BMW 3 series
Standard Safety Equipment

Adult Occupant  Child Occupant
97%  87%

Vulnerable Road Users  Safety Assist
87%  76%

TEST RESULTS

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

SAFETY EQUIPMENT

<table>
<thead>
<tr>
<th>Safety Equipment</th>
<th>Driver</th>
<th>Passenger</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRONTAL CRASH PROTECTION</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frontal airbag</td>
<td>●</td>
<td>●</td>
<td>—</td>
</tr>
<tr>
<td>Belt pretensioner</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Belt loadlimiter</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Knee airbag</td>
<td>●</td>
<td>X</td>
<td>—</td>
</tr>
<tr>
<td><strong>SIDE CRASH PROTECTION</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side head airbag</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Side chest airbag</td>
<td>●</td>
<td>●</td>
<td>X</td>
</tr>
<tr>
<td>Side pelvis airbag</td>
<td>●</td>
<td>●</td>
<td>X</td>
</tr>
</tbody>
</table>
### SAFETY EQUIPMENT (NEXT)

<table>
<thead>
<tr>
<th></th>
<th>Driver</th>
<th>Passenger</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHILD PROTECTION</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isofix</td>
<td>—</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>Integrated CRS</td>
<td>—</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>Airbag cut-off switch</td>
<td>—</td>
<td></td>
<td>✗</td>
</tr>
<tr>
<td><strong>SAFETY ASSIST</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seat Belt Reminder</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td><strong>OTHER SYSTEMS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Active Bonnet (Hood)</td>
<td>✗</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEB Pedestrian</td>
<td>✗</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEB Cyclist</td>
<td>✗</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEB City</td>
<td>✗</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AEB Inter-Urban</td>
<td>✗</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Speed Assistance System</td>
<td>✗</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lane Assist System</td>
<td>✗</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**TEST RESULTS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
<th>Points</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td></td>
<td>37.1</td>
<td>97%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
<th>Points</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frontal Offset Deformable Barrier</td>
<td>Good</td>
<td>7.9</td>
<td></td>
</tr>
<tr>
<td>Frontal Full Width</td>
<td>Adequate</td>
<td>7.6</td>
<td></td>
</tr>
<tr>
<td>Whiplash Rear Impact</td>
<td>Marginal</td>
<td>1.6</td>
<td></td>
</tr>
<tr>
<td>Lateral Impact</td>
<td>Weak</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**
- **Passenger:**
  - Frontal Offset Deformable Barrier: Good (7.9/8 Pts)
  - Frontal Full Width: Adequate (7.6/8 Pts)
  - Whiplash Rear Impact: Marginal (1.6/2 Pts)

**Driver:**
- Frontal Offset Deformable Barrier: Good (7.9/8 Pts)
- Frontal Full Width: Adequate (7.6/8 Pts)
- Whiplash Rear Impact: Adequate (1.6/2 Pts)

**Rear Passenger:**
- Frontal Offset Deformable Barrier: Adequate (7.9/8 Pts)
- Frontal Full Width: Adequate (7.6/8 Pts)
- Whiplash Rear Impact: Adequate (1.6/2 Pts)

**Front Seat:**
- Lateral Impact: Weak (16/16 Pts)

**Rear Seat:**
- Lateral Impact: Adequate (16/16 Pts)

**Car:**
- Lateral Impact: Adequate (16/16 Pts)

**Pole:**
- Lateral Impact: Adequate (16/16 Pts)
## ADULT OCCUPANT

<table>
<thead>
<tr>
<th></th>
<th>TEST RESULTS</th>
<th>ADULT OCCUPANT</th>
<th>Total 37.1 Pts / 97%</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEB City</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approaching a stationary car: Left Offset</td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>Approaching a stationary car: No Offset</td>
<td><img src="image3.png" alt="Image" /></td>
<td><img src="image4.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>Approaching a stationary car: Right Offset</td>
<td><img src="image5.png" alt="Image" /></td>
<td><img src="image6.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td>GOOD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADEQUATE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MARGINAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEAK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POOR</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TEST RESULTS

- **Total 37.1 Pts / 97%**
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.
TEST RESULTS

CHILD OCCUPANT

Total 42.8 Pts / 87%

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

<table>
<thead>
<tr>
<th></th>
<th>Front Passenger</th>
<th>2nd row outboard</th>
<th>2nd row center</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isofix</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>i-Size</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>Integrated CRS</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
</tbody>
</table>

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

Version 041019
TEST RESULTS

CRS Installation Check

12 / 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)
TEST RESULTS

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)
## CHILD OCCUPANT

Total 42.8 Pts / 87%

<table>
<thead>
<tr>
<th></th>
<th>PASSENGER</th>
<th>LEFT</th>
<th>CENTER</th>
<th>RIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maxi Cosi 2way Pearl &amp; 2wayFix (rearward) (iSize)</td>
<td>〇</td>
<td>☀</td>
<td>〇</td>
<td>☀</td>
</tr>
<tr>
<td>Maxi Cosi 2way Pearl &amp; 2wayFix (forward) (iSize)</td>
<td>〇</td>
<td>☀</td>
<td>〇</td>
<td>☀</td>
</tr>
<tr>
<td>BeSafe iZi Kid X2 i-Size (iSize)</td>
<td>〇</td>
<td>☀</td>
<td>〇</td>
<td>☀</td>
</tr>
<tr>
<td>BeSafe iZi Flex FIXi-Size (iSize)</td>
<td>〇</td>
<td>☀</td>
<td>〇</td>
<td>☀</td>
</tr>
<tr>
<td>Maxi Cosi CabrioFix &amp; FamilyFix (ISOFIX)</td>
<td>〇</td>
<td>☀</td>
<td>〇</td>
<td>☀</td>
</tr>
<tr>
<td>BeSafe iZi Kid X4 ISOFix (ISOFIX)</td>
<td>〇</td>
<td>☀</td>
<td>〇</td>
<td>☀</td>
</tr>
<tr>
<td>Britax Römer Duo Plus (ISOFIX)</td>
<td>〇</td>
<td>☀</td>
<td>〇</td>
<td>☀</td>
</tr>
<tr>
<td>Britax Römer KidFix XP (ISOFIX)</td>
<td>〇</td>
<td>☀</td>
<td>〇</td>
<td>☀</td>
</tr>
<tr>
<td>Maxi Cosi Cabriofix (Belt)</td>
<td>☀</td>
<td>☀</td>
<td>☀</td>
<td>☀</td>
</tr>
<tr>
<td>Maxi Cosi Cabriofix &amp; EasyBase2 (Belt)</td>
<td>☀</td>
<td>☀</td>
<td>☒</td>
<td>☀</td>
</tr>
<tr>
<td>Britax Römer King II LS (Belt)</td>
<td>☀</td>
<td>☀</td>
<td>☀</td>
<td>☀</td>
</tr>
<tr>
<td>Britax Römer KidFix XP (Belt)</td>
<td>☀</td>
<td>☀</td>
<td>☀</td>
<td>☀</td>
</tr>
</tbody>
</table>

- ☀: Install without problem
- ☒: Install with care
- ☑: Safety critical problem
- ☐: Installation not allowed

### 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

<table>
<thead>
<tr>
<th>GOOD</th>
<th>ADEQUATE</th>
<th>MARGINAL</th>
<th>WEAK</th>
<th>POOR</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pedestrian</th>
<th>31.6 / 36 Pts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head Impact</td>
<td>22.3 Pts</td>
</tr>
<tr>
<td>Pelvis Impact</td>
<td>3.3 Pts</td>
</tr>
<tr>
<td>Leg Impact</td>
<td>6 Pts</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vulnerable Road Users</th>
<th>10.5 / 12 Pts</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Name</td>
<td>Person Warning with City Braking Function</td>
</tr>
<tr>
<td>Type</td>
<td>Auto-Brake with Forward Collision Warning</td>
</tr>
<tr>
<td>Operational From</td>
<td>5 km/h</td>
</tr>
</tbody>
</table>

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

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

- Cyclist crossing
- Cyclist along the roadside

TEST RESULTS

VULNERABLE ROAD USERS

Total 42.0 Pts / 87%
## SAFETY ASSIST

### Total 10.0 Pts / 76%

<table>
<thead>
<tr>
<th>GOOD</th>
<th>ADEQUATE</th>
<th>MARGINAL</th>
<th>WEAK</th>
<th>POOR</th>
</tr>
</thead>
</table>

### Speed Assistance

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

### Seat Belt Reminder

**Applies To:** All Seats  
**Warning**:
- **Driver Seat:** Pass  
- **Front Passenger(s):** Pass  
- **Rear Passenger(s):** Pass

**Visual**:
- **Driver Seat:** Pass  
- **Front Passenger(s):** Pass  
- **Rear Passenger(s):** Pass

**Audible**:
- **Driver Seat:** Pass  
- **Front Passenger(s):** Pass  
- **Rear Passenger(s):** Pass

**Occupant Detection**:
- **Driver Seat:** —  
- **Front Passenger(s):** Pass  
- **Rear Passenger(s):** Pass

### Lane Support

**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
Approaching a slower moving car

Approaching a braking car

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**

<table>
<thead>
<tr>
<th>System Name</th>
<th>Front-End Collision Warning with Braking Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Autonomous Emergency Braking and Forward Collision Warning</td>
</tr>
<tr>
<td>Operational From</td>
<td>5 km/h</td>
</tr>
<tr>
<td>Additional Information</td>
<td>Supplementary warning</td>
</tr>
</tbody>
</table>

**Comments**

**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
# TEST RESULTS

## Variants of Model Range

<table>
<thead>
<tr>
<th>Body Type</th>
<th>Engine</th>
<th>Model Name/Code</th>
<th>Drivetrain</th>
<th>Rating Applies</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 door saloon, 5 door hatchback</td>
<td>2.0 diesel, 2.0 petrol</td>
<td>316d, 318d, 320d*, 318i, 320i, 330i, 320xd, 330xi, 320x</td>
<td>4 x 2, 4 x 4</td>
<td>✓</td>
</tr>
<tr>
<td>4 door saloon, 5 door hatchback</td>
<td>3.0 diesel, 3.0 petrol</td>
<td>340xi, 330d, 330xd</td>
<td>4 x 2, 4 x 4</td>
<td>x1, x1</td>
</tr>
<tr>
<td>4 door saloon, 5 door hatchback</td>
<td>2.0 petrol + PHEV</td>
<td>320e, 330e, 330xe</td>
<td>4 x 2, 4 x 4</td>
<td>x2, x2</td>
</tr>
</tbody>
</table>

* Tested variant

1 Not tested, mass outside allowed tolerance for rating
2 Additional tests required for hybrid vehicles

## Annual Reviews and Facelifts

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 2019</td>
<td>Rating Published</td>
<td>2019 ★★★★★</td>
</tr>
</tbody>
</table>