

TEST RESULTS

# BMW 3 Series

BMW 320d, LHD

2012 ★★★★★



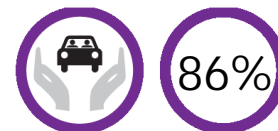
ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

## ADULT OCCUPANT

Total 34 pts | 95%

### FRONTAL IMPACT

15,8 pts



Driver



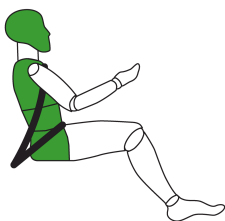
Passenger

### SIDE IMPACT CAR

8 pts

### SIDE IMPACT POLE

7,4 pts



Car



Pole

### REAR IMPACT (WHIPLASH)

3,1 pts



- GOOD
- ADEQUATE
- MARGINAL
- WEAK
- POOR

### FRONTAL IMPACT

#### HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

#### CHEST

Passenger compartment	stable
Windscreen Pillar rearward	1mm
Steering wheel rearward	none
Steering wheel upward	none
Chest contact with steering wheel	none

#### UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	none
Concentrated loads on knees	none

#### LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	brake - 14mm
Upward pedal movement	none

### SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

### WHIPLASH

Seat description	Standard cloth, 4 way manual
Head restraint type	Passive
Geometric assessment	0,8 pts

#### TESTS

- High severity	2,4 pts
- Medium severity	2 pts
- Low severity	2,3 pts

# TEST RESULTS

## CHILD OCCUPANT

Total 41 pts | 84%

### 18 MONTH OLD CHILD

**Restraint** Fair G 0/1 S Isofix  
**Group** 0, 1  
**Facing** rearward  
**Installation** ISOFIX anchorages and support frame



**PERFORMANCE** 12 pts  
**INSTRUCTIONS** 4 pts  
**INSTALLATION** 2 pts

### FRONTAL IMPACT

**Head forward movement** protected  
**Head acceleration** good  
**Chest load** good

### SIDE IMPACT

**Head containment** protected  
**Head acceleration** good

### 3 YEAR OLD CHILD

**Restraint** Fair G 0/1 S Isofix  
**Group** 0, 1  
**Facing** forward  
**Installation** ISOFIX anchorages and support frame



**PERFORMANCE** 11,9 pts  
**INSTRUCTIONS** 4 pts  
**INSTALLATION** 2 pts

### FRONTAL IMPACT

**Head forward movement** protected  
**Head acceleration** good  
**Chest load** fair

### SIDE IMPACT

**Head containment** protected  
**Head acceleration** good

### VEHICLE BASED ASSESSMENT

5 pts

### Airbag warning Label

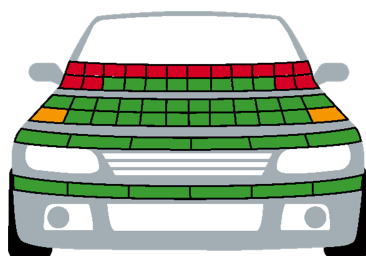
Text and pictogram warning label on both sides of passenger sun visor

## PEDESTRIAN

Total 28 pts | 78%

## SAFETY ASSIST

Total 6 pts | 86%



**GOOD**  
**MARGINAL**  
**POOR**

**HEAD** 15,9 pts  
**PELVIS** 6 pts  
**LEG** 6 pts

### SPEED LIMITATION ASSISTANCE

0 pts

Not assessed

### ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- DSC Pass  
 Yaw rate ratio (1.00s) 1,84 %  
 Yaw rate ratio (1.75s) 1,52 %  
 Lateral displacement (1.07s) 3,22 m

### SEATBELT REMINDER

3 pts

- driver Pass  
 - passenger Pass  
 - rear Pass

## DETAILS OF TESTED CAR

### SPECIFICATIONS

<b>Tested model</b>	BMW 320d, LHD
<b>Body type</b>	4 door saloon
<b>Year of publication</b>	2012
<b>Kerb weight</b>	1495kg
<b>VIN from which rating applies</b>	applies to all BMW 3 series of the specification tested

### SAFETY EQUIPMENT

<b>Front seatbelt pretensioners</b>	
<b>Front seatbelt load limiters</b>	
<b>Driver frontal airbag</b>	
<b>Front passenger frontal airbag</b>	
<b>Side body airbags</b>	
<b>Side head airbags</b>	
<b>Electronic Stability Control</b>	DSC
<b>Seatbelt Reminder</b>	driver, passenger and rear seats

## COMMENTS

### Adult occupant

The passenger compartment of the 3 Series remained stable in the frontal impact. Dummy readings indicated good protection of the knees and femurs of the driver and passenger. BMW showed that a similar level of protection would be provided for occupants of different sizes and to those sat in different positions. In the side barrier test, all body regions were well protected and the car scored maximum points. In the more severe side pole test, protection of the chest and abdomen was adequate and that of the head and pelvis was good. The seat and head restraint provided good protection against whiplash injuries in the event of a rear-end collision.

### Child occupant

Based on dummy results in the dynamic tests, the 3 Series scored maximum points for its protection of the 18 month infant, and lost only a fraction of a point for protection of the 3 year old. In the frontal impact, forward movement of the head of the 3 year dummy, sat in a forward facing restraint, was not excessive. In the side impact, both dummies were properly contained by the protective shells of their restraints, minimising the likelihood of contact with parts of the car's interior. A switch is available as an option to deactivate the passenger airbag, allowing a rearward facing child restraint to be used in the passenger seat. This was not assessed as it is not standard equipment. There were clear warnings of the dangers of using a rearward facing restraint in that seating position without having deactivated the airbag.

### Pedestrian

Both the bumper and the front edge of the bonnet provided good protection to pedestrians and the car scored maximum points in these areas. In almost all areas where a child's head might strike, the bonnet provided good protection but was predominantly poor in those areas likely to be struck by an adult's head.

### Safety assist

Electronic stability control is standard equipment on the 3 Series and met Euro NCAP's requirements. A seatbelt reminder is standard for the driver, front passenger and rear seats. A speed limitation device is available but was not assessed by Euro NCAP as it is offered as an option.