

MERCEDES-BENZ B-CLASS

MAY 2019 - ONWARDS
ALL VARIANTS



TESTED
2019



96%

ADULT OCCUPANT
PROTECTION



92%

CHILD OCCUPANT
PROTECTION



78%

VULNERABLE ROAD USER
PROTECTION



77%

SAFETY
ASSIST



MERCEDES-BENZ B-CLASS

OVERVIEW

The Mercedes-Benz B-Class was introduced in Australia and New Zealand in May 2019. This ANCAP safety rating applies to all variants.

Dual frontal airbags, side chest-protecting airbags for both the first and second row outboard seating positions, side head-protecting airbags (curtains), and a driver knee airbag are standard.

Autonomous emergency braking (City, Interurban and Vulnerable Road User) as well as lane keep assist (LKA) with lane departure warning (LDW) and blind spot monitor (BSM) are standard equipment.

ANCAP SAFETY RATING



RATING YEAR (DATESTAMP)

2019

VEHICLE TYPE

SMALL CAR

AIRBAGS

Dual frontal, side chest (1st & 2nd row), side head, driver knee

RATING APPLICABILITY

VARIANT	BODY TYPE	ENGINE	DRIVETRAIN	AUS	NZ
Mercedes-Benz B-Class B180	5 door hatch	1.3 litre petrol	FWD	✓	✓

✓ COVERED BY THIS RATING ✗ NOT COVERED BY THIS RATING ◆ TESTED VARIANT

ADULT OCCUPANT PROTECTION



96%

36.64 POINTS
OUT OF 38

The passenger compartment of the Mercedes-Benz B-Class remained stable in the frontal offset test. ADEQUATE protection was seen for the chest and lower legs of the driver. Dummy readings for the passenger showed GOOD protection for all critical body areas.

In the full width frontal test, ADEQUATE protection was seen for the neck of both the driver and rear passenger as well as the chest of the driver. Protection offered to the chest of the rear passenger was MARGINAL.

In the side impact test, protection offered to all critical body regions was GOOD.

In the oblique pole test, protection was ADEQUATE for the chest of the driver and GOOD for all other critical body regions.

The low-speed autonomous emergency braking system (AEB - City) showed GOOD performance at low speeds typical of city driving, with collisions avoided in most test scenarios.

FRONTAL OFFSET#	7.69 (out of 8)
FULL WIDTH FRONTAL#	7.49 (out of 8)
SIDE IMPACT#	8.00 (out of 8)
OBLIQUE POLE#	7.91 (out of 8)
WHIPLASH PROTECTION	1.55 (out of 2)
AEB - City	4.00 (out of 4)

Scaled scores. Total test scored out of 16.00 points.

FRONTAL OFFSET TEST (64 KM/H)



Driver

Head / neck:	4.00 pts
Chest:	3.43 pts
Upper legs:	4.00 pts
Lower legs:	3.94 pts
Deductions:	Nil



Front Passenger

Head / neck:	4.00 pts
Chest:	4.00 pts
Upper legs:	4.00 pts
Lower legs:	4.00 pts
Deductions:	Nil

FULL WIDTH FRONTAL TEST (50 KM/H)



Driver

Head:	4.00 pts
Neck:	3.74 pts
Chest:	3.75 pts
Upper legs:	4.00 pts
Deductions:	Nil



Rear Passenger

Head:	4.00 pts
Neck:	3.97 pts
Chest:	2.50 pts
Upper legs:	4.00 pts
Deductions:	Nil

SIDE IMPACT TEST (50 KM/H)



Driver

Head:	4.00 points
Chest:	4.00 points
Abdomen:	4.00 points
Pelvis:	4.00 points
Deductions:	Nil



Driver

Head:	4.00 points
Chest:	3.82 points
Abdomen:	4.00 points
Pelvis:	4.00 points
Deductions:	Nil

OBLIQUE POLE TEST (32 KM/H)

WHIPLASH (REAR IMPACT) PROTECTION TEST



Rear Passenger

Rear:	0.38 points
Front:	1.18 points



Driver / Front Passenger

AEB - CITY (10-50 KM/H)

Score: 4.00 points

OVERLAP	-50%	-75%	100%	75%	50%
PERFORMANCE	GOOD				

GOOD ADEQUATE MARGINAL WEAK POOR

CHILD OCCUPANT PROTECTION



92%

45.46 POINTS
OUT OF 49

In the frontal offset test, protection of the neck of the 6 year and 10 year dummies was ADEQUATE. Protection offered to all other critical body regions was GOOD.

In the side impact test, protection of all critical body areas was GOOD for both child dummies.

The Mercedes-Benz B-Class is fitted with lower ISOFix anchorages on the rear outboard seats and top tether anchorages for all rear seating positions.

Installation of typical child restraints available in Australia and New Zealand showed that all of the selected child restraints could be accommodated in each of the rear seating positions and full points were scored for this assessment.

DYNAMIC TEST (FRONT)	15.46 (out of 16)
DYNAMIC TEST (SIDE)	8.00 (out of 8)
RESTRAINT INSTALLATION	12.00 (out of 12)
ON-BOARD SAFETY FEATURES	10.00 (out of 13)

FRONTAL OFFSET TEST (64 KM/H)



6 year old

10 year old

SIDE IMPACT TEST (50 KM/H)



10 year old

6 year old

ON-BOARD SAFETY FEATURES

FEATURE	FRONT PASSENGER	2nd ROW OUTBOARD	2nd ROW CENTRE	3rd ROW OUTBOARD	3rd ROW CENTRE
ISOFix	×	●	×	-	-
Integrated child restraints	×	×	×	-	-
Top tether anchorage	×	●	●	-	-
Airbag disabling	●	-	-	-	-

● FITTED TO TEST CAR AS STANDARD ● NOT FITTED TO TEST CAR BUT AVAILABLE AS AN OPTION × NOT AVAILABLE - NOT APPLICABLE

NOTE: The child restraints fitted to vehicles 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. The Child Restraint Evaluation Program (CREP) provides an independent assessment on the safety of Australasian child restraints - see www.childcarseats.com.au.

GOOD ADEQUATE MARGINAL WEAK POOR

CHILD OCCUPANT PROTECTION



92%

45.46 POINTS
OUT OF 49

CHILD RESTRAINT INSTALLATION*


CHILD RESTRAINT (CRS) TYPE [^]		FRONT ROW	2nd ROW			3rd ROW			
		PASSENGER	LEFT	CENTRE	RIGHT	LEFT	CENTRE	RIGHT	
BELTED	TYPE A	Rearward facing capsule	×	●	●	●	-	-	-
		Rearward facing with harness - convertible (Model A)	×	●	●	●	-	-	-
		Rearward facing with harness - convertible (Model B)	×	●	●	●	-	-	-
	TYPE B	Forward facing with harness - convertible (Model A)	×	●	●	●	-	-	-
		Forward facing with harness - convertible (Model B)	×	●	●	●	-	-	-
	TYPE E	Booster - 4 to 8 years	×	●	●	●	-	-	-
TYPE F	Booster - 4 to 10 years	×	●	●	●	-	-	-	
ISOFIX	TYPE A	Rearward facing capsule	×	●	-	●	-	-	-
		Rearward facing with harness - convertible (Model A)	×	●	-	●	-	-	-
		Rearward facing with harness - convertible (Model B)	×	●	-	●	-	-	-
	TYPE B	Forward facing with harness - convertible (Model A)	×	●	-	●	-	-	-
		Forward facing with harness - convertible (Model B)	×	●	-	●	-	-	-

* Installation of each child restraint is assessed separately in each position. Installation of multiple restraints has not been assessed and may not be possible.

[^] The above list of child restraints has been selected to provide a general indication of the rated vehicle's ability to accommodate various CRS types. ANCAP does not endorse or recommend any one CRS brand or model, nor does it rate the safety of child restraints.

● INSTALL WITHOUT PROBLEM ● INSTALL WITH CARE ● CANNOT BE FITTED SAFELY × INSTALLATION NOT ALLOWED - NOT APPLICABLE / NOT ASSESSED

VULNERABLE ROAD USER PROTECTION



78%
37.73 POINTS
OUT OF 48

The bonnet of the Mercedes-Benz B-Class provided GOOD or ADEQUATE protection to the head of a struck pedestrian over most of its surface, with some POOR results recorded on the stiff windscreen pillars and at the base of the windscreen. The bumper scored maximum points for its protection of pedestrians' legs, with GOOD results at all test locations. Protection of the pelvis was mixed, with areas of GOOD and WEAK performance.

The autonomous emergency braking (AEB) system is capable of detecting and reacting to vulnerable road users such as pedestrians and cyclists. The AEB system showed GOOD performance in pedestrian test scenarios, in both daylight and low light. GOOD performance was also seen in cyclist test scenarios, with collisions avoided or mitigated in most scenarios. The system's overall performance was classified as GOOD.

HEAD IMPACTS	15.07 (out of 24)
UPPER LEG IMPACTS	5.04 (out of 6)
LOWER LEG IMPACTS	6.00 (out of 6)
AEB - Pedestrian	5.61 (out of 6)
AEB - Cyclist	6.00 (out of 6)

PEDESTRIAN IMPACT TEST (40 KM/H)



AUTONOMOUS EMERGENCY BRAKING (PEDESTRIAN & CYCLIST)

SYSTEM NAME: Active Brake Assist
TYPE: Autonomous emergency braking with forward collision warning
OPERATIONAL FROM: 7-200 km/h
DESCRIPTION: System functions in the daytime and night

TEST SCENARIO	AEB - Pedestrian								AEB - Cyclist								
	Adult crossing towards kerb (50%)		Adult crossing from kerb (25%)		Adult crossing from kerb (75%)		Child running (obstructed)	Adult walking along road		FORWARD COLLISION WARNING		Cyclist crossing from kerb		Cyclist travelling along road (50%)		Cyclist travelling along road (25%)	
	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	DAY	DAY	DAY	DAY
	DAY		NIGHT		DAY		NIGHT		DAY		NIGHT		DAY		DAY		DAY
PERFORMANCE	-		GOOD		GOOD		GOOD	GOOD		ADEQUATE		GOOD		GOOD		GOOD	

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

SAFETY ASSIST



77%

10.03 POINTS
OUT OF 13

The Mercedes-Benz B-Class is fitted as standard with a range of safety assist features including autonomous emergency braking (AEB), a lane support system (LSS) with lane keep assist (LKA) and emergency lane keeping (ELK) functionality, and blind spot monitoring (BSM).

Tests of the AEB system showed GOOD performance in highway speed scenarios with collisions avoided or mitigated in most scenarios.

Tests of LSS functionality showed ADEQUATE performance overall, with MARGINAL performance seen in lane keep assist test scenarios, while ADEQUATE performance was seen in the more critical emergency lane keeping scenarios.

A speed assistance system (SAS) is also standard, informing the driver of the local speed limit and allowing the driver to set the speed accordingly.

A seatbelt reminder system is fitted to all seating positions, however occupancy detection is not available on rear seats.

SPEED ASSISTANCE SYSTEMS	2.88 (out of 3)
SEAT BELT REMINDERS	2.50 (out of 3)
LANE SUPPORT SYSTEMS	2.25 (out of 4)
AEB - Interurban	2.41 (out of 3)

LANE SUPPORT SYSTEMS (LSS)

SYSTEM NAME: Active Lane Keeping Assist
OPERATIONAL FROM: 60-200 km/h

		EMERGENCY LANE KEEPING (ELK)							
TEST SCENARIO	PERFORMANCE	Oncoming vehicle	Overtaking vehicle (GVT at 72 km/h)		Overtaking vehicle (GVT at 80 km/h)		Road edge		
			UNINTENTIONAL	INTENTIONAL	UNINTENTIONAL	INTENTIONAL			
	GOOD		MARGINAL	MARGINAL		MARGINAL			
		ADEQUATE							

		LANE KEEP ASSIST (LKA)											
TEST SCENARIO	PERFORMANCE	Dashed Line				Solid Line				Road Edge			
			MARGINAL		MARGINAL		MARGINAL		MARGINAL				
		MARGINAL											

HUMAN MACHINE INTERFACE (HMI)		
FUNCTION	Lane Departure Warning (LDW)	PASS
	Blind Spot Monitoring (BSM)	PASS

GOOD ADEQUATE MARGINAL WEAK POOR

SAFETY ASSIST



77%

10.03 POINTS
OUT OF 13

AUTONOMOUS EMERGENCY BRAKING (INTERURBAN)

SYSTEM NAME: Active Brake Assist
TYPE: Autonomous emergency braking with forward collision warning
OPERATIONAL FROM: 7-200 km/h
DESCRIPTION: Defaults ON for every journey

HUMAN MACHINE INTERFACE (HMI)	
FUNCTION	Supplementary warning [NOT FITTED] Restraint activation / dynamic retractors [NOT FITTED]
FORWARD COLLISION WARNING (FCW)	
TEST SCENARIO	Driving towards a stationary car
	Driving towards a slower moving car
PERFORMANCE	GOOD
AUTONOMOUS EMERGENCY BRAKING - Interurban	
TEST SCENARIO	Toward car braking lightly
	Toward car braking heavily
PERFORMANCE	GOOD

SPEED ASSISTANCE SYSTEMS (SAS)

SYSTEM NAME: Speed Limit Assist

SAS FEATURE	DESCRIPTION
Speed Limit Information Function (SLIF)	Camera & map
Speed Limitation Function	System advised

SEAT BELT REMINDERS (SBR)

WARNING TYPE	DRIVER	FRONT PASSENGER	REAR PASSENGERS
Occupant Detection	-	●	✗
Visual	●	●	●
Audible	●	●	●

● PASS ● FAIL ✗ NOT AVAILABLE - NOT APPLICABLE

GOOD ADEQUATE MARGINAL WEAK POOR

SAFETY FEATURES & TECHNOLOGIES

FEATURE / TECHNOLOGY~	AVAILABILITY	
	AUS	NZ
Seat belts (three-point) for all forward-facing seats	●	●
Seat belt pre-tensioners (front)	●	●
Seat belt pre-tensioners (rear outboard) - 2nd row	●	●
Seat belt pre-tensioners (rear centre) - 2nd row	✗	✗
Seat belt pre-tensioners (rear outboard) - 3rd row	-	-
Intelligent seat belt reminder (driver)	●	●
Intelligent seat belt reminder (front passenger)	●	●
Intelligent seat belt reminder (2nd row seats)	●	●
Intelligent seat belt reminder (3rd row seats)	-	-
Airbag - frontal (driver)	●	●
Airbag - frontal (passenger)	●	●
Airbags - side, chest protection (front seats)	●	●
Airbags - side, chest protection (2nd row seats)	●	●
Airbags - side, chest protection (3rd row seats)	-	-
Airbags - side, head protection (front seats)	●	●
Airbags - side, head protection (2nd row seats)	●	●
Airbags - side, head protection (3rd row seats)	-	-
Airbag - knee (driver)	●	●
Airbag - knee (front passenger)	✗	✗
Airbag disabling switch - automatic (front passenger)	●	●
Airbag disabling switch - manual (front passenger)	✗	✗
Head restraints for all seats	●	●
Active bonnet	✗	✗
Adaptive cruise control (ACC)	○	○
Adaptive headlights	○	○
Anti-lock braking system (ABS)	●	●
Autonomous emergency braking (AEB) - City	●	●
Autonomous emergency braking (AEB) - Interurban	●	●
Autonomous emergency braking (AEB) - VRU	●	●
Automatic emergency call (eCall)	✗	✗
Automatic headlights	●	●
Automatic high beam	○	○

FEATURE / TECHNOLOGY~	AVAILABILITY	
	AUS	NZ
Blind spot monitor (BSM)	●	●
Child presence alert	✗	✗
Daytime running lights (DRL)	●	●
Electronic brakeforce distribution (EBD)	●	●
Electronic data recorder (EDR)	✗	✗
Electronic stability control (ESC)	●	●
Emergency brake assist (EBA)	●	●
Emergency stop signal (ESS)	●	●
Fatigue reminder	●	●
Fatigue detection	●	●
Forward collision warning (FCW)	●	●
Hill launch assist	●	●
Integrated child seat / restraint	✗	✗
ISOFix	●	●
Lane departure warning (LDW)	●	●
Lane keep assist (LKA)	●	●
Pre-crash systems	●	●
Rear cross-traffic alert (RCTA)	●	●
Reversing collision avoidance (camera)	●	●
Reversing collision avoidance (auto brake)	✗	✗
Roll stability system	●	●
Secondary / multi-collision brake	●	●
Speed assistance - auto / intelligent speed limiter	●	●
Speed assistance - manual speed limiter	●	●
Speed assistance - speed sign recognition & warning	●	●
Smart (intelligent) key	✗	✗
Trailer stability control	✗	✗
Tyre pressure monitoring system (TPMS)	●	●
Vehicle-to-infrastructure communication (V2I)	✗	✗
Vehicle-to-vehicle communication (V2V)	✗	✗

~ Specifications & availability subject to change. Please check with the vehicle manufacturer for confirmation of vehicle specification.

● STANDARD ○ NOT AVAILABLE ON BASE VARIANT BUT STANDARD OR OPTIONAL ON HIGHER VARIANTS ○ OPTIONAL ✗ NOT AVAILABLE

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 the extension of a rating to additional variants of a model.

RATING YEAR (DATESTAMP):

The Rating Year denotes the year requirements against which a vehicle has been assessed. The Rating Year is determined by ANCAP and, for vehicles rated from 2018, the Rating Year is the year in which the vehicle was tested.

ASSESSMENT DETAILS

TESTED MAKE / MODEL	Mercedes-Benz B180 Progressive LHD
TESTED VEHICLE(S) BUILT	2019
TESTED BODY TYPE	5 door hatch
TESTED VEHICLE ENGINE	1.3 litre petrol
RATING PUBLISHED	September 2019
RATING UPDATED	n/a