

# ANCAP Safety Rating: AUDI Q7 (September 2015 - onwards)



Frontal offset test at 64km/h

## This ANCAP safety rating applies to:

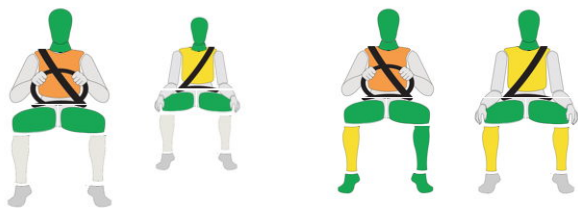
|                     |                                               |
|---------------------|-----------------------------------------------|
| <b>Make / Model</b> | Audi Q7                                       |
| <b>Year Range</b>   | September 2015 - onwards                      |
| <b>Variant(s)*</b>  | 3.0L Diesel variants with standard seats only |
| <b>Vehicle Type</b> | Large SUV                                     |

The tested model of Audi Q7 was introduced in Australia and New Zealand in September 2015. This ANCAP safety rating applies to 3.0 litre diesel variants with standard seats only. Optional seat upgrades including sports seats and individual contour seats have not been rated.

Dual frontal, side chest and side head airbags (curtains) are standard. Electronic Brake Distribution (EBD), Emergency Brake Assist (EBA), Autonomous Emergency Braking (AEB), and a manually set speed limiter are also standard. Advanced seat belt reminders are fitted to all seats.

## Injury Outcomes.

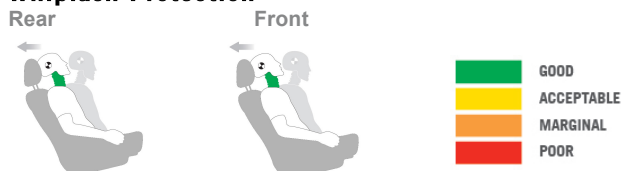
### Full Width Frontal Driver Rear Passenger Frontal Offset Driver Front Passenger



### Side Impact Driver Pole Driver



### Whiplash Protection



## Test Results Summary.

|                                        |                          |
|----------------------------------------|--------------------------|
| <b>Airbags</b>                         | Dual Frontal, Side, Head |
| <b>Adult Occupant Protection</b>       | 94% (36.1 out of 38)     |
| - Full Width Frontal Test <sup>#</sup> | 7.42 (out of 8)          |
| - Frontal Offset Test <sup>#</sup>     | 6.94 (out of 8)          |
| - Side Impact Test <sup>#</sup>        | 8.00 (out of 8)          |
| - Pole Test <sup>#</sup>               | 8.00 (out of 8)          |
| - Whiplash Protection Test             | 2.70 (out of 3)          |
| - AEB (City)                           | 3.00 (out of 3)          |
| <b>Child Occupant Protection</b>       | 88% (43.4 out of 49)     |
| <b>Safety Assist</b>                   | 76% (9.9 out of 13)      |
| - Speed Assistance System              | 1.33 (out of 3)          |
| - ESC                                  | 3.00 (out of 3)          |
| - Seat Belt Reminders                  | 3.00 (out of 3)          |
| - Lane Support System                  | 0.00 (out of 1)          |
| - AEB (Interurban)                     | 2.60 (out of 3)          |
| <b>Pedestrian Protection</b>           | 70% (25.4 out of 36)     |
| <b>ANCAP Safety Rating</b>             | ★★★★★                    |
| <b>Rating Year<sup>^</sup></b>         | 2015                     |

## Adult Occupant Protection.

### Full Width Frontal Test

Each body region is scored out of 4 points

| Driver                  | Rear Passenger          |
|-------------------------|-------------------------|
| Head: 4.00 points       | Head: 4.00 points       |
| Neck: 4.00 points       | Neck: 4.00 points       |
| Chest: 2.34 points      | Chest: 3.34 points      |
| Upper legs: 4.00 points | Upper legs: 4.00 points |

In the full width rigid barrier test, all critical body areas for the driver were well protected, except the chest (marginal protection). Chest protection for the rear passenger dummy was adequate.

### Frontal Offset Test

Each body region is scored out of 4 points

| Driver/Passenger         |
|--------------------------|
| Head / neck: 4.00 points |
| Chest: 2.13 points       |
| Upper legs: 4.00 points  |
| Lower legs: 3.74 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 Pole Test

Each body region is scored out of 4 points

| Side Impact Test     | Pole Test            |
|----------------------|----------------------|
| Head: 4.00 points    | Head: 4.00 points    |
| Chest: 4.00 points   | Chest: 4.00 points   |
| Abdomen: 4.00 points | Abdomen: 4.00 points |
| Pelvis: 4.00 points  | Pelvis: 4.00 points  |

Good protection was provided for the driver in the side impact test. The side airbags performed well.

### Whiplash Protection

|               |             |
|---------------|-------------|
| Front / Rear: | 1.70 points |
| Rear:         | 1.00 points |
| AEB (City):   | 3.00 points |

<sup>#</sup> Scaled scores. Total test score out of 16.00 points.

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**ANCAP**

Safety ★★★★★



## Child Occupant Protection.

### Crash Test Performance

18 month old child: 11.39 points  
3 year old child: 12.00 points

### Child Safety Features

Safety features: 8.00 points  
Installation check: 12.00 points

**NOTE:** The child restraints tested by Euro NCAP are relevant to the European market. For Australasian consumers, this information should be used as a guide to vehicle features only. For more detailed information about Australian child restraints visit [childcarseats.com.au](http://childcarseats.com.au).

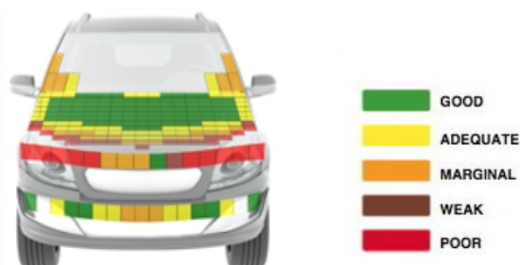
## Pedestrian Protection.

### Pedestrian Test

Scored out of 36 points

Adult & child head impacts: 18.85 points  
Upper leg impacts: 1.37 points  
Lower leg impacts: 5.17 points

This vehicle scored 25.38 out of 36 points (Acceptable). The Q7 has an 'active' bonnet. Good results were recorded in almost all areas tested. The bumper had some areas offering good protection to pedestrians' legs but also some adequate and marginal results were recorded. Protection of the pelvic region of a struck pedestrian was predominantly poor. (Tested by Euro NCAP v8)



## Score Deductions.

### Deductions from full width frontal test scores

Neck: No deductions  
Head: No deductions  
Chest: No deductions  
Upper legs: No 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: 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](http://ancap.com.au).

| Safety Feature / Safety Assist Technology                   | Availability |
|-------------------------------------------------------------|--------------|
| Seat belts (three-point) for all forward-facing seats       | <b>S</b>     |
| Seat belt pretensioners (front)                             | <b>S</b>     |
| Seat belt pretensioners (rear outboard)                     | <b>S</b>     |
| Intelligent seat belt reminder (driver)                     | <b>S</b>     |
| Intelligent seat belt reminder (front passenger)            | <b>S</b>     |
| Intelligent seat belt reminder (2 <sup>nd</sup> row seats)  | <b>S</b>     |
| Intelligent seat belt reminder (3 <sup>rd</sup> row seats)  | <b>S</b>     |
| Airbag - Front (driver)                                     | <b>S</b>     |
| Airbag - Front (passenger)                                  | <b>S</b>     |
| Airbag - Side, chest protection (front seats)               | <b>S</b>     |
| Airbag - Side, chest protection (2 <sup>nd</sup> row seats) | <b>S</b>     |
| Airbag - Side, head protection (front seats)                | <b>S</b>     |
| Airbag - Side, head protection (2 <sup>nd</sup> row seats)  | <b>S</b>     |
| Airbag - Side, head protection (3 <sup>rd</sup> row seats)  | <b>S</b>     |
| Airbag - Knee (driver)                                      | <b>X</b>     |
| Airbag - Knee (front passenger)                             | <b>X</b>     |
| Head restraints for all seats                               | <b>S</b>     |
| Adaptive cruise control (ACC)                               | <b>S</b>     |
| Autonomous emergency braking (AEB) - city                   | <b>S</b>     |
| AEB - Interurban                                            | <b>S</b>     |
| AEB - Vulnerable road user                                  | <b>S</b>     |
| Antilock braking system (ABS)                               | <b>S</b>     |
| Daytime running lights (DRL)                                | <b>S</b>     |
| Electronic brakeforce distribution (EBD)                    | <b>S</b>     |
| Electronic stability control (ESC)                          | <b>S</b>     |
| Emergency brake assist (EBA)                                | <b>S</b>     |
| Hill launch assist                                          | <b>S</b>     |
| Lane support system (LSS)                                   | <b>O</b>     |
| Reversing collision avoidance                               | <b>S</b>     |
| Speed assistance - automatic speed limiting (ISA)           | <b>X</b>     |
| Speed assistance - manual speed limiting                    | <b>S</b>     |
| Speed assistance - speed sign recognition & warning         | <b>E</b>     |
| Tyre pressure monitoring system (TPMS)                      | <b>S</b>     |

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 ★★★★★



## Safety Assist.

### Speed Assistance System (SAS)

Scored 1.3 out of 3 points

|                                       |                              |
|---------------------------------------|------------------------------|
| Speed information (sign recognition): | Not available in Australasia |
| Speed assistance (manual):            | Standard                     |
| Intelligent Speed Assistance          | Not available in Australasia |

### Electronic Stability Control (ESC)

Scored 3.0 out of 3 points

### AEB (Interurban)

Scored 2.6 out of 3 points

|                               |                |
|-------------------------------|----------------|
| Autonomous emergency braking: | 1.3 out of 1.5 |
| Forward collision warning:    | 0.8 out of 1.0 |
| Human machine interface:      | 0.5 out of 0.5 |

### Seat Belt Reminder (SBR)

Scored 3.0 out of 3 points

|                        |      |
|------------------------|------|
| Driver and passenger:  | Pass |
| Rear (2nd & 3rd rows): | Pass |

### Lane Support Systems (LSS)

Scored 0.0 out of 1 point

Not standard in Australasia

Approaching a stationary vehicle: 14.3 out of 18 for Forward Collision Warning (FCW)



Approaching a slow moving vehicle: 10.5 out of 11 for AEB, 9.7 out of 11 for FCW



Approaching a braking vehicle with short headway: 1.4 out of 2 for AEB, 1.4 out of 2 for FCW



Approaching a braking vehicle with long headway: 1.7 out of 2 for AEB, 1.7 out of 2 for FCW



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**ANCAP**

Safety ★★★★★



## Injury Values & Measurements.

| Body Region                   | Frontal offset test<br>at 64km/h<br>(v7.0.1) |                 | Full width frontal test<br>at 50km/h<br>(v1.0.1) |                | Side impact test<br>at 50km/h<br>(v7.0.1) | Pole test<br>at 32km/h<br>(v7.0.1) |
|-------------------------------|----------------------------------------------|-----------------|--------------------------------------------------|----------------|-------------------------------------------|------------------------------------|
|                               | Driver                                       | Front Passenger | Driver                                           | Rear Passenger | Driver                                    | Driver                             |
| <b>Head</b>                   |                                              |                 |                                                  |                |                                           |                                    |
| HIC                           | 76.00                                        | 130.00          | 163.00                                           | 242.00         | 21.00                                     | 440.00                             |
| Acceleration (g for 3ms)      | 31.60                                        | 40.40           | 43.40                                            | 50.50          | 18.50                                     | 64.17                              |
| <b>Neck</b>                   |                                              |                 |                                                  |                |                                           |                                    |
| Shear (kN)                    | 0.56                                         | 0.63            | 0.38                                             | 0.80           | -                                         | -                                  |
| Tension (kN)                  | 0.66                                         | 0.48            | 1.01                                             | 1.55           | -                                         | -                                  |
| Extension (Nm)                | 6.40                                         | 17.70           | 19.20                                            | 10.80          | -                                         | -                                  |
| <b>Chest</b>                  |                                              |                 |                                                  |                |                                           |                                    |
| Acceleration (g for 3ms)      | -                                            | -               | -                                                | -              | -                                         | -                                  |
| Compression (mm)              | 31.34                                        | 24.30           | 27.98                                            | 21.97          | 5.63                                      | 26.59                              |
| Viscous criterion (m/s)       | 0.11                                         | 0.24            | 0.16                                             | 0.08           | 0.02                                      | 0.18                               |
| <b>Abdomen</b>                |                                              |                 |                                                  |                |                                           |                                    |
| Compression (mm)              | -                                            | -               | -                                                | -              | 6.04                                      | 21.36                              |
| <b>Pelvis</b>                 |                                              |                 |                                                  |                |                                           |                                    |
| Force (kN)                    | -                                            | -               | -                                                | -              | 0.31                                      |                                    |
| <b>Upper legs</b>             |                                              |                 |                                                  |                |                                           |                                    |
| Femur force left (kN)         | 0.50                                         | 1.14            | 0.01                                             | 0.77           |                                           |                                    |
| Femur force right (kN)        | 0.07                                         | 0.28            | 0.13                                             | 0.15           |                                           |                                    |
| Knee displacement left (mm)   | 0.09                                         | 5.01            | 0.46                                             | 3.49           |                                           |                                    |
| Knee displacement right (mm)  | 0.00                                         | 0.00            | 1.77                                             | 1.99           |                                           |                                    |
| <b>Lower legs</b>             |                                              |                 |                                                  |                |                                           |                                    |
| Force left (kN)               | 1.69                                         | 2.22            | -                                                | -              |                                           |                                    |
| Force right (kN)              | 1.81                                         | 2.39            | -                                                | -              |                                           |                                    |
| Index (upper / lower) left    | 0.33 / 0.24                                  | 0.28 / 0.33     | -                                                | -              |                                           |                                    |
| Index (upper / lower) right   | 0.42 / 0.42                                  | 0.36 / 0.21     | -                                                | -              |                                           |                                    |
| <b>Intrusion Measurements</b> |                                              |                 |                                                  |                |                                           |                                    |
| <b>Steering column</b>        |                                              |                 |                                                  |                |                                           |                                    |
| Forward (mm)                  | 58                                           | -               | 34                                               | -              |                                           |                                    |
| Downward (mm)                 | 21                                           | -               | 3                                                | -              |                                           |                                    |
| Sideways (mm)                 | 3                                            | -               | 1                                                | -              |                                           |                                    |
| <b>Pedals</b>                 |                                              |                 |                                                  |                |                                           |                                    |
| Brake - forward (mm)          | 9                                            | -               | -                                                | -              |                                           |                                    |
| Accelerator - downward (mm)   | 13                                           | -               | -                                                | -              |                                           |                                    |
| <b>A-Pillar</b>               |                                              |                 |                                                  |                |                                           |                                    |
| Rearward (mm)                 | 3                                            | -               |                                                  | -              |                                           |                                    |

\* 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.

|                                   |                  |
|-----------------------------------|------------------|
| <b>Tested Make / Model</b>        | Audi Q7          |
| <b>Tested Vehicle(s) Built</b>    | 2015             |
| <b>Tested Body Type</b>           | Wagon            |
| <b>Tested Vehicle Kerb Weight</b> | 2000 kg          |
| <b>Tested Vehicle Engine</b>      | 3.0 litre TDI    |
| <b>Tested By</b>                  | Euro NCAP        |
| <b>Assessed By</b>                | Euro NCAP        |
| <b>Document Reference</b>         | Q7_15            |
| <b>Document Created / Revised</b> | 26 November 2015 |
| <b>Rating Published</b>           | December 2015    |
| <b>Rating Updated</b>             | N/A              |

