

ANCAP Safety Rating

VOLKSWAGEN TIGUAN

(September 2016 – December 2022)



Volkswagen Tiguan

This ANCAP safety rating applies to:

Make / Model	Volkswagen Tiguan
Year Range	September 2016 – December 2022
Variant(s)*	All variants including Allspace
Vehicle Type	Medium SUV

The Volkswagen Tiguan was introduced in Australia and New Zealand in September 2016. This ANCAP safety rating applies to all Tiguan variants including the Tiguan Allspace variants which were introduced into New Zealand in February 2018 and Australia in July 2018.

Dual frontal, side chest and side head airbags (curtains) and a driver knee airbag are standard. Autonomous emergency braking (City, Interurban) are standard on all variants, as well as lane departure warning (LDW). Tiguan models built from June 2017 are fitted with an updated AEB system which can detect vulnerable road users. 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

Driver Rear Passenger Driver Front Passenger



Side Impact

Driver



Pole

Driver



Whiplash Protection

Rear Front



Test Results Summary.

Airbags	Dual Frontal, Side, Head, Knee
Adult Occupant Protection	96% (36.60 out of 38)
- Full Width Frontal Test	7.53 (out of 8)
- Frontal Offset Test	7.82 (out of 8)
- Side Impact Test [#]	8.00 (out of 8)
- Pole Test [#]	8.00 (out of 8)
- Whiplash Protection Test	2.36 (out of 3)
- AEB (City)	2.89 (out of 3)
Child Occupant Protection	80% (39.46 out of 49)
Safety Assist	68% (8.19 out of 12)
- Speed Assistance System	0.00 (out of 3)
- Seat Belt Reminders	3.00 (out of 3)
- Lane Support System	2.50 (out of 3)
- AEB (Interurban)	2.69 (out of 3)
Pedestrian Protection	68% (28.95 out of 42)
ANCAP Safety Rating	★★★★★
Rating Year[^]	2016

[#] 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:	3.59 points
Chest:	4.00 points	Chest:	2.53 points
Upper legs:	4.00 points	Upper legs:	4.00 points

Rear passenger chest protection was marginal and neck protection was acceptable. Good protection was provided to all other critical body regions.

Frontal Offset Test

Each body region is scored out of 4 points

Driver		Passenger	
Head / neck:	4.00 points	Head / neck:	4.00 points
Chest:	3.97 points	Chest:	3.63 points
Upper legs:	4.00 points	Upper legs:	4.00 points
Lower legs:	4.00 points	Lower legs:	4.00 points

Good protection was provided to all critical body regions except the chest of both the driver and passenger which was acceptable.

Side Impact Test

Each body region is scored out of 4 points

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 and side pole tests.

Whiplash Protection

Front:	1.67 points
Rear:	0.69 points
AEB (City):	2.89 points

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Child Occupant Protection.

Crash Test Performance

6 year old child:	11.27 points
10 year old child:	11.52 points

Child Safety Features & Child Seat Installation

Safety features:	6.00 points
Installation check:	10.67 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.

Pedestrian Protection.

Pedestrian Test

Scored out of 42 points

Adult & child head impacts:	17.69 points
Upper leg impacts:	0.80 points
Lower leg impacts:	6.00 points
AEB (VRU):	4.46 points

The Tiguan Allspace does not have an 'active' bonnet while all other variants of the Tiguan have this feature fitted as standard. The system was tested without the active bonnet. Results were 'Good' or 'Acceptable' in most test areas. The bumper showed good results at all test locations and scored maximum points for its protection of pedestrians' legs. However, the pelvis area was not well protected with 'Poor' results at almost all test locations.

Vehicles built from June 2017 are fitted with an autonomous emergency braking system able to detect vulnerable road users (AEB VRU) such as pedestrians. Tests of this system showed good performance of this functionality. Vehicles built before June 2017 without this feature earn a pedestrian protection score of 62% which maintains this 5 star rating.



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

Head / neck:	No deductions
Chest:	No deductions
Abdomen:	No deductions
Pelvis:	No deductions

Deductions from pole test score

Head:	No deductions
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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, lap/sash) for all forward-facing seats	S
Seat belt pretensioners (front)	S
Seat belt pretensioners (second row outboard)	S
Intelligent seat belt reminder (driver)	S
Intelligent seat belt reminder (front passenger)	S
Intelligent seat belt reminder (2 nd row seats)	S
Intelligent seat belt reminder (3 rd row seats)	S*
Airbag - Frontal (driver)	S
Airbag - Frontal (passenger)	S
Airbag - Side, chest protection (front seats)	S
Airbag - Side, chest protection (2 nd row seats)	X ¹
Airbag - Side, chest protection (3 rd row seats)	X
Airbag - Side, head protection (front seats)	S
Airbag - Side, head protection (2 nd row seats)	S
Airbag - Side, head protection (3 rd row seats)	S*
Airbag - Knee (driver)	S
Airbag - Knee (front passenger)	X
Head restraints for all seats	S
Adaptive cruise control (ACC)	V
Adaptive front lighting systems	V
Antilock braking system (ABS)	S
Autonomous emergency braking (AEB)	
- City	S
- Interurban	S
- Vulnerable road user	S [#]
Automatic headlights	S
Automatic high beam	O ² (AUS) / V (NZ)
Blind spot monitoring (BSM)	V ² (AUS) / S (NZ)
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Fatigue detection	S
Following distance warning	S
Hill launch assist	S
Lane departure warning (LDW)	S
Lane keep assist (LKA)	V ² (AUS) / S (NZ)
Reversing collision avoidance	S
Secondary collision brake assist	S
Speed assistance - intelligent speed limiting	X
Speed assistance - manual speed limiting/alarm	S
Speed assistance - speed sign recognition/map	X
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.

^{*} = Standard on Allspace variants only.

[#] = Standard on Tiguan models built from June 2017. Not available on models built prior to this date.

¹ = Available in New Zealand on higher variants built from December 2020.

² = Standard on all variants built from December 2020.

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

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Safety Assist.

Speed Assistance System (SAS)

Scored 0.0 out of 3 points

Speed information:	Not available
Speed assistance (manual):	[NOT TESTED]
Speed assistance (automatic / intelligent):	Not available

AEB (Interurban)

Scored 2.69 out of 3 points

Autonomous emergency braking (AEB):	1.44 out of 1.5
Forward collision warning (FCW):	0.88 out of 1.0
Human machine interface (HMI):	0.38 out of 0.5

Seat Belt Reminder (SBR)

Scored 3.0 out of 3 points

Driver and passenger:	Pass
Rear:	Pass

Lane Support Systems (LSS)

Scored 2.5 out of 3 points

Lane Keep Assist (LKA)	1.00 out of 1.00
Lane Departure Warning (LDW)	1.50 out of 1.50
Human machine interface (HMI):	0.00 out of 0.50

The VW Tiguan is fitted with a lane assistance system that helps to correct the deviation when the car is drifting out of its lane with tests showing 'Good' performance. Tests of the autonomous emergency braking system at highway speeds (AEB Interurban) showed good performance. Seat belt reminders are fitted to all seats, including the third row in Allspace variants. Australasian models have a manual speed limiter fitted as standard. The system has not been tested and therefore no points were scored.

Approaching a stationary vehicle:

12.30 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) and FCW



Approaching a braking vehicle with short headway:

1.67 out of 2.00 points for AEB, 1.78 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)		Full width frontal test at 50km/h (v1)		Side impact test at 50km/h (v7)	Oblique pole test at 32km/h (v7)
	Driver	Front Passenger	Driver	Rear Passenger	Driver	Driver
Head						
HIC	113.00	119.00	458.00	456.00	35.00	331.00
Acceleration (g for 3ms)	36.30	38.40	70.10	66.70	23.10	57.64
Neck						
Shear (kN)	0.34	0.35	0.25	1.18	-	-
Tension (kN)	1.09	0.76	1.07	2.08	-	-
Extension (Nm)	11.30	12.60	20.10	11.60	-	-
Chest						
Acceleration (g for 3ms)	-	-	-	-	-	-
Compression (mm)	22.14	23.84	17.27	26.80	13.37	25.52
Viscous criterion (m/s)	0.06	0.09	0.12	0.33	0.10	0.24
Abdomen						
Compression (mm)	-	-	-	-	6.83	26.40
Pelvis						
Force (kN)	-	-	-	-	0.55	-
Upper legs						
Femur force left (kN)	1.20	0.09	1.06	0.25	-	-
Femur force right (kN)	0.65	0.23	1.05	0.16	-	-
Knee displacement left (mm)	1.93	1.50	1.74	0.53	-	-
Knee displacement right (mm)	1.98	0.05	2.45	2.18	-	-
Lower legs						
Force left (kN)	1.42	0.82	-	-	-	-
Force right (kN)	0.95	0.77	-	-	-	-
Index (upper / lower) left	0.32 / 0.17	0.21 / 0.17	-	-	-	-
Index (upper / lower) right	0.25 / 0.40	0.26 / 0.19	-	-	-	-
Intrusion Measurements						
Steering column						
Forward (mm)	24	-	-	-	-	-
Upward (mm)	0	-	-	-	-	-
Sideways (mm)	2	-	-	-	-	-
Pedals						
Clutch - rearward (mm)	45	-	-	-	-	-
Clutch - upward (mm)	38	-	-	-	-	-
A-Pillar						
Rearward (mm)	0.00	-	-	-	-	-

* **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 Tiguan 110 TDI LHD
Tested Vehicle(s) Built	2016
Tested Body Type	Wagon
Tested Vehicle Kerb Weight	1530 kg
Tested Vehicle Engine	2.0 litre diesel
Tested By	Euro NCAP
Assessed By	Euro NCAP
Document Reference	TIGUAN16
Document Created / Revised	6 June 2018
Rating Published	October 2016
Rating Updated	July 2018 / August 2021



Frontal offset test at 64km/h