

ANCAP Safety Rating KIA CERATO (From June 2013)



Test Variant:	Kia Cerato S sedan
Variant Applicability*:	All sedan & 5 door hatch variants
Kerb Mass:	1200 kg
Vehicles Built:	2013
Engine:	1.8 Petrol
Category:	SMALL CAR



Frontal offset test at 64 km/h

Airbags	ESC	Frontal Offset	Side Impact	Pole	Whiplash	Pedestrian	Seat Belt Reminders	Overall Score	ANCAP Safety Rating
Frontal + Side + Head	Standard	14.51 (out of 16)	16.00 (out of 16)	2 (out of 2)	GOOD	ACCEPTABLE	3 (out of 3)	35.51 (out of 37)	★★★★★

The Kia Cerato was introduced in Australia and New Zealand in June 2013. This ANCAP safety rating applies to all variants. Dual frontal, side chest and side head airbags (curtains) are standard. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Advanced seat belt reminders are fitted to all seats.

In the offset crash test driver chest and leg protection was acceptable. Passenger leg protection was also acceptable. In the side impact crash test driver protection was good. Head protection in the side pole test was good.

OCCUPANT PROTECTION

Frontal Offset Test.

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	3.44 points
Upper legs:	4.00 points
Lower legs:	3.07 points

The passenger compartment held its shape well in the offset test. Pedal and steering wheel displacements were well controlled. Driver and passenger contact with the airbags was stable. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.

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

Good protection was provided for the driver in the side impact test. The side airbags performed well.

Pole Test.

Scored out of 2 points

The vehicle was eligible for a side pole test because it has side curtain airbags. The vehicle scored the maximum 2 points for head protection in this test.

Whiplash Protection Test.

Whiplash protection is assessed to the RCAR Protocol

Geometric test:	GOOD
Dynamic test:	GOOD

Injury Outcomes.

Injury Outcomes

Frontal Offset
Driver



Passenger



Side Impact & Pole
Driver



Whiplash



PEDESTRIAN PROTECTION

Pedestrian Test.

Acceptable - Scored 21.360 out of 36 points

Child head impacts:	8.95 points
Adult head impacts:	4.81 points
Upper leg impacts:	1.60 points
Lower leg impacts:	6.00 points

Some points have been gained in the central area of the bonnet and windscreen. The bumper performed well. Improvements could be made to the base of the windscreen and bonnet leading edge that would result in better performance for this vehicle.



Kia Cerato



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	S
Intelligent seat belt reminder - 2nd row seats	S
Head restraints for all seats	S
Antilock brakes (ABS)	S
Electronic 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
Emergency stop signal	S
Automatic headlights	V
Daytime running lights	V
Reversing collision avoidance system	V

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	322	341	60
Acceleration (g for 3ms)	41.30	45.20	25.20
Neck			
Shear (kN)	0.38	0.39	-
Tension (kN)	1.22	0.78	-
Extension (Nm)	13.20	10.80	-
Chest			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	25.92	18.00	18.10
Viscous criterion (m/s)	0.10	0.04	0.10
Abdomen			
Force (kN)	-	-	0.79
Pelvis			
Force (kN)	-	-	1.61
Upper legs			
Femur force left (kN)	0.44	0.35	
Femur force right (kN)	0.28	0.38	
Knee displacement left (mm)	2.97	0.24	
Knee displacement right (mm)	0.34	0.02	
Lower legs			
Force left (kN)	2.51	1.61	
Force right (kN)	1.32	1.94	
Index (upper / lower) left	0.40 / 0.61	0.54 / 0.42	
Index (upper / lower) right	0.36 / 0.33	0.42 / 0.26	

INTRUSION MEASUREMENTS

Steering Column

Forwards:	39mm
Downwards:	20mm
Sideways:	5mm

Pedals

Brake (rearwards):	37mm
Brake (upwards):	25mm
A-Pillar (rearwards):	10mm

SCORE DEDUCTIONS

Deductions from frontal offset test scores

No deductions for offset test

Note: Steering column and pedal movements are measured relative to the driver's seat.

Deductions from side impact test score

No deductions for side impact test.

Deductions from pole test score

No deductions for pole test.