

ANCAP Safety Rating

OPEL CORSA (From 2012)



Test Variant:	Opel Corsa 3 door EXP Enjoy LHD 1.2 litre
Variant Applicability*:	3 door hatch with 1.4 litre engine
Kerb Mass:	1080 kg
Vehicles Built:	2007
Engine:	1.4 litre petrol
Category:	Small Car

Note: The 1.2 litre left-hand-drive European 3 door hatch was tested by Euro NCAP. ANCAP was provided with information which showed that the rating applies to the Australian 3 door hatch with 1.4 litre engine.



Frontal offset test at 64 km/h (Source: Euro NCAP)

Airbags	ESC	Frontal Offset	Side Impact	Pole	Whiplash	Pedestrian	Seat Belt Reminders	Overall Score	ANCAP Safety Rating
Frontal + side + head	Standard	14.72 (out of 16)	16.00 (out of 16)	2 (out of 2)	ACCEPTABLE	ACCEPTABLE	1 (out of 3)	33.72 (out of 37)	★★★★★

The tested model of Opel Corsa was introduced in Australia during 2012. This rating applies to all 3 door hatch variants with 1.4 litre engine. The 5 door hatch is unrated.

Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. An intelligent seat belt reminder is fitted to the driver seat. Dual pretensioners are fitted to the front seat belts to reduce slack in the event of a crash.

OCCUPANT PROTECTION

Frontal Offset Test.

Each body region is scored out of 4 points

Head / neck:	3.00 points
Chest:	3.72 points
Upper legs:	4.00 points
Lower legs:	4.00 points

The passenger compartment held its shape well in the frontal offset test. There was a slight risk of serious head and chest injury for the driver. All passenger injury values were good. The clutch pedal moved rearwards by 16mm and downwards 21mm. All doors remained closed during the crash.

The airbag cushioned the head of the driver but it bottomed out and so a score deduction was applied. The passenger's head was cushioned by the airbag. There were no knee hazards.

Side Impact Test.

Each body region is scored out of 4 points

Head:	4.00 points
Chest:	4.00 points
Abdomen:	4.00 points
Pelvis:	4.00 points

Pole Test.

Scored out of 2 points

Vehicles are eligible for a pole test if fitted with head-protecting side airbags. The Opel Corsa was eligible and earned the maximum two points in this test.

Whiplash Protection Test.

Whiplash protection is assessed to the RCAR Protocol

Geometric test:	ACCEPTABLE
Dynamic test:	ACCEPTABLE

*Whiplash rating based on a passive head restraint tested in the UK. Australasian models have active head restraints and can be expected to provide improved protection.

Injury Outcomes.

Frontal Offset Driver



Passenger



Side Impact Driver



Whiplash



PEDESTRIAN PROTECTION

Pedestrian Test.

Scored out of 36 points

- Child head impacts: 8.63 points
- Adult head impacts: 5.13 points
- Upper leg impacts: 0.00 points
- Lower leg impacts: 4.98 points

The protection offered by the bonnet to the head of a child and the protection offered by the bumper to pedestrians' legs were predominantly marginal. The leading edge of the bonnet scored no points.



(Tested by Euro NCAP v4.1*)

*Based on tests to a previous protocol. Scores might vary under the latest test protocol.



Opel Corsa

SAFETY FEATURES

These specifications are subject to change. Please check with manufacturer for the latest specifications. For a description of these safety features and safety rating requirements see the ANCAP Road Map.

Safety Assist Technology (SAT)	Availability
Front airbag - driver	S
Front airbag - passenger	S
Side airbags (chest protection) - front seats	S
Side airbags (head protection) - front seats	S
Side airbags (head protection) - 2nd row seats	S
Knee airbag - driver	X
Three-point seat belts for all forward facing seats	S
Seat belt pretensioners (front / rear outboard)	S / X
Intelligent seat belt reminder - driver	S
Intelligent seat belt reminder - front passenger	X
Intelligent seat belt reminder - 2nd row seats	X
Head restraints for all seats	X
Antilock brakes (ABS)	S
Electron brake distribution (EBD)	S
Emergency brake assist (EBA)	S
Electronic stability control (ESC)	S
Adaptive cruise control (ACC)	X
Autonomous emergency braking (AEB)	X
Lane support system	X

S = Standard on all variants.

O = Optional on base variant. May be standard on higher variants.

V = Not available on base variant but standard or optional on higher variants.

X = Not available on any variant.

INJURY MEASUREMENTS

Body Region	Frontal offset test at 64 km/h (v5.1)		Side impact test at 50 km/h (v5.1)
	Driver	Passenger	Driver
Head			
HIC	359	322	76
Acceleration (g for 3ms)	48.2	46.8	35.2
Neck			
Shear (kN)	0.41	0.38	-
Tension (kN)	1.24	1.03	-
Extension (Nm)	12.0	20.2	-
Chest			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	23.98	20.57	15.75
Viscous criterion (m/s)	0.08	0.04	0.04
Abdomen			
Force (kN)	-	-	0.640
Pelvis			
Force (kN)	-	-	1.680
Upper legs			
Force left (kN)	0.18	0.37	
Force right (kN)	0.17	0.29	
Knee displacement left (mm)	0.21	1.19	
Knee displacement right (mm)	0.80	1.10	
Lower legs			
Force left (kN)	1.39	1.74	
Force right (kN)	1.60	0.56	
Index (upper / lower) left	0.36 / 0.22	0.28 / 0.17	
Index (upper / lower) right	0.38 / 0.19	0.24 / 0.32	

MODIFIERS

Deductions from frontal offset test scores

Head:	1 point deduction
Chest:	No deduction
Upper leg:	No deduction
Lower leg:	No deduction
Foot score:	Score 4 points

Deductions from side impact test scores

Chest:	No deduction
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* For information about the application of ANCAP ratings to model variants see the ANCAP Variant Policy. In brief, ratings do not automatically extend to variants that have different body styles, engine configurations, driven wheels or occupant restraint systems (e.g. fewer airbags). In these cases ANCAP considers technical evidence submitted by manufacturers before deciding on extending a rating to additional variants of a model.

^ Refer ANCAP Rating Road Map (www.ancap.com.au/media).

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