

ANCAP Safety Rating: MAZDA 2 (November 2014 onwards)



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

This ANCAP safety rating applies to:

Make / Model	Mazda 2
Year Range	November 2014 onwards
Variant(s)*	All variants (hatch and sedan)
Vehicle Type	Small Car

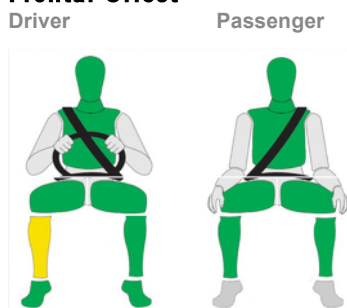
The tested model of Mazda2 was introduced in Australia and New Zealand in late 2014. This ANCAP safety rating applies to all variants of the hatch and sedan.

Dual frontal, side chest and side head airbags (curtains) are standard. Electronic Brake Distribution (EBD) and Emergency Brake Assist (EBA) are also standard. Autonomous emergency braking (AEB) is optional. Advanced seat belt reminders are fitted to all seats.

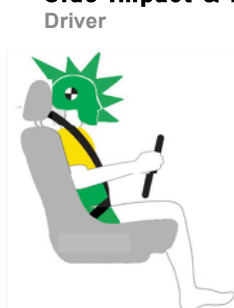
In the offset crash test driver leg protection was acceptable. In this test passenger protection was good. In the side impact crash test driver chest protection was acceptable. Head protection in the side pole test was good.

Injury Outcomes.

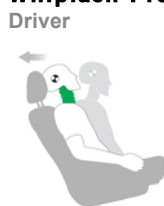
Frontal Offset



Side Impact & Pole*



Whiplash Protection



* Head protection only.

Test Results Summary.

Airbags	Dual Frontal, Side, Head
Frontal Offset Test	15.69 (out of 16)
Side Impact Test	15.66 (out of 16)
Pole Test	2 (out of 2)
Whiplash Protection	Good
Pedestrian Protection	Good
ESC	Standard
Seat Belt Reminders	3.0 (out of 3)
Overall Score	36.35 (out of 37)
ANCAP Safety Rating	★★★★★
Rating Year[^]	2015

Occupant Protection.

Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	4.00 points
Upper legs:	4.00 points
Lower legs:	3.69 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.

Side Impact Test

Each body region is scored out of 4 points

Head:	4.00 points
Chest:	3.66 points
Abdomen:	4.00 points
Pelvis:	4.00 points

Mostly good protection was provided for the driver in the side impact test. Chest protection was acceptable.

Pole Test

Scored out of 2 points

Score:	2.00 points
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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
Overall whiplash rating:	Good

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Pedestrian Protection.

Pedestrian Test

Scored out of 36 points

Adult & child head impacts: 18.48 points
Upper leg impacts: 5.83 points
Lower leg impacts: 6.00 points

This vehicle scored 30.31 out of 36 points (Good). The bumper provided good protection to pedestrian's legs in all areas tested and scored maximum points. Protection provided to the pelvis area was predominantly good. The surface of the bonnet provided mostly good protection to the head of a struck pedestrian, with poor results recorded only on the stiff windscreen pillars (Tested by Euro NCAP v8)



Score Deductions.

Deductions from frontal offset test scores

Head / neck:
Chest: No deductions
Upper legs:
Lower legs:

Deductions from side impact test score

Chest: No deductions.

Deductions from pole test score

Head: No deductions.

Safety Features & Technologies.

Descriptions of each of these safety features and safety assist technologies (SAT) and detail on fitting requirements for each star rating level can be found at ancap.com.au.

Safety Feature / Safety Assist Technology	Availability
Seat belts (three-point) for all forward-facing seats	S
Seat belt pretensioners (front)	S
Seat belt pretensioners (rear outboard)	X
Intelligent seat belt reminder (driver)	S
Intelligent seat belt reminder (front passenger)	S
Intelligent seat belt reminder (2 nd row seats)	S
Airbag - Front (driver)	S
Airbag - Front (passenger)	S
Airbag - Side, chest protection (front seats)	S
Airbag - Side, chest protection (2 nd row seats)	X
Airbag - Side, head protection (front seats)	S
Airbag - Side, head protection (2 nd row seats)	S
Airbag - Knee (driver)	X
Airbag - Knee (front passenger)	X
Head restraints for all seats	S
Adaptive cruise control (ACC)	X
Antilock braking system (ABS)	S
Automatic headlights	V
Autonomous emergency braking (AEB)	O
Daytime running lights (DRL)	V
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Emergency stop signal	S
Hill launch assist	S
Lane support system (LSS)	E
Reversing collision avoidance	O
Speed assist system (manual speed limiter/alarm)	E
Tyre pressure monitoring system (TPMS)	X

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

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.
E = Available in Europe / USA but not available on any Australasian variant.

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Injury Values & Measurements.

Body Region	Frontal offset test at 64 km/h (Euro NCAP v7)		Side impact test at 50 km/h (ANCAP v5.1)
	Driver	Passenger	Driver
Head			
HIC	121.00	78.00	46.00
Acceleration (g for 3ms)	37.90	30.90	20.90
Neck			
Shear (kN)	0.33	0.08	-
Tension (kN)	1.22	0.44	-
Extension (Nm)	14.50	17.60	-
Chest			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	19.38	17.25	23.70
Viscous criterion (m/s)	0.05	0.04	0.32
Abdomen			
Force (kN)	-	-	0.82
Pelvis			
Force (kN)	-	-	1.28
Upper legs			
Femur force left (kN)	0.88	0.89	
Femur force right (kN)	0.33	0.40	
Knee displacement left (mm)	1.18	0.00	
Knee displacement right (mm)	1.84	0.15	
Lower legs			
Force left (kN)	1.84	1.80	
Force right (kN)	1.93	1.33	
Index (upper / lower) left	0.33 / 0.28	0.26 / 0.16	
Index (upper / lower) right	0.39 / 0.47	0.21 / 0.12	
Intrusion Measurements*			
Steering column			
Forward (mm)	53		
Upward (mm)	13		
Sideways (mm)	3		
Pedals			
Brake - rearward (mm)	36		
Clutch - downward (mm)	3		
A-Pillar			
Rearward (mm)	6		

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

* ANCAP safety 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. For further information about the application of ANCAP safety ratings to model variants, see the ANCAP Variant Policy.

^ The Rating Year denotes the year requirements against which a vehicle has been assessed. The Rating Year is determined by ANCAP and may be based on the year in which a new vehicle model is first launched into the Australian and/or New Zealand markets; the year in which the vehicle was tested (if tested by Euro NCAP); or, for vehicles which hold an existing ANCAP safety rating, the year in which the rating was updated (or earlier applicable year).

Assessment Details.

Tested Make / Model	Mazda 2
Tested Vehicle(s) Built	2015
Tested Body Type	5 Dr Hatch
Tested Vehicle Kerb Weight	995 kg
Tested Vehicle Engine	1.3
Tested By	ANCAP & Euro NCAP
Assessed By	ANCAP
Document Reference	MAZDA2_14
Rating Published	September 2015
Document created/updated	28/8/2015

