

**TEST RESULTS**

# Opel / Vauxhall Astra

Opel Astra 1.6 'Enjoy', LHD

**2009** ★★★★★



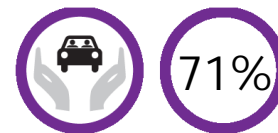
ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

## ADULT OCCUPANT

Total 34 pts | 95%

### FRONTAL IMPACT

15,1 pts



Driver



Passenger

### SIDE IMPACT CAR

8 pts

### SIDE IMPACT POLE

7,3 pts



Car



Pole

### REAR IMPACT (WHIPLASH)

3,7 pts



### FRONTAL IMPACT

#### HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

#### CHEST

Passenger compartment	stable
Windscreen Pillar rearward	2mm
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	none
Upward pedal movement	clutch - 3mm

### SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

### WHIPLASH

Seat description	Standard, cloth, 2 way manual adjust
Head restraint type	Reactive
Geometric assessment	1 pts

#### TESTS

- High severity	2,9 pts
- Medium severity	2,6 pts
- Low severity	2,8 pts

# TEST RESULTS

## CHILD OCCUPANT

Total 41 pts | 84%

### 18 MONTH OLD CHILD

**Restraint** Britax Römer Baby Safe  
**Group** 0, 0+  
**Facing** rearward  
**Installation** Adult seatbelt



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



**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

6 pts

### Airbag warning Label

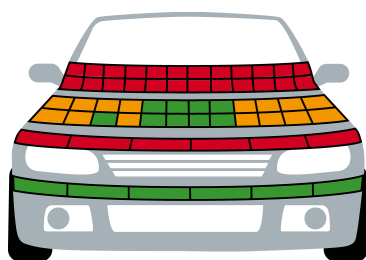
Text and pictogram warning label permanently attached to both sides of the passenger sun visor

## PEDESTRIAN

Total 16 pts | 46%

## SAFETY ASSIST

Total 5 pts | 71%



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

**HEAD** 10,4 pts  
**PELVIS** 0 pts  
**LEG** 6 pts

### SPEED LIMITATION ASSISTANCE 0 pts

- 0, not available

### ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- standard

### SEATBELT REMINDER 2 pts

- driver 1 pts  
 - passenger 1 pts

## DETAILS OF TESTED CAR

### SPECIFICATIONS

<b>Tested model</b>	Opel Astra 1.6 'Enjoy', LHD
<b>Body type</b>	5 door hatchback
<b>Year of publication</b>	2009
<b>Kerb weight</b>	1318kg
<b>VIN from which rating applies</b>	Applies to all Astras of the specification tested

### SAFETY EQUIPMENT

<b>Front seatbelt pretensioners</b>	dual pretensioners
<b>Front seatbelt load limiters</b>	
<b>Driver frontal airbag</b>	single stage
<b>Front passenger frontal airbag</b>	single stage
<b>Side body airbags</b>	
<b>Side head airbags</b>	

## COMMENTS

### Adult occupant

The passenger compartment remained stable in the frontal impact, the windscreen pillar moving rearward less than 2mm. Dual pretensioners restrained the dummies well and readings indicated that the knees and femurs of both the driver and passenger were well protected. Opel were able to show that occupants of different sizes, and those sat in different seating positions, would be similarly well protected. The Astra scored maximum points for its protection of the front passenger occupant in the frontal impact. Protection of the chest was adequate in the side barrier impact and marginal in the more severe side pole test, with good protection of all other body regions in both tests. Protection against whiplash injuries in rear impacts was rated as good.

### Child occupant

Based on dummy readings in the frontal and side impacts, the Astra scored maximum points for protection of the 3 year dummy. Forward movement of the head was well controlled. In the side barrier test, both dummies were properly contained by their restraints. The passenger airbag can be disabled to allow a rearward facing child restraint to be used in that seating position. However, information provided to the driver regarding the status of the airbag is not sufficiently clear. The dangers of using a rearward facing child seat in that position without first disabling the airbag are clearly explained in a label attached to the passenger's sun visor.

### Pedestrian

The car scored maximum points for the protection offered to pedestrians' legs by the bumper. However, the protection provided by the front edge of the bonnet was poor and scored no points in Euro NCAP's tests. In most areas likely to be struck by the head of a child, the bonnet offered marginal protection. In all areas likely to be struck by an adult's head, the bonnet provided poor protection.

### Safety assist

Electronic Stability Control (ESC) is standard equipment across the whole of the model range as is a seatbelt reminder system for the driver and front passenger seats.