

ANCAP Safety Rating

HOLDEN COLORADO (July 2016 - onwards)



Holden Colorado

This ANCAP safety rating applies to:

Make / Model	Holden Colorado
Year Range	July 2016 - onwards
Variant(s)*	All variants
Vehicle Type	Utility

The tested model of Holden Colorado was introduced in Australia and New Zealand in mid-2016. This ANCAP safety rating applies to all variants (all cab styles and drivelines) built from 4 July 2016.

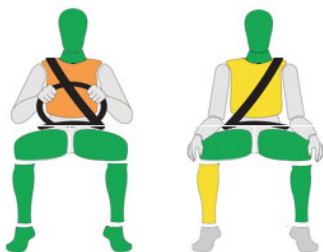
Dual frontal, side chest and side head-protecting airbags (curtains) and a driver knee airbag are standard. Advanced seat belt reminders are fitted to all fixed seats. Upper anchorages for child restraints are fitted to outboard rear seats of the Crew Cab. A full list of safety features and technologies can be viewed within the *Safety Features & Technologies* table on page 2 of this report.

The fold-up (jump) seats in the second row of the Space Cab lack seat belt reminders and upper anchorages for child restraints and therefore are not suitable for transporting children.

Injury Outcomes.

Frontal Offset

Driver Passenger



Side Impact & Pole#



Whiplash Protection



Head protection only.

Test Results Summary.

Airbags	Dual Frontal, Side, Head, Knee
Frontal Offset Test	13.89 (out of 16)
Side Impact Test	16.00 (out of 16)
Pole Test	2.00 (out of 2)
Whiplash Protection	Good
Pedestrian Protection	Good
ESC	Standard
Seat Belt Reminders	3.00* (out of 3)
Overall Score	34.89* (out of 37)
ANCAP Safety Rating	★★★★★
Rating Year^	2016

* Score reduces by 1.00 point for all single cab and space cab variants but they retain a 5 star ANCAP safety rating.

Occupant Protection.

Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	2.33 points
Upper legs:	4.00 points
Lower legs:	3.56 points

The passenger compartment held its shape well in the frontal 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

Each body region is scored out of 4 points

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

The side impact test normally used by ANCAP simulates a small car striking the driver's door of the test vehicle. Experience shows that large vehicles like the Colorado can be expected to perform well in this test. ANCAP has adopted a policy of awarding these types of vehicles a default score of 16 points (out of 16).

Pole Test

Scored out of 2 points

Score:	2.00 points
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The vehicle was eligible for a side pole test because it has side curtain airbags. The vehicle scored the maximum 2 points for head protection in this test.

Whiplash Protection Test

Whiplash protection is assessed to the RCAR Protocol

Geometric test:	Good
Dynamic test:	Good
Overall whiplash rating:	Good

Pedestrian Protection.

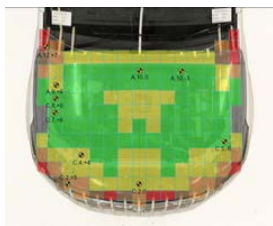
Pedestrian Test

Scored out of 36 points

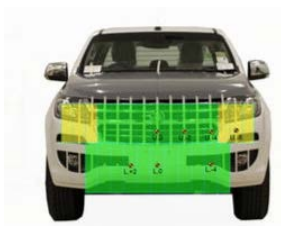
Adult & child head impacts: 17.30 points
 Upper leg impacts: 5.57 points
 Lower leg impacts: 6.00 points

This vehicle scored 28.87 out of 36 points (Good). Mostly good levels of pedestrian protection were seen. Improvements could be made at the bonnet leading edge and at the rear of the bonnet in the region of the air cowl. (v8.2).

Child and adult head impact



Adult leg impact (upper and full legforms)



Score 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

Other.

Independent assessment has shown that the 2016 ANCAP safety rating of this vehicle only, is retained when the following Holden Genuine Accessories are fitted:

- Bull/Roo Bar Part No. 92506927 / 92508023
- Bull/Roo Bar Part No. 92506933 / 92508024
- Safari Bar Part No. 92507720 / 92508028
- Nudge Bar Part No. 92288726
- Nudge Bar Part No. 92288725
- Under Body Protection Package Part No. 95711084 / 95711094
- Winch Bar Part No. 92510327
- Winch Bar Part No. 92510326

This includes combinations of these accessories.

ANCAP was provided with information to show that, with the steel bullbar fitted, the pedestrian protection rating drops from 'Good' to 'Marginal'. While this is still adequate for a 5 star ANCAP safety rating (2016), the fitting of stiff components at the front of the vehicle does increase the serious injury risk for struck pedestrians, compared to the unmodified vehicle.

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 (rear outboard)	X*
Intelligent seat belt reminder (driver)	S
Intelligent seat belt reminder (front passenger)	S
Intelligent seat belt reminder (2 nd row fixed 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*
Airbag - Side, head protection (front seats)	S
Airbag - Side, head protection (2 nd row seats)	S*
Airbag - Knee (driver)	S
Airbag - Knee (front passenger)	X
Head restraints for all seats	S
Adaptive cruise control (ACC)	X
Antilock braking system (ABS)	S
Autonomous emergency braking (AEB)	
- City	X
- Interurban	X
- Vulnerable road user	X
Automatic headlights	S
Automatic high beam	X
Blind spot monitoring (BSM)	X
Daytime running lights (DRL)	S
Electronic brakeforce distribution (EBD)	S
Electronic data recorder (EDR)	S
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Emergency stop signal	S
Following distance warning	V
Hill launch assist	S
Lane support system (LSS)	V
Reversing collision avoidance	V
Roll stability system	S
Speed assistance - automatic/intelligent speed limiting (ISA)	X
Speed assistance - manual speed limiting/alarm	S
Speed assistance - speed sign recognition/map	X
Top tether anchorages for rear seat	S#
Trailer stability control	S
Tyre pressure monitoring system (TPMS)	V

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.
 # = Crew Cab only. Space Cab fold-up (jump) seats do not have seat belt reminders or top-tether anchorages.
 * = Not applicable to Single Cab.

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

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Injury Values & Measurements.

Body Region	Frontal offset test at 64 km/h (v5.1)		Side impact test at 50 km/h (v5.1)	
	Driver	Passenger	Driver	
Head				
HIC	582.00	599.00	HIGH-SEAT VEHICLE DEFAULT SCORE AWARDED	
Acceleration (g for 3ms)	58.30	59.00		
Neck				
Shear (kN)	0.54	-0.26		
Tension (kN)	1.85	1.38		
Extension (Nm)	8.50	13.60		
Chest				
Acceleration (g for 3ms)	-	-		
Compression (mm)	33.70	24.00		
Viscous criterion (m/s)	0.15	0.08		
Abdomen				
Force (kN)	-	-		
Pelvis				
Force (kN)	-	-		
Upper legs				
Femur force left (kN)	0.33	0.31		
Femur force right (kN)	0.44	0.26		
Knee displacement left (mm)	1.08	0.28		
Knee displacement right (mm)	0.35	0.28		
Lower legs				
Force left (kN)	1.20	1.51		
Force right (kN)	1.88	2.06		
Index (upper / lower) left	0.28 / 0.17	0.33 / 0.28		
Index (upper / lower) right	0.25 / 0.27	0.37 / 0.50		
Intrusion Measurements*				
Steering column				
Forward (mm)	38			
Upward (mm)	26			
Sideways (mm)	8			
Pedals				
Accelerator - rearward (mm)	31			
Clutch - upward (mm)	0			
A-Pillar				
Forward (mm)	11			

+ Steering column and pedal movements are measured relative to the driver's seat.

* **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	Holden Colorado LTZ 4X4
Tested Vehicle(s) Built	2016
Tested Body Type	Utility
Tested Vehicle Kerb Weight	2070 kg
Tested Vehicle Engine	2.8 litre diesel
Tested By	ANCAP
Assessed By	ANCAP
Document Reference	COLORADO16
Document Created / Revised	3 August 2016 / 10 September 2018
Rating Published	August 2016
Rating Updated	September 2018



Frontal offset test at 64km/h