



Mercedes-Benz C-Class Cabriolet
Standard Safety Equipment

2017 ★★★★★



Adult Occupant



89%

Child Occupant



79%

Pedestrian



66%

Safety Assist



53%

SPECIFICATION

Tested Model	Mercedes-Benz C 220d Cabriolet, LHD
Body Type	- 2 door Cabriolet
Year Of Publication	2017
Kerb Weight	1745kg
VIN From Which Rating Applies	- all variants from WDD2054862F593831 except some 4x4
Class	Large Family Car

ADVANCED REWARDS

- 2011 - Mercedes-Benz Attention Assist
- 2010 - Mercedes-Benz PRE-SAFE®

SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	●	●	✘
Belt pretensioner	●	●	●
Belt loadlimiter	●	●	●
Knee airbag	●	✘	✘
SIDE CRASH PROTECTION			
Side head airbag	●	●	✘
Side chest airbag	●	●	●
Side pelvis airbag	●	●	✘
CHILD PROTECTION			
Isofix	—	✘	●
Integrated CRS	—	✘	✘
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●
OTHER SYSTEMS			
Active Bonnet (Hood)	●		
AEB City	●		
AEB Inter-Urban	●		
Speed Assistance System	●		
Lane Assist System	○		

Note: Other equipment may be available on the vehicle but was not considered in the test year.

- Fitted to the vehicle as standard
 ○ Fitted to the vehicle as part of the safety pack
○ Not fitted to the test vehicle but available as option or as part of the safety pack
 ✘ Not available
 — Not applicable

ADULT OCCUPANT

Total 34.1 Pts / 89%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Frontal Offset Deformable Barrier 7.9 Pts




Passenger Driver

Frontal Full Width 7.4 Pts




Rear Passenger Driver

Whiplash Rear Impact 1.6 Pts



Front seat Rear seat

Lateral Impact 14.5 Pts



Car Pole

AEB City 2.8

Performance: ■ Good

 ADULT OCCUPANT

Total 34.1 Pts / 89%

Comments

The passenger compartment remained stable in the frontal offset test. Dummy readings showed good protection of the knees and femurs of both driver and passenger. Mercedes-Benz showed that a similar level of protection would be provided for occupants of different sizes and to those sat in different positions. Protection of the passenger was good for all critical body areas. In the full-width rigid barrier test, protection of the driver and rear passenger was good or adequate. In the side barrier test, protection of the dummy was good for all critical body areas and maximum points were scored. However, in the more severe side pole test, dummy readings of rib compression indicated weak protection of the chest. Tests on the front seats and head restraints demonstrated good protection against whiplash injury in the event of a rear-end collision. A geometric assessment indicated weak whiplash protection for occupants of the rear seats. The C-Class Cabriolet has, as standard, an autonomous emergency braking system. Tests showed good performance of the functionality of this system at the low speeds at which many whiplash injuries are caused, with collisions avoided or mitigated.

CHILD OCCUPANT

Total 38.8 Pts / 79%

GOOD ADEQUATE MARGINAL WEAK POOR

Crash Test Performance based on 6 & 10 year old children

19.3 Pts

Frontal Impact 15.3 Pts



Lateral Impact 4 Pts



Restraint for 6 year old child: *Römer KidFix XP*
 Restraint for 10 year old child: *Römer KidFix XP (Booster)*

Safety Features

8 Pts

	Front Passenger	2nd row outboard
Isofix	✗	●
i-Size	✗	●
Integrated CRS	✗	✗

● Fitted to test car as standard ○ Not on test car but available as option ✗ Not available

CRS Installation Check

11.5 Pts

● Install without problem ○ Install with care ● Safety critical problem ✗ Installation not allowed

■ i-Size CRS

Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize)



Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize)



BeSafe iZi Kid X2 i-Size (iSize)



CHILD OCCUPANT

Total 38.8 Pts / 79%

ISOFIX CRS

Maxi Cosi Cabriofix & FamilyFix (ISOFIX)



BeSafe iZi Kid X4 ISOfix (ISOFIX)



Römer Duo Plus (ISOFIX)



Römer KidFix XP (ISOFIX)



Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyBase2 (Belt)



Römer King II LS (Belt)



Römer KidFix XP (Belt)



CHILD OCCUPANT

Total 38.8 Pts / 79%

	Seat Position		
	Front	2nd row	
	PASSENGER	LEFT	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize)	□	●	●
Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize)	□	●	●
BeSafe iZi Kid X2 i-Size (iSize)	□	●	●
Maxi Cosi Cabriofix & FamilyFix (ISOFIX)	□	●	●
BeSafe iZi Kid X4 ISOfix (ISOFIX)	□	✘	●
Römer Duo Plus (ISOFIX)	□	●	●
Römer KidFix XP (ISOFIX)	□	●	●
Maxi Cosi Cabriofix (Belt)	●	●	●
Maxi Cosi Cabriofix & EasyBase2 (Belt)	●	●	●
Römer King II LS (Belt)	●	●	●
Römer KidFix XP (Belt)	●	●	●

● Install without problem
 ● Install with care
 ● Safety critical problem
 ✘ Installation not allowed

Comments

In the frontal offset test, protection of both the 6 year and 10 year dummy was good or adequate. However, in the side barrier test, the head of the 10 year dummy contacted the metal frame of the folding roof and protection was rated as poor, based on the resulting high decelerations. The C-Class Cabriolet automatically disables the front passenger airbag when a rearward-facing child restraint is positioned there. Mercedes-Benz showed that the system worked robustly and it was rewarded. Care is needed when installing the Group I ISOFIX restraint in the rear seats as the top tether anchorage is obscured. Otherwise all of the seats for which the car is designed could be installed and accommodated without problem.

PEDESTRIAN PROTECTION

Total 27.8 Pts / 66%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Pedestrian Protection 27.8 Pts



Head Impact	21 Pts
Pelvis Impact	0.8 Pts
Leg Impact	6 Pts

AEB Pedestrian 0 Pts

Comments

The C-Class Cabriolet has an 'active' bonnet. Sensors detect when a pedestrian has been struck and actuators raise the bonnet to provide greater clearance to the stiff structures in the engine compartment. Mercedes-Benz showed that the system worked robustly for different pedestrian statures and over a wide range of speeds, so tests were conducted with the bonnet in the raised position. Results were good at almost all test locations. The bumper provided good protection to pedestrians' legs and maximum points were scored in these tests. However, protection of the pelvis was predominantly poor. A pedestrian-detecting autonomous braking system is available. However, as this is an option it was not tested as part of this assessment.

 SAFETY ASSIST

Total 6.4 Pts / 53%

GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR

Speed Assistance

1.5 Pts

System Name	Speed Limiter
Speed Limit Information Function	N/A
Warning Function	Active braking (no warning necessary)
Speed Limitation Function	Manually set (accurate to 5km/h)

Seat Belt Reminder

3 Pts

Applies To	All seats		
	Driver Seat	front passenger(s)	rear passenger(s)
Warning			
Visual	●	●	●
Audible	●	●	●


Pass
 Fail
 Not available

 SAFETY ASSIST

Total 6.4 Pts / 53%

AEB Interurban

1.9 Pts

System Name	Active Brake Assist	
Type	Forward Collision Warning with Auto-Brake	
Operational From	10 Km/h	
Additional Information	Default On; Supplementary Warning	
PERFORMANCE 		
Operational Speed	10-80 Km/h	10-80 Km/h
	Autobrake Function Only	Driver reacts to warning
Approaching a stationary car	See AEB City	Crash avoided up to 45km/h. Crash speed reduced up to 60km/h.
Approaching a slower moving car	Crash speed reduced up to 70km/h.	Crash speed reduced up to 80km/h.
FOLLOWING A CAR AT SHORT DISTANCE		
Car in front brakes gently	Mitigation	Mitigation
Car in front brakes harshly	Mitigation	No reaction
FOLLOWING A CAR AT LONG DISTANCE		
Car in front brakes gently	Mitigation	Mitigation
Car in front brakes harshly	Mitigation	Mitigation

Comments

A driver-set speed limiter and a seatbelt reminder for the front and rear seats are fitted as standard. Also standard is the autonomous emergency braking system. Tests of this system at highway speeds demonstrated adequate performance. A lane assistance system is available as an option but is not included in this assessment.

RATING VALIDITY

Variants of Model Range

Body Type	Engine & Transmission	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
2 door cabriolet	2.2 diesel	C 220 d Cabrio*	4 x 2	✓	✓
2 door cabriolet	2.2 diesel	C 220 d 4MATIC Cabrio	4 x 4	✗	✗
2 door cabriolet	2.5 diesel	C 250 d Cabrio	4 x 2	✓	✓
2 door cabriolet	1.8 petrol	C 180 Cabrio	4 x 2	✓	✓
2 door cabriolet	2.0 petrol	C 200 Cabrio	4 x 2	✓	✓
2 door cabriolet	2.0 petrol	C 200 4MATIC Cabrio	4 x 4	✗	✗
2 door cabriolet	2.5 petrol	C 250 Cabrio	4 x 2	✓	✓
2 door cabriolet	3.0 petrol	C 300 Cabrio	4 x 2	✓	✓
2 door cabriolet	4.0 petrol	C400 4MATIC Cabrio	4 x 4	✓	✓

* Tested variant

Annual Reviews and Facelifts

Date
Event
Outcome
September 2017
Rating Published

2017 ★★★★★

