

# Mercedes-Benz B-Class

Mercedes-Benz B220 CDI, LHD

2011 ★★★★★



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

## ADULT OCCUPANT

Total 35 pts | 97%

### FRONTAL IMPACT

15,8 pts



Driver



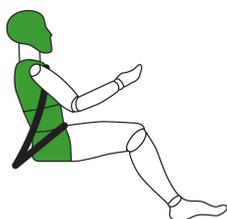
Passenger

### SIDE IMPACT CAR

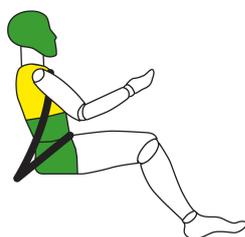
8 pts

### SIDE IMPACT POLE

7,7 pts



Car



Pole

### REAR IMPACT (WHIPLASH)

3,5 pts



### FRONTAL IMPACT

#### HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

#### CHEST

Passenger compartment	stable
Windscreen Pillar rearward	4mm
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	clutch - 58mm
Upward pedal movement	clutch - 21mm

### SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

### WHIPLASH

Seat description	Standard cloth, 6 way manual
Head restraint type	Passive
Geometric assessment	1 pts

#### TESTS

- High severity	2,5 pts
- Medium severity	2,5 pts
- Low severity	2,6 pts

# TEST RESULTS

## CHILD OCCUPANT

Total 40 pts | 81%

### 18 MONTH OLD CHILD

**Restraint** Romer BabySafe ISOFIX Plus  
**Group** 0, 0+  
**Facing** rearward  
**Installation** ISOFIX anchorages and support frame



**PERFORMANCE** 11,2 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** Romer Duo Plus  
**Group** 1  
**Facing** forward  
**Installation** ISOFIX anchorages and top tether



**PERFORMANCE** 10,5 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

6 pts

### Airbag warning Label

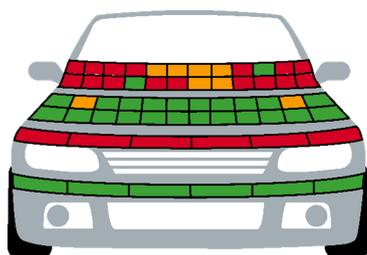
Text and pictogram warning label on both sides of passenger sun visor

## PEDESTRIAN

Total 20 pts | 56%

## SAFETY ASSIST

Total 6 pts | 86%



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

**HEAD** 14,1 pts  
**PELVIS** 0 pts  
**LEG** 6 pts

### SPEED LIMITATION ASSISTANCE

0 pts

Not assessed

### ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- ESP Pass  
 Yaw rate ratio (1.00s) 2,35 %  
 Yaw rate ratio (1.75s) 1,29 %  
 Lateral displacement (1.07s) 2,84 m

### SEATBELT REMINDER

3 pts

- driver Pass  
 - passenger Pass  
 - rear Pass

## DETAILS OF TESTED CAR

### SPECIFICATIONS

<b>Tested model</b>	Mercedes-Benz B220 CDI, LHD
<b>Body type</b>	5 door
<b>Year of publication</b>	2011
<b>Kerb weight</b>	1475kg
<b>VIN from which rating applies</b>	applies to all B Class of the specification tested

### SAFETY EQUIPMENT

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

## COMMENTS

### Adult occupant

The B-Class Coupe is fitted as an option with Mercedes Benz's 'PRE-SAFE'® system which primes the restraint and protection systems in readiness for a collision. In Euro NCAP's frontal and side barrier impacts, the PRE-SAFE® System was not activated. In the frontal impact, the B Class scored maximum points for its protection of the driver with all body areas being well protected. For the passenger, good protection was provided in all body areas except for the lower legs, protection of which was rated as adequate. Mercedes-Benz showed that good protection would also be provided to the knees and femurs of occupants of different sizes and to those sat in different positions. In the side barrier test, the B Class scored maximum points, all body areas being well protected. In the more severe side pole test, protection of the chest was adequate and that of all other body areas was good. The front seat and head restraint provided good protection against whiplash injuries in the event of a rear end collision.

### Child occupant

In the frontal impact, forward movement of the 3 year dummy, sat in a forward facing restraint, was not excessive. In the side impact, both dummies were properly contained within the protective shells of their restraints, minimising the likelihood of dangerous head contacts. The passenger airbag can be disabled only for Mercedes Benz child restraints if the car is equipped with an optional, automatic-detect system known as CPOD. The system does not meet Euro NCAP's requirements and was not rewarded. The dangers of using a rearward-facing child restraint in the passenger seat without first disabling the airbag are clearly explained in the car.

### Pedestrian

The bumper scored maximum points, providing good protection to pedestrians' legs in all areas tested. However, the front edge of the bonnet provided poor protection and scored no points. In most areas likely to be struck by the head of a child, the bonnet provided good protection but was predominantly poor in those areas where an adult's head might strike.

### Safety assist

Electronic stability control is standard equipment and met Euro NCAP's test requirements. A seatbelt reminder is standard for the driver, passenger and rear seats. A driver-set speed limitation device is available as an option but did not meet Euro NCAP's fitment requirements for assessment in 2011.