

BMW Performance  
BMW 1 Series  
BMW 3 Series



Sheer  
Driving Pleasure

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# BMW PERFORMANCE. ORIGINAL BMW ACCESSORIES.

JOY IS THE VITAL COMPONENT.



## **A PASSION FOR PERFORMANCE MEANS A REFUSAL TO COMPROMISE.**

Choosing a BMW means choosing sporting performance, outstanding driving dynamics and innovative technology, because these are the principles that we're not prepared to compromise on – principles that reach their full expression with the BMW Performance range.

These technical and design components are all designed to ensure that drivers – and admiring onlookers – feel the full benefits of BMW engineering. In particular, the BMW designers took their inspiration from the world of motorsport. As a result, the BMW Performance range enables BMW owners to indulge their passion for performance in a way that is individual, forceful and wholly without compromise.



**CHOOSING THE PERFECT LINE IS NOT ABOUT  
CALCULATION. IT'S ABOUT INSTINCT.**

On the track, the perfect line is not the shortest route between two points, but the quickest. Working it out is a highly complex calculation – but it's not one that drivers with genuine talent have to make. Their skill, experience and intuition mean they get it right instinctively.

A similar principle applies to the design of BMW Performance aerodynamic components. One look is enough to convince you of the BMW designers' ability, experience, and instinctive feel for the perfect line.



## BUCKING THE TREND, YET STILL GOING WITH THE FLOW.

BMW designers aren't interested in swimming with the currents of fashion. The only flow that they're interested in is airflow – of the kind they can observe in countless hours of wind-tunnel testing.

This is why they considered developing the BMW Performance aerodynamic kit such an exciting challenge. It was the ideal opportunity for them to concentrate on fusing impressive functionality with striking design. One of their major sources of inspiration here was the stripped-down look of the BMW World Touring cars.

So the surfaces of the front aprons and the front splitters are sculpted in such a way as to deliver outstanding aerodynamic performance.

The result is not just a feast for the eyes; it's also a joy to drive, with improved aerodynamic balance and reduced lift helping to improve the car's handling.



## TO STAY AHEAD OF THE COMPETITION, YOU'VE GOT TO BE AHEAD OF YOUR TIME.

Good design is all about absolute clarity and precision. And that is exactly what you get from all the aerodynamic components in the BMW Performance range. From the overall design, down to the smallest detail, the aim is nothing less than perfection.

The uncompromisingly unique lines of the BMW Performance aerodynamic kits for the BMW 1 Series and BMW 3 Series are sure to catch the onlooker's eye, yet they still integrate seamlessly with the design of your BMW. The front and rear aprons are characterized by their dynamic horizontal lines and sharp-edged curves. Similar visual language is also used in the side skirts.

In addition, there are also optional front splitters in carbon. These too integrate perfectly with the overall look of your car.

Further design highlights include the carbon spoilers on the roof or boot – with their minimalist style, they make a striking statement, while also significantly increasing downforce. The distinctive BMW Performance accent strips likewise emphasize the dynamic design of your BMW, while the exterior mirror caps, again in carbon, are also sure to make the discerning heart beat faster.

More information about the advantages of carbon can be found on pages 10 and 23.



## PERFECT IN EVERY FIBRE OF THEIR BEING.

To add the perfect finishing touch to your BMW Performance aerodynamic kit, choose a rear diffuser. These too are made entirely out of carbon. The individual fibres of this extraordinary material each have a diameter of between 0.005 and 0.008 millimetres, and building such thin strands up into a finished part is an incredibly time-consuming and complex task.

Firstly, the fibres must be spun into thicker threads called rovings before being woven into fabric mats. At 245 grams per square metre, the fibre content in BMW Performance components is unusually high. These mats are then coated with various plastics. At this point, the material is extremely fragile, and stretching it even the slightest amount can lead to irreparable damage. Fitting the webbing into complex moulds requires experience and skill – which is why it is always done by hand.

But it doesn't stop there. After the components have been hardened by baking in an autoclave, the next challenge is to treat their surfaces. Their woven structure and intricate shapes make the application of coatings a very demanding task. The resulting flawless surfaces are an indication that the BMW Performance carbon components are perfect in every fibre of their being.





**JUST BECAUSE POWER IS UNLEASHED, IT DOESN'T  
MEAN IT SHOULD BE UNCONTROLLED.**

Sporting performance has never been simply a question of raw power. Rather, it's a question of controlling that power and using it to obtain maximum effect. Only then does the distinction between the athletic and the aesthetic, the energetic and the elegant, start to blur.

This is why advanced chassis technologies have a particularly important place in the BMW Performance range. Because ultimately, the performance of even a BMW engine is only any use if the driver can feel it.



## THRILLING ACCELERATION – AMAZING BRAKING.

The greater the power at your disposal, the greater the importance of control. So it's not just how fast a car can go from 0 to 100 km/h that matters, but also how fast it can go from 100 to 0. The BMW Performance braking system is specifically designed to handle the rigorous demands imposed upon it by sports-style driving.

At the heart of the system are the aluminium six-piston fixed calipers and ventilated, cross-drilled brake discs on the front axle. The design of these elements reflects their sporting origins, and the light weight of the system reduces the unsprung mass of the car, and so improves driving dynamics.

The BMW Performance braking system also performs particularly well in the wet – the grooves and holes in the discs prevent a film of water from forming between brake disc and brake pad.

The system makes an equally dramatic visual impact; the front-axle brake calipers feature BMW Performance lettering and are painted in BMW Performance Yellow.





## WHEELS THAT WILL HAVE YOU DRIVING THE LIGHT FANTASTIC.



If you're a runner, then you'll know the feeling: you find a pair of trainers that fits you just right, and suddenly it's like your heels have sprouted wings. And as shoes are to a runner, so wheels are to a car – they are what connect it to the road, completing both the look and the feel of the whole.

BMW Performance alloy wheels successfully combine minimalist sports-style design with remarkably low weight. In fact, they set whole new standards in lightweight aluminium wheel construction using low-pressure casting.

The reason that they weigh so little lies in the diameter of the spokes, which is incredibly low for cast wheels, and in the cut-away design of the join between spokes and rim – something that up till now was only possible with forged wheels. This allows more air to get to the BMW Performance brakes, ensuring they work with maximum efficiency even at high temperatures.

Both the 18-inch wheels for the BMW 1 Series and the 19-inch wheels for the BMW 3 Series are in the largest sizes approved by BMW for use on the model in question.



**NOW EVEN THE TIGHTEST CORNER LEADS  
STRAIGHT TO DRIVING HEAVEN.**

Brake late. Change down quickly. Hit the apex. And accelerate away. Cornering at speed requires absolute concentration from the driver, and absolute precision from the chassis.

To deliver this precision, the chassis components must be specifically designed for the high stresses placed on them by track-style driving – by designers with a passion for exploring the precise limits of a car's handling.

## SUSPENSION THAT REQUIRES A SUSPENSION OF DISBELIEF.



BMW Performance chassis components are the result of the BMW designers' experience, expertise, and attention to detail – but above all, they are born out of a passion for high-precision handling, dynamic responses, and an utterly invigorating driving experience.

The BMW Performance chassis ensures this passion is transmitted directly to the driver. Ultra-stiff springs, shock absorbers and sway bars are all set up to work perfectly together on the track, and deliver a pure sports-car ride. In addition, the suspension is also lowered by up to 25 millimetres, depending on the model. Lowering the centre of gravity results in a higher level of responsiveness that will thrill all who experience it.

All components are rigorously tested under the toughest conditions imaginable, and the data from these tests is then used to further optimize the design. During this testing, the emphasis is on the vehicle's driving dynamics, roadholding, ride, and steering responses on turn-in.

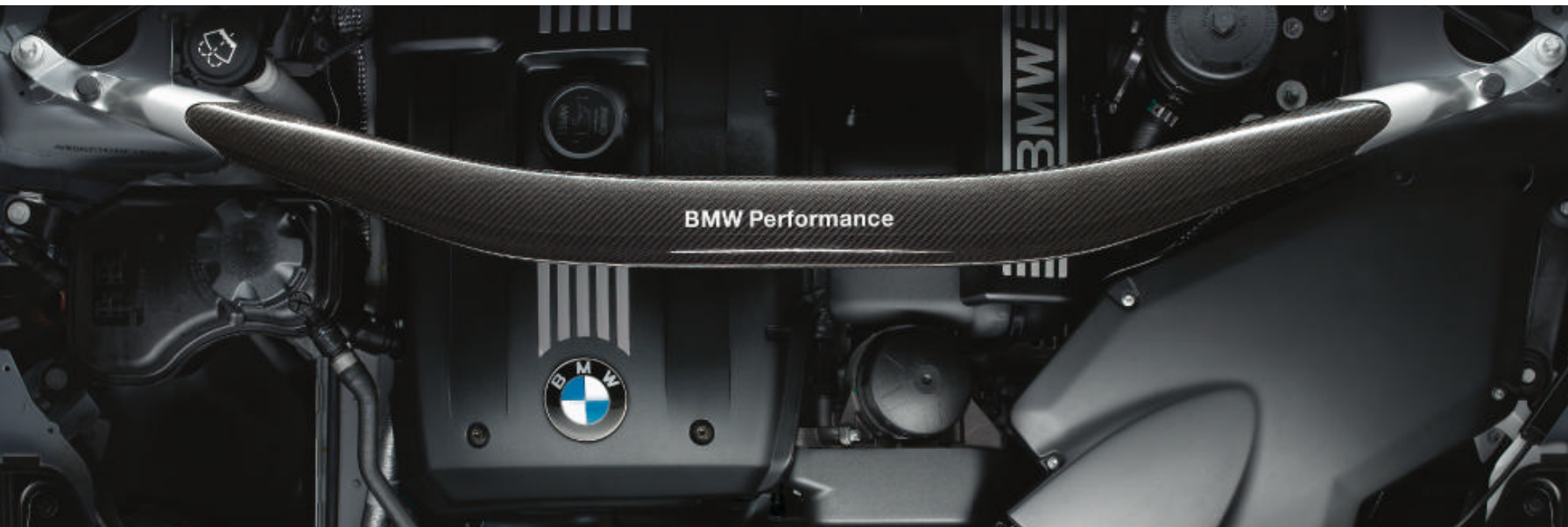
BMW carries out this testing at three different locations. Initial testing takes place at the Aschheim facility in Munich, and in Miramas in the South of France. Both venues simulate extreme driving conditions above and beyond what the vehicle would endure on an everyday basis – including twisting corners, courses designed to test the vehicle's handling, skid pans, and much more besides.

The ultimate test, however, is a flying lap of the infamous Nordschleife circuit at the Nürburgring. Any car that can successfully master all its treacherous corners, variable surfaces and the extreme G-forces of the Carousel is guaranteed to handle anything the road can throw at it with ease.

The comprehensive testing process ensures an unforgettable driving experience, on the longest of straights and through the tightest of corners alike.



## CARBON – THE HARMONY OF OPPOSITES.



One of the highlights of the BMW Performance range is the BMW Performance suspension cross-brace. This component is made from carbon fibre-reinforced plastic – or carbon for short.

The uniqueness of this material lies in the way that it brings together two seemingly contradictory attributes: it is incredibly light, and yet at the same time, extremely rigid. It is this combination which has made carbon absolutely essential to modern racing-car design, and which made it the natural choice of material for the BMW Performance suspension cross-brace.

The suspension cross-brace connects the two front suspension strut towers, thereby further stiffening the front of the car. This reduces torsional movement of the bodywork when cornering, and so increases the precision of steering responses. And yet it barely increases overall vehicle weight at all.

Hold this incredibly light component in your hand, and you will see for yourself why this material is so highly prized by engineers.

More information about the advantages of carbon can be found on page 10.



## AN AIR INTAKE SYSTEM THAT WILL TAKE YOUR BREATH AWAY.

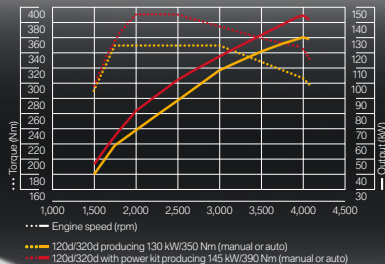
Anyone who plays sport at any level will know the importance of breathing technique. If you're not getting the oxygen you need into your bloodstream, then you won't be able to perform to your potential. And the same goes for the engine of your BMW.

Air inflow is crucial to power output. So the drive train components in the BMW Performance range are designed to help your BMW breathe more deeply. Just make sure the results don't take your own breath away ...

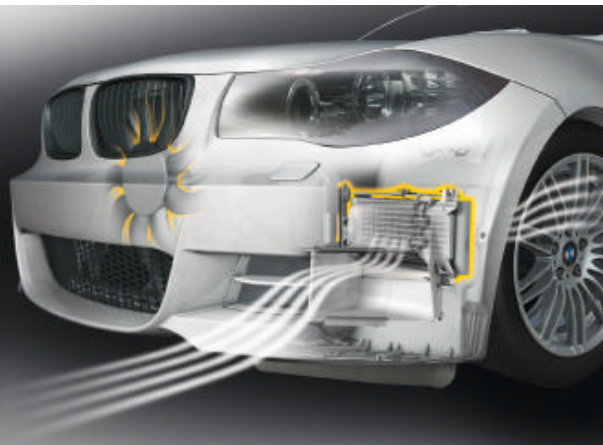
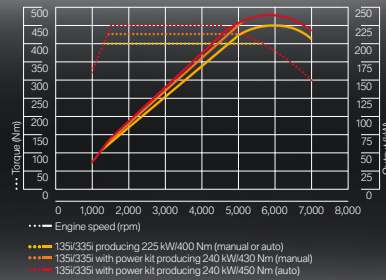
# LIMITS ARE MADE TO BE PUSHED BACK.



Performance data for BMW 120d/320d with BMW Performance power kit Full-load performance of 120d/320d



Performance data for BMW 135i/335i with BMW Performance power kit Full-load performance of 135i/335i



BMW designers don't view the boundaries of what is technically possible as a limitation, but rather as a challenge. They are constantly striving to find the technical advances to roll back these boundaries, and explore previously uncharted territory.

The BMW Performance power kits are a prime example of such an advance, further enhancing your vehicle's already impressive engine output. They feature a combination of software and hardware components that work together as a package. The engine tuning parameters have been modified to enhance output. However, this generates extra heat, and so modifications are also needed to deal with this. In the BMW 135i and BMW 335i, these include an additional radiator and air intakes, and a more powerful fan.

The effect that these changes have on the BMW 135i and BMW 335i can be seen in the graph above. The maximum torque of the six-cylinder in-line engine is increased from 400 to as much as 450 Nm, depending on the type of transmission, and power output rises from 225 to 240 kW. This improves acceleration both from 0 to 100 km/h (by 0.2 seconds over models without the power kit) and from 80 to 120 km/h (by 0.5 seconds in fifth gear).

The BMW Performance power kit is also available for the BMW 120d and BMW 320d. As well as revised engine tuning parameters, this also includes a bigger intercooler and a higher-performance fan. The result is an increase in maximum output from 130 to 145 kW, and in maximum torque from 350 to 390 Nm. The car now accelerates 0.5 seconds faster from 0 to 100 km/h, 0.8 seconds faster from 80 to 120 km/h in fourth gear, and 1.0 seconds faster from 80 to 120 km/h in fifth gear. Maximum speed is also 5 km/h\* faster.

So you can look forward to pushing your vehicle to new limits.

\* BMW 320d Touring: power kit increases maximum speed by 10 km/h. Requires tyres with a W speed rating.



## GIVE YOUR ENGINE MORE OF WHAT IT NEEDS.

The engine of your BMW is eager to unleash its full power, but it can only do so if you give it room to breathe. In other words, your engine needs air, as highly compressed and at as steady a rate as possible. That way, the cylinders will be evenly filled, and so will be able to produce more power and more torque.

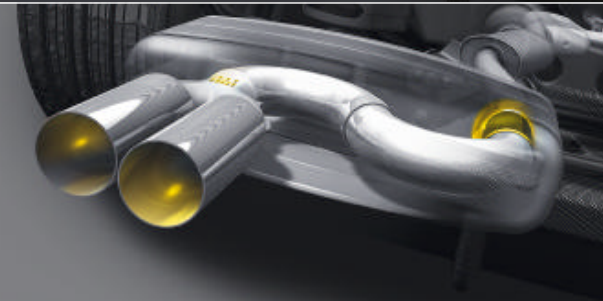
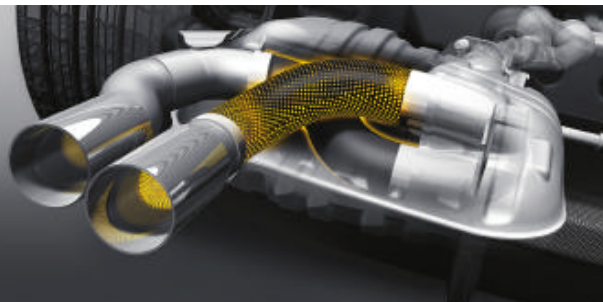
The BMW Performance air intake system ensures that the engine is always provided with the optimum amount of air. Special air pipes

and filters make possible high throughput and minimize pressure loss. This creates a throaty intake note which can be enjoyed inside the cockpit, enriching the sports-car experience of driving your BMW.

A section of the air intake cover is made of high-tech carbon, and carries the BMW Performance lettering. It may be hidden under the bonnet, but the message it sends out couldn't be clearer.



## PERFORMANCE YOU CAN HEAR.



The BMW Performance silencer system doesn't just give your car a distinctive sound, it also measurably improves throttle response. High throughput reduces backpressure, so that exhaust gases are channelled away from the engine faster, enabling it to function more efficiently.

The results are clear to see – and above all, hear. Even at low revs, the rich, deep engine note clearly hints at the reserves of power available, and as you put your foot down, so your pulse rate will leap upwards. The outer sign of these inner qualities can be found at the rear of the car, in the shape of the twin tailpipes in chrome-plated stainless steel. Their stripped-down look gives the vehicle a high-tech appeal.

And as with all BMW Performance products, the use of the latest CAD and FEA technology, combined with strict internal quality assurance processes, ensures long component life.

The BMW Performance silencer system is available in two versions, one for six-cylinder petrol engines and one for four-cylinder diesel and petrol units. Both versions were designed to optimize the performance characteristics of the engine layout in question.







## CONTROLS WORTHY OF A BMW ENGINE.

The best technology offers not only excellent performance, but also outstanding ease of use. And that is exactly what the interior components in the BMW Performance range do – functional and ergonomic, they make operating even the most sophisticated solutions simplicity itself.

BMW Performance accessories turn the interior of your BMW into a command post tailored to your personal requirements. Climb in and take control.

## YOUR BMW, YOUR RULES.



Climb in, and you'll find that the BMW Performance sport seat fits you like a second skin. Its highly distinctive shape was inspired by the monocoque construction technique used in racing cars, and it combines outstanding lateral support when cornering at speed with a high level of comfort on long journeys. Upholstered in black Alcantara, and featuring a built-in side airbag, it is also adjustable between two height settings. The BMW Performance lettering is a proud statement of its racing origins.

The BMW Performance sport steering wheel I likewise breaks new ground. Completely upholstered in Alcantara with white cross-stitching, the curvature is flattened at the lower edge. However, its most eye-catching feature is the display built into the top of the rim. Incorporating one organic and two conventional LEDs, it gives drivers access to a variety of efficiency and motorsport-related functions.\* These are operated via buttons conveniently located in the thumb-rest areas. A choice of three modes is available – ECO, Sport and Race.

In all three modes, the LEDs can be used to inform drivers of the optimum shift point. In ECO mode, they can also help facilitate a more economical driving style. Sport mode includes a stopwatch, a current fuel consumption display, and a g-meter showing and recording momentary acceleration.

\* Must be used in accordance with the rules of the road.

Race mode incorporates a lap timer with various split-time and memory functions. An optional lap trigger is available separately, which uses an infrared transmitter and receiver to measure lap times automatically and extremely accurately. Race mode also allows a variety of acceleration times to be measured, such as the time taken to reach 100 km/h\*\* from a standing start or for the American quarter-mile sprint. Radiator temperature is shown in all three modes, as is the oil temperature in the case of petrol engines.

Alternatively, there is also the BMW Performance sport steering wheel II. This too is completely covered in Alcantara, ensuring optimum grip in any situation, and features a flattened lower section of the rim and white cross-stitched seams. It also has a leather Motorsport marking in the 12 o'clock position, in the signature BMW Performance Yellow colour.

Ultimate performance is a question of getting even the smallest details absolutely right, and this philosophy is exemplified in the decorative components of the BMW Performance range. For example, the meticulously crafted interior trim strips in carbon combine a high-tech motorsport feel with an effortless sense of style.

\*\* Can be converted into mph.



## SHORT AND SWEET.



Having the power is all well and good. But what really counts is being able to use it.

The BMW Performance shift throw reduction makes gearshift throw approximately 25 per cent shorter, allowing significantly faster gear changes. Like all BMW Performance components, the shift throw reduction seamlessly combines form and function. It incorporates a gear lever knob with an ergonomic, high-tech design that perfectly matches the handbrake grip.

The aluminium footrest and pedals show that this attention to detail also extends to the footwell. In fact, it's apparent as soon as you enter the cockpit – the door entry strip in black stainless steel features illuminated lettering in the characteristic BMW Performance Yellow.



## DISTINGUISHING FEATURES: INDIVIDUALITY.



We're very confident that what you've seen and read on the preceding pages will have left you excited about the possibilities for customizing your vehicle with the BMW Performance range. But we're absolutely certain that to truly appreciate these high-tech components, you have to experience them at first hand.

See for yourself what BMW Performance accessories have to offer, and find out how they can further enhance the sporting performance, driving dynamics and innovative technology of your BMW.

Your BMW Service Centre will be delighted to tell you more about how BMW Performance accessories can turn your BMW into something truly unique and entirely your own. More information can also be found in the Accessories section of the BMW website.

# BMW PERFORMANCE RANGE OVERVIEW: BMW 1 SERIES.

## Aerodynamics



BMW Performance aerodynamic kit

Pages 7 + 8



BMW Performance front grille in black



BMW Performance front splitter in carbon for aerodynamic kit

Page 8



BMW Performance accent strips

Page 8



BMW Performance diffuser in carbon for M aerodynamic kit

Page 10  
For BMW 1 Series 3-door and BMW 1 Series 5-door.



BMW Performance diffuser in carbon for M aerodynamic kit

Page 10  
For BMW 1 Series Coupé and BMW 1 Series Convertible.



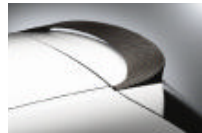
BMW Performance front splitter in carbon for M aerodynamic kit

Page 8  
For BMW 1 Series 3-door and BMW 1 Series 5-door.



BMW Performance exterior mirror caps in carbon

Page 8  
For models manufactured up to August 2009.



BMW Performance roof spoiler in carbon

Page 8  
For BMW 1 Series 3-door and BMW 1 Series 5-door.



BMW Performance rear spoiler in carbon

Page 8  
For BMW 1 Series Coupé and BMW 1 Series Convertible.



BMW Performance front splitter in carbon for vehicles without aerodynamic kit

Page 8  
For models manufactured up to March 2007.



BMW Performance exterior mirror caps in carbon

Page 8  
For models manufactured from September 2009 onwards.

## Chassis



BMW Performance double spoke 269, 18-inch

Page 17



BMW Performance chassis

Pages 20 + 21  
Not for BMW 1 Series Convertible.



BMW Performance double spoke 313, 18-inch

Page 17



BMW Performance suspension cross-brace in carbon 116d, 118d, 120d, 123d, 125i, 130i

Page 23



BMW Performance braking system

Page 15  
Available for certain models only.



BMW Performance suspension cross-brace in aluminium 116d, 118d, 120d, 123d, 125i, 130i

Page 23

## Drive train



BMW Performance power kit 120d, 135i

Pages 26 + 27



BMW Performance air intake system 125i, 130i

Page 29



BMW Performance silencer system 120d, 125i, 130i, 135i

Page 30

## Cockpit



BMW Performance sport steering wheel I\*

Pages 34 + 35



BMW Performance gear lever knob

Page 36



BMW Performance sport steering wheel II

Pages 34 + 35



BMW Performance selector lever grip

Page 36



BMW Performance sport seats

Page 34  
Not for BMW 1 Series Convertible.



BMW Performance shift throw reduction

Page 36  
Available for certain models only.

\* Must be used in accordance with the rules of the road.

Cockpit



BMW Performance aluminium pedal pads and aluminium footrest

Page 36



BMW Performance door entry strips in stainless steel, illuminated

Page 36



BMW Performance handbrake grip

Page 36



BMW Performance interior trim strips in carbon

Pages 34 + 35



For more information about the BMW Performance product range, please see the Accessories section of the BMW website.



# BMW PERFORMANCE RANGE OVERVIEW: BMW 3 SERIES.

## Aerodynamics



BMW Performance aerodynamic kit

Pages 6 + 7  
For BMW 3 Series Saloon and BMW 3 Series Touring.



BMW Performance rear spoiler I in carbon

Page 8



BMW Performance front splitter in carbon for M aerodynamic kit\*

Page 8



BMW Performance front splitter in carbon for aerodynamic kit

Page 8



BMW Performance diffuser with trim in carbon for aerodynamic kit

Page 8  
For BMW 3 Series Saloon and BMW 3 Series Touring.



BMW Performance diffuser in carbon for M aerodynamic kit\*

Page 8  
For BMW 3 Series Saloon and BMW 3 Series Touring.



BMW Performance rear spoiler II in carbon

Page 8



BMW Performance front splitter in carbon for M aerodynamic kit\*

Page 8  
For BMW 3 Series Coupé and BMW 3 Series Convertible.



BMW Performance front splitter in carbon for vehicles without aerodynamic kit\*

Page 8  
For BMW 3 Series Coupé and BMW 3 Series Convertible.



BMW Performance diffuser for M aerodynamic kit

For BMW 3 Series Coupé and BMW 3 Series Convertible.



BMW Performance front grille in black



BMW Performance rear spoiler in carbon

Page 8



BMW Performance front splitter in carbon for vehicles without aerodynamic kit\*

Page 8  
For BMW 3 Series Saloon and BMW 3 Series Touring.



BMW Performance exterior mirror caps in carbon

Page 8

## Chassis



BMW Performance accent strips

Page 8  
Not for BMW 3 Series Touring.



BMW Performance double spoke 269, 19-inch\*

Page 17



BMW Performance suspension chassis

Pages 20 + 21  
For BMW 3 Series Saloon and BMW 3 Series Coupé.



BMW Performance double spoke 313, 19-inch

Page 17



BMW Performance suspension cross-brace in carbon\* 318d, 320d, 323i, 325xi, 325i, 330xi, 330i

Page 23



BMW Performance braking system

Page 15  
Available for certain models only.



BMW Performance suspension cross-brace in aluminium 318d, 320d, 323i, 325xi, 325i, 330xi, 330i

## Drive train



BMW Performance power kit 320d, 335i

Pages 26 + 27



BMW Performance air intake system\* 323i, 325i, 330i

Page 29



BMW Performance silencer system 320d, 330i, 335i

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## Cockpit



BMW Performance sport steering wheel I\*\*

Pages 34 + 35



BMW Performance sport steering wheel II

Pages 34 + 35



BMW Performance sport seats

Page 34  
Not for BMW 3 Series Convertible.

Cockpit



BMW Performance gear lever knob\*

Page 36



BMW Performance aluminium pedal pads\* and aluminium footrest\*

Page 36



BMW Performance door entry strips in stainless steel, illuminated

Page 36



BMW Performance selector lever grip



BMW Performance handbrake grip

Page 36



BMW Performance shift throw reduction\*

Page 36  
Available for certain models only.



BMW Performance interior trim strips in carbon

Pages 34 + 35

For more information about the BMW Performance product range, please see the Accessories section of the BMW website.





More about BMW



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**Your local BMW Service Centre will be happy to advise you on the full range of accessories available.**

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