

# BMW 1 series

BMW 116, LHD

2011



91%

ADULT OCCUPANT



83%

CHILD OCCUPANT



63%

PEDESTRIAN



86%

SAFETY ASSIST

## ADULT OCCUPANT

Total 33 pts | 91%

### FRONTAL IMPACT

15,4 pts



Driver



Passenger

### SIDE IMPACT CAR

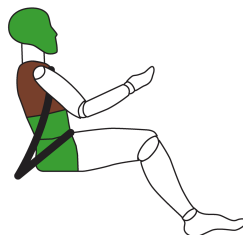
7,9 pts

### SIDE IMPACT POLE

6,5 pts



Car



Pole

### REAR IMPACT (WHIPLASH)

3 pts



	GOOD
	ADEQUATE
	MARGINAL
	WEAK
	POOR

### FRONTAL IMPACT

#### HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

#### CHEST

Passenger compartment	stable
Windscreen Pillar rearward	13mm
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 - 31mm
Upward pedal movement	clutch - 2mm

### 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	2,1 pts
- Medium severity	1,9 pts
- Low severity	2,3 pts

## CHILD OCCUPANT

Total 41 pts | 83%

## 18 MONTH OLD CHILD

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



PERFORMANCE **11,8 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  
**Group** 0+, 1  
**Facing** forward  
**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

## VEHICLE BASED ASSESSMENT

5 pts

## Airbag warning Label

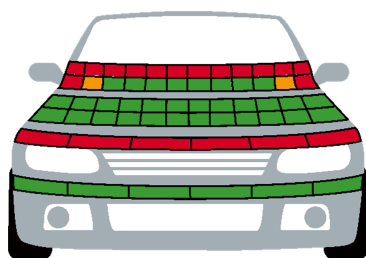
Text and pictogram label permanently attached to the passenger sun visor

## PEDESTRIAN

Total 23 pts | 63%

## SAFETY ASSIST

Total 6 pts | 86%



GOOD  
 MARGINAL  
 POOR

HEAD 16,6 pts  
 PELVIS 0 pts  
 LEG 6 pts

## SPEED LIMITATION ASSISTANCE

0 pts

Not assessed

## ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- DSC Pass  
 Yaw rate ratio (1.00s) 3,20 %  
 Yaw rate ratio (1.75s) 1,80 %  
 Lateral displacement (1.07s) 3,18 m

## SEATBELT REMINDER

3 pts

- driver Pass  
 - passenger Pass  
 - rear Pass

## DETAILS OF TESTED CAR

### SPECIFICATIONS

Tested model	BMW 116, LHD
Body type	5 door hatchback
Year of publication	2011
Kerb weight	1365kg
VIN from which rating applies	applies to all 1 Series of the specification tested

### SAFETY EQUIPMENT

Front seatbelt pretensioners	
Front seatbelt load limiters	
Driver frontal airbag	single stage
Front passenger frontal airbag	single stage
Side body airbags	
Side head airbags	
Electronic Stability Control	
Seatbelt Reminder	driver, passenger & rear

## COMMENTS

### Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings showed good protection of the knees and femurs of 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 seating positions. In the side barrier test, the car provided adequate protection for the chest and good protection for other body areas. In the more severe side pole test, dummy readings of rib compression indicated weak protection for the chest area. The front seats and head restraints provided marginal protection against whiplash injuries in the event of a rear-end collision.

### Child occupant

Based on dummy readings in the frontal and side impacts, the 1 Series scored maximum points for protection of the 3 year infant. Forward movement of that dummy in the frontal impact was not excessive and, in the side impact, both dummies were properly contained within the shells of their restraints, minimising the likelihood of dangerous head contacts. A switch is available as an option which allows the passenger airbag to be disabled, allowing a rearward facing restraint to be used in that seating position. Information provided to the driver about the status of the airbag does not meet Euro NCAP's requirements. The dangers of using a rearward facing seat in that position without disabling the airbag are clearly explained in a permanently-attached label.

### Pedestrian

In all areas likely to be struck by a child's head, the bonnet offered good protection and the car scored maximum points for this part of the assessment. For an adult's head, protection was predominantly poor, although some areas tested were good. The bumper offered good protection to pedestrians' legs in all areas, and scored maximum points. However, the front edge of the bonnet was poor and scored no points.

### Safety assist

Electronic stability control is standard equipment on the 1 series and met Euro NCAP's test requirements. A seatbelt reminder is provided for the driver, passenger and rear positions. A speed limitation device is available as an option but did not meet Euro NCAP's fitment requirements, so was not assessed.