

Crash Tests

New Car Safety

Mini Cooper

03/2007 on 03/2014 - Frontal+Side+Head

Overall Evaluation



Overall Score

Variant: 3 Dr Hatch

32.51 out of 37

Engine: 1.6 litre

Category: Small Car

The right-hand-drive European Mini Cooper 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 Mini was introduced in Australia during 2007. This updated ANCAP rating applies to all variants of the Mini 3 door hatch, including the diesel version. It does not apply to the Clubman wagon or Convertible.

Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), with electronic brake distribution (EBD) are also standard. Electronic stability control (ESC) is optional. Intelligent seat belt reminders are fitted to both front 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. Pre-tensioners are fitted to the front seat belts to reduce slack in the event of a crash.

Overall Evaluation: 5

5 Stars. The Mini Cooper scored 13.02 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.

The vehicle scored 14.49 out of 16 in the side impact crash test. There was moderate risk of serious chest injury for the driver. A further 2 points were scored in the optional pole test and 3 points for seat belt reminders.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4pts, chest 3.6pts, upper legs 2pts, lower legs 3.42pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 92mm. The clutch pedal moved upwards 49mm. The steering wheel hub moved forwards 11mm, upwards 5mm and sideways 24mm. The front ("A") pillar moved 24mm rearwards. All doors remained closed during the crash. After the crash tools were required to fully open the driver's door.

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

Side Impact Crash Test

Body region scores out of 4 points each: Head 4pts, chest 2.49pts, abdomen 4pts, pelvis 4pts.

The vehicle was eligible for an optional pole impact test, since it had head-protecting side airbags and scored four points for the head in the side impact test. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.

Pedestrian rating (v4.1)



Child head impacts: 6.49.

Adult head impacts: 7.50.

Upper leg impacts: zero.

Lower leg impacts: zero.

Total (out of 36): 13.99

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 aa 50km/h (v4.1) Driver
	Driver	Passn	
Head			
- HIC	592	355	101
- Acceleration (g for 3ms)	57.9	48.3	34.7
Neck			
- Shear (kN)	0.42	0.41	
- Tension (kN)	1.47	1.03	
- Extension (Nm)	11.7	14.3	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	24.83	19.74	29.55
- Viscous Criterion (m/s)	0.11	0.07	0.29
Abdomen			
- Force (kN)			0.92
Pelvis			
- Force (kN)			1.78
Upper Legs Force (kN)			
- Left	2.35	0.44	
- Right	1.11	0.4	
Knee Displacement (kN)			
- Left	0.4	0	
- Right	1.1	0	
Lower Legs Force (kN)			
- Left	1.99	1.91	
- Right	2.08	2.54	
Index (Upper Lower)			
- Left	0.5 0.25	0.44 0.22	
- Right	0.53 0.22	0.45 0.21	

Bonus points (maximum 5)

Pole Test: 2 points

Seat Belt Reminders: Fitted to all seats - 3 points

Modifiers for offset test scores

Head	no deduction
Chest	no deduction
Upper leg	variable & Conc. loading , 2 pt deduction L & R, 2 pt deduction R
Lower leg	no deduction
Foot score	4 points
Structure	

Modifiers for side impact test scores

Head	
Chest	no deduction
Upper leg	
Lower leg	
Foot score	
Structure	



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