



ANCAP

Safety ★★★★★

Accept nothing less.

**ANCAP recommends
5 star rated vehicles.**

Did you know?



Be guided by the stars.

Since 1993, ANCAP has published crash test results for a wide range of passenger and light commercial vehicle makes, models and variants sold in Australia and New Zealand.

The more stars, the better the vehicle performed in ANCAP tests. To achieve a **maximum 5 star ANCAP safety rating**, a vehicle must achieve the highest standards in all test categories and feature advanced safety assist technologies.

Every 15 minutes someone in Australia and New Zealand is killed or seriously injured in a motor vehicle crash — 34,000 adults and children every year.

While road deaths nationally have been declining, about four people per day still die on the roads.

The cost to the community is estimated to be nearly AU\$70million a day.¹



¹ AU\$70M includes Australia and New Zealand costs; <http://www.infrastructure.gov.au/roads/safety>

What is ANCAP?

Australasia's leading independent vehicle safety advocate.

The Australasian New Car Assessment Program (ANCAP) provides consumers with independent and transparent assessments of the safety performance provided by different vehicle models through its star rating program.

ANCAP safety ratings are determined based on a series of internationally recognised crash tests and technology assessments, with vehicles awarded an ANCAP safety rating of between 1 to 5 stars indicating the level of safety they provide for occupants and pedestrians in the event of a crash as well as their ability, through technology, to avoid a crash. **ANCAP is committed to raising the bar on vehicle safety.**

ANCAP is supported by the Australian and New Zealand automobile clubs, Australian Federal, State and Territory governments, the New Zealand Government, the Victorian Transport Accident Commission, NRMA Insurance and the FIA Foundation (UK).

ANCAP Member Organisations.



Chery J1 (from 2011)
3 star ANCAP safety rating

Why do ANCAP safety ratings matter?

Because when it comes to survival, not all cars are equal.

Structural integrity.

How a vehicle's shell withstands and channels crash forces away from occupants – varies substantially from make to make and model to model. A sound structure is vital when it comes to saving lives.

Safety features.

Built-in safety features such as airbags, electronic stability control (ESC) and seat belt pre-tensioners help prevent or manage the forces of impact. All are critical features.

Safety assist technologies.

Advanced safety assist technologies (SAT) assist the driver in avoiding a crash. These include autonomous emergency braking (AEB), lane departure warning (LDW), blind spot monitoring (BSM) and fatigue monitoring systems (FMS).

You have **twice the chance** of being killed or seriously injured in a 3 star ANCAP safety rated car compared to a 5 star ANCAP safety rated car.²

Check the safety rating of your car at ancap.com.au or look for this ANCAP 'Stars on Cars' label at your local dealership.

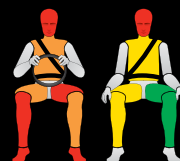
² Folksam analysis, 2010



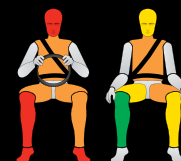
How will you survive?

Dummies provide vital information about the effects of a crash.

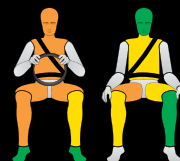
Head injuries, including brain trauma, are the major cause of death and serious injury in road crashes. The diagrams below show typical injuries to the driver and passenger in vehicles with ANCAP safety ratings from 1 to 5 stars, in the frontal offset crash test.



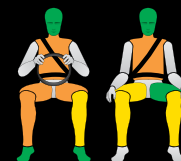
Safety ★★★★★



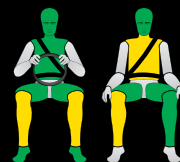
Safety ★★★★★



Safety ★★★★★



Safety ★★★★★

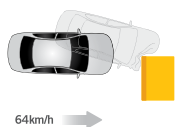


Safety ★★★★★

GOOD
ACCEPTABLE
MARGINAL
POOR

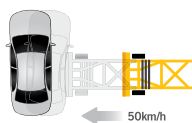
Safety testing explained.

ANCAP uses a range of internationally recognised crash tests, undertaken by independent specialist laboratories.



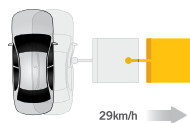
Frontal Offset Test

The frontal offset test simulates hitting another car of the same mass travelling at the same speed. 40% of the car, on the driver's side, makes contact with a crushable aluminium barrier at 64km/h. Dummies in the vehicle indicate the likely injuries resulting from the crash test.



Side Impact Test

The side impact test consists of running a 950kg trolley into the driver's side of the vehicle at 50km/h. The trolley has a crushable aluminium face to simulate the front of another vehicle.



Pole Test

In the pole test the car is propelled sideways at 29km/h into a rigid pole aligned with the driver's head. The pole is relatively narrow, resulting in major penetration into the side of the car. Curtain airbags are particularly effective in reducing the chance of serious head injury in this type of crash.



Whiplash Test

The whiplash test is conducted in two parts - a geometric measurement of the head restraint, and a dynamic test using the vehicle seat mounted to a test sled which simulates a rear-end crash equivalent to a stationary vehicle being hit at 32km/h.

How are ANCAP safety ratings calculated?

ANCAP safety ratings are determined based on a series of internationally recognised crash tests, with vehicles awarded an ANCAP safety rating of between 1 to 5 stars indicating the level of safety they provide in the event of a crash and their ability, through technology, to avoid a crash.

In order to achieve the top 5 star ANCAP safety rating, a vehicle must achieve minimum scores across all physical tests as well as meet minimum requirements for the inclusion of mandatory and additional safety equipment and safety assist technologies (SAT).

ANCAP recommends vehicles which have been awarded the maximum 5 star ANCAP safety rating.

Accept nothing less.

In all physical tests, dummies are used to scientifically measure the various forces on occupants in the crash. The data gathered is then assessed in conjunction with a physical assessment of the vehicle, and a score determined for each test.

In addition, vehicles must be fitted with certain safety features and safety assist technologies. These requirements are then assessed alongside the physical crash test scores with an overall score translated into an ANCAP safety (star) rating.

The higher the score and greater safety inclusions, the more stars.

How safe is your next vehicle?



To search individual crash test results for over 500 vehicles, learn more about safety technologies, explore interactive features, watch videos and to download images and media releases visit **ancap.com.au**

You can also contact us direct at **ancap@ancap.com.au** and follow regular updates at **twitter.com/ancapcrashtests**





ANCAP

Crash testing for safety

AUSTRALASIAN
NEW CAR ASSESSMENT
PROGRAM

As Australasia's leading independent vehicle safety advocate, ANCAP provides consumers with transparent vehicle safety information through its star rating program.

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[ancap.com.au](https://www.ancap.com.au)

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