

# ANCAP Safety Rating: MERCEDES-BENZ GLC (2015 - onwards)



**ANCAP**  
Safety ★★★★★



Frontal offset test at 64km/h (Euro NCAP)

## This ANCAP safety rating applies to:

<b>Make / Model</b>	Mercedes-Benz GLC
<b>Year Range</b>	2015 - onwards
<b>Variant(s)*</b>	All variants
<b>Vehicle Type</b>	Medium SUV

The tested model of Mercedes-Benz GLC was introduced in Australia and New Zealand in 2015. This ANCAP safety rating applies to all variants.

Dual frontal, side chest and side head airbags (curtains) and a driver knee airbag are standard. Advanced crash-avoidance features including Autonomous Emergency Braking (AEB) are available as standard. Advanced seat belt reminders are fitted to all seats.

## Injury Outcomes.

### Full Width Frontal

Driver Rear Passenger Driver Front Passenger



### Side Impact

Driver



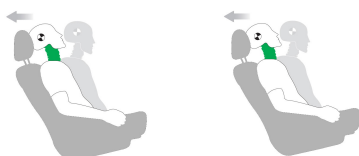
### Pole

Driver



### Whiplash Protection

Rear Front



## Test Results Summary.

<b>Airbags</b>	Dual Frontal, Side, Head, Knee
<b>Adult Occupant Protection</b>	95% (36.4 out of 38)
- Full Width Frontal Test <sup>#</sup>	7.45 (out of 8)
- Frontal Offset Test <sup>#</sup>	7.57 (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	2.59 (out of 3)
- AEB (City)	2.81 (out of 3)
<b>Child Occupant Protection</b>	89% (43.7 out of 49)
<b>Safety Assist</b>	71% (9.3 out of 13)
- Speed Assistance System	1.33 (out of 3)
- ESC	3.00 (out of 3)
- Seat Belt Reminders	3.0 (out of 3)
- Lane Support System	0.0 (out of 1)
- AEB (Interurban)	2.0 (out of 3)
<b>Pedestrian Protection</b>	82% (29.7 out of 36)
<b>ANCAP Safety Rating</b>	★★★★★
<b>Rating Year<sup>^</sup></b>	2015

# - Scaled scores. Total test scores 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: 3.98 points
Chest: 4.00 points	Chest: 1.80 points
Upper legs: 4.00 points	Upper legs: 4.00 points

### Frontal Offset Test

Each body region is scored out of 4 points

Driver/Front passenger	
Head / neck:	4.00 points
Chest:	3.74 points
Upper legs:	4.00 points
Lower legs:	3.39 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

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:	1.71 points
Rear:	0.88 points
AEB (City):	2.81 points

# ANCAP Safety Rating: MERCEDES-BENZ GLC (2015 - onwards)



**ANCAP**

Safety ★★★★★



## Child Occupant Protection.

### Crash Test Performance

18 month old child: 12.00 points  
3 year old child: 10.72 points

### Child Safety Features

Safety features: 9 points  
Installation check: 12 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).

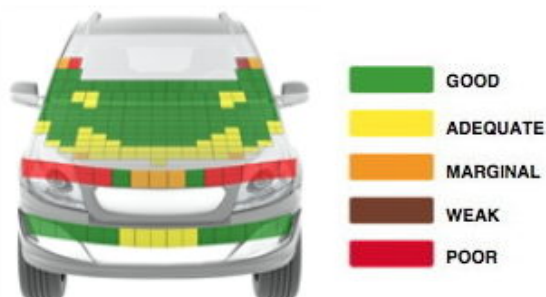
## Pedestrian Protection.

### Pedestrian Test

Scored out of 36 points

Adult & child head impacts: 22.53 points  
Upper leg impacts: 1.52 points  
Lower leg impacts: 5.66 points

This vehicle scored 29.70 out of 36 points (Good). The GLC has an active bonnet fitted as standard. Good or adequate results were recorded over almost the entire bonnet surface, showing a high level of protection to the head of a struck pedestrian. The bumper also offered good or adequate protection to pedestrians' legs. Only the protection of the pelvis was mixed, with predominantly poor results. (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>
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 - Knee (driver)	<b>S</b>
Airbag - Knee (front passenger)	<b>X</b>
Head restraints for all seats	<b>S</b>
Active bonnet	<b>S</b>
Adaptive cruise control (ACC)	<b>S</b>
Adaptive front lighting systems	<b>S</b>
AEB (Autonomous Emergency Braking) - City	<b>S</b>
AEB - Interurban	<b>S</b>
AEB - Vulnerable road user	<b>V</b>
Antilock braking system (ABS)	<b>S</b>
Attention assist (fatigue reminder)	<b>S</b>
Automatic headlights	<b>S</b>
Automatic high beam	<b>S</b>
Blind spot monitoring	<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>
Emergency stop signal	<b>S</b>
Hill launch assist	<b>S</b>
Lane support system (LSS)	<b>V</b>
Pre-crash systems	<b>S</b>
Reversing collision avoidance (camera & sensor)	<b>S</b>
Roll stability system	<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	<b>X</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.

## Safety Assist.

### Speed Assistance System (SAS)

Scored 1.3 out of 3 points

Speed information: Not available  
Speed assistance (manual): Standard

### Electronic Stability Control (ESC)

Scored 3.0 out of 3 points

### AEB (Interurban)

Scored 2.01 out of 3 points

Forward emergency braking: 0.997  
Forward collision warning: 0.760 out of 1.0  
Human machine interface: 0.250 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 0.0 out of 1 point

Lane-keep-assist is optional in Australasia but was not assessed by Euro NCAP.

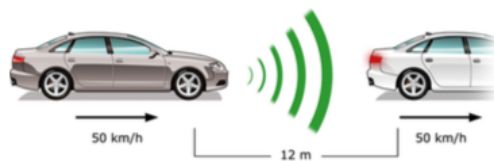
Approaching a stationary vehicle: 10.38 out of 18 for Forward Collision Warning (FCW)



Approaching a slow moving vehicle: 9.40 out of 11 for AEB, 10.22 out of 11 for FCW



Approaching a braking vehicle with short headway: 1.00 out of 2 for AEB, 1.09 out of 2 for FCW



Approaching a braking vehicle with long headway: 0.89 out of 2 for AEB, 2.0 out of 2 for FCW



# ANCAP Safety Rating: MERCEDES-BENZ GLC (2015 - onwards)



**ANCAP**

Safety ★★★★★



## 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
<b>Head</b>						
HIC	106.00	205.00	301.00	293.00	30.00	359.74
Acceleration (g for 3ms)	36.50	47.50	54.60	55.00	21.30	58.67
<b>Neck</b>						
Shear (kN)	0.63	0.97	0.57	0.82	-	-
Tension (kN)	1.27	0.37	1.23	1.72	-	-
Extension (Nm)	18.00	18.30	20.20	13.80	-	-
<b>Chest</b>						
Acceleration (g for 3ms)	-	-	-	-	-	-
Compression (mm)	23.29	19.37	16.99	31.20	8.29	27.61
Viscous criterion (m/s)	0.05	0.06	0.10	0.15	0.04	0.39
<b>Abdomen</b>						
Compression (mm)	-	-	-	-	7.07	37.01
<b>Pelvis</b>						
Force (kN)	-	-	-	-	0.38	-
<b>Upper legs</b>						
Femur force left (kN)	0.90	0.19	2.15	0.49		
Femur force right (kN)	1.41	0.20	2.55	0.37		
Knee displacement left (mm)	2.51	0.68	3.48	4.41		
Knee displacement right (mm)	4.40	1.03	4.96	3.35		
<b>Lower legs</b>						
Force left (kN)	1.85	1.67	-	-		
Force right (kN)	2.91	1.40	-	-		
Index (upper / lower) left	0.29 / 0.18	0.21 / 0.10	-	-		
Index (upper / lower) right	0.35 / 0.32	0.29 / 0.13	-	-		
<b>Intrusion Measurements</b>						
<b>Steering column</b>						
Forward (mm)	67	-	-	-		
Downward (mm)	14	-	-	-		
Sideways (mm)	9	-	-	-		
<b>Pedals</b>						
Brake - rearward (mm)	4	-	-	-		
Brake - upward (mm)	4	-	-	-		
<b>A-Pillar</b>						
Rearward (mm)	0	-	-	-		

\* 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>	Mercedes-Benz GLC 220d Exclusive LHD
<b>Tested Vehicle(s) Built</b>	2015
<b>Tested Body Type</b>	Wagon
<b>Tested Vehicle Kerb Weight</b>	1850 kg
<b>Tested Vehicle Engine</b>	2.2 litre diesel
<b>Tested By</b>	Euro NCAP
<b>Assessed By</b>	Euro NCAP
<b>Document Reference</b>	GLC15
<b>Document Created / Revised</b>	18 December 2015
<b>Rating Published</b>	18 January 2016

