



By appointment
to HM The Queen
motor car manufacturers
Bentley Motors Limited
Crewe Cheshire



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to HRH The Prince of Wales
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BENTLEY

Press Information

BENTLEY BENTAYGA DIESEL: EFFORTLESS DRIVING WITH PEERLESS LUXURY

- **The first diesel Bentley – power, refinement and range**
- **New-generation, triple-charged 4.0-litre V8 engine develops class-leading 435 PS (429 bhp) and 900 Nm (664 lb.ft.) torque**
- **World's fastest diesel SUV: 0-100 km/h in 4.8 seconds and top speed of 270 km/h (168 mph)**
- **Bentayga's go-anywhere grand touring capability further enhanced with a 1,000 km range potential**
- **Lowest CO₂ output of any Bentley – 210 g/km**

(Crewe, 21 September 2016) Bentley Motors today announces full details of the first diesel model in the iconic British brand's history – the Bentayga Diesel.

At the heart of the world's fastest and most powerful luxury diesel SUV is an all-new, technologically advanced, triple-charged, 4.0-litre, 32-valve V8 engine. Developing 435 PS (429 bhp) and 900 Nm (664 lb. ft.) of torque, the Bentayga Diesel hits a top speed of 270 km/h (168 mph) and can accelerate from 0-100 km/h in 4.8 seconds (0-60 mph in 4.6 seconds).

Bentley's Crewe-based engineers have developed a V8 powertrain to deliver an authentic Bentley driving experience. Peak torque is available from very early in the rev range (just 1,000 rpm), which makes progress in the Bentayga Diesel truly effortless.

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New clean technology gives the Bentayga Diesel the lowest CO₂ emissions of any Bentley, as well as a range of over 1,000 km (621 miles) – allowing owners to, for example, drive from London to Verbier, Bordeaux or the Scottish Highlands on a single tank.

Inside, the Bentayga Diesel retains the innovative features, advanced technologies and handcrafted luxury for which the Bentley Bentayga is renowned.

Wolfgang Dürheimer, chairman and chief executive of Bentley Motors, said: “The Bentayga Diesel represents a moment of immense significance in Bentley’s history, by giving the world its fastest luxury diesel SUV. Immense power, grand touring capabilities and superb refinement – this is a true Bentley. Only Bentley could produce a car so powerful, yet so refined.”

Clean, Powerful Performance – V8 Engine Offers Sublime Capability

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The Bentayga Diesel retains the dynamic performance of the Bentayga W12, while introducing clean technologies and enhanced range.

The next-generation 4.0-litre V8 engine, mated to a ZF eight-speed automatic transmission, develops a class-leading 435 PS (429 bhp) and 900 Nm (664 lb. ft.) of torque. Variable-geometry, sequential twin-scroll turbochargers are powered by the exhaust gases, while a third electric supercharger – powered by Bentley’s innovative 48V system – spools up within 30 microseconds to eliminate turbo lag. The effect is effortless, seamless power delivery across the entire engine-speed range – the quintessential Bentley driving experience.



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This enables the Bentayga Diesel to deliver a 0-100 km/h time of 4.8 seconds (0-60 mph in 4.6 seconds) and a top speed of 270 km/h (168 mph).

An immense amount of torque is available from very low speeds, with peak torque achieved from just 1,000 rpm, for both seamless on-road performance and exemplary off-roading ability. The immediate flow of power complements the traditional, class-leading refinement and performance customers have come to expect.

The new model has also been made with a number of specific developments to provide peerless refinement. For example, the bespoke exhaust system has been acoustically engineered to be as quiet and refined as possible.

The addition of Selective Catalytic Reduction contributes to lower nitrous oxides. Combined with Bentley's stop-start system; class-leading CO₂ emissions of 210 g/km; and an impressive range of over 1,000 km between fuel stops, this technology puts the Bentayga Diesel at the forefront of advanced engine efficiency.

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Contemporary, Luxurious British Design

The Bentayga Diesel demonstrates the same authentic and modern British luxury design as its W12-powered stablemate, while also benefitting from a number of unique styling additions.

A V8 Diesel badge is embedded on the lower front door edge, complemented by a new Bentley 'twin-quad' exhaust tailpipe design, which provide a further subtle reminder of the new engine specification.



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Further distinctive external styling cues include a bold, black matrix grille with chrome surround and central bar, which serves as a signature for the powertrain that lies behind. A new optional Mulliner Driving Specification 21" wheel – available in a silver or grey painted finish (the latter with machined accents to the spoke and rim) – can be specified, with a 20" ten-spoke alloy wheel offered as standard.

The Bentayga's cockpit sets new standards for both luxury and precision, with meticulous tolerances between the exquisite veneered woods and metal elements.

The hand-selected veneers – including a new Liquid Amber finish introduced with Bentayga Diesel – form pure and elegant surfaces throughout the cabin. Each of the 15 pieces are shaped by Bentley's artisans and finished with trademark Bentley attention to detail.

As with all Bentleys, the Bentayga Diesel can be handed over to the highly skilled craftspeople at Mulliner, Bentley's bespoke coachbuilding department, who will respond to individual customer requirements.

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The Bentayga is available with an exquisite integrated Mulliner Hamper Set, complete with refrigerator, bespoke fine Linley china cutlery, crockery and crystal glass, and storage area for dry goods. For comfort in the great outdoors, sections of the hamper can be removed and used as seats.

A bespoke mechanical Mulliner Tourbillon by Breitling clock can also be specified. The most complex of watch mechanisms, the Mulliner Tourbillon is automatically wound periodically by a dedicated high-precision winding



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mechanism within the car. This masterpiece is machined in solid gold (customers can select from either rose or white gold), with a choice of either a mother-of-pearl or black ebony face and decorated with eight diamond indexes.

Effortless Bentley Performance, Unrestrained by Climate or Terrain

The development programme for the Bentayga has been the most exhaustive in the Bentley brand's history, ranging across five continents. From the dirt and gravel of South Africa and the dunes of Dubai, to the muddy fields of Cheshire, and from -30°C in the frozen North Cape to searing 50°C desert heat, the Bentayga's ability to perform on any surface and even in the most extreme conditions has been proven.

The Bentayga Diesel can be specified with Bentley Dynamic Ride – the world's first electric active roll control technology that utilises an unrivalled 48V system. Inherent in larger vehicles with a higher centre of gravity, this system instantly counteracts lateral rolling forces when cornering and ensures maximum tyre contact to deliver class-leading cabin stability, ride comfort and exceptional handling.

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Bentley's adaptive and reactive system provides variable torsional resistance, allowing the Bentayga to be both dynamically capable and comfortable for all occupants at all times. The pioneering use of a 48V system – which on Bentayga Diesel utilises a new lithium-ion battery system to offer even greater reserves of power – results in silent, instantaneous responses to deal with all road surfaces.



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Electric Power-Assisted Steering (EPAS) is also featured on the Bentayga. The new system improves feedback to the driver, while providing isolation from steering kick-back both on- and off-road. EPAS also features a variable rack ratio, permitting light and fast steering while manoeuvring at low speeds, as well as a more subdued response for excellent stability at high speeds.

The Bentayga Diesel offers class-leading ride comfort, steering feel and handling thanks to the partnership of a highly sophisticated chassis and Electronic Stability Control (ESC). In addition to advanced, multi-mode Traction Control (TCS), the Bentayga also features Hill Descent Control.

Hill Descent Control automatically regulates the vehicle's speed on steep declines, allowing the driver to concentrate fully on steering and obstacles ahead. It can be pre-set at speeds between two and 30 km/h (going in either direction) and works on gradients greater than five per cent.

As with all Bentleys, the Bentayga Diesel comes with multi-mode air suspension. The driver has four different modes to choose from: High 2, High 1, Normal and Low. High 2, for example, can be manually selected when tackling more severe off-road surfaces. Customers can also lower the rear suspension via a switch in the boot, to ease loading and trailer hitching.

Innovative Features and Advanced Technologies

A suite of state-of-the-art driver assistance systems and infotainment features designed to enhance safety, comfort and convenience make the Bentayga Diesel an innovative, advanced and connected luxury SUV.

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It offers the widest range of on- and off-road drive settings of any vehicle via Bentley's Drive Dynamics Mode and optional Responsive Off-Road Settings. Up to eight modes are available, allowing drivers, at the simple turn of a dial, to select the perfect dynamic set-up for any surface or road condition. This versatility is complemented by Bentley Dynamic Ride (electrically activated 48V active roll control) and Electric Power-Assisted Steering (EPAS).

Responsive Off-Road Settings allows the customer to select the appropriate vehicle settings for a wide range of off-road surfaces, while the Driver Information Panel displays information on pitch, roll, wheel articulation, steering angle, compass bearing and altitude.

Adaptive Cruise Control (ACC) including Stop & Go, Predictive ACC and Traffic Assist enables the driver to maintain a set distance to the vehicle in front. Predictive ACC uses the navigation data, sensors and cameras to predict upcoming corners, city boundaries and speed-limit changes and can then modify the vehicle speed accordingly, improving both comfort and fuel economy.

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In urban environments, there are a number of driver aids available on the Bentayga Diesel. These systems – such as Traffic Sign Recognition, which detects a wide variety of traffic signs and displays information to the driver; Rear Crossing Traffic Warning, which uses radar technology to detect crossing traffic when reversing out of a parking space; and Top View, a system which uses four cameras to display an overall picture of the vehicle's surroundings – combine to enhance everyday usability.



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Park Assist is also available – a system that detects suitable parking spaces (both parallel and perpendicular) before autonomous steering takes over to support parking manoeuvres, even in narrow and tricky spaces.

Other innovative systems available include Electronic Night Vision, which uses infra-red technology to identify potential obstacles ahead, and a Head-Up Display, which reduces driver distraction and increases safety.

The Bentayga's eight-inch touch screen infotainment system boasts class-leading navigation technology, a 60GB hard drive, and a choice of up to 30 languages.

Rear seat passengers benefit from the introduction of the Bentley Entertainment Tablet – a removable 10.2" Android device with 4G, WiFi and Bluetooth for effortless, high-speed on-board connectivity.

Customers can choose between three different sound systems for the Bentayga Diesel: Bentley Standard Audio, Bentley Signature Audio and Naim for Bentley Premium Audio. The latter is the most powerful system in the segment, with 1,950 watts, a network of 18 speakers and super-tweeters for unrivalled recreation of the highest audio frequencies.

Customer deliveries will begin in Europe early next year, with entry into Russia, South Africa, Australia, New Zealand and Taiwan planned across the rest of 2017.

To explore the Bentayga in more detail, visit www.bentleyconfigurator.com.

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Technical Specification

Engine	
Type	4-litre Twin turbo with E Supercharger direct injection V8
Max Power	435 PS / 429 bhp / 320 kW @ 3750-5000 rpm
Max Torque	900 Nm / 664 lb.ft @1000-3250 rpm
Transmission	
Driveline	ZF eight-speed automatic gearbox, permanent all-wheel drive, Torsen centre differential, open rear differential, 40:60 front:rear torque split
Ratios	1 st : 4.714; 2 nd : 3.143; 3 rd : 2.106; 4 th : 1.667; 5 th : 1.285; 6 th : 1.000; 7 th : 0.839; 8 th : 0.667
Final Drive	3.308
Brakes, Wheels and Tyres	
Front Brakes	400mm ventilated iron discs
Rear Brakes	380mm ventilated iron discs
Wheels	Standard 20", optional 21" and 22"
Tyres	Pirelli 275/50R20, 285/45 R21, 285/45 ZR21, 285/40ZR22
Steering	
Type	Electronic Power Assisted Steering, variable ratio
Turns lock-to-lock	2.3 turns
Turning circle	12.4 m / 40.6 ft
Suspension	
Front	Four link double wishbones, optional 48V electric active anti-roll bar
Rear	Trapezoidal multi-link, optional 48V electric active anti-roll bar
Springs and dampers	Self-levelling air suspension, Continuous Damping Control
Dimensions	
Wheelbase	2995 mm / 117.9"
Overall length	5140 mm / 202.4"
Width (across body)	1998 mm / 78.7"
Width (inc. mirrors)	2224 mm / 87.6"
Overall height	1742 mm / 68.6"
Fuel tank	85 litres / 18.7 UK gallons / 22.5 US gallons
Boot volume	430 litres / 15.2 cu ft (590 litres / 20.8 cu ft load cover retracted)
Kerb weight (EU)	2390 kg / 5269 lb
Gross vehicle weight	3250 kg / 7165 lb
Performance - provisional and subject to Type Approval	
Top speed	168 mph / 270 km/h
0-60 mph	4.6 secs
0-100 km/h	4.8 secs
Fuel Consumption (EU cycle) - provisional and subject to Type Approval	
Urban	31.3 mpg / 9.0 litres/100 km
Extra Urban	38.2 mpg / 7.4 litres/100 km
Combined	35.8 mpg / 7.9 litres/100 km
CO ₂ emissions	210 g/km
Emissions Controls	EU 6

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Notes to editors

Bentley Motors is the most sought after luxury car brand in the world. The company's headquarters in Crewe is home to all of its operations including design, R&D, engineering and production of the company's four model lines – Continental, Flying Spur, Bentayga and Mulsanne. The combination of fine craftsmanship, using skills that have been handed down through generations, alongside engineering expertise and cutting-edge technology is unique to UK luxury car brands such as Bentley. It is also an example of high-value British manufacturing at its best. Bentley employs around 4,000 people at Crewe.

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