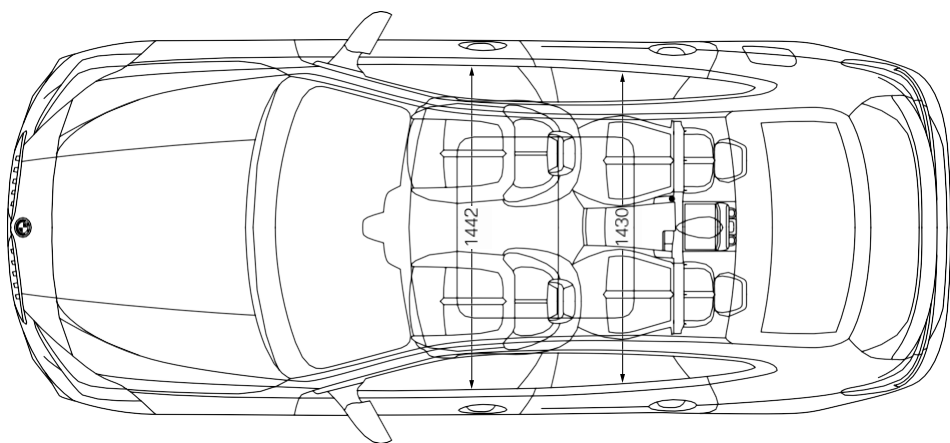
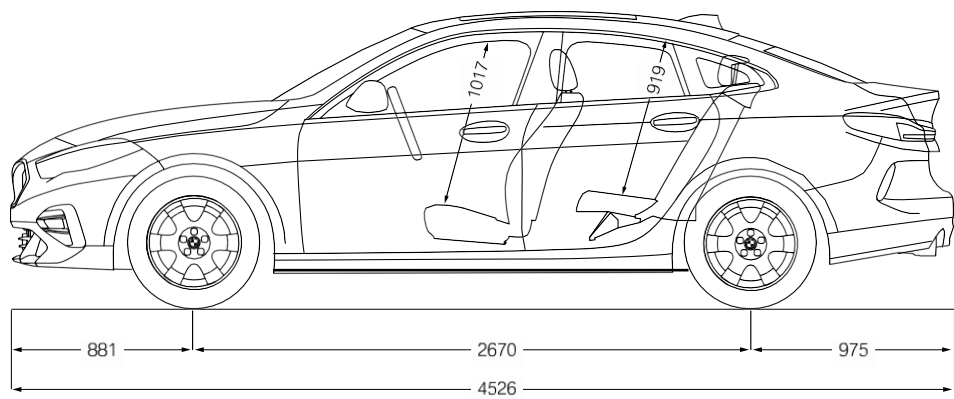
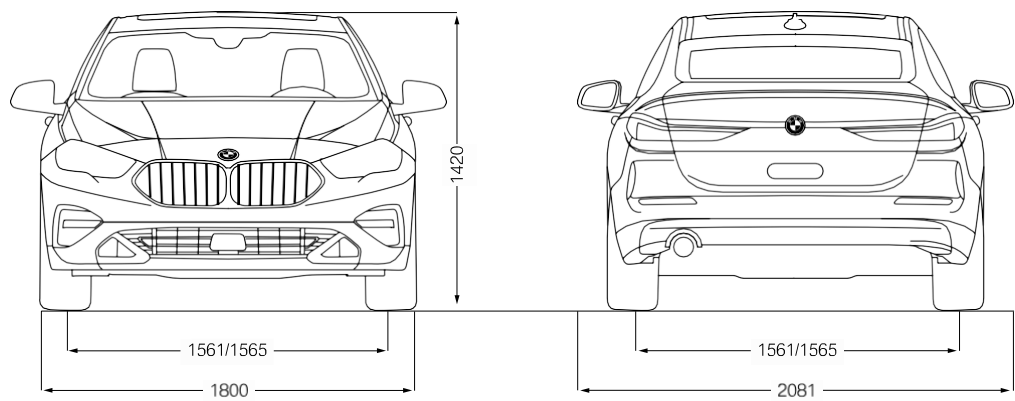
Runflat Tyres with Tyre Pressure Indicator.

In the event of a puncture, reinforced sidewalls mean the Runflat Tyres stay on the rim so that car can get to the nearest workshop. The heat-resistant rubber compound is able to withstand additional heat build-up. Tyre pressure indicators electronically monitors tyre pressure for all four wheels by means of sensors, informing the driver of a potential risk through a warning signal, as well as providing feedback on the tyre in question via the Control Display. With run-flat tyres fitted, one can continue driving for up to 120 km at a speed of up to 80 km/h without any significant loss in vehicle stability.

11. Dimensions



Exterior and Interior Dimensions.



12. Specifications



Specifications – The first-ever BMW 2 Series Gran Coupé.

BMW 220d		
Body		
No of doors/seats		4 / 5
Length/width/height ¹⁾ (unladen)	mm	4526 / 1800/ 1420
Wheelbase	mm	2670
Track, front/rear	mm	1561 / 1562
Turning circle	m	11.4
Fuel tank capacity	approx. l	50
Engine oil ²⁾	l	5.5
Weight, unladen	kg	1591
Max permissible weight	kg	2130
Max axle load, front/rear	kg	1110 / 1020
Luggage comp capacity	l	430
Air resistance	Cd x A	0.25 x 0.54
Power Unit		
Config/No of cyls/valves		In-line / 4/ 4
Engine technology	BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common-rail direct injection with solenoid valve injectors (max. injection pressure: 2000 bar)	
Effective capacity	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	140 / 190
at	rpm	4000
Max torque	Nm	400
at	rpm	1750 – 2500
Electrical System		
Battery/installation	Ah/–	70/ Engine compartment
Driving Dynamics and Safety		
Suspension, front	Single-joint spring strut axle in lightweight aluminium-steel construction	
Suspension, rear	Multi-link axle in lightweight steel construction with separate spring and damper configuration	
Brakes, front	Vented disc brakes, with single-piston floating callipers	
Brakes, rear	Vented disc brakes, with single-piston floating callipers	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB (near-actuator wheel slip limitation) technology, DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control; optional: M Sport suspension, Adaptive suspension	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, tyre defect indicator	
Steering	Electric Power Steering (EPS) with Servotronic function; M Sport steering	
Steering ratio, overall	:1	14/ 15
Tyres, front/rear	225/45 R17 225/40 R18	
Rims, front/rear	7.5J x 17 8J x 18 light-alloy	

BMW 220d			
Transmission			
Type of transmission		8-speed Steptronic	
Gear ratios	I :1	5.519	
II	:1	3.184	
III	:1	2.05	
IV	:1	1.492	
V	:1	1.235	
VI	:1	1	
VII	:1	0.801	
VIII	:1	0.673	
R	:1	4.211	
Final drive	:1	2.666	
Performance			
Power-to-weight ratio (DIN)	kg/kW	10.8	
Output per litre	kW/l	70.2	
Acceleration	0–100 km/h s	7.5	
In 5th gear	80–120 km/h s	–	
Top speed	km/h	233	
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function, BMW EfficientLightweight, optimised aerodynamic attributes, on-demand operation of ancillary units, map- controlled oil pump, detachable a/c compressor, final drive with optimised warm-up behaviour	
Fuel Consumption			
Combined	Km/l	18.64	
CO ₂	g/km	142.0	