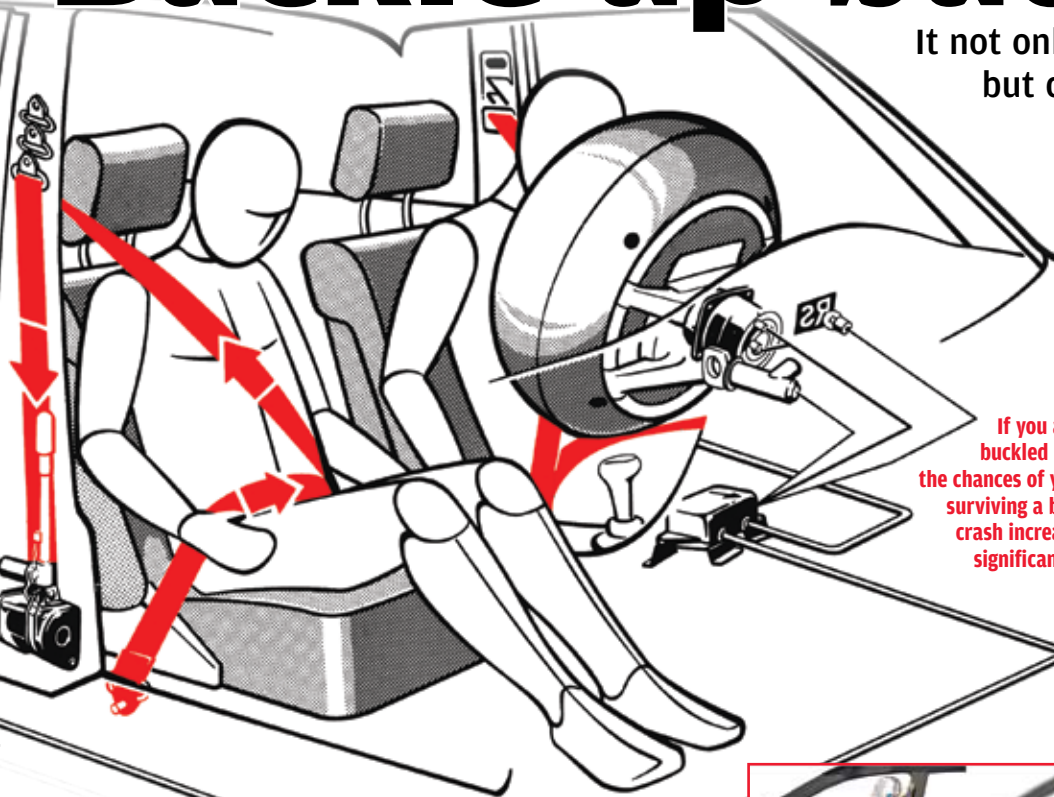


Buckle up buddy

It not only saves you from a fine, but can also save your life in case of a crash



If you are buckled up, the chances of you surviving a bad crash increase significantly



Nils Bohlin was the one who invented the three-point belt first introduced in Volvos

Time and again we have seen that people refuse to wear seat belts and only do so when there's a cop in the vicinity. Even in such a situation, some just pull the belt to their chests so that the cop can be fooled into believing.

But seat belts are life savers and so here's a low down on how these belts are actually responsible in saving your life in case of a crash.

Most seat belts are equipped with locking mechanisms that tighten the belt when pulled fast or in urgency much like at times of a frontal impact. This is implemented with a centrifugal clutch, which engages as the reel spins quickly. However when

you pull it slowly it comes out easily.

With the advent of technology, seatbelts too have become tech-savvy. These now have pretensioners which tighten the belt to prevent the occupant from



Child seats lock onto regular seat belts



First the impact sensors send a message to the belt modules which quickly trigger the pretensioners that pull the passenger backward

jerking forward in a crash. In the event of a crash, a pretensioner will take a fraction of a second to tighten the belt. Pretensioners are triggered by sensors in the car's body, and most use explosively expanding gas to drive a piston that retracts the belt.

The other new technology in seat belts is the webclamp. The length of the belt is looped inside a chamber and the webclamp in an event of emergency clamps the webbing inside so that the passenger can be held back at his position.

It is not only adults, but in many places across the globe child seats have to be secured with the belts so that the seat doesn't catapult forward in case of a crash.

Manufacturers also provide many a gadget to make sure that you wear belts. The first happens to be a shrill chime which goes off on the basis of a sensor under seat. Second is a device which wouldn't allow the car to crank unless passengers are buckled up.

Rahul Ghosh

You can enjoy power better when your 60-0 can outdo your 0-60.

 APOLLO TYRES
Safe drive
CHECK . SET . GO