

# ANCAP Safety Rating VOLKSWAGEN ARTEON (August 2017 - onwards)



**ANCAP**

Safety ★★★★★



Volkswagen Arteon

## This ANCAP safety rating applies to:

Make / Model	Volkswagen Arteon
Year Range	August 2017 - onwards
Variant(s)*	All variants
Vehicle Type	Medium Car

The Volkswagen Arteon was introduced in New Zealand in August 2017 and Australia in October 2017. This ANCAP safety rating applies to all variants built from June 2017.

Dual frontal, side chest and side head-protecting (curtain) airbags and a driver knee airbag are standard. Autonomous emergency braking (AEB), lane support systems (LSS) and a manual-set speed limiter are also standard. A full list of safety features and technologies can be viewed within the *Safety Features & Technologies* table on page 2 of this report.

## Injury Outcomes.

### Full Width Frontal



### Frontal Offset



### Side Impact Driver



### Pole Driver



### Whiplash Protection



	GOOD
	ACCEPTABLE
	MARGINAL
	POOR

## Test Results Summary.

<b>Airbags</b>	Dual Frontal, Side, Head, Knee
<b>Adult Occupant Protection</b>	96% (36.76 out of 38)
- Full Width Frontal Test <sup>#</sup>	7.67 (out of 8)
- Frontal Offset Test <sup>#</sup>	7.87 (out of 8)
- Side Impact Test <sup>#</sup>	8.00 (out of 8)
- Pole Test <sup>#</sup>	7.87 (out of 8)
- Whiplash Protection Test	2.35 (out of 3)
- AEB (City)	3.00 (out of 3)
<b>Child Occupant Protection</b>	85% (42.05 out of 49)
<b>Safety Assist</b>	74% (8.90 out of 12)
- Speed Assistance System	1.50 (out of 3)
- Seat Belt Reminders	2.00+ (out of 3)
- Lane Support System	2.70 (out of 3)
- AEB (Interurban)	2.70 (out of 3)
<b>Pedestrian Protection</b>	85% (36.10 out of 42)
<b>ANCAP Safety Rating</b>	★★★★★
<b>Rating Year<sup>^</sup></b>	2017

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

## 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: 4.00 points	Chest: 2.68 points
Upper legs: 4.00 points	Upper legs: 4.00 points

In the full width frontal test, protection was 'Acceptable' for the chest of the rear passenger but was 'Good' for all other critical body areas of the driver and rear passenger.

### Frontal Offset Test

Each body region is scored out of 4 points

Driver / Front Passenger (lesser of each)
Head / neck: 4.00 points
Chest: 4.00 points
Upper legs: 4.00 points
Lower legs: 3.73 points

The passenger compartment remained stable in the frontal offset test. Protection offered to the lower legs was 'Acceptable', while all other critical body areas was 'Good'.

### Side Impact Test

### Pole Test

Each body region is scored out of 4 points

Head: 4.00 points	Head: 4.00 points
Chest: 4.00 points	Chest: 3.74 points
Abdomen: 4.00 points	Abdomen: 4.00 points
Pelvis: 4.00 points	Pelvis: 4.00 points

In the side impact test, 'Good' protection was provided to all critical body areas. In the more severe pole test, driver chest protection was 'Acceptable' while protection offered to all other critical body areas was 'Good'.

### Whiplash Protection

Front / Rear: 1.60 points
Rear: 0.75 points
AEB (City): 3.00 points

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### Child Occupant Protection.

#### Crash Test Performance

6 year old child: 11.31 points  
10 year old child: 11.74 points

In the frontal offset test, protection of the 10 year dummy was 'Good' or 'Marginal'. For the 6 year dummy, protection of the chest was 'Marginal', while protection of other critical areas was 'Good' or 'Adequate'. In the side impact test, protection of both dummies was 'Good'.

#### Child Safety Features & Child Seat Installation

Safety features: 7.00 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).

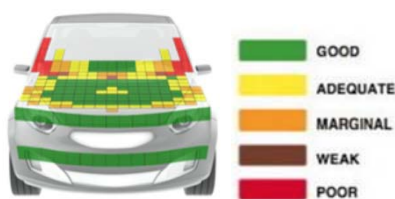
### Pedestrian Protection.

#### Pedestrian Test

Scored out of 42 points

Adult & child head impacts: 18.96 points  
Upper leg impacts: 6.00 points  
Lower leg impacts: 6.00 points  
AEB (VRU): 5.14 points

This vehicle scored 36.10 out of 42 points. The Arteon has an 'active' bonnet. Sensors in the bumper detect when a pedestrian has been struck and actuators lift the bonnet, providing greater clearance to hard structures in the engine compartment. Protection was 'Good' or 'Adequate' over almost the entire surface of the bonnet. The bumper provided 'Good' protection to the legs of struck pedestrians and the pelvis area. The autonomous emergency braking (AEB) system can detect pedestrians and performed well in testing. (Tested by Euro NCAP v8.3)



### Score Deductions.

#### Deductions from full width frontal test scores

Head: No deductions  
Neck: No deductions  
Chest: No deductions  
Upper legs: No deductions  
Overall: No deductions

#### Deductions from frontal offset test scores

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

#### Deductions from side impact test score

Overall: No deductions

#### Deductions from pole test score

Overall: 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, lap / sash) for all forward-facing seats	S
Seat belt pretensioners (front)	S
Seat belt pretensioners (rear outboard)	S
Intelligent seat belt reminder (driver)	S
Intelligent seat belt reminder (front passenger)	S
Intelligent seat belt reminder (2 <sup>nd</sup> row seats)	X+
Airbag - Frontal (driver)	S
Airbag - Frontal (passenger)	S
Airbag - Side, chest protection (front seats)	S
Airbag - Side, chest protection (2 <sup>nd</sup> row seats)	S
Airbag - Side, head protection (front seats)	S
Airbag - Side, head protection (2 <sup>nd</sup> row seats)	S
Airbag - Knee (driver)	S
Airbag - Knee (front passenger)	X
Head restraints for all seats	S
Adaptive cruise control (ACC)	S
Antilock braking system (ABS)	S
Autonomous emergency braking (AEB)	
- City	S
- Interurban	S
- Vulnerable road user	S
Automatic headlights	S
Automatic high beam	S
Attention Assist	S
Blind spot monitoring (BSM)	S
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	S
Emergency stop signal (ESS)	S
Emergency brake assist (EBA)	S
Forward collision warning (FCW)	S
Lane departure warning (LDW)	S
Lane keep assist (LKA)	S
Daytime running lights (DRL)	S
Hill launch assist	S
Reversing collision avoidance	S
Speed assistance - automatic / intelligent speed limiting (ISA)	E
Speed assistance - manual speed limiting	S
Speed assistance - speed sign recognition & warning	E
Tyre pressure monitoring system (TPMS)	S

**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 but not available on any Australasian variant.

**+** = Rear seat belt reminders are standard (**S**) on vehicles built from November 2017. Previously, this feature was not available (**X**).

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

**Safety Assist.**

**Speed Assistance System (SAS)**

Scored 1.50 out of 3 points

Speed information:	0.00
Speed assistance (manual):	1.50
Speed assistance (automatic / intelligent):	0.00

**AEB (Interurban)**

Scored 2.70 out of 3 points

Autonomous emergency braking (AEB):	1.42 out of 1.5
Forward collision warning (FCW):	0.91 out of 1.0
Human machine interface (HMI):	0.38 out of 0.5

**Seat Belt Reminder (SBR)**

Scored 2.00 out of 3 points

Driver and passenger:	2.00 out of 2.0
Rear:	0.00+ out of 1.0

**Lane Support Systems (LSS)**

Scored 2.70 out of 3 points

Type:	Lane keep assist (LKA)
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The standard-fit autonomous emergency braking (AEB) system is capable of operating at highway speeds and performed well in testing. A lane keep assist system (LKA) with lane departure warning (LDW), as well as a manual speed limiter are also standard.

An intelligent seatbelt reminder is fitted to both front seats. Arteons built from November 2017 are fitted with rear seat belt reminders as standard, which improves the total *Safety Assist* score to 82% (9.90 points out of 12). Vehicles built prior to this date are not fitted with rear seat belt reminders.

**Approaching a stationary vehicle:**

13.68 out of 18.00 points for Forward Collision Warning (FCW)



**Approaching a slow moving vehicle:**

11.00 out of 11.00 points for Autonomous Emergency Braking (AEB)



**Approaching a braking vehicle with short headway:**

1.56 out of 2.00 points for AEB, 1.82 out of 2.00 points for FCW



**Approaching a braking vehicle with long headway:**

2.00 out of 2.00 points for AEB, 2.00 out of 2.00 points for FCW



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### Injury Values & Measurements.

Body Region	Frontal offset test at 64km/h (v7.1)		Full width frontal test at 50km/h (v1.0)		Side impact test at 50km/h (v7.1)	Oblique pole test at 32km/h (v7.0)
	Driver	Front Passenger	Driver	Rear Passenger	Driver	Driver
<b>Head</b>						
HIC	210	145	285	272	34	269
Acceleration (g for 3ms)	47.80	40.90	55.16	51.49	22.80	52.99
<b>Neck</b>						
Shear (kN)	0.65	0.40	0.35	0.75	-	-
Tension (kN)	1.60	0.49	0.99	1.50	-	-
Extension (Nm)	8.20	14.70	13.20	12.90	-	-
<b>Chest</b>						
Acceleration (g for 3ms)	-	-	-	-	-	-
Compression (mm)	20.76	18.11	14.01	25.90	21.36	29.42
Viscous criterion (m/s)	0.09	0.04	0.04	0.08	0.12	0.15
<b>Abdomen</b>						
Compression (mm)	-	-	-	-	21.30	33.22
<b>Pelvis</b>						
Force (kN)	-	-	-	-	0.96	-
<b>Upper legs</b>						
Femur force left (kN)	0.21	0.18	0.42	0.23	-	-
Femur force right (kN)	0.61	0.17	0.19	0.69	-	-
Knee displacement left (mm)	0.27	0.63	0.21	0.26	-	-
Knee displacement right (mm)	0.41	0.10	0.03	0.13	-	-
<b>Lower legs</b>						
Force left (kN)	2.08	1.87	-	-	-	-
Force right (kN)	1.78	1.60	-	-	-	-
Index (upper / lower) left	0.28 / 0.25	0.46 / 0.13	-	-	-	-
Index (upper / lower) right	0.24 / 0.40	0.43 / 0.22	-	-	-	-
<b>Intrusion Measurements</b>						
<b>Steering column</b>						
Forward (mm)	66	-	-	-	-	-
Upward (mm)	-25	-	-	-	-	-
Sideways (mm)	4	-	-	-	-	-
<b>Pedals</b>						
Accelerator - rearward (mm)	45	-	-	-	-	-
Accelerator - upward (mm)	15	-	-	-	-	-
<b>A-Pillar</b>						
Rearward (mm)	0	-	-	-	-	-

\* **Model Variants:** 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.

^ **Rating Year:** 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	VW Arteon Elegance FWD
Tested Vehicle(s) Built	2017
Tested Body Type	5 door hatchback
Tested Vehicle Kerb Weight	1625 kg
Tested Vehicle Engine	2.0 litre diesel
Tested By	Euro NCAP
Assessed By	Euro NCAP
Document Reference	Arteon_17
Document Created / Revised	21 December 2017
Rating Published	December 2017
Rating Updated	n/a



Frontal offset test at 64km/h