Mercedes-Benz C-Class
Mercedes-Benz C-Class C220 'Avantgarde', LHD

**SAFETY EQUIPMENT**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frontal airbags</td>
<td>Driver (Dual Stage), Passenger (Dual Stage)</td>
</tr>
<tr>
<td>Pre-tensioners</td>
<td>Driver (single), Passenger (single), Rear (outboard seats)</td>
</tr>
<tr>
<td>Load-limiters</td>
<td>Driver, Passenger, Rear (outboard seats)</td>
</tr>
<tr>
<td>Knee airbags</td>
<td>Driver</td>
</tr>
<tr>
<td>Side airbags</td>
<td>Head (front and rear), Thorax (combined with pelvis), Pelvis</td>
</tr>
<tr>
<td>Front head restraints</td>
<td>Passive</td>
</tr>
<tr>
<td>Passenger airbag switch</td>
<td>Automatic switch</td>
</tr>
<tr>
<td>ISOFIX anchorages</td>
<td>Rear outboard seats</td>
</tr>
<tr>
<td>Integrated child restraint</td>
<td>None</td>
</tr>
<tr>
<td>Active Pedestrian Protection</td>
<td>deployable bonnet, Standard</td>
</tr>
<tr>
<td>Seatbelt Reminder</td>
<td>Driver, Passenger, Rear</td>
</tr>
<tr>
<td>Electronic Stability Control</td>
<td>ESP, Standard, Manual Switch</td>
</tr>
<tr>
<td>Speed Assistance Systems</td>
<td>Driver-set speed limitation, Optional (meeting fitment requirements)</td>
</tr>
<tr>
<td>Lane Support</td>
<td>Lane Departure Warning and Assist, Optional (not meeting fitment requirements)</td>
</tr>
<tr>
<td>Autonomous Braking</td>
<td>Collision Prevention Assist PLUS, City and Inter-Urban (Auto-Brake and Forward Collision Warning) system, Standard</td>
</tr>
<tr>
<td>Other</td>
<td>Attention Assist - fatigue warning (Standard); Traffic Sign Assist (Optional); Active Blind Spot Assist (Optional)</td>
</tr>
</tbody>
</table>

Safety equipment is standard across the model range unless stated otherwise
CRASH TEST PERFORMANCE

FRONT OFFSET 15,5 pts

Driver airbag contact stable
Passenger airbag contact stable

CHEST
Passenger compartment stable
Windscreen Pillar rearward 2mm
Steering wheel rearward none
Steering wheel upward none
Chest contact with steering wheel none

UPPER LEGS, KNEES AND PELVIS
Stiff structures in dashboard none
Concentrated loads on knees none

LOWER LEGS AND FEET
Footwell Collapse none
Rearward pedal movement Brake - 31.8mm
Upward pedal movement Brake - 2.2mm

SIDE
Head protection airbag Yes
Chest protection airbag Yes

WHIPLASH PROTECTION

FRONT, REAR SEATS 2,1 pts

Seat description Standard cloth and artificial leather, 6 way, semi-electric
Head restraint type Passive
Front geometric assessment 2 pts

AEB CITY 2,8 pts
System name Collision Prevention Assist PLUS
Fitment Standard
CHILD OCCUPANT

CRASH TEST PERFORMANCE

18 MONTH OLD CHILD

Restraint: Römer BabySafe + ISOFIX Base
Facing: rearward facing
Installation: ISOFIX and SupportLeg

PERFORMANCE: 12 pts

FRONTAL IMPACT

Head forward movement: protected
Head acceleration: good
Chest load: good

SIDE IMPACT

Head containment: protected
Head acceleration: good

3 YEAR OLD CHILD

Restraint: Römer Duo Plus
Facing: forward facing
Installation: ISOFIX and TopTether

PERFORMANCE: 8.6 pts

FRONTAL IMPACT

Head forward movement: protected
Head acceleration: good
Chest load: fair

SIDE IMPACT

Head containment: protected
Head acceleration: good

CHILD SAFETY FEATURES AND CRS INSTALLATION CHECK

Isofix

Safety features score: 9 pts
Installation check score: 12 pts

Pass: Install without problem
Partial Fail: Install with care
Fail: Safety critical problem
Exempt: Installation not allowed

<table>
<thead>
<tr>
<th>SEAT POSITION</th>
<th>FRONT</th>
<th>2nd ROW</th>
<th>3rd ROW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CENTER</td>
<td>RIGHT</td>
<td>LEFT</td>
</tr>
<tr>
<td>Maxi Cosi CabrioFix (Seatbelt)</td>
<td>N/A</td>
<td>Pass</td>
<td>Pass</td>
</tr>
<tr>
<td>Römer King Plus (Seatbelt)</td>
<td>N/A</td>
<td>Pass</td>
<td>Pass</td>
</tr>
<tr>
<td>Römer Duo Plus (ISOFIX)</td>
<td>N/A</td>
<td>Exempt</td>
<td>Pass</td>
</tr>
<tr>
<td>Römer KidFix (Seatbelt)</td>
<td>N/A</td>
<td>Exempt</td>
<td>Pass</td>
</tr>
<tr>
<td>Maxi Cosi CabrioFix and EasyFix (Seatbelt)</td>
<td>N/A</td>
<td>Exempt</td>
<td>Pass</td>
</tr>
<tr>
<td>Maxi Cosi CabrioFix and EasyFix (ISOFIX)</td>
<td>N/A</td>
<td>Exempt</td>
<td>Pass</td>
</tr>
<tr>
<td>BeSafe iZi Kid X3 ISOFIX (ISOFIX)</td>
<td>N/A</td>
<td>Exempt</td>
<td>Pass</td>
</tr>
<tr>
<td>Maxi Cosi Pearl and Familyfix (ISOFIX)</td>
<td>N/A</td>
<td>Exempt</td>
<td>Pass</td>
</tr>
<tr>
<td>Römer KidFix (ISOFIX)</td>
<td>N/A</td>
<td>Exempt</td>
<td>Pass</td>
</tr>
<tr>
<td>Römer BabySafe + ISOFIX Base (ISOFIX)</td>
<td>N/A</td>
<td>Exempt</td>
<td>Pass</td>
</tr>
<tr>
<td>Römer Duo Plus (ISOFIX)</td>
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SAFETY ASSIST

SPEED ASSISTANCE SYSTEM 1,3 pts

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

SEATBELT REMINDER 3 pts
- driver and passenger Pass
- rear Pass

LANE SUPPORT SYSTEMS 0 pts

MEETS REQUIREMENTS

AEB INTERURBAN SYSTEMS 1,8 pts

APPROACHING A STATIONARY VEHICLE
Approaching speed (km/h) 10 20 30 40 50 60 70 80

Auto brake
Forward collision warning

APPROACHING A SLOW MOVING VEHICLE
Approaching speed (km/h) 10 20 30 40 50 60 70 80

Auto brake
Forward collision warning

APPROACHING A BRAKING VEHICLE WITH SHORT HEADWAY
Leading vehicle braking Gentle (2 m/s²) Abrupt (6 m/s²)

Auto brake
Forward collision warning

APPROACHING A BRAKING VEHICLE WITH LONG HEADWAY
Leading vehicle braking Gentle (2 m/s²) Abrupt (6 m/s²)

Auto brake
Forward collision warning

SAFETY ASSIST

Total 9 pts | 70%
Based on dummy readings in the dynamic tests, the C-Class scored maximum points for its protection of the 1 year infant. Forward movement of the head of the 3 year dummy, sat in a forward-facing restraint, was not excessive. However, chest loads indicated marginal level of protection for this part of the body, and neck forces were also high. In the side impact, dummy readings of rib compression indicated a marginal level of protection for this part of the body. The protection offered by the front seats against whiplash injury in a rear-impact was good but a geometric assessment of the rear head restraints revealed a marginal level of protection.

**Child occupant**

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**Pedestrian**

Nearly all of the tests performed on the bumper revealed a good level of protection being offered to pedestrians’ legs. However, the front edge of the bonnet was poor in almost all tested areas and scored very few points. The C-Class has an ‘active’ bonnet for improved head protection. When an impact with a pedestrian is detected, actuators lift the bonnet, creating more space between it and the hard structures in the engine bay. Mercedes-Benz showed that the system worked robustly for pedestrians of different statures and at a wide range of speeds, so the system was tested in the deployed position. Results were good in almost all of the areas tested.

**Safety assist**
The C-Class has a seatbelt reminder system for the front and rear seats which met Euro NCAP's requirements. Electronic stability control is also standard equipment. A driver-set speed limitation device is optional but is expected to be fitted to most of the cars sold so was included in the assessment. The system met Euro NCAP's requirements for systems of this type. Collision Prevention Assist PLUS®, fitted as standard equipment, is an autonomous braking system that works at low speeds typical of city driving and at higher speeds, typical of the open road. The system was effective at avoiding collisions up to certain speeds and mitigating them (lowering the severity of the impact) at higher speeds. 'Lane Departure Warning' is also available on the C-Class as an option, as is an active system to help keep the driver in the lane ('Lane Departure Protection'), but these did not meet Euro NCAP's fitment criteria for inclusion in the assessment.