

ANCAP Safety Rating: MINI COOPER HATCH (Apr 2014 onwards)



Frontal offset test at 64km/h

This ANCAP safety rating applies to:

Make / Model	Mini Cooper Hatch
Year Range	Apr 2014 onwards
Variant(s)*	3 door hatch
Vehicle Type	Small Car

The Mini Cooper was introduced in Australia and New Zealand in 2014. This ANCAP rating applies to the 3-door hatch.

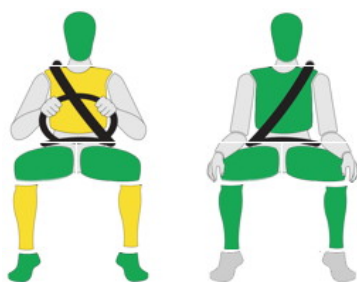
Dual frontal, side chest and side head airbags (curtains) are standard. Electronic Brake Distribution (EBD) and Emergency Brake Assist (EBA) are also standard. Autonomous Emergency Braking (AEB), reversing collision avoidance and tyre pressure monitoring are optional. Advanced seat belt reminders are fitted to all seats.

In the side impact crash test driver chest and abdomen protection was marginal. The overall score of 31.78 was insufficient for a 5-star ANCAP rating (32.5 required).

Injury Outcomes.

Frontal Offset

Driver Passenger



Side Impact & Pole*

Driver



Whiplash Protection

Driver



* Head protection only.

Test Results Summary.

Airbags	Dual Frontal, Side, Head
Frontal Offset Test	14.60 (out of 16)
Side Impact Test	12.19 (out of 16)
Pole Test	2 (out of 2)
Whiplash Protection	Good
Pedestrian Protection	Acceptable
ESC	Standard
Seat Belt Reminders	3.0 (out of 3)
Overall Score	31.78 (out of 37)
ANCAP Safety Rating	★★★★
Rating Year[^]	2014

Occupant Protection.

Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	3.31 points
Upper legs:	4.00 points
Lower legs:	3.29 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:	2.00 points
Abdomen:	2.35 points
Pelvis:	3.84 points

In the side impact test forces were transmitted to parts of the dummy which are not representative of a human body, reducing the load on the ribs. Accordingly the maximum penalty of 2 points was applied. This resulted in a chest rating of marginal. Loads on the abdomen also indicated marginal protection.

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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ANCAP
Safety ★★★★★



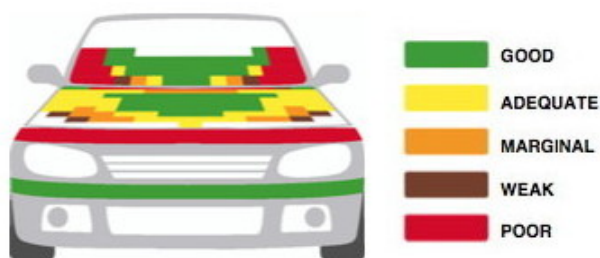
Pedestrian Protection.

Pedestrian Test

Scored 24.05 out of 36 points: **Acceptable**

Adult & child head impacts: 18.05 points
Upper leg impacts: 0.00 points
Lower leg impacts: 6.00 points

The bumper provided good protection to pedestrians' legs and scored maximum points. However, the front edge of the bonnet was poor at all test locations and scored no points. The active bonnet was tested in the deployed (raised) position and results were predominantly good or adequate. (Tested by Euro NCAP v7.0)



Score Deductions.

Deductions from frontal offset test scores

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

Deductions from side impact test score

Chest: Excessive T12 load: 2 point deduction .

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
Autonomous emergency braking (AEB)	O
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Lane support system (LSS)	X
Daytime running lights (DRL)	S
Hill launch assist	X
Reversing collision avoidance	O
Tyre pressure monitoring system (TPMS)	O

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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ANCAP
Safety ★★★★★



Injury Values & Measurements.

Body Region	Frontal offset test at 64 km/h (v6)		Side impact test at 50 km/h (v6)
	Driver	Passenger	Driver
Head			
HIC	280.00	368.00	87.00
Acceleration (g for 3ms)	40.40	50.80	30.10
Neck			
Shear (kN)	0.39	0.35	-
Tension (kN)	1.51	0.72	-
Extension (Nm)	8.10	7.90	-
Chest			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	26.85	20.35	15.32
Viscous criterion (m/s)	0.10	0.05	0.08
Abdomen			
Force (kN)	-	-	1.62
Pelvis			
Force (kN)	-	-	3.12
Upper legs			
Femur force left (kN)	0.57	0.30	
Femur force right (kN)	0.29	0.32	
Knee displacement left (mm)	1.05	0.29	
Knee displacement right (mm)	0.00	1.22	
Lower legs			
Force left (kN)	2.01	1.48	
Force right (kN)	1.98	1.27	
Index (upper / lower) left	0.44 / 0.47	0.32 / 0.22	
Index (upper / lower) right	0.56 / 0.46	0.28 / 0.18	
Intrusion Measurements*			
Steering column			
Forward (mm)	-61		
Upward (mm)	-8		
Sideways (mm)	8		
Pedals			
Brake - rearward (mm)	52		
Brake - upward (mm)	16		
A-Pillar			
Rearward (mm)	18		

* 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	Mini Cooper Hatch 1.5 RHD
Tested Vehicle(s) Built	2014
Tested Body Type	3 Dr Hatch
Tested Vehicle Kerb Weight	1090 kg
Tested Vehicle Engine	1.5
Tested By	Euro NCAP
Assessed By	ANCAP
Document Reference	MINI14
Rating Published	April 2015
Document created/revised	24/3/2015

