



Press release  
07 November 2019

**Euro NCAP crash testing: five stars for the new BMW 3 Series.**

**Latest generation of the BMW 3 Series is awarded the highest rating in the European consumer protection tests and scores the best result for adult occupant protection achieved by a midsize car since the current test format was introduced.**

**Munich.** The new BMW 3 Series sets new standards for driving dynamics, aesthetic appeal and advanced technology in the areas of control/operation, driver assistance and connectivity. And the new BMW 3 Series Sedan and BMW 3 Series Touring also lead the way in their class when it comes to safety. The latest-generation 3 Series has been awarded the maximum five-star rating in the recent round of Euro NCAP (New Car Assessment Programme) crash testing. Added to which, it emerged with the best ever result for adult occupant protection achieved by a “large family car” (midsize model) since the introduction of the current, extremely demanding Euro NCAP test format. The BMW 3 Series also recorded excellent results for child occupant protection, “Vulnerable Road User” (e.g. pedestrian) protection and standard safety equipment.

A five-star rating in Euro NCAP crash testing represents a glowing endorsement of the effectiveness of a vehicle’s integrated safety concept, which – in the new BMW 3 Series, as in other models – encompasses both the body structure and the restraint systems. Supporting structures with a weight-optimised design and a high load-bearing capacity combine with precisely engineered deformation paths in the new 3 Series to provide the ideal basis for preserving the passenger cell’s rigidity in various types of collision – i.e. for keeping the occupants’ survival space intact. In Euro NCAP testing, the aluminium/high-strength steel safety passenger cell of the new BMW 3 Series proved to be extremely robust – both in the frontal and side collisions and the side pole impact. In a frontal collision, the forces acting on the vehicle are diverted via multiple

\* All figures relating to the performance, fuel/electric power consumption and CO2 emissions are provisional.

The figures for fuel consumption, CO2 emissions and power consumption are calculated based on the measurement methods stipulated in the current version of Regulation (EU) 2007/715. The figures are calculated using a vehicle fitted with basic equipment in Germany, the ranges stated take into account differences in selected wheel and tyre sizes as well as the optional equipment. They may change during configuration. The figures have already been calculated based on the new WLTP test cycle and adapted to NEDC for comparison purposes. In these vehicles, different figures than those published here may apply for the assessment of taxes and other vehicle-related duties which are (also) based on CO2 emissions.

For further details of the official fuel consumption figures and official specific CO2 emissions of new cars, please refer to the "Manual on fuel consumption, CO2 emissions and power consumption of new cars", available free of charge at all sales outlets, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Schramhausen and at <https://www.dat.de/co2/>.



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load paths in the floor assembly, side frame, bulkhead and roof, and absorbed by large deformation zones. Reinforced side structures in the B-pillars and side sill areas, high-strength side impact members in the doors and sturdy seat cross-members protect the occupants in the event of a side-on collision. The seats and head restraints have been specially designed to minimise the risk of whiplash injuries resulting from a collision against the rear of the vehicle. Strengthened pillars and roof members ensure that the passenger cell retains its rigidity if the car rolls over.

Central safety electronics control the functioning of the various restraint systems fitted in the new BMW 3 Series. This means the three-point inertia-reel seatbelts on all seats deploy as part of a precisely coordinated response with the front, side and head airbags – according to the type of impact and its severity. The testers' evaluation of the crash test results revealed that the new BMW 3 Series offers exceptionally high levels of protection for adult occupants, with an almost perfect score of 97 per cent. They are therefore protected from injury to an outstanding degree, regardless of their height or the seat's position.

The levels of safety for children also impressed the test team. ISOFIX child seat attachments for the outer seats in the rear of the new BMW 3 Series make this an extremely safe place for children to travel. With the relevant seat systems fitted for six- and ten-year-old passengers respectively, the readings showed the test dummies were exposed to extremely modest loads in both the frontal and side crashes. The new 3 Series scored 23.8 out of a maximum 24 points for this criterion.

Evaluating the protective measures for vulnerable road users (such as pedestrians and cyclists), also forms part of Euro NCAP crash testing. The new BMW 3 Series reduces the risk of injury to these groups with carefully contoured body elements and flexible structures around its front end. It also has an active bonnet, whose pyrotechnic release mechanism is triggered as soon as the sensor



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data indicates a relevant type of collision. This raises the bonnet, creating a deformation zone that prevents direct impact with unyielding components in the engine compartment.

The extensive active safety features fitted as standard on the new BMW 3 Series are another factor in its five-star rating. The collision and pedestrian warning with braking function managed to safely avert a collision in all test scenarios, earning it maximum points in the assessment. This technology forms part of the standard Active Guard system that also comprises Lane Departure Warning with lane return and the Speed Limit Display road sign detection system with no-overtaking indicator. Standard specification for the 3 Series also includes DSC (Dynamic Stability Control), a tyre pressure indicator showing the pressures for each wheel, the Attentiveness Assistant and intelligent emergency call with BMW Accident Assistance.

The fuel consumption, CO<sub>2</sub> emissions, electric power consumption and electric 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 values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. 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/>.

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### The BMW Group

With its four brands BMW, MINI, Rolls-Royce and BMW Motorrad, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and also provides premium financial and mobility services. The BMW Group production network comprises 31 production and assembly facilities in 15 countries; the company has a global sales network in more than 140 countries.

In 2018, the BMW Group sold over 2,490,000 passenger vehicles and more than 165,000 motorcycles worldwide. The profit before tax in the financial year 2018 was € 9.815 billion on revenues amounting to € 97.480 billion. As of 31 December 2018, the BMW Group had a workforce of 134,682 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company has therefore established ecological and social sustainability throughout the value chain, comprehensive product responsibility and a clear commitment to conserving resources as an integral part of its strategy.

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