

Crash Test Results

New Car Safety

ALFA ROMEO MITO (LHD)

2009 on Front+side+head+knee airbags



Offset crash test at 64km/h



ANCAP Occupant Protection
Rated ★★★★★

Occupant Protection Score 36.10 out of 37

Variant: 3 door hatch Eng: 1.4 turbo
Kerb weight: 1160 kg Category: CAR - SMALL
Vehicles built: 2008 Tested 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.

Model History and Safety Features

The tested model of Alfa Romeo Mito was introduced in Australia during 2009.

Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brakeforce distribution (EBD) and electronic stability control (ESC) are also standard. Intelligent seat belt reminders are fitted all seats.

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. Pretensioners 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 (lap) seat belt.

OCCUPANT PROTECTION: 5 Stars

The Mito scored 15.32 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious chest and leg injury for the driver.

The vehicle scored 15.78 out of 16 in the side impact crash test and a further two points in the optional pole test.

FRONTAL OFFSET CRASH TEST (v4.2)

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.89 pts, upper legs 4 pts, lower legs 3.42 pts.

The passenger compartment held its shape well in the offset crash test. The accelerator pedal moved rearwards by 59 mm and upwards 5 mm. The steering wheel hub moved 11mm forward, 48mm downward and 4 mm sideways. The front ("A") pillar moved 4 mm rearwards. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.

The airbag cushioned the head of the driver and contact was stable. A knee airbag protection the driver's knees. The passenger's head was cushioned by the airbag.


SIDE IMPACT CRASH TEST (v4.2)

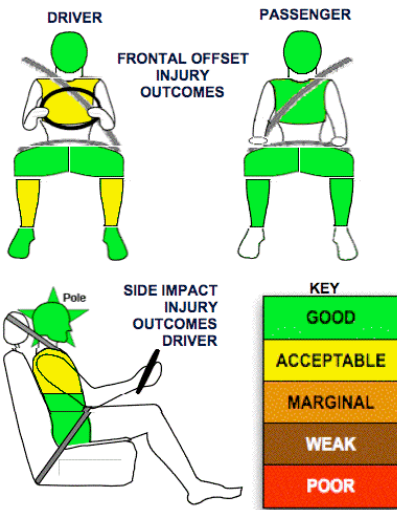
Body region scores out of 4 points each: Head 4 pts, chest 3.78 pts, abdomen 4 pts, pelvis 4 pts.

The vehicle was eligible for an optional pole impact test. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.

PEDESTRIAN PROTECTION: 2 Stars

The bumper scored maximum points for its protection of pedestrians' legs. However, protection offered by the bonnet to the head of a struck adult was predominantly poor.

PEDESTRIAN PROTECTION	Child head impacts	6.51
 ANCAP Rated ★★☆☆☆ Tested by Euro NCAP v4.2	Adult head impacts	1.48
	Upper leg impacts	3.58
	Lower leg impacts	6
	Total (out of 36)	17.57



GOOD
ADEQUATE
MARGINAL

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ANCAP

Crash testing for safety
AUSTRALASIAN
NEW CAR ASSESSMENT
PROGRAM

TECHNICAL DATA - ALFA ROMEO MITO - 2009 on

INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v4.2)		Side Impact Crash Test at 50km/h (v4.2)
	Driver	Passenger	Driver
Head HIC	378	229	50
Acceleration (g for 3ms)	46.6	39.4	22.1
Neck - Shear (kN)	0.67	0.30	-
Tension (kN)	1.21	0.76	-
Extension (Nm)	9.8	9.7	-
Chest Accln (g for 3ms)	-	-	-
Compression (mm)	22.74	15.17	18.55
Viscous criterion (m/s)	0.09	0.04	0.18
Abdomen - Force (kN)	-	-	0.590
Pelvis - Force (kN)	-	-	1.820
Upper legs Force (kN)			
Left	0.77	0.12	
Right	0.37	0.10	
Knee displ (mm)			
Left	0.70	0.70	
Right	0.40	0.50	
Lower legs Force (kN)			
Left	2.29	1.86	
Right	2.66	1.06	
Index (Upper/Low)			
Left	0.45 /0.30	0.29 /0.19	
Right	0.53 /0.24	0.38/0.23	

Bonus points (maximum 5)

Pole Test: 2 pts

Seat belt reminders: 3 (see table below for details)

Modifiers - deductions from offset test scores

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

Modifiers - deductions from side impact test scores

Chest Backplate load	0.22pt deduction
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Safety features

These specifications are subject to change. Please check with manufacturer for the latest specifications.



Driver airbag	S	Antilock (ABS) brakes / Electronic brake distribution / Brake Assist	S/S/S
Passenger front airbag	S	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	S#
Side airbags, front seats - chest protection	S	3 point centre rear seat belt	S
Side airbags, front seats - head protection	S	Active head restraints - front seats	S
Side airbags, rear seats - head protection	S	Intelligent seat belt reminder - driver	S
Driver knee airbag	S	Intelligent seat belt reminder - front passenger	S
Seat belt pretensioners (Front/Rear outboard)	S/X	Rear seat belt status indicator	S

Key:

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

ESC required by ANCAP for 5 star rating from 2008