

# The all-new BMW 4 Series Convertible. Contents.



<b>Model variants at launch.</b> .....	2
<b>Vehicle concept and design.</b> Exclusive showcase of dynamism and elegance. ....	4
<b>Body and softtop roof.</b> Freedom and driving pleasure in a restyled look. ....	10
<b>Engines, transmissions and BMW xDrive.</b> Sublime power for captivating sporting prowess. ....	15
<b>Chassis technology.</b> Perfect blend of performance and comfort. ....	20
<b>Interior and equipment.</b> Premium ambience with an individual touch. ....	24
<b>Driver assistance systems.</b> Enhanced comfort and safety in all situations. ....	29
<b>Display and operating system, BMW Connected and ConnectedDrive.</b> The latest digital services for intelligent connectivity. ....	33

# The all-new BMW 4 Series Convertible. Model variants at launch.



## **BMW 420i Convertible:**

Four-cylinder in-line petrol engine, eight-speed Steptronic transmission.  
Capacity: 1,998 cc, output: 135 kW/184 hp at 5,000 – 6,500 rpm,  
max. torque: 300 Nm (221 lb-ft) at 1,350 – 4,000 rpm.  
Acceleration [0 – 100 km/h (62 mph)]: 8.2 seconds,  
top speed: 236 km/h (147 mph).  
Fuel consumption, combined: 6.1 – 5.7 l/100 km (46.3 – 49.6 mpg imp),  
CO<sub>2</sub> emissions, combined: 140 – 131 g/km, exhaust standard: Euro 6d.

## **BMW 430i Convertible:**

Four-cylinder in-line petrol engine, eight-speed Steptronic transmission.  
Capacity: 1,998 cc, output: 190 kW/258 hp at 5,000 – 6,500 rpm,  
max. torque: 400 Nm (295 lb-ft) at 1,550 – 4,400 rpm.  
Acceleration [0 – 100 km/h (62 mph)]: 6.2 seconds,  
top speed: 250 km/h (155 mph).  
Fuel consumption, combined: 6.4 – 6.0 l/100 km (44.1 – 47.1 mpg imp),  
CO<sub>2</sub> emissions, combined: 147 – 138 g/km, exhaust standard: Euro 6d.

## **BMW M440i xDrive Convertible:**

Six-cylinder in-line petrol engine, 48V mild hybrid technology (8 kW/11 hp),  
eight-speed Steptronic Sport transmission, BMW xDrive.  
Capacity: 2,998 cc, output: 275 kW/374 hp at 5,500 – 6,500 rpm,  
max. torque: 500 Nm (369 lb-ft) at 1,900 – 5,000 rpm.  
Acceleration [0 – 100 km/h (62 mph)]: 4.9 seconds,  
top speed: 250 km/h (155 mph).  
Fuel consumption, combined: 7.4 – 6.9 l/100 km (38.2 – 40.9 mpg imp),  
CO<sub>2</sub> emissions, combined: 169 – 159 g/km, exhaust standard: Euro 6d.

## **BMW 420d Convertible:**

Four-cylinder in-line diesel engine, 48V mild hybrid technology (8 kW/11 hp),  
eight-speed Steptronic transmission.  
Capacity: 1,995 cc, output: 140 kW/190 hp at 4,000 rpm,  
max. torque: 400 Nm (295 lb-ft) at 1,750 – 2,500 rpm.  
Acceleration [0 – 100 km/h (62 mph)]: 7.6 seconds,  
top speed: 236 km/h (147 mph).  
Fuel consumption, combined: 4.5 – 4.2 l/100 km (62.8 – 67.3 mpg imp),  
CO<sub>2</sub> emissions, combined: 119 – 111 g/km, exhaust standard: Euro 6d.

**BMW 430d Convertible** (est. available from July 2021):

Six-cylinder in-line diesel engine, 48V mild hybrid technology (8 kW/11 hp), eight-speed Steptronic transmission.

Capacity: 2,993 cc, output: 210 kW/286 hp at 4,000 rpm, max. torque: 650 Nm (479 lb-ft) at 1,500 – 2,500 rpm.

Acceleration [0 – 100 km/h (62 mph)]: 5.9 seconds, top speed: 250 km/h (155 mph).

Fuel consumption, combined: 5.6 l/100 km (50.4 mpg imp)\*,

CO<sub>2</sub> emissions, combined: 147 g/km\*, exhaust standard: Euro 6d.

**BMW M440d xDrive Convertible** (est. available from November 2021):

Six-cylinder in-line diesel engine, 48V mild hybrid technology (8 kW/11 hp), eight-speed Steptronic Sport transmission, BMW xDrive.

Capacity: 2,993 cc, output: 250 kW/340 hp at 4,400 rpm, max. torque: 700 Nm (516 lb-ft) at 1,750 – 2,250 rpm.

Acceleration [0 – 100 km/h (62 mph)]: 5.1 seconds, top speed: 250 km/h (155 mph).

Fuel consumption, combined: 6.3 l/100 km (44.8 mpg imp)\*,

CO<sub>2</sub> emissions, combined: 165 g/km\*, exhaust standard: Euro 6d.

All figures relating to performance, fuel/electric power consumption and emissions are provisional.

All of the stated model variants, equipment features, technical data, fuel/electric power consumption and emissions figures relate to the offering in the German market. Dimensions and measurements refer to vehicles with basic configuration in Germany. These may vary depending on the wheel/tyre size and items of optional equipment selected.

The fuel consumption, CO<sub>2</sub> emissions, electric power consumption and operating range figures are determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The figures are based on the new WLTP test cycle and translated back into NEDC-equivalent values in order to ensure comparability between the vehicles (\*Predicted figures based on the WLTP test cycle). With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions, the CO<sub>2</sub> values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

# Vehicle concept and design.

## Exclusive showcase of dynamism and elegance.



The standout element of the models in the new BMW 4 Series range is the carefully judged enhancement of their sporting abilities. And now, this can also be combined with the pleasure of open-top motoring. With its sensational styling, brand new roof design, diverse line-up of engines, top-class chassis technology and innovative equipment features, the new BMW 4 Series Convertible packages driving pleasure in a particularly exclusive form. The open-top four-seater follows the lead of the new BMW 4 Series Coupé by featuring a standalone design with a notably sharper profile than its predecessor. Its distinct vehicle concept with model-specific body structure and bespoke chassis tuning instils the new BMW 4 Series Convertible with exceptional dynamic flair. This also serves to distinguish it more clearly than ever from the new 3 Series Sedan, which provided the technological blueprint for the new BMW 4 Series range.

BMW has a long-standing tradition of fusing the brand's hallmark sporting prowess with the pleasure of open-top driving in a premium midsize model. It was 35 years ago that the first ever BMW 3 Series Convertible was unveiled at the IAA international motor show in Frankfurt. The open-top four-seater car was an instant hit with its graceful silhouette, low, horizontal shoulderline and a seating position that further intensified contact with the outside world. Unrivalled in its segment, this formula for generating supreme driving pleasure under the open sky has been consistently refined by each successive model generation, with the new BMW 4 Series Convertible now the sixth generation to deliver a contemporary take on the original concept.

As it has evolved, the midsize BMW convertible has also acquired an increasing sense of independence in terms of its design, body and specification, and this was reflected by a separate model name for the first time in the predecessor to the new BMW 4 Series Convertible. The latest edition stands apart from the 3 Series Sedan even more distinctly. The advances over the outgoing model manifest themselves predominantly in clearly superior performance capabilities and the new panel bow softtop design that combines the practical benefits of a retractable hardtop with the puristic appeal of a fabric hood – the best of both worlds, in other words.

The new BMW 4 Series Convertible will be launched worldwide starting in March 2021. It will be built at BMW Plant Dingolfing, the BMW Group's

largest production facility in Germany and home to the BMW 8 Series Convertible and its siblings. Other models rolling off the production line at Dingolfing include the BMW 5 Series, BMW 6 Series Gran Turismo and BMW 7 Series luxury sedan.

**Exterior design: distinctive proportions create an aura of sportiness and elegance.**

With its dynamically stretched proportions the new BMW 4 Series Convertible makes no secret of either its class-leading sporting prowess or the stylish elegance inherent in an open-top four-seater built for exclusive driving pleasure. At the same time, the brand's new design language has produced a striking interpretation of the low-slung silhouette that is traditionally a defining feature of premium midsize BMW convertibles. This aspect is particularly noticeable with the roof down and combines with the powerfully sculpted surfaces to bring the sporty nature of the new 4 Series Convertible prominently to the fore.

The newcomer's elegant yet powerful presence also stems from its larger exterior dimensions. At 4,768 millimetres, it is 128 mm longer than its predecessor, while width has increased by 27 mm to 1,852 mm and wheelbase has grown by 41 mm to 2,851 mm. The vehicle height is 1,384 mm with the roof closed. Increased track widths (+ 28 mm at the front and + 18 mm at the rear) accentuate the car's muscular stature while also having a beneficial effect on its sporty handling qualities. The fine balance between sportiness and elegance for which BMW is renowned shines through again in the long bonnet, short overhangs and long doors with frameless windows.

**Front end includes expressive styling accents with a rich tradition.**

As well as the car's proportions, it is the front end of the new BMW 4 Series Convertible that most vividly highlights its standalone character and distinguishes it most clearly from the new BMW 3 Series Sedan. Its defining element is the large, vertical BMW kidney grille, which takes pride of place at the centre of the open-top four-seater's front end, just as on the new BMW 4 Series Coupé. The kidney grille, with its pronounced forward slant, employs air intakes with a standard mesh structure, indicating the high quantity of cooling air required for the powerful engine behind the scenes. Its upright elements connected in the centre reprise a design feature from the brand's past – one familiar from legendary classics such as the BMW 328 and BMW 3.0 CSi – while adding a modern twist.

The BMW kidney grille extends down almost to the lower edge of the front apron and is framed by crisp, precisely sculpted surfaces. Like the contours

of the headlights, the bonnet's arrow-shaped lines zero in on the kidney grille. The optional LED fog lights and the likewise vertically designed Air Curtains positioned at the outer edges merge harmoniously into the elegantly styled surfaces.

### **LED headlights as standard, BMW Laserlight optional.**

Alongside the BMW kidney grille, the extremely slim headlights also do their bit to give the front end of the new BMW 4 Series Convertible its arresting appearance. With outlines that cut deep into the front wheel arches and taper towards the kidney grille and light sources in a side-by-side arrangement, they create the focused gaze on the road that has become a signature design cue of the BMW brand. The new BMW 4 Series Convertible comes as standard with full-LED headlights whose sophisticated lighting technology is visible in detail. This includes two slender, U-shaped fibre-optic light guides that serve as the daytime driving lights. And the turn indicators come in the form of three high-quality glass blades at the outer reaches of the headlight units.

Among the items on the options list for the new BMW 4 Series Convertible are Adaptive LED Headlights with BMW Laserlight including BMW Selective Beam non-dazzling high beam assistant. Here, low and high beam are generated from both the headlights' outer and inner light sources. This equipment item also comes with the cornering light and adaptive cornering functions with variable road illumination optimised for urban and motorway driving. At speeds above 60 km/h (37 mph), BMW Laserlight increases high-beam range to a maximum 550 metres and follows the course of the road dynamically. Three-dimensional hexagonal fibre-optic light guides supply the daytime driving lights. Each of the outer daytime driving light elements also doubles as a turn indicator.

BMW Laserlight can be easily identified by the blue inlays at the upper edge of the headlight units. Both LED light variants are available in BMW Individual lights Shadowline form, with darkened inlays adorning their upper edges.

### **Elegant silhouette, distinctive roofline, striking rear.**

The dynamically stretched side profile helps to give the new BMW 4 Series Convertible a low-slung look that exudes sporty flair, while the powerfully contoured surfaces intensify its athletic character. The far-back positioning of the seats also becomes particularly conspicuous when the roof is open. This guarantees the open-top driving experience readily associated with BMW convertibles, highlighted by the sun on your face and wind in your hair. When closed, the softtop roof gracefully arches over the passenger cell, with its compact form creating a distinctive and eye-catching notchback silhouette.

In the area around the rear wheel arches, precise lines and three-dimensionally sculpted surfaces combine to form powerful shoulders that give the new BMW 4 Series Convertible a broad-set, muscular appearance, particularly with the roof down. This impression is reinforced by the slim rear light units extending well into the flanks. The lights are stylishly darkened, with their rear light bars illuminating uniformly to reproduce the L shape familiar from other BMW models. Vertically arranged apertures at the outer edges of the clearly structured rear apron mimic the appearance of the Air Curtains at the front. Dual-branch tailpipes – circular or trapezoidal, depending on the model variant – frame the lower section of the rear apron.

**M Sport model with characteristic design; model-specific accents for the flagship variants of the new BMW 4 Series Convertible.**

The new BMW 4 Series Convertible is also available in M Sport form as an alternative to standard specification. This equipment variant adds extra-large outer air intakes in the front apron and a strikingly sculpted rear apron with an inlay in Dark Shadow and a diffuser element in High-gloss Black to reinforce its dynamic aura. Other design features gracing the M Sport model include air intake trim elements, side trim strips and exterior mirror bases in a High-gloss Black finish. In cars featuring optional BMW Individual High-gloss Shadowline trim with extended features, the kidney grille surround and exhaust tailpipe finishers also sport a classy dark colour scheme.

As well as the body features of the M Sport model designed to optimise the supply of cooling air and aerodynamics, the BMW M440i xDrive Convertible and BMW M440d xDrive Convertible also come with a kidney grille surround, air intake trim, exterior mirror caps and trapezoidal exhaust tailpipe finishers in Cerium Grey. A rear apron inlay in High-gloss Black provides an additional flourish. Added to which, BMW M cars and the M Sport model can be specified with an M Carbon exterior package, which comprises air intake finishers for the front-wings, exterior mirror caps and a diffuser element in the rear apron all made from carbon-fibre-reinforced plastic (CFRP).

**Wide range of exterior colours and BMW Individual paint finishes, plus two softtop colours to choose from.**

The two non-metallic paint shades Black and Alpine White, plus the Sapphire Black metallic, Mineral White metallic, Bluestone metallic, Sunset Orange metallic, Portimao Blue metallic, Arctic Race Blue metallic and new San Remo Green metallic options are available from launch for the new BMW 4 Series Convertible. Customers can also choose from the BMW Individual paint finishes Dravite Grey metallic and Tanzanite Blue metallic. And for a guaranteed highly exclusive look, the new 4 Series Convertible can also be specified in a number of BMW Individual special paint finishes, including the

visually expressive matt shimmer of Frozen Portimao Blue metallic and Frozen Deep Grey metallic.

The softtop roof comes in two variants to match the selected body colour. As an alternative to the standard Black, it is also available in an Anthracite Silver effect finish, which gives the fabric a classy metallic shimmer, especially in direct sunlight.

**Interior: driver-centric cockpit design and four seats immersed in a premium ambience of sporting elegance.**

The blend of sportiness and elegance that characterises the new BMW 4 Series Convertible is carried through into the cabin. The driver-centric cockpit design is further enhanced by the large screen grouping of instrument cluster and Control Display. Together with the ergonomically optimised arrangement of the controls, this helps to focus the driver's attention on the road ahead. Standard equipment includes sports seats in the front with ergonomically designed belt feeders that make it easier for the driver and front passenger to fasten their seat belts. The high-set centre console combines with the harmoniously coordinated surface structuring of the instrument panel and door panel trim to create an enveloping environment for the front seat occupants. In the BMW M440i xDrive Convertible, BMW M440d xDrive Convertible and M Sport model option, the outer edges of the centre console have knee pads to encourage a sporty driving style.

Standout features specific to the Convertible's interior include the smartly styled shoulder panelling, with unbroken trim edging which sweeps around the entire cabin. Subtly styled domes on the rear shelf echo the shape of the rear head restraints. The rear seats have a clear individual seat design, underscored by the rear centre armrest's built-in storage and cup holder module.

Horizontal lines define the structure of the elegantly designed instrument panel in the new BMW 4 Series Convertible. Its width is further emphasised by the contours and high-quality electroplated strips extending into the door areas. At the centre of the panel is a sharply designed unit accommodating the displays and buttons for the air conditioning and the central air vents. The start/stop button for the engine is now positioned in a classy control panel in the centre console, where the newly designed selector lever is joined by the iDrive Controller and the buttons for the Driving Experience Control switch and electromechanical parking brake. The light functions are operated from a panel of buttons next to the steering wheel.

High-quality interior trim strips also play a role in the modern premium ambience of the new BMW 4 Series Convertible's cabin. Standard specification includes interior trim strips in High-gloss Black with accent strips in Pearl-effect Chrome, while five alternatives – among them open-pore fine wood and Aluminium Mesh Effect – can be selected from the options list. Three BMW Individual interior trim strip variants are also available.

**M Sport model and BMW M models: exuding dynamism inside and out.**

Exclusive design cues inside the M Sport model shine a further spotlight on its exceptionally dynamic character. Sports seats with M-specific Vernasca leather upholstery, an M leather steering wheel, door sill plates bearing the M logo and interior trim strips in Aluminium Tetragon with accent strips in Pearl-effect Chrome lend visual power to the richly engaging driving experience. Model lettering in the digital instrument cluster display also points to the special status of the BMW M440i xDrive Convertible and BMW M440d xDrive Convertible.

# Body and softtop roof. Freedom and driving pleasure in a restyled look.



The new BMW 4 Series Convertible is the perfect place to indulge in the pleasures of sporting performance while also enjoying the exclusive experience of open-top driving. To endow the open-top four-seater car with more agile and precise handling qualities, it is built around an independently designed body structure, just like its 4 Series Coupé sibling. Body stiffness has been increased by means of additional bracing elements engineered specifically for the convertible model. The optimised weight, almost perfect 50:50 weight distribution (depending on engine variant and equipment), low centre of gravity, excellent aerodynamics and stiff chassis mountings are additional factors in the sporty handling of the new BMW 4 Series Convertible.

The construction of the roof also bears testimony to the vehicle concept's unwavering commitment to delivering an intensely sporty driving experience. An innovative panel bow softtop has been purpose-developed for the new BMW 4 Series Convertible and combines the solidity and all-weather capabilities of the retractable hardtop fitted on its predecessor with the classical appeal of a fabric hood. The new softtop design sets class-leading standards in terms of styling, premium feel, and thermal and acoustic comfort.

## **Harmonious design, optimised weight: the new softtop.**

The softtop's new panel bow design enhances the appearance and comfort of the new BMW 4 Series Convertible at the same time as improving driving dynamics and everyday usability. It comprises large panel bow elements with a paper-honeycomb construction, a flush-fitting glass rear window, several layers of insulation and a fabric cover available in two colours. The softtop pulls taut over the passenger cell when closed, with the high-grade fabric material lying flat on the joint-free arrangement of adjacent panel bow elements, meaning that neither their contours nor the softtop frame shows through the surface. The result is a coupé-like roofline with a puristic softtop feel.

The panel bow softtop is some 40 per cent lighter than the predecessor car's retractable hardtop. At the same time, its levels of acoustic and thermal comfort are far superior to a conventional softtop's. The smooth surface, meanwhile, reduces wind noise in the cabin while also having a positive impact on the new model's aerodynamic properties. The effective insulation makes it easier to heat up the interior in low outside temperatures,

and the occupants in the front also benefit from 5 millimetres more headroom than before.

When the roof is opened, the panel bow elements stack one above the other in a single flowing movement before being stowed away beneath the softtop lid, which tilts back at the same time. The three fixed segments of the fabric cover also fold together in a compact Z before disappearing into the softtop compartment. The softtop opens and closes quietly and efficiently thanks to its electric drive mechanism.

The opening and closing process is initiated by pressing a button on the centre console and takes around 18 seconds. After closing the roof, the side windows are automatically raised. The new BMW 4 Series Convertible also takes sudden changes in the weather conditions in its stride, as the softtop can also be quickly opened and closed while travelling at up to 50 km/h (31 mph). And if the Comfort Access option is fitted, the roof can also be operated by remote control.

#### **Variable softtop compartment, high-quality wind deflector.**

The panel bow softtop's compact construction and intelligent stowage mechanism mean that it takes up far less space in the rear of the new BMW 4 Series Convertible and also offers a 40 per cent weight saving over the retractable hardtop on the outgoing model. When driving with the top down, the boot can hold 300 litres of luggage, an increase of 80 litres. And when the roof is closed, the variable softtop compartment's flap can be simply moved into a vertical position by hand from the boot, raising the cover that marks the bottom of the compartment in the process. This creates additional space for luggage, increasing boot capacity to 385 litres – 15 litres more than previously.

A through-loading facility to the rear compartment now comes as standard. This means that very long items of luggage or other large objects can be securely carried by folding the rear backrest down. To prevent damage to the roof, the variable softtop compartment features an overloading safeguard that stops the softtop from opening when the boot space is full to capacity.

The optional wind deflector ensures effective control of the airflow through the cabin. It can be attached in the rear of the new BMW 4 Series Convertible or removed again in just a few simple steps, with the roof either up or down. The wind deflector consists of two mesh elements each enclosed by a frame and is designed to reduce wind noise and unwanted air turbulence in the car's interior. The wind deflector's upper frame element can be raised into position by hand. The deflector can be completely folded up and either stored in the

ideally designed bag supplied with it or placed in a storage compartment behind the rear backrest to keep it within reach at all times, even when carrying luggage.

### **Optimised aerodynamics and intelligent lightweight design.**

The car's distinctive design, the softtop's innovative construction and the model-specific proportions help to give the new BMW 4 Series Convertible a far more dynamic look than the model it replaces, at the same time as putting clear water between it and the new BMW 3 Series Sedan in terms of overall identity. It has a long wheelbase and a rear track 23 millimetres wider than the 3 Series Sedan's, which creates the perfect recipe for balancing supreme ride comfort with excellent cornering dynamics.

Despite the switch from retractable hardtop to new panel bow fabric roof, the new BMW 4 Series Convertible betters its predecessor for aerodynamic performance. Its low drag coefficient ( $C_d$ ) of 0.27 (BMW 420d Convertible) is unsurpassed by its competitors and a mere 0.02 off the ultra-low figure for the new BMW 4 Series Coupé. The particularly sleek softtop roof, an almost completely sealed underbody, improved air flap control, Air Curtains, an aerodynamically designed boot lid with the aeriels integrated out of sight and numerous other measures all help to keep drag to a minimum.

The weight-saving design of the new BMW 4 Series Convertible's body and chassis components has a beneficial effect on both agility and efficiency. Intelligent lightweight design results in targeted optimisation of each component's weight and functional properties. The front end of the new BMW 4 Series Convertible uses an engine side member made from extruded aluminium profiles and die-cast aluminium spring struts. The bonnet, front side panels and doors also have an aluminium construction, and this alone shaves around 20 kilograms off the weight of the predecessor model. Moving to the rear, the boot lid itself is thermoplastic while a material made out of natural fibres is used for the boot lid lining, helping to reduce weight and preserve resources.

### **Extremely stiff body structure with additional convertible-specific bracing.**

The intelligent mix of materials helps to minimise vehicle weight and combines with optimised load paths to enhance the body's rigidity and crash safety. The agile handling abilities and precise steering characteristics of the new BMW 4 Series Convertible are achieved in part through targeted measures for increasing the stiffness of the body structure and suspension mountings. Like the new BMW 4 Series Coupé, the open-top model is fitted with a shear panel for connecting the front spring strut towers to the

bulkhead, integral tower-to-front end struts and bracing elements in the rear axle area.

An additional pair of struts for reinforcing the vehicle's rear end gives it superior straight-line stability and greater poise under high lateral acceleration. Other model-specific features for the convertible include side skirts with extreme torsional rigidity, a double heel board, an aluminium shear panel low down in the front end, a reinforced transmission tunnel in the rear compartment and a likewise extremely rigid floor plate at the rear. As a result, static torsional rigidity of the new BMW 4 Series Convertible is up by four per cent overall compared to its predecessor.

### **Complete passive safety concept including rollover protection system.**

A comprehensive passive safety concept maximises occupant protection in an extremely wide range of collisions and factors in the requirements of crash testing procedures in car markets around the world. Alongside the super-stiff passenger cell and highly resilient supporting structures, it also includes integrated safety electronics which deploy the restraint systems in the right sequence, at the optimum moment and with the required effect for the type and severity of the collision at hand.

The hot-stamped steels and aluminium alloys used for the safety passenger cell are supplemented by multi-phase steels for extra reinforcement. The reinforced side skirts are manufactured from tailored rolled steel blanks with varying wall thicknesses to cater for the different loads. There are also high-strength side impact members in the doors and sturdy seat cross-members to reduce deformation depth in the event of a side-on collision. The full ensemble of restraint systems comprises three-point inertia-reel seatbelts with belt tensioners on all seats, as well as front, head and side airbags whose deployment is controlled by the central safety electronics. A further integral element is the new BMW 4 Series Convertible's rollover protection system. It is triggered automatically the instant the data analysed by the central safety electronics indicates the car is at risk of turning over. The system consists of two protective bars made from high-strength aluminium and fitted out of sight behind the rear-seat head restraints. In hazardous situations, the pre-tensioned bars are extended by a pyrotechnic charge in a fraction of a second, and combine with the extremely sturdy windscreen frame to create a survival space for the occupants.

The new BMW 4 Series Convertible is also equipped as standard with an active bonnet system to optimise pedestrian protection. Pyrotechnic

actuators raise the bonnet if the vehicle collides with a pedestrian, creating more deformation space between the bonnet and the hard underlying structures.

# Engines, transmissions and BMW xDrive. Sublime power for captivating sporting prowess.



Instantaneous power delivery, a vigorous appetite for revs and exceptional refined performance are the common denominators of the engines offered for the new BMW 4 Series Convertible. The various petrol and diesel units with either four or six cylinders are all members of the current Efficient Dynamics family. They boast the latest BMW TwinPower Turbo technology, which helps to reduce fuel consumption and emissions figures in exemplary fashion. Meanwhile, the introduction of mild hybrid technology with a 48V starter-generator gives a further boost to efficiency with the added benefit of even sharper response. The exhaust gas aftertreatment technology has also been improved, as a result of which all model variants comply with the Euro 6d emissions standard.

Thanks to their outstanding capabilities, the power units lend themselves to both sporty driving and relaxed cruising in the new BMW 4 Series Convertible. The range now peaks with the new BMW M440i xDrive Convertible, whose exceptionally powerful six-cylinder in-line petrol engine propels it to exceptional feats of performance. The new BMW 4 Series Convertible will also be available with a choice of two four-cylinder petrol units and a four-cylinder diesel from launch. The line-up is set to expand further with the arrival of two straight-six diesel engines over the course of 2021.

All the engines link up as standard with an eight-speed Steptronic transmission offering not just optimised efficiency and sharper shift dynamics, but also the optional Sprint function – a new route to an even sportier driving experience. The engine's power is fed to the road via either classical rear-wheel drive or, in the case of the extremely potent BMW M440i xDrive Convertible and BMW M440d xDrive Convertible flagship models, intelligent all-wheel drive.

## **Mild hybrid technology optimises efficiency and sprinting ability.**

The straight-six petrol unit in the new BMW M440i xDrive Convertible and all the diesel engines available for the open-top four-seater employ mild hybrid technology, which both optimises efficiency and sharpens power delivery. Fitting a 48V starter-generator and second battery greatly increases the scope for utilising Brake Energy Regeneration and the electrical power it produces. This energy can be supplied to the 12V electrical system or used for generating additional drive power. The 48V starter-generator acts like

an electric drive unit that assists the engine and also delivers an electric boost effect when accelerating. By instantly putting an extra 8 kW/11 hp on tap, it ensures even swifter response off the line and even quicker bursts of speed when already on the move.

Thanks to the 48V battery's extra storage capacity, electricity can be generated almost exclusively by harvesting braking energy. This lightens the combustion engine's workload and increases its efficiency. The powerful starter-generator has the additional benefit of allowing the engine to be switched off and restarted very swiftly with remarkably little vibration when the coasting and Auto Start Stop functions are in use. Under braking on the approach to a junction or the end of a queue of traffic, for example, the engine can be switched off as soon as the car's speed drops below 15 km/h (9 mph). And if the coasting function is activated, the engine is also completely deactivated rather than just being decoupled from the drivetrain. What's more, this function is now available not just in ECO Pro mode but also COMFORT mode. When the Steptronic transmission is in eighth gear, the driver is also able to engage coasting mode by operating the upshift paddle on the right of the steering wheel.

### **Six-cylinder in-line petrol engine in the BMW M440i xDrive Convertible delivers smile-inducing performance.**

The trio of petrol engines available for the new BMW 4 Series Convertible feature latest-generation BMW TwinPower Turbo technology, comprising a twin-scroll turbocharger, a High Precision Injection system whose maximum pressure has been upped from 200 to 350 bar, VALVETRONIC fully variable valve timing and Double-VANOS variable camshaft timing, along with cooling and oil supply systems that are now even more efficient. Petrol particulate filters have been added to improve emission control.

The straight-six unit under the bonnet of the new BMW M440i xDrive Convertible has all the tools to maximise the pleasure of accelerating and powering through corners with the wind in your hair and the engine's soundtrack in your ears. The development of the power unit harnessed the racing expertise of BMW M GmbH. It features weight-optimised pistons and con rods, plus a twin-scroll turbocharger with indirect charge air cooling. Maximum output from its 3.0-litre displacement is 275 kW/374 hp, an increase of 35 kW/48 hp over the most powerful model variant in the preceding generation of the BMW 4 Series Convertible. Maximum torque stands at 500 Nm (369 lb-ft) and can be summoned between 1,900 and 5,000 rpm. The resulting flow of muscle power enables the car to race from 0 to 100 km/h (62 mph) in 4.9 seconds. These bursts

of speed are accompanied by the distinctive sound produced by the standard M Sport exhaust system. With the Driving Experience Control switch set to SPORT or SPORT+ mode, in particular, the system adjusts the exhaust flaps to give the straight-six engine's power delivery a suitably authentic backing track. The new BMW M440i xDrive Convertible posts average fuel consumption of 7.4 – 6.9 litres per 100 kilometres (38.2 – 40.9 mpg imp), equating to CO<sub>2</sub> figures of 169 – 159 grams per kilometre.

### **Free-revving, refined and efficient: the four-cylinder petrol engines in the BMW 430i Convertible and BMW 420i Convertible.**

Extensive upgrades to their respective four-cylinder petrol engines give the BMW 430i Convertible and BMW 420i Convertible sporty performance characteristics and superior efficiency. The more powerful of the 2.0-litre pair generates maximum output of 190 kW/258 hp – an increase of 5 kW/6 hp on the engine it replaces – and delivers peak torque of 400 Nm (295 lb-ft) between 1,550 and 4,400 rpm. This enables the new BMW 430i Convertible to accelerate to 100 km/h (62 mph) from rest in 6.2 seconds. The engine's optimised efficiency levels result in combined fuel consumption and emissions figures of 6.4 – 6.0 litres per 100 kilometres (44.1 – 47.1 mpg imp) and 147 – 138 grams per kilometre.

The four-cylinder engine in the new BMW 420i Convertible is another shining example of efficiency and the free-revving performance typical of BMW power units. Its maximum output of 135 kW/184 hp and peak torque of 300 Nm (221 lb-ft) between 1,350 and 4,000 rpm translate into a 0 to 100 km/h (62 mph) time of 8.2 seconds. The new BMW 420i Convertible returns average fuel consumption figures of 6.1 – 5.7 litres per 100 kilometres (46.3 – 49.6 mpg imp) with CO<sub>2</sub> emissions of 140 – 131 grams per kilometre.

### **Two-stage turbocharging for diesel engines.**

The latest-generation BMW TwinPower Turbo technology fitted in all diesel engines for the new BMW 4 Series Convertible comprises two-stage turbocharging along with an enhanced common-rail direct injection system. The quick response of the smaller turbocharger ensures eager power delivery, while the injection system, with its increased operating pressure, precise metering and fine atomisation of the fuel, gives a more efficient, cleaner combustion process. The system of emission control for the diesel engines employs BMW BluePerformance technology, including an SCR catalyst with AdBlue injection for reducing nitrogen oxide emissions.

The 2.0-litre four-cylinder diesel unit in the new BMW 420d Convertible generates maximum output of 140 kW/190 hp, with peak torque of 400 Nm (295 lb-ft) on tap from 1,750 to 2,500 rpm. The instantaneous power delivery

enables the car to sprint from 0 to 100 km/h (62 mph) in 7.6 seconds. The engine's improved efficiency is illustrated by the combined fuel consumption and CO<sub>2</sub> figures of 4.5 – 4.2 litres per 100 kilometres (62.8 – 67.3 mpg imp) and 119 – 111 grams per kilometre.

The 3.0-litre six-cylinder in-line unit for the new BMW 430d Convertible (due to be available from July 2021) serves up power in an instant and continues to increase it unabated with the help of the variable turbine geometry in the turbocharging system's low-pressure stage. There is now 650 Nm (479 lb-ft) of peak torque on tap between 1,500 and 2,500 rpm, an increase of 90 Nm (66 lb-ft) over the previous model. The maximum output of the new diesel unit stands at 210 kW/286 hp, 20 kW/28 hp more than before. This allows the new BMW 430d Convertible to accelerate from 0 – 100 km/h (62 mph) in 5.9 seconds. Its fuel consumption and emissions figures come in at 5.6 litres per 100 kilometres (50.4 mpg imp) and 147 grams per kilometre (predicted figures based on the WLTP test cycle) respectively.

Also set to join the diesel portfolio is a second 3.0-litre straight-six unit that will power the new BMW M440d xDrive Convertible (due to be available from November 2021). Compared to the most powerful diesel engine available for the outgoing model, maximum output has climbed by 20 kW/27 hp to 250 kW/340 hp. Peak torque, meanwhile, has risen by 70 Nm (52 lb-ft) to 700 Nm (516 lb-ft). To ensure exceptionally sharp turbocharger response and uninterrupted power development, the new unit's high-pressure and low-pressure stages both feature variable turbine geometry. The new BMW M440d xDrive Convertible requires just 5.1 seconds to reach 100 km/h (62 mph) from rest. Despite its sporting instincts, the engine burns an average of only 6.3 litres of fuel per 100 kilometres (44.8 mpg imp) with CO<sub>2</sub> emissions of 165 grams per kilometre (predicted figures based on the WLTP test cycle) respectively.

**Eight-speed Steptronic transmission as standard, brand-new Sprint function for unleashing maximum performance in an instant.**

This is the first time that all model variants in the BMW 4 Series Convertible range have been fitted with an eight-speed Steptronic transmission as standard. The latest version of the automatic transmission goes about its task of relaying the drive torque from the engine with even sharper shift characteristics and still greater efficiency. The gear ratio spread has been widened, too, making it possible to achieve significant efficiency gains with reduced engine speeds, particularly when driving in higher gears. The transmission's control unit is additionally able to take into account data on route topography and traffic situation supplied by the navigation system

and driver assistance systems. This makes it possible, for example, to shift down early when approaching a junction or a vehicle ahead.

The eight-speed Steptronic Sport transmission offers even sportier shift characteristics, faster gear changes and the benefit of shift paddles on the steering wheel. Noticeable extra dynamism is provided both by the Launch Control feature and the brand-new Sprint function, which facilitates particularly rapid bursts of speed. Pulling on the left shift paddle for at least a second engages the Driving Experience Control switch's SPORT settings for the accelerator response, engine note and gearshift characteristics. At the same time, the transmission will drop straight into the lowest possible gear for maximum acceleration. SPORT mode displays appear in the instrument cluster and the word SPRINT flashes up. The eight-speed Steptronic Sport transmission with Sprint function comes as standard in the BMW M440i xDrive Convertible and BMW M440d xDrive Convertible and is included as part of M Sport specification for all other engine variants.

**BMW xDrive: precise transfer of power for extra agility.**

The BMW xDrive intelligent all-wheel-drive system likewise hones the dynamic driving properties of the most powerful models in the new BMW 4 Series Convertible range. Power is relayed to the wheels as required using an electronically controlled multi-plate clutch in the transfer case; the clutch is interlinked with the powertrain and chassis systems. The latest version of the system ensures rapid, precise and fully variable distribution of drive torque between the front and rear wheels in an exceptionally efficient manner. In driving situations where all-wheel drive is not needed, all the power is directed to the rear wheels. The system's rear-biased set-up is also notable when the car's dynamic performance abilities are being put to the test, guaranteeing the type of driving experience for which BMW is renowned.

# Chassis technology. Perfect blend of performance and comfort.



The sporting character of the new BMW 4 Series Convertible stands out immediately, while the advances over its predecessor are apparent after just a short distance covered. Like the new BMW 4 Series Coupé, the latest generation of the convertible has upped its game significantly as far as handling dynamics, agility and steering precision are concerned. It is underpinned by the sophisticated powertrain and chassis technology of the new BMW 3 Series Sedan, yet the distinction between the two is clearer than ever. A key factor here is the standalone vehicle concept notable not only for the completely independent design, proportions and weight distribution at play, but also the stiffer body structure, optimised aerodynamic properties and careful tweaks to the chassis geometry, mounting and set-up. The suspension and damping have also been meticulously fine-tuned for the convertible. As a result, its exceptionally sporty handling capabilities are complemented by superb ride comfort that makes effortless cruising with the roof down just as much of a pleasure.

The lift-related dampers with specially tuned characteristics that form part of the standard chassis technology on all new BMW 4 Series Convertible models are central to its consummate blend of performance and comfort. A number of optional chassis systems are available that allow customers to place greater emphasis still on the dynamic or comfortable element of the car's handling qualities or optimise the balance between these two sides to its character.

Bespoke chassis technology endows both the new BMW M440i xDrive Convertible and new BMW M440d xDrive Convertible with compelling performance qualities. Their engine, eight-speed Steptronic Sport transmission, intelligent all-wheel drive and chassis blend into an overall package built for the express purpose of delivering high agility, precision and dynamism.

## **Weight-minimised front and rear axles and lift-related dampers for effortless sporty handling.**

The new BMW 4 Series Convertible is equipped with an extensively upgraded pairing of double-joint spring strut front axle and five-link rear axle. This design principle offers an outstanding basis for combining precisely controllable handling – even when the car is being pushed hard – with impressive long-

distance comfort. A construction engineered for optimum weight and stiffness combines with the model-specific elastokinematics to ensure precise wheel guidance and increased ride comfort over the outgoing model.

The lift-related dampers have an equally beneficial effect on the handling characteristics of the new 4 Series Convertible. They reduce body movement perceptibly when smoothing out vibrations caused by bumpy road surfaces and dynamic cornering. The system is continuously variable and generates progressive damper force according to the changing spring travel. This prevents excessive body dive and rebound when driving over large bumps and so avoids uncomfortable, nervous damping response. The well-resolved ride clearly gains from the progressive damping when driving over smaller imperfections, too.

This system adds extra hydraulic damping at the front axle and a compression-limiting system at the rear. At the front, the first line of defence against body vibrations is an additional element that drops down into the inner sleeve of the damper. Only when greater loads are encountered does the entire damper become active. The rear dampers also adapt continuously to the driving situation. The varying wall thicknesses of the front dampers, the tubular anti-roll bars and the lightweight pendulum supports serve to bring about a reduction in unsprung masses that improves the system's responses.

Lift-related damping is an active element of the suspension set-up. Its tuning optimises the balance between sportiness and comfort. Increased damping forces and firmer springs and anti-roll bars compared to the new BMW 3 Series Sedan result in bespoke handling characteristics while also lowering ride height by ten millimetres. The optional M Sport suspension (standard on the new BMW M440i xDrive Convertible and BMW M440d xDrive Convertible) includes even stiffer settings for the lift-related damping and springs.

### **Adaptive M suspension spans an extremely wide spectrum between sportiness and comfort.**

The adaptive M suspension available as an option offers the widest possible range of driving experiences, from seriously sporty through to extremely comfortable. Its electronically controlled dampers serve to enhance not just agility and body stability, but also the car's long-distance capabilities. Continuously adjustable valves allow the damping force to be metered at each wheel individually and as a function of vehicle load. Switching between the various Driving Experience Control switch modes produces a clearly perceptible variation in the damping characteristics – from the well-balanced

long-distance comfort of COMFORT through to the highly dynamic set-up activated in SPORT.

An extra mode can be selected using the Driving Experience Control switch on models with adaptive M suspension. In the ADAPTIVE setting, the steering, damping and accelerator responses along with the Steptronic transmission's shift characteristics are automatically adjusted to suit the driving style. The control system responds to accelerator and steering inputs and the position of the selector lever to switch the powertrain and suspension to a sportier or more comfortable response. Navigation data can also be used to prepare the car in advance for an upcoming junction or bend.

### **Variable sport steering offering greater precision.**

Model-specific revisions to the steering systems for the new BMW 4 Series Convertible provide exceptional precision. Electric Power Steering with Servotronic is fitted as standard. Variable sport steering is part of the M Sport suspension and adaptive M suspension set-ups. With its variable ratio, which adjusts to changes in the steering angle, it is equally adept at keeping the car effortlessly in a straight line, maximising cornering agility and turning/manoeuvring with ease. The steering's direct, accurate responses enhance turn-in performance, while the wheel angles required for parking manoeuvres are achieved with only a few twists of the steering wheel.

The new BMW 4 Series Convertible rides as standard on 17-inch light-alloy wheels. The BMW M440i xDrive Convertible and BMW M440d xDrive Convertible come with 18-inch M light-alloy wheels, as do M Sport models, while the M Sport package Pro includes M light-alloy wheels in 19-inch format. Further 18- and 19-inch light-alloy wheel variants can be found on the options list, along with high-performance tyres. Plus, 20-inch light-alloy wheels are available from the Original BMW Accessories range.

### **M Sport brakes with blue or red brake callipers.**

Powerful lightweight braking systems with a bespoke configuration also play a part in the precisely controllable performance of the new BMW 4 Series Convertible. In addition to Dynamic Stability Control (DSC), comprising the Anti-lock Braking System (ABS), Dynamic Traction Control (DTC) and numerous other functions, standard specification also includes Performance Control. This gives the new BMW 4 Series Convertible even more agile handling by varying the distribution of drive torque to the rear wheels according to the situation at hand. During heavy braking on surfaces offering differing levels of grip for the right-hand and left-hand

wheels, a steering impulse is applied to help the driver correct the car's line, optimising directional stability.

The optional M Sport brakes (standard on the new BMW M440i xDrive Convertible and BMW M440d xDrive Convertible) provide excellent braking performance and intuitive feel, whether negotiating city streets or pushing hard around a circuit on a track day. They combine an extremely sporty set-up – headlined by short pedal travel and a distinct pressure point – with outstanding thermal resistance. Key features include a more direct ratio and a different hydraulic configuration, including four-piston fixed callipers at the front and single-piston floating callipers at the rear. The callipers bear the M logo and are painted in a choice of blue or red.

### **M Sport differential optimises directional stability and cornering dynamics.**

Traction and directional stability are further improved with the M Sport differential, as are agility and cornering dynamics. The electronically controlled, fully variable locking function in the rear differential forms part of standard specification for the BMW M440i xDrive Convertible and BMW M440d xDrive Convertible. It is available as an option for the new BMW 430i Convertible and BMW 430d Convertible if M Sport suspension or adaptive M suspension is specified.

The DSC system is used to precisely limit rotational speed equalisation between the rear wheels, optimising the transfer of power to the road. Engine power which cannot be transferred to the road by the unloaded wheel on the inside of the bend – as it is liable to slip – is deliberately shifted to the wheel on the outside of the bend, rather than applying the brakes to neutralise its effect. This draws the car into the bend with striking dynamic purpose. The increase in power finding its way onto the road also allows the new BMW 4 Series Convertible to accelerate out of corners with conspicuous dynamism. The carefully calculated distribution of drive power also endows the car with greater poise when negotiating a quick succession of bends and optimises directional stability when changing lanes at the same time as braking. Another advantage of the M Sport differential is improved traction when pulling away on surfaces where the right-hand and left-hand driven wheels have different amounts of grip.

## Interior and equipment. Premium ambience with an individual touch.



Inside the new BMW 4 Series Convertible, four seats and a modern, premium setting create a ticket to sporty driving pleasure combined with the allure of exclusive open-air motoring. The cabin's design and appointments ooze individual style and high-class elegance. The beautifully coordinated lines of the instrument panel, door shoulders, shoulder panelling in the rear and softtop compartment cover stand out particularly clearly when the roof is down. The open-top four-seater car's exclusive character shines through in the top-class materials, precise build quality and numerous meticulously crafted details.

The cockpit's driver-centric design and the clear arrangement of all controls help to focus attention on the driving experience. The high-set centre console and the way it joins directly with the instrument panel reinforces the sensation produced by the cabin's forward-pointing lines. The Control Display's positioning as an integral element of the new screen grouping, the rear-view mirror's ultra-slim frame and the flush-fitting control unit at the top of the windscreen frame all help to improve the view to the front, at the same time as increasing the feeling of spaciousness.

The structuring of the equipment lines likewise reflects the shift in focus to dynamic performance that characterises the new model generation. The new BMW 4 Series Convertible can be ordered in M Sport guise as an alternative to standard specification, and there is also the option of the M Sport package Pro. The specially chosen retrofit options in the M Performance Parts range – which will be available from the launch of the new 4 Series Convertible – offer another batch of highly enticing ways to distil the car's dynamic aura or embellish it with individual flourishes. Customers are also able to choose from a host of top-class equipment options for taking the new model's long-distance comfort, in particular, up another level still.

### **Leather sports steering wheel as standard; instrument panel in Sensatec or a BMW Individual leather finish available as an option.**

The standard equipment roster for the new BMW 4 Series Convertible includes the latest leather sports steering wheel, with thumb rests and electroplated applications that add to both the sporty driving experience and the interior's elegant flair. There is also the option of an M leather steering wheel and a BMW Individual leather item. The newly arranged multifunction

buttons with their extremely classy design grace all steering wheel variants and make the standard and optional driver assistance systems more user friendly. The optional heated steering wheel can be switched on at the touch of a button.

Distinctive decorative stitching runs horizontally along the instrument panel with optional Sensatec trim. A leather-covered BMW Individual instrument panel is also on the options list, alongside other highly exclusive items including three different BMW Individual interior trim strip designs and BMW Individual door sill plates.

### **Front sports seats as standard, individual-style rear seats.**

The new BMW 4 Series Convertible comes with newly developed sports seats in the front as standard. Their boldly contoured side bolsters give the driver and front passenger optimum lateral support when taking corners at speed. Electric seat adjustment including memory function is another standard feature, while the seats fitted in the M Sport model additionally allow their occupants to adjust the backrest width and seat cushion angle to their liking. The driver and front passenger seats are heated as standard, too. Automatically extending and retracting belt feeders make settling into the front seats an even more comfortable affair. Climate seats are available as an option for the first time in the new BMW 4 Series Convertible.

Standard Vernasca leather trim comes in a choice of five colours and includes smart decorative quilting and seam patterns. Extended BMW Individual Merino leather trim and BMW Individual full leather trim will also become available for the new BMW 4 Series Convertible at a later date.

An Easy Entry function facilitates entry into and exit from the rear compartment. The specially designed rear bench incorporates two individual-style seats, further underlining the sporty nature of the new BMW 4 Series Convertible. The ISOFIX bars are now positioned further to either side, making the task of securing child seats far easier. The requisite attachment points have been incorporated into the domes behind the head restraints.

### **Optimised functionality for both everyday journeys and longer trips.**

The new BMW 4 Series Convertible is equipped as standard with a storage package for enhanced functionality both in everyday driving and when travelling longer distances. This adds features such as extra storage compartments, partition nets on both sides of the boot lining, securing lugs and bag hooks in the boot. A trailer coupling that extends and retracts again electrically can be specified as an option for the new 4 Series Convertible,

which has a maximum trailer load of up to 1,800 kilograms, depending on the model variant.

The stowage trays and storage compartments around the front seats and in the rear now also accommodate significantly more than in the outgoing model. As well as the traditional glove compartment and the storage space under the centre armrest, there is also a stowage tray in front of the gearshift / selector lever, roomy door pockets and an additional storage compartment underneath the control panel for the lighting functions on the driver's side. The cover at the front of the centre console opens with a fingertip push to reveal two cupholders, a 12V socket and a USB port. A second USB port can be found in the illuminated storage compartment under the centre armrest, and standard specification also includes a hands-free phone system and Bluetooth interface. The telephony with wireless charging option enables inductive charging of compatible smartphones.

The new BMW 4 Series Convertible is fitted with a rain sensor with automatic headlight activation as standard, and innovative wiper arms with integral spray nozzles are used to clean its windscreen.

### **Three-zone automatic climate control as standard, neck warmers as an option.**

A number of bespoke measures have been implemented in the area of the intake system, engine cover and underbody to dampen the noise from the engine and thereby increase acoustic comfort in the new BMW 4 Series Convertible when driving with the top down. Measures to divert wind noise effectively around the body further enhance comfort levels. Acoustic glass for the windscreen is part of standard specification for the new BMW 4 Series Convertible.

The acoustic properties of the air conditioning system have also been usefully improved by reducing airflow noise. A three-zone automatic climate control system allowing independent control of the temperature and ventilation settings for the driver's side, the front passenger side and the rear passenger compartment is fitted as standard.

In addition to the wind deflector – which can be fitted quickly and easily – customers can also opt for neck warmers to ensure the enjoyment of open-top driving is diluted as little as possible by the weather conditions. The air outlets integrated into the front head restraints provide a pleasant warming effect when driving with the roof down. The intensity of the flow of warm air can be adjusted using a button in the centre console's control panel, with a choice of three levels. The airflow also adapts to the changing road speed.

And to ensure that passengers find a snug interior awaiting them even in the depths of winter, the new BMW 4 Series Convertible can also be ordered ex-factory with an optional auxiliary heating system. This is activated through the iDrive operating system, using the optional BMW Display Key or by smartphone via the My BMW app.

### **Lighting mood and sound experience with an exclusive air.**

The standard LED lighting for the cabin of the new BMW 4 Series Convertible includes the reading and interior lights, as well as the lighting for the glove compartment, the storage compartment under the centre armrest, the footwells, the mirrors in the sun visors and the boot, plus the courtesy lights in the doors. The optional ambient lighting provides atmospherically rich illumination of the interior. The additional indirect lighting of the contour lines running along the instrument panel and the door panelling uses precisely positioned LED fibre-optic light guides to create a dynamic, exclusive mood. The lighting's distribution, brightness and colour scheme can be configured in the iDrive menu. This option also includes the Welcome Light Carpet for the approach to the doors and the Dynamic interior light function, whose pulsating light signals appear on the inner panelling of an open door when the engine is running and on the instrument panel in response to an incoming phone call.

The BMW Live Cockpit Plus fitted as standard in the new BMW 4 Series Convertible includes an audio system with six speakers and output of 100 watts. Standard equipment also includes a DAB+-enabled tuner for receiving digital radio stations. All aerials are integrated into the boot lid, out of sight. Opting for the hi-fi speaker system increases the number of sound sources to ten and the amplifier's output to 205 watts. And for those looking for the ultimate feast for the ears, there is the Harman Kardon surround sound system, complete with 12 speakers and a digital seven-channel amplifier delivering 365 watts of audio power.

### **Deft touches exude unbridled dynamism: M Sport package Pro and model-specific M Performance Parts.**

In the same way that driving comfort and functionality increase another notch in the new BMW 4 Series Convertible, model-specific options are also available for sharpening its dynamic edge. The M Sport package Pro includes all the features of the M Sport model and adds a sporty engine soundtrack in the cabin when SPORT mode is activated. This provides an authentic reproduction of the engine note. In addition, the M Sport brakes for the BMW 420i Convertible and BMW 420d Convertible, 19-inch M light-alloy wheels, BMW Individual High-gloss Shadowline trim with extended features and BMW Individual lights Shadowline inject the exterior of the car with

a particularly striking sense of presence. M seat belts and the hi-fi speaker system are also included in the M Sport package Pro, adding further visual and aural appeal to the cabin.

The components and products in the M Performance Parts portfolio offer more ways to bring the sporty essence of the new BMW 4 Series Convertible to the fore. The retrofit items available as part of the Original BMW Accessories range include 20-inch M Performance forged light-alloy wheels in Y-spoke design with a Jet Black matt finish, a carbon-fibre front grille, front splitter and side skirt attachments, as well as aero flicks for the front apron in High-gloss Black. And for precise customisation with an overtly sporty touch, customers can select from options such as an M Performance steering wheel, and tailpipes, door sill plates and interior trim panels in carbon-fibre design.

# Driver assistance systems. Enhanced comfort and safety in all situations.



The new BMW 4 Series Convertible has enhanced performance capabilities, but its everyday driving and long-distance qualities have also been carefully honed. These advances filter through into a far wider variety of driver assistance systems than its predecessor could offer. Fitted as standard or available as options, their innovative functions serve to boost comfort and safety both when driving in town and on long journeys. They assist the driver when they don't have a clear view and ease their workload in monotonous driving situations, such as traffic jams or slow-moving traffic.

The driver assistance systems available for the new BMW 4 Series Convertible process camera images and the data gathered by ultrasonic and radar sensors to monitor the vehicle's surroundings, warn of potential hazards and minimise the risk of an accident with corrective braking or steering inputs. Intelligent system control and an extensive range of functions pave the way for automated driving.

## **Front collision warning, Speed Limit Info and Lane Departure Warning now standard.**

The new driver assistance features are accompanied by a revised arrangement of controls on the multifunction steering wheel and improved readouts in the instrument cluster. Front collision warning is one of the additions to standard specification for the new BMW 4 Series Convertible. It includes collision and person warning with city braking function, which can detect vehicles, pedestrians and cyclists. Depending on the situation, front collision warning can bring the vehicle to a halt to either avoid a collision or minimise its consequences. Speed Limit Info including no-overtaking indicator can also now be found on the standard equipment list, as can the Lane Departure Warning system, which is operational from 70 to 210 km/h (44 – 130 mph) and also features lane return by means of steering assistance in its latest version.

## **Carefully judged assistance on long journeys: Driving Assistant and Active Cruise Control.**

The components of the optional Driving Assistant significantly enhance comfort and safety when travelling long distances. The camera- and radar-based system includes Lane Change Warning, which alerts the driver to the presence of a vehicle approaching from behind between

20 km/h (12 mph) and the car's top speed, and helps them guide the new BMW 4 Series Convertible back into the original lane with a steering input. The Driving Assistant package also features rear collision warning and rear crossing traffic warning.

Cruise control with braking function comes as standard in the new BMW 4 Series Convertible, allowing it to stick to a speed selected by the driver. The optional Active Cruise Control with Stop&Go function goes further still, as it is also capable of keeping a safe distance from vehicles travelling ahead – with a choice of four proximity settings – as well as braking the new 4 Series Convertible to a halt if necessary and setting off again automatically after brief stops of up to three seconds. The latest version of the system adapts to the changing traffic situation and environmental factors by adjusting the proximity within the selected setting.

### **Optimised and comprehensive comfort and safety package: the Driving Assistant Professional.**

The Driving Assistant Professional is a complete package of measures designed to enhance comfort and safety. As such, it embodies the latest progress towards automated driving. The standout feature is the Steering and Lane Control Assistant, which can be used at speeds up to 210 km/h (130 mph). This system takes its bearings from road markings and vehicles driving ahead courtesy of the data from a trifocal camera and a front range radar, enabling it to work with the driver to help centre the vehicle in the detected lane with corrective steering inputs. This also proves to be an effective aid in situations where the lane narrows, as is the case when driving through motorway roadworks. The Lane Keeping Assistant with active side collision protection (by means of corrective steering) likewise forms part of the Driving Assistant Professional's repertoire, along with the Emergency Stop Assistant, the Evasion Assistant, Automatic Speed Limit Assist, wrong-way driving warning, junction warning with city braking function and front crossing traffic warning.

### **Further innovations: Active Navigation and Emergency Lane Assistant.**

Active Navigation, one of the latest new features, helps the driver to keep to the route calculated by the navigation system on multi-lane roads. When approaching a motorway intersection or exit, a display in the instrument cluster indicates the need to change lane. In preparation, the system adjusts the car's speed to make it easier to steer into a suitable gap in the adjacent lane.

The Emergency Lane Assistant is yet another innovation. In tailbacks on the motorway, this system automatically recognises the need to form a lane for emergency services approaching from the rear and guides the car to the most appropriate side of its lane.

### **Superb overview: cockpit features BMW Head-Up Display and 3D visualisation of the surrounding area.**

The optional BMW Head-Up Display helps the car to provide focused driving pleasure with a high level of safety. It projects driving-related information onto the windscreen, where the colour graphics appear directly in the driver's field of vision. The latest generation of the system fitted in the new BMW 4 Series Convertible features a 70 per cent larger projection area, optimised graphics and additional content.

The 3D visualisation of the surrounding area provides the driver with an overview of the activated assistance systems and the functions they can offer. For this purpose, a three-dimensional image of the vehicle and its surroundings is shown in the centre of the cockpit display. Here, the driver can see an image of the cars, trucks and motorcycles detected by the cameras and sensors in the driver's current lane, along with those in any adjacent lanes. Vehicles within a critical distance are highlighted. Icons indicate situation-specific manoeuvres that can be carried out using assistance systems.

### **Parking Assistant now includes the Reversing Assistant.**

Drivers of the new BMW 4 Series Convertible can also rely on extensive assistance when parking and manoeuvring. The standard Park Distance Control system uses sensors at the front and rear. The list of optional extras includes the Parking Assistant, which simplifies the task of selecting and moving into spaces either parallel or perpendicular to the road. The system takes care of steering the car, accelerating and braking, and makes any necessary gear changes. It can also be used for automatically manoeuvring out of spaces parallel to the road.

The Parking Assistant's range of functions includes the Reversing Assistant, which assumes the task of steering while backing up by retracing the vehicle's last forward movements in reverse. All the driver has to do is operate the accelerator and brake pedals and monitor the vehicle's surroundings. A distance of up to 50 metres can be covered in this way at speeds of up to 9 km/h (5.5 mph).

Parking Assistant Plus offers even greater comfort and precision when manoeuvring. As well as offering all the functions of the Parking Assistant,

it also provides drivers with a clearer overview of their close environment. The Park View, Panorama View and 3D Top View features are used to create a 360° image of the vehicle and its surroundings from different perspectives in the Control Display. Meanwhile, the Remote 3D View function gives drivers the ability to call up a three-dimensional live image of their vehicle and its immediate vicinity on their smartphone.

The BMW Drive Recorder – which can likewise be specified as an option – uses the cameras of the various driver assistance systems to record video footage from different points around the vehicle, before storing the recordings so they can be either watched later on the Control Display when the car is stationary or exported via the USB port. For example, visually stunning shots of the car driving along particularly scenic stretches of road can be captured and shared in this way. When activated, the Drive Recorder shoots and stores 40 seconds of video. In the event of a collision, a period of up to 20 seconds either side of the moment of impact is automatically recorded and saved.

# Display and operating system, BMW Connected and ConnectedDrive. The latest digital services for intelligent connectivity.



Both driver and passengers will benefit from the enhanced options for intuitive operation and the innovative digital services brought by the standard inclusion of BMW Operating System 7 in the new BMW 4 Series Convertible. Individually configurable display content and intelligent connectivity underpin remarkably seamless interaction between driver and vehicle. In the main menu on the Control Display, the driver is able to configure up to ten pages, each showing two to four pads (tiles) with live content. Both the content and the graphics are personalised to an even greater degree, as illustrated by the vehicle mock-up that matches the actual model colour and equipment line.

The intuitive multimodal operation is now even better and allows the driver to take their pick of control interface for the situation at hand: Control Display touchscreen, proven iDrive Controller, multifunction buttons on the steering wheel or voice control.

The standard-fitted BMW Live Cockpit Plus comprises the iDrive operating system with 8.8-inch Control Display and a Touch Controller, a black panel instrument cluster centred around a 5.1-inch colour display, plus a multimedia and navigation system, two USB ports for data transfer and a WiFi interface. A built-in SIM card with 4G LTE connectivity and the likewise standard Connected Package Professional make it possible to use digital services such as BMW TeleServices, Intelligent Emergency Call, Real Time Traffic Information with hazard warning, and the Remote Services and Concierge Services.

The optional BMW Live Cockpit Professional, meanwhile, offers a fully digital screen grouping comprising a high-resolution instrument cluster behind the steering wheel with a screen diagonal of 12.3 inches and a 10.25-inch Control Display. The cockpit's fully digital instrument display provides enough room to accommodate an excerpt from the navigation map, status indicators for the driver assistance systems or 3D visualisation of the surrounding area. To further enhance the sporty driving experience, information such as lateral acceleration during high-speed cornering can be displayed here too.

BMW Live Cockpit Plus and BMW Live Cockpit Professional provide access to numerous other digital services, including the BMW Intelligent Personal Assistant, Connected Music and Remote Software Upgrade.

### **Fast, accurate, informative: BMW Maps – the new-generation navigation system.**

When it comes to digital services, one of the standout new features for the new BMW 4 Series Convertible is BMW Maps. This cloud-based system boasts significantly enhanced performance and excellent accuracy along with a simplified method of destination entry. The new-generation navigation system offers extremely fast route calculation carried out dynamically and based on precise real-time traffic data transmitted at short intervals. The arrival time is calculated using an anticipatory method which factors in the usual traffic levels along the entire route. Full traffic data is now available for more minor roads, too.

Drivers can now enter any word when searching for their chosen destination. The search results are sorted by relevance with a high level of precision. Alternatively, the destination can be entered simply by saying it. Points of interest (POIs) along the route are described in greater detail, with reviews, opening times and photos all included.

BMW Maps also uses Connected Parking to provide even more effective assistance when searching for a parking space close to the destination. When the driver selects their destination in the navigation system, they receive an indication of the parking situation at the destination for their estimated time of arrival. Shortly before arriving, the driver is given information on the nearest multi-storey car park as well as proposed routes offering a particularly good chance of finding a parking spot close to the destination. The familiar On-Street Parking Information and ParkNow services have been intelligently incorporated into the functionality of BMW Maps.

### **Smartphone integration with Apple CarPlay – and now also Android Auto.**

BMW Live Cockpit Plus and BMW Live Cockpit Professional also come with optimised smartphone integration. In addition to Apple CarPlay, the operating system for the new BMW 4 Series Convertible will also host Android Auto. This opens up the same benefits already enjoyed by Apple iPhone owners to Android users too, making it easier to access a great number of digital services from their car in just the same way they do on their smartphone. These include Google Assistant, Google Maps, music streaming services like Spotify and Amazon Music, and the WhatsApp messaging service.

The wireless WiFi connection between the smartphone and vehicle enables the operating system in question to be integrated directly into the car's display and operating system. All the key information from the apps made available

there can be viewed both in the Control Display and – in a cleverly presented way – in the instrument cluster or optional Head-Up Display.

### **BMW Intelligent Personal Assistant: more natural voice commands and additional functions.**

The latest version of the BMW Intelligent Personal Assistant takes the connection between driver and car to a new level in the new BMW 4 Series Convertible. Activated by a spoken prompt (for example “Hey BMW”) or at the touch of a button, this digital companion acquires new capabilities all the time. Naturally formulated spoken instructions can now also be used to adjust the air conditioning. In addition, the BMW Intelligent Personal Assistant is also capable of learning routines that increase both convenience and driving pleasure in specific situations. For instance, the driver’s window can be opened automatically when the vehicle reaches a chosen location entered using GPS coordinates, such as the entrance to a garage or multi-storey car park.

When the BMW Intelligent Personal Assistant is in use, new graphics appear in the Control Display to emphasise the system’s interactive character. The graphic now “turns” towards the speaker, thereby visualising how the system is listening attentively to what is being said. The system recognises whether the driver or front passenger is speaking to it and reacts accordingly by, for example, altering the climate control settings on one side of the interior.

### **Always up to the minute: new Remote Software Upgrade function for over-the-air updates.**

The switch to BMW Operating System 7 also brings the Remote Software Upgrade function to the new BMW 4 Series Convertible, keeping the vehicle up to date with the latest software. The content of the upgrades ranges from new services to improved vehicle functions. All updates can be imported over the air, either on a smartphone via the My BMW app or directly into the car using its built-in SIM card.

The intelligent connectivity technology also makes it possible to incorporate additional vehicle functions at a later date. The optional features that owners can retrofit via this digital channel include the High Beam Assistant, the Drive Recorder and Active Sound Design.