

Crash Tests

New Car Safety

HOLDEN TIGRA (LHD)

2005 on Front+side airbags

Occupant Protection



Occupant Protection Score 26.42 out of 37

Variant: ROADSTER Eng: 1.4 litre
Kerb weight: 1160 kg Category: SPORTS
Vehicles built: 2004 Test by Euro NCAP

Important note: The *left-hand-drive* European model 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. The Australian model has a 1.8 litre engine.

Model History and Safety Features

The tested model of Tigra was introduced in Australia during 2005.

Dual front airbags, side airbags and ABS brakes are standard. Pre-tensioners are fitted to the front seat belts to reduce slack in the event of a crash.

OCCUPANT PROTECTION: 4.000 Stars

The Tigra scored 11.41 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious chest and leg injury was marginal for the driver and passenger.

The vehicle scored 15.01 out of 16 in the side impact crash test. There was a slight risk of serious chest injury for the driver.

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.61 pts, upper legs 2 pts, lower legs 2.81 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 42 mm and upwards 24 mm. The steering wheel hub moved forwards 13mm, upwards 45 mm and sideways 29mm. The front ("A") pillar moved 14 mm rearwards. All doors remained closed during the crash. After the crash both doors could be opened with normal effort.

The airbag cushioned the head of the driver and contact was stable. Steering column and fascia components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag. Fascia components were a hazard for the passenger's knees.

SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4 pts, chest 3.01 pts, abdomen 4 pts, pelvis 4 pts.

The 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.



Offset crash test at 64km/h

INJURY MEASUREMENTS

Refer to the information sheet "How the test are done"	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1)
	Driver	Passn	Driver
Head HIC	609	488	158
Acceleration (g for 3ms)	57.0	60.1	50.2
Neck - Shear (kN)	0.45	0.63	-
Tension (kN)	1.15	1.46	-
Extension (Nm)	11.5	12.4	-
Chest Accln (g for 3ms)	-	-	-
Compression (mm)	31.62	31.76	26.97
Viscous criterion (m/s)	0.13	0.11	0.04
Abdomen - Force (kN)	-	-	0.680
Pelvis - Force (kN)	-	-	2.150
Upper legs Force (kN)	Left 1.27 Right 1.57	0.59 1.38	
Knee displ (mm)	Left 0.71 Right 0.42	0.50 0.55	
Lower legs Force (kN)	Left 1.38 Right 3.79	1.99 2.26	
Index (Upper/Low)	Left 0.35 / 0.27 Right 0.63 / 0.24	0.36 / 0.24 .33 / .32	

Bonus points (maximum 5)

Pole Test: Not eligible Seat belt reminders: None

Modifiers - offset test scores

Head No deduction
Chest No deduction
Upper leg Variable & conc. loading for driver and passenger 2 pt deduction L & R
Lower leg No deduction
Foot score Score 4 points

Modifiers - side impact test scores

Chest No deduction

PEDESTRIAN PROTECTION RATING (v4.1)

Child head impacts	2.34	Upper leg impacts	4.46
Adult head impacts	3.25	Lower leg impacts	Zero
Total (out of 36)	10.05		



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