



BMW 3 series
Standard Safety Equipment

2019



Adult Occupant



97%

Child Occupant



87%

Vulnerable Road Users



87%

Safety Assist



76%

SPECIFICATION

Tested Model	BMW 320d, LHD
Body Type	- 4 door saloon
Year Of Publication	2019
Kerb Weight	1530kg
VIN From Which Rating Applies	- see 'Rating Validity'
Class	Large Family Car

Rating Expired

SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	●	●	—
Belt pretensioner	●	●	●
Belt loadlimiter	●	●	●
Knee airbag	●	✗	—
SIDE CRASH PROTECTION			
Side head airbag	●	●	●
Side chest airbag	●	●	✗
Side pelvis airbag	●	●	✗
	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	—	✗	●
Integrated CRS	—	✗	✗
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●

SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	—	×	●
Integrated CRS	—	×	×
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●

OTHER SYSTEMS	
Active Bonnet (Hood)	●
AEB Pedestrian	●
AEB City	●
AEB Cyclist	●
AEB Inter-Urban	●
Speed Assistance System	●
Lane Assist System	●

Note: Other equipment may be available on the vehicle but was not considered in the test year.

- Fitted to the vehicle as standard ○ Fitted to the vehicle as part of the safety pack
 ○ Not fitted to the test vehicle but available as option or as part of the safety pack × Not available — Not applicable

 ADULT OCCUPANT

Total 37.1 Pts / 97%

 GOOD  ADEQUATE  MARGINAL  WEAK  POOR

Frontal Offset Deformable Barrier 7.9 / 8 Pts



Passenger



Driver

Frontal Full Width 7.6 / 8 Pts



Rear Passenger



Driver

Whiplash Rear Impact 1.6 / 2 Pts



Front seat



Rear seat

Lateral Impact 16.0 / 16 Pts



Car



Pole

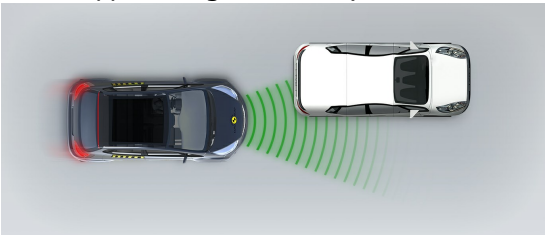
 ADULT OCCUPANT

Total 37.1 Pts / 97%

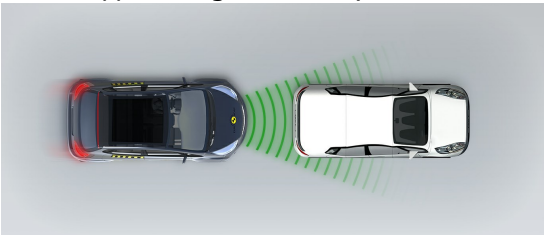
GOOD ADEQUATE MARGINAL WEAK POOR

AEB City 4.0 / 4 Pts

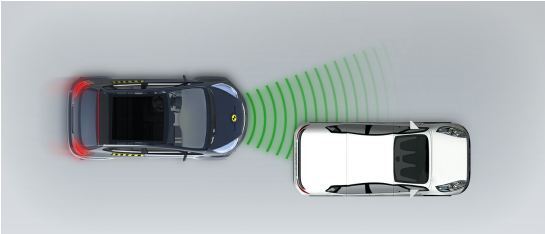
Approaching a stationary car: Left Offset



Approaching a stationary car: No Offset



Approaching a stationary car: Right Offset



 ADULT OCCUPANT

Total 37.1 Pts / 97%

Comments

The passenger compartment of the 3-series remained stable in the frontal offset test. Dummy readings indicated good protection of the knees and femurs of both the driver and passenger. BMW showed that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. In the full-width rigid barrier test, protection of the driver and rear passenger was good or adequate for all critical body areas. The car scored maximum points in both side impact tests, with good protection of all critical body areas in both the barrier impact and the more severe pole test. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric assessment of the rear seats also indicated good whiplash protection. The standard-fit autonomous emergency braking (AEB) system scored maximum points in tests of its functionality at low, city-driving speeds, with collisions avoided in all test scenarios.



CHILD OCCUPANT

Total 42.8 Pts / 87%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Crash Test Performance based on 6 & 10 year old children

23.8 / 24 Pts

Frontal Impact

15.8 Pts



Lateral Impact

8 Pts

Restraint for 6 year old child: *Britax Römer Römer Kidfix XP*Restraint for 10 year old child: *Booster Cushion*

Safety Features

7.0 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	✗	●	✗
i-Size	✗	●	✗
Integrated CRS	✗	✗	✗

● Fitted to test car as standard
 ○ Not on test car but available as option
 ✗ Not available

CRS Installation Check

12.0 / 12 Pts

● Install without problem ● Install with care ● Safety critical problem ✗ Installation not allowed

■ i-Size CRS

 Maxi Cosi 2way Pearl & 2wayFix
 (rearward) (iSize)

 Maxi Cosi 2way Pearl & 2wayFix
 (forward) (iSize)


BeSafe iZi Kid X2 i-Size (iSize)



BeSafe iZi Flex FIX i-Size (iSize)



■ ISOFIX CRS

Maxi Cosi Cabriofix & FamilyFix (ISOFIX)



BeSafe iZi Kid X4 ISOfix (ISOFIX)



Britax Römer Duo Plus (ISOFIX)



Britax Römer KidFix XP (ISOFIX)





CHILD OCCUPANT

Total 42.8 Pts / 87%

■ Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyBase2 (Belt)



Britax Römer King II LS (Belt)



Britax Römer KidFix XP (Belt)



Comments

In the frontal offset and side barrier crash tests, protection of both the 6- and 10-year dummies was good or adequate for all critical parts of the body. The front passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag, and the system was rewarded. All of the restraint types for which the 3-series is designed could be properly installed and accommodated.



CHILD OCCUPANT

Total 42.8 Pts / 87%

	Seat Position			
	Front	2nd row		
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize)	—	●	—	●
Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize)	—	●	—	●
BeSafe iZi Kid X2 i-Size (iSize)	—	●	—	●
BeSafe iZi Flex FIX i-Size (iSize)	—	●	—	●
Maxi Cosi CabrioFix & FamilyFix (ISOFIX)	—	●	—	●
BeSafe iZi Kid X4 ISOfix (ISOFIX)	—	●	—	●
Britax Römer Duo Plus (ISOFIX)	—	●	—	●
Britax Römer KidFix XP (ISOFIX)	—	●	—	●
Maxi Cosi CabrioFix (Belt)	●	●	●	●
Maxi Cosi CabrioFix & EasyBase2 (Belt)	●	●	✗	●
Britax Römer King II LS (Belt)	●	●	●	●
Britax Römer KidFix XP (Belt)	●	●	●	●

● Easy
● Difficult
● Safety critical
✗ Not allowed
— Not available

Comments

In the frontal offset and side barrier crash tests, protection of both the 6- and 10-year dummies was good or adequate for all critical parts of the body. The front passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag, and the system was rewarded. All of the restraint types for which the 3-series is designed could be properly installed and accommodated.



VULNERABLE ROAD USERS

Total 42.0 Pts / 87%

 GOOD

 ADEQUATE

 MARGINAL

 WEAK

 POOR

VRU Impact Protection

31.6 / 36 Pts



Head Impact 22.3 Pts

Pelvis Impact 3.3 Pts

Leg Impact 6.0 Pts

Vulnerable Road Users

10.5 / 12 Pts

System Name	Person Warning with City Braking Function
Type	Auto-Brake with Forward Collision Warning
Operational From	5 km/h

Comments

The 3-series has an 'active' bonnet. Sensors in the bumper detect when a pedestrian has been struck and actuators lift the bonnet to provide greater clearance to the stiff structures in the engine compartment. BMW showed that the system performed robustly for a variety of pedestrian statures and over a wide range of speeds. Accordingly, the bonnet was tested in its deployed, raised position and protection over its surface was almost entirely good, poor results being recorded only along the base of the windscreen and on the stiff windscreen pillars. The bumper provided good protection to pedestrians' legs at all test points. Protection of the pelvis was mixed with areas of good and poor protection. The AEB system can detect pedestrians and cyclists as well as other cars. In tests of its response to such vulnerable road users, the system performed well, with collisions avoided or mitigated in all test scenarios.



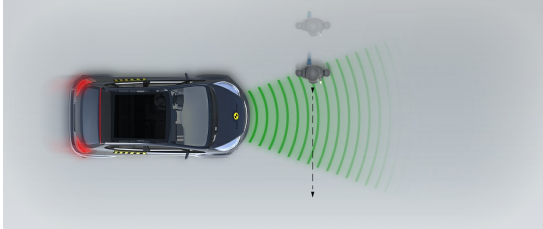
VULNERABLE ROAD USERS

Total 42.0 Pts / 87%

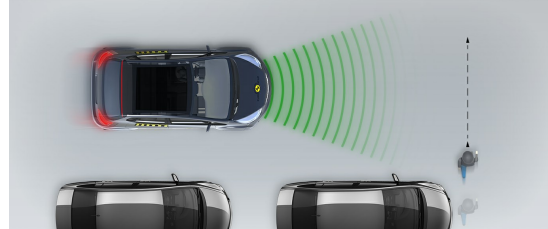
AEB Pedestrian

■ Day time

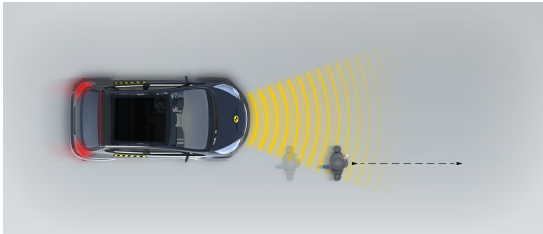
Adult crossing the road



Child running from behind parked vehicles

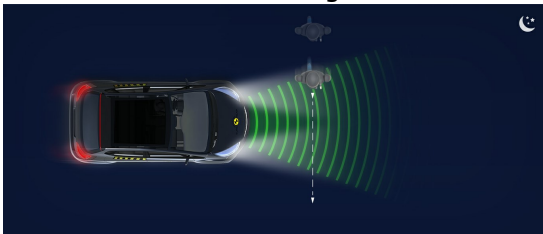


Adult along the roadside

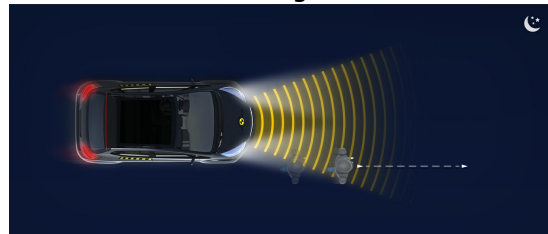


■ Night time

Adult crossing the road

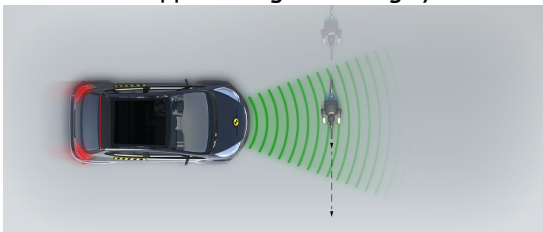


Adult along the roadside

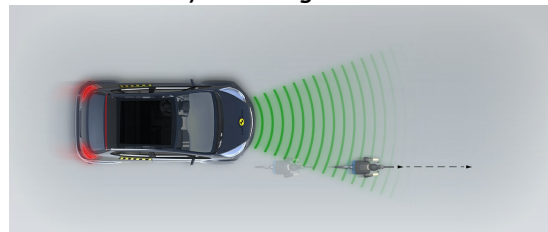


AEB Cyclist

Approaching a crossing cyclist



Cyclist along the roadside





SAFETY ASSIST

Total 10.0 Pts / 76%

 GOOD

 ADEQUATE

 MARGINAL

 WEAK

 POOR

Speed Assistance

 2.5 / 3 Pts

System Name	Speed Limit Assist
Speed Limit Information Function	Camera based
Speed Limitation Function	System advised (accurate to 5km/h)

Seatbelt Reminder

 3.0 / 3 Pts

Applies To	All Seats		
Warning	Driver Seat	Front Passenger(s)	Rear Passenger(s)
Visual			
Audible			
Occupant Detection			

 Pass
  Fail
  Not available

Lane Support

 1.8 / 4 Pts

System Name	Lane Departure Warning
Type	LKA (including LDW)
Operational From	70 km/h

PERFORMANCE

Emergency Lane Keeping	 NOT AVAILABLE
Lane Keep Assist	 GOOD
Human Machine Interface	 ADEQUATE

 SAFETY ASSIST

Total 10.0 Pts / 76%

AEB Inter-Urban 2.7 / 3 Pts

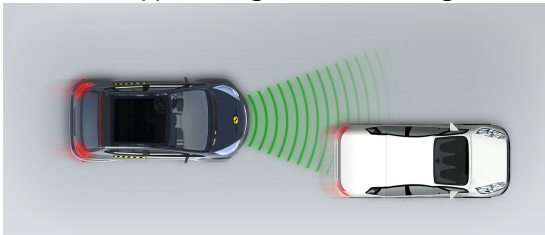
System Name	Front-End Collision Warning with Braking Function
Type	Autonomous Emergency Braking and Forward Collision Warning
Operational From	5 km/h
Additional Information	Supplementary warning

Comments

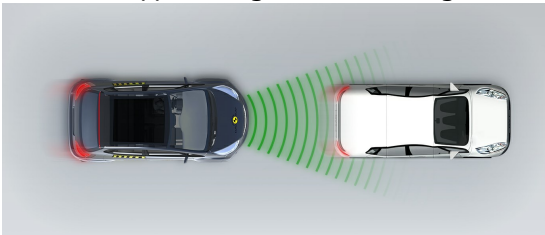
The 3-series has a seatbelt reminder as standard equipment for the front and rear seats. Lane support helps prevent inadvertent drifting out of lane by warning the driver and gently correcting the vehicle's path. The standard-fit speed assistance system uses a camera to determine the prevailing speed limit and presents this information to the driver, allowing the limiter to be set appropriately. The AEB system performed well in tests of its response to other cars at highway speeds, with collisions avoided or mitigated in all test scenarios.

■ Autobrake function only

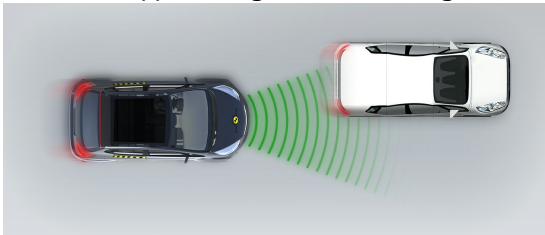
Approaching a slower moving car



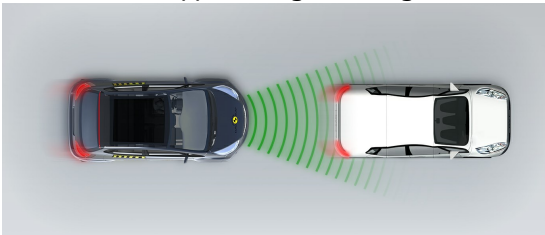
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car



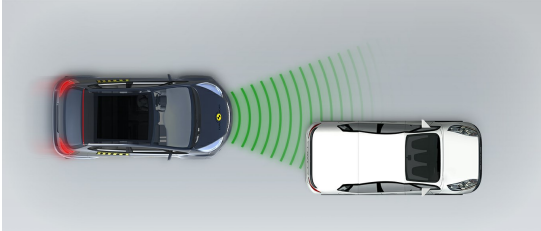


SAFETY ASSIST

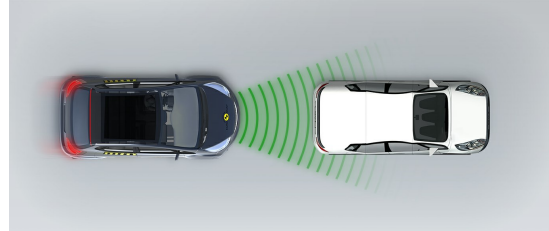
Total 10.0 Pts / 76%

■ Driver reacts to warning

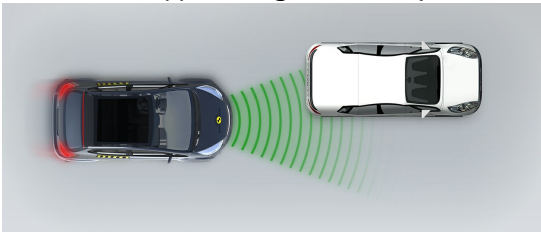
Approaching a stationary car



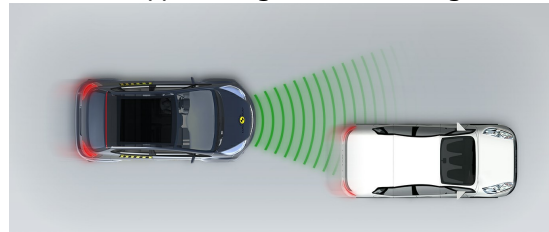
Approaching a stationary car



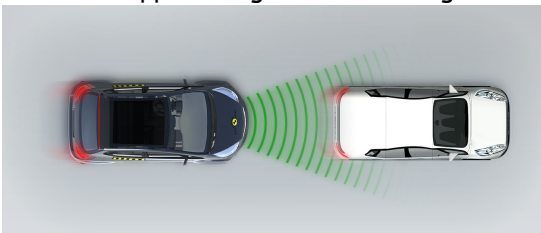
Approaching a stationary car



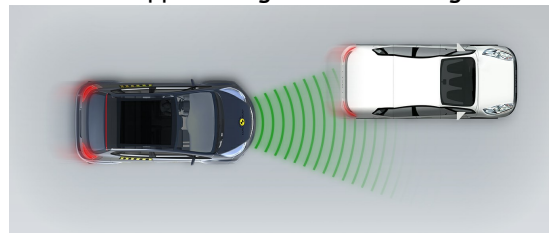
Approaching a slower moving car



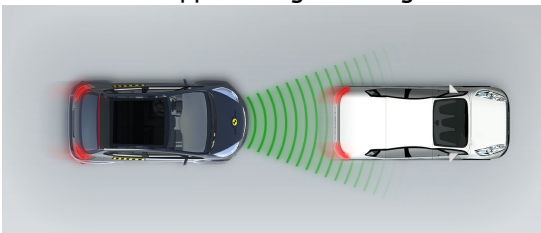
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car



RATING VALIDITY

Variants of Model Range

Body Type	Engine	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
4 door saloon, 5 door hatchback	2.0 diesel, 2.0 petrol	316d, 318d, 320d*, 318i, 320i, 330i, 320xd, 330xi, 320x	4 x 2 4 x 4	✓	✓
4 door saloon, 5 door hatchback	3.0 diesel, 3.0 petrol	340xi, 330d, 330xd	4 x 2 4 x 4	✗ ¹	✗ ¹
4 door saloon, 5 door hatchback	2.0 petrol + PHEV	320e, 330e, 330xe	4 x 2 4 x 4	✗ ²	✗ ²

* Tested variant

1 Not tested, mass outside allowed tolerance for rating

2 Additional tests required for hybrid vehicles

Annual Reviews and Facelifts

Date	Event	Outcome	
October 2019	Rating Published	2019 ★ ★ ★ ★ ★	✓