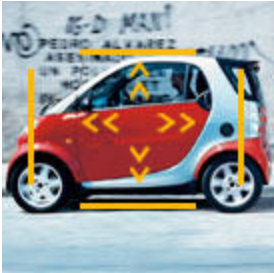



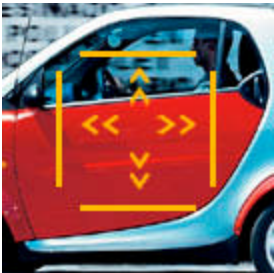


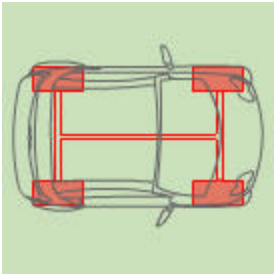
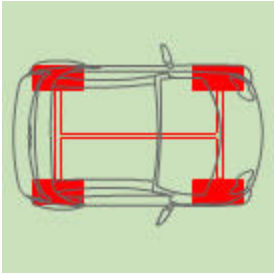
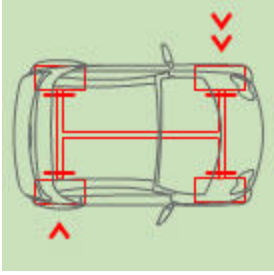
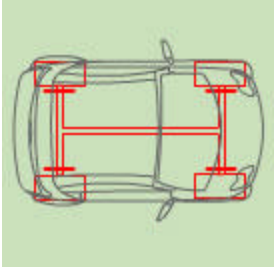
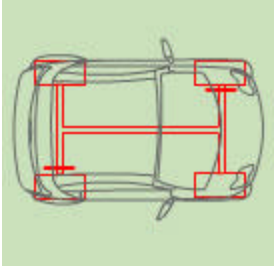
Outstanding protection factor: The design of the smart fortwo coupé

The tridion safety cell and the crash management system offer you excellent all-around passive protection. You're always on the sunny side when it comes to safety.

	<p>The tridion safety cell</p> <p>Just like a nut is protected by its hard shell, the tridion safety cell keeps its precious contents safe from harm. The steel housing is further reinforced with high-strength steel at strategic points. The tridion's longitudinal and transverse members activate the crumple zone of the other vehicle and distribute the impact energy evenly over the safety cell.</p>
	<p>Sandwich construction</p> <p>Sitting higher means staying on top in tricky situations. Thanks to the sandwich-type construction and raised seat position, the passengers are usually outside the direct danger zone in the event of side impact. And the driver enjoys a significantly better view.</p>
	<p>The crash boxes</p> <p>The smart fortwo coupé has two crash boxes. The front box is reinforced with transverse members and slip tubes, while the rear box has an aluminium support. These parts and the body panels shrug off knocks at up to 3 km/h with virtually no sign of damage. In a collision up to approximately 15 km/h, they serve a crumple zones and prevent the tridion safety cell from being damaged. The damaged parts can be quickly replaced. The materials used on both the interior and the exterior are shatterproof. In the event of a crash, the fuel supply will be stopped and the central locking system will automatically unlock.</p>
	<p>The wheel as a buffer</p> <p>smart has reinvented the wheel as a safety element. In the event of a side impact, the compactness of the smart fortwo coupé is a great advantage. Thanks to the ultra-short wheelbase, the other car will almost always hit a wheel with the suspension behind it. In the event of a head-on collision, the front wheel is stayed on the longitudinal member, which helps absorb the impact energy. In the Euro NCAP crash tests, the passenger cell remained rigid even at an impact speed of 64 km/h against a deformable barrier, allowing both doors to be opened easily.</p>
	<p>Doors</p> <p>Side impact protection consisting of aluminium profiles in the doors ensure all-round protection for the passengers.</p>

Active safety

Before the tridion safety cell and the crash management system have a chance to prove what they're made of, the active damage prevention features take effect and prevent unexpected driving situations.

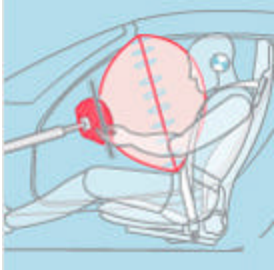
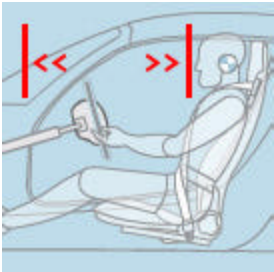

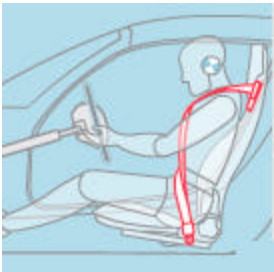
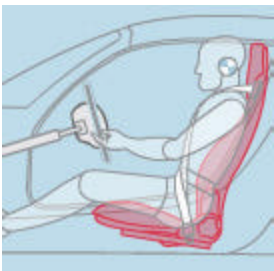
	<p>ESP: Electronic Stability Program</p> <p>All models of smart fortwo are equipped with ESP as a standard feature. No other vehicle in the micro-compact segment offers this system as standard. The ESP sensors immediately sound the alarm when your car is in danger of swerving and recognize dangerous situations in good time. ESP brakes individual wheels and/or reduces excess engine power in order to stabilize the car.</p>
	<p>ABS: Antilock Braking System with Electronic Brake Force Distribution</p> <p>ABS prevents the wheels from locking during emergency braking. This ensures that the vehicle remains steerable, regardless of how heavily the brakes are applied, and that the car does not swerve even on varying road surfaces. The EBD, between the front and the rear axle, optimizes the ABS enabling you to steer to safety.</p>
	<p>CBC: Cornering Brake Control</p> <p>There is a varying load on the wheels when cornering. If you brake in a bend, CBC ensures optimal distribution of the brake force over the wheels, keeping your smart fortwo coupé on track.</p>
	<p>Brake Assist</p> <p>If you don't step on the brake soon enough, Brake Assist automatically initiates controlled emergency braking and generates the high braking pressure necessary for ABS control. Brake Assist can potentially reduce stopping distances when it matters the most.</p>
	<p>ASR: Acceleration Slip Control</p> <p>If the drive-wheels are at risk of spinning on slippery terrain, ASR prevents loss of traction by braking the wheel with the most traction slip. This is equivalent to the function of a differential lock. ETC (Engine Torque Control) prevents instability when downshifting on slippery roads by slight, automatic acceleration or disengaging the clutch. ASR senses drive-wheel slip and individually brakes the slipping wheel or wheels until control is regained.</p>

**HSA (Automatic Hill Start Assist)**

With HSA, you'll never have to apply the handbrake again when pulling away on a slope. After lifting your foot from the brake pedal, the wheels remain braked for 0.7 seconds. This gives you enough time to move your foot to the accelerator without the car rolling backwards.

Passive safety

A high seating position gives you a commanding view of the road. The seats have a firm and robust feel so you're not just comfortable, you're safe in your seat.

	<p>Air bags</p> <p>All smart fortwo models come standard with full-size driver and passenger air bags. For added safety, side air bags are also available as an option.</p>
	<p>Internal safety distance</p> <p>You sit well-back in the car, distanced from the perils ahead.</p>
	<p>Collapsible steering column</p> <p>In the event of a front impact, the steering column retracts telescopically keeping you out of harm's way.</p>
	<p>Seat-belt Emergency Tensioning Devices and belt force limiters</p> <p>In a sufficiently severe impact, Emergency Tensioning Devices help reduce slack in a matter of a few milliseconds. Belt force limiters help reduce peak acceleration forces on belted occupants. In addition, the air bags and knee protectors cushion the impact on the passengers as effectively as possible.</p>
	<p>Safety seats with integral seat-belts</p> <p>You don't just sit comfortably in a smart fortwo, you're also well protected. The safety seats with integral seat-belts include a modular metal structure. The head restraints are integral elements of the safety seats and are always in place to offer maximum protection.</p>