

Crash Tests

New Car Safety

Daihatsu Sirion

02/2005 on 01/2006 - Dual Frontal

Overall Evaluation



Overall Score

28.55 out of 37

Variant: Sports 5 Dr Hatch

Engine: 1.3 Litre
Category: Light Car

The left-hand-drive European model with side airbags was tested by Euro NCAP. Australasian specifications may vary and therefore models sold in Australasia might provide different levels of protection to those described on this page.

Model History and Safety Features

The tested model of Daihatsu Sirion was introduced in Australia during 2005.

Dual front airbags are standard in Australia. ABS/EBD brakes, side airbags and head-protecting side curtains are available with an optional safety pack. The vehicle tested by Euro NCAP had side-thorax airbags but no curtain. Advanced seat belt reminders are fitted to both front seats in Europe and the above score includes two bonus points for this feature.

The front seat belt buckles are mounted on the seats and the upper anchorages are adjustable. These features improve the fit of the seat belt. Pre-tensioners are fitted to the front seat belts to reduce slack in the event of a crash. A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point seat belt.

Overall Evaluation: 4

The Daihatsu Sirion scored 10.55 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious leg injury was marginal for the driver and weak for the passenger. There was a slight risk of serious chest injury for the driver and passenger.

The vehicle scored 16 out of 16 in the side impact crash test. The European vehicle was not eligible for a pole test.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.94 pts, upper legs 1.25 pts, lower legs 2.36 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 62 mm and upwards 15 mm. The steering wheel hub moved forwards 11mm, downwards 10mm and sideways 1 mm. The front ("A") pillar moved 41 mm rearwards. All doors remained closed during the crash.

Airbags cushioned the head of the driver and passenger and each contact was stable. Steering column and dash components were a potential source of injury for the driver's knees. Dash and centre console components were a potential hazard to the passenger's knees.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 4 pts, pelvis 4 pts.

The Australian model with optional side curtains could be expected to also earn 16 points in this test.

The European vehicle was not eligible for a pole impact test since it did not have head-protecting side airbags. This test can earn eligible vehicles an extra two points.

Pedestrian rating (v4.1)



Child head impacts 7

Adult head impacts 5.74
Upper leg impacts Zero

Lower leg impacts 2.25

Offset crash test at 64km/hr



Injury Measurements

Refer to the information sheet 'How the tests are done'	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1) Driver
	Driver	Passn	
Head			
- HIC	549	364	84
- Acceleration (g for 3ms)	56	42.7	24.6
Neck			
- Shear (kN)	0.61	1	
- Tension (kN)	0.48	1.34	
- Extension (Nm)	33.3	18	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	29.4	22.76	21.58
- Viscous Criterion (m/s)	0.13	0.1	0.17
Abdomen			
- Force (kN)			0.54
Pelvis			
- Force (kN)			2.89
Upper Legs Force (kN)			
- Left	0.08	1.47	
- Right	2.22	0.07	
Knee Displacement (kN)			
- Left	0.08	7.69	
- Right	6.88	0.02	
Lower Legs Force (kN)			
- Left	1.61	1.33	
- Right	2.85	1.91	
Index (Upper Lower)			
- Left	0.42 0.77	0.43 0.25	
- Right	0.38 0.22	0.23 0.21	

Bonus points (maximum 5)

Pole Test: Zero points

Seat Belt Reminders: Fitted to both front seats - 2 points

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Variable % conc. loading
Lower leg	No deduction
Foot score	Score 4 points
Structure	No deduction

Modifiers for side impact test scores

Head	No deduction
Chest	No deduction
Upper leg	No deduction
Lower leg	No deduction
Foot score	No deduction
Structure	No deduction



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