

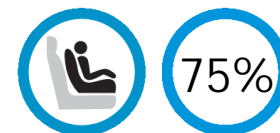
# Mercedes-Benz CLA-Class

Mercedes-Benz CLA 200 "Urban"

2013 ★★★★★



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

## ADULT OCCUPANT

Total 33 pts | 91%

### FRONTAL IMPACT

15,2 pts



Driver



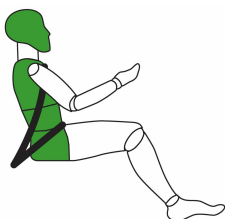
Passenger

### SIDE IMPACT CAR

8 pts

### SIDE IMPACT POLE

6,5 pts



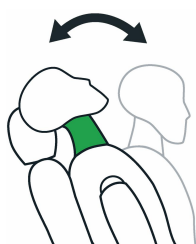
Car



Pole

### REAR IMPACT (WHIPLASH)

3,3 pts



### FRONTAL IMPACT

#### HEAD

|                          |        |
|--------------------------|--------|
| Driver airbag contact    | stable |
| Passenger airbag contact | stable |

#### CHEST

|                                   |        |
|-----------------------------------|--------|
| Passenger compartment             | stable |
| Windscreen Pillar rearward        | none   |
| 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 - 9.8mm |
| Upward pedal movement   | none          |

### SIDE IMPACT

|                         |     |
|-------------------------|-----|
| Head protection airbag  | Yes |
| Chest protection airbag | Yes |

### WHIPLASH

|                      |                                 |
|----------------------|---------------------------------|
| Seat description     | Standard (Artico), 6 way manual |
| Head restraint type  | Passive                         |
| Geometric assessment | 1 pts                           |

#### TESTS

|                   |         |
|-------------------|---------|
| - High severity   | 2,3 pts |
| - Medium severity | 2,4 pts |
| - Low severity    | 2,5 pts |

## CHILD OCCUPANT

Total 37 pts | 75%

### CRASH TEST PERFORMANCE

#### 18 MONTH OLD CHILD

**Restraint** Römer BabySafe Plus  
**Facing** rearward facing  
**Installation** Adult seatbelt



PERFORMANCE **12 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** Römer Duo Plus  
**Facing** forward facing  
**Installation** ISOFIX and TopTether



PERFORMANCE **9,8 pts**

#### FRONTAL IMPACT

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

#### SIDE IMPACT

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

### CHILD SAFETY FEATURES AND CRS INSTALLATION CHECK



Isifix

**Safety features score** **4 pts**  
**Installation check score** **11 pts**

*Pass* Install without problem  
*Partial Fail* Install with care  
*Fail* Safety critical problem  
*Exempt* Installation not allowed

|  | SEAT POSITION |        |         |        |        |         |        |       |
|--|---------------|--------|---------|--------|--------|---------|--------|-------|
|  | FRONT         |        | 2nd ROW |        |        | 3rd ROW |        |       |
|  | CENTER        | RIGHT  | LEFT    | CENTER | RIGHT  | LEFT    | CENTER | RIGHT |
| Maxi Cosi Cabriofix (Seatbelt)             | N/A           | Exempt | Pass    | Pass   | Pass   | N/A     | N/A    | N/A   |
| Römer King Plus (Seatbelt)                 | N/A           | Pass   | Pass    | Pass   | Pass   | N/A     | N/A    | N/A   |
| Römer Duo Plus (ISOFIX)                    | N/A           | Exempt | Pass    | Exempt | Pass   | N/A     | N/A    | N/A   |
| Römer KidFix (Seatbelt)                    | N/A           | Pass   | Pass    | Exempt | Pass   | N/A     | N/A    | N/A   |
| Maxi Cosi Cabriofix and EasyFix (Seatbelt) | N/A           | Exempt | Pass    | Exempt | Pass   | N/A     | N/A    | N/A   |
| Maxi Cosi Cabriofix and EasyFix (ISOFIX)   | N/A           | Exempt | Pass    | Exempt | Pass   | N/A     | N/A    | N/A   |
| BeSafe iZi Kid X3 ISOfix (ISOFIX)          | N/A           | Exempt | Pass    | Exempt | Pass   | N/A     | N/A    | N/A   |
| Maxi Cosi Pearl and Familyfix (ISOFIX)     | N/A           | Exempt | Pass    | Exempt | Pass   | N/A     | N/A    | N/A   |
| Römer KidFix (ISOFIX)                      | N/A           | Exempt | P Fail  | Exempt | P Fail | N/A     | N/A    | N/A   |
| Römer BabySafe (Seatbelt)                  | N/A           | Exempt | Pass    | Pass   | Pass   | N/A     | N/A    | N/A   |
| Römer Duo Plus (ISOFIX)                    | N/A           | Exempt | Pass    | Exempt | Pass   | N/A     | N/A    | N/A   |

**PEDESTRIAN**

Total 27 pts | 74%



- GOOD
- ADEQUATE
- MARGINAL
- WEAK
- POOR

|               |        |
|---------------|--------|
| <b>HEAD</b>   | 17 pts |
| <b>PELVIS</b> | 4 pts  |
| <b>LEG</b>    | 6 pts  |

**SAFETY ASSIST**

Total 7 pts | 81%

**SPEED ASSISTANCE SYSTEM** 1,3 pts

|                           |              |
|---------------------------|--------------|
| Standard                  |              |
| Speed Information         | NOT ASSESSED |
| Speed Assistance (Manual) | Pass         |

**ELECTRONIC STABILITY CONTROL (ESC)** 3 pts

|                              |         |
|------------------------------|---------|
| - ESP                        | Pass    |
| Yaw rate ratio (1.00s)       | 11,63 % |
| Yaw rate ratio (1.75s)       | 3,52 %  |
| Lateral displacement (1.07s) | 3,12 m  |

**SEATBELT REMINDER** 3 pts

|                        |      |
|------------------------|------|
| - driver and passenger | Pass |
| - rear                 | Pass |

## DETAILS OF TESTED CAR

### SPECIFICATIONS

|                                      |  |
|--------------------------------------|--|
| <b>Tested model</b>                  | Mercedes-Benz CLA 200 "Urban"                        |
| <b>Body type</b>                     | 4 door coupé   |
| <b>Year of publication</b>           | 2013   |
| <b>Kerb weight</b>                   | 1430kg   |
| <b>VIN from which rating applies</b> | applies to all CLA-Class of the specification tested |

### SAFETY EQUIPMENT

**Front seatbelt pretensioners** outboard seats

**Front seatbelt load limiters**

**Driver frontal airbag**

**Front passenger frontal airbag**

**Side body airbags**

**Side head airbags**

**Driver knee airbag**

**Speed Limitation Assistance**

**Electronic Stability Control**

**Seatbelt Reminder**

## COMMENTS

### Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy data indicated good protection of the knees and femurs of both the driver and the front seat passenger. Mercedes-Benz provided data which showed that a similar level of protection would be provided to occupants of different sizes and to those sat in different positions. The CLA scored maximum points in the side impact barrier test, showing good protection of all body regions. In the more severe side pole impact, dummy readings of rib compression showed that protection of the chest was marginal. The front seats and head restraints provided good protection against whiplash injury in the event of a rear-end collision.

### Child occupant

Based on dummy readings in the dynamic tests, the CLA scored maximum points for its protection of the 1½ year infant. Forward movement of the 3 year dummy, sat in a forward-facing restraint, was not excessive but deceleration of the chest showed that protection of that dummy's chest was fair. Mercedes-Benz's 'CPOD' system is available as an option. The system automatically deactivates the front passenger airbag to allow suitably equipped Mercedes-Benz child seats to be used rearward-facing in that seating position. The system does not work with other child restraints and was not rewarded by Euro NCAP. The dangers of using a rearward-facing restraint in that seating position without first disabling the airbag were clearly explained in the vehicle. Mercedes will update the manual for the CLA to make clear which categories of child restraints are suitable for which seating positions, and the score reflects this updated information. Earlier cars would have received the same star rating as the changes in the manual have only a small influence on the score.

### Pedestrian

The CLA is equipped with an active bonnet. Sensors detect when a pedestrian has been struck and automatically raise the bonnet to provide greater clearance to the hard structures beneath. Mercedes-Benz showed that the system triggered robustly over a range of speeds and for different statures of pedestrians, so the car was tested with the system deployed. As a result, protection of the head is good over most of the bonnet surface. The protection of pedestrians' legs by the bumper is also good. The front edge of the bonnet also provided predominantly good protection to the pelvis region.

### Safety assist

Electronic stability control is standard on the CLA, and met Euro NCAP's test requirements. A seatbelt reminder system covers the front and rear seats while a driver-set speed limitation met the test requirements for such devices.