

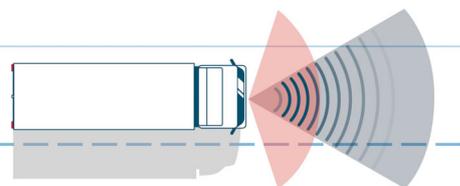
# DO YOU KNOW ABOUT **AEBS**?



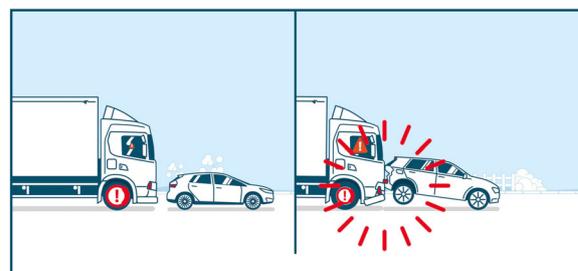
Your trucks are probably fitted with something called **AEBS**, which stands for **Advanced Emergency Braking System**

It is a driver assistance system that, by law, has had to be fitted as standard equipment to most new HGVs since 2015. Its purpose is to warn the driver if it senses that the truck is about to run into the back of other traffic and then apply the brakes to reduce the impact if the truck driver has failed to react in time. But, do you know...

- ...what type of system you have?
- ...how that system works?
- ...the capabilities of the system?



AEBS is designed to avoid a collision if possible, and lessen the impact if a collision is unavoidable, there are a number of limitations to the systems that drivers and operators need to be aware of.

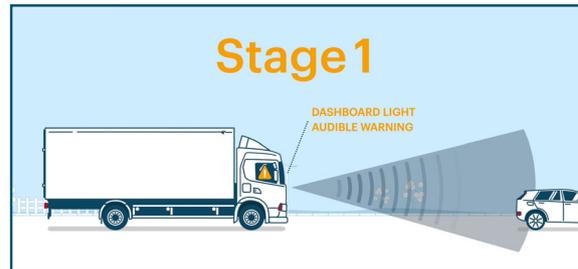


Not all systems are the same, and there are variations between the systems fitted by different manufacturers. All of them have a RADAR looking far ahead while some systems also feature forward-facing cameras in addition to RADAR sensors.

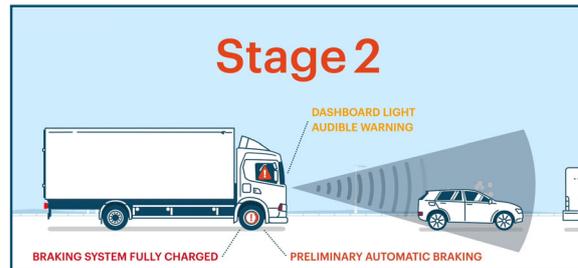
## STAGES OF OPERATION

AEBS operates in three stages with each stage only initiating if the driver has failed to intervene and the potential for collision remains.

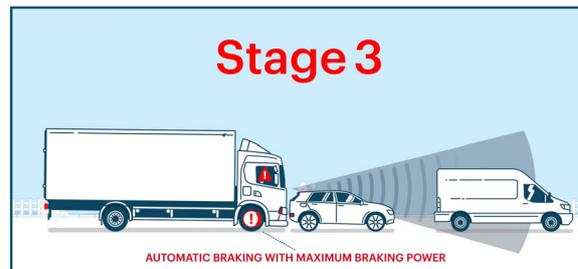
Stage 1 is an audio-visual warning on the dashboard if the system spots that the truck is getting too close to slowing traffic in front.



If the driver fails to respond to the audio-visual warning then stage 2 initiates. This is a gentle application of the brakes to grab the driver's attention. The system also charges the braking system in readiness for full application.

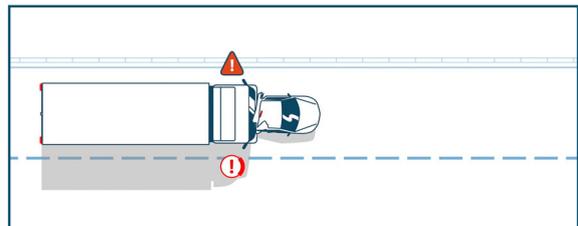


If the driver still fails to respond and the system detects that a collision is imminent then the brakes are applied using the full force of the system, braking harder than the driver would be able to do on their own, and bringing the vehicle to a halt.

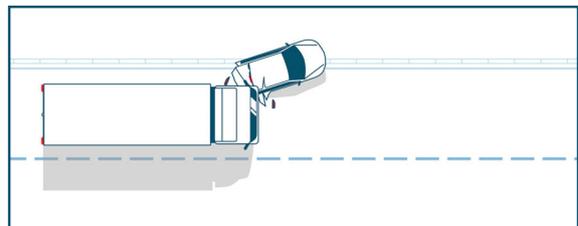


**CAPABILITIES** Drivers and operators need to fully understand the system capabilities:

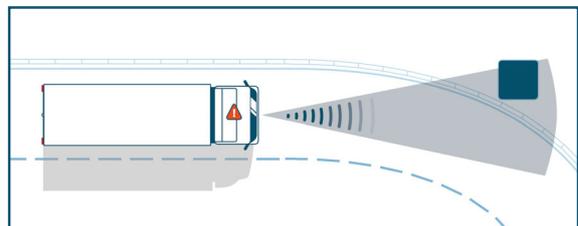
If the speed differential between the HGV and the vehicle in front is too great, then a collision may be unavoidable although the system will seek to reduce the impact speed.



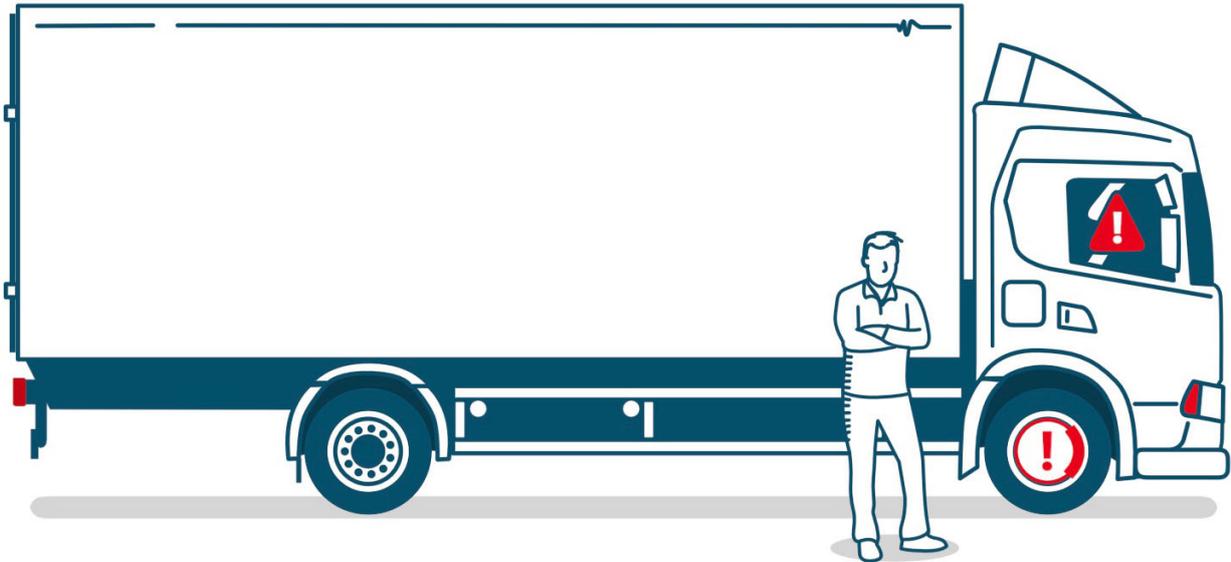
By law, systems are designed to avoid collisions with vehicles directly in the path of the HGV so a vehicle parked at the side of the road, partially in the truck's path, may not be 'seen' and fail to trigger the system.



Some systems – especially those systems without additional input from cameras – may occasionally be triggered unexpectedly by road features.



## TIPS FOR TRANSPORT MANAGERS



- Remember that managing occupational road risk is an important part of your responsibilities under health and safety at work legislation.
- Faulty systems, or knowledge of drivers deactivating their systems, could increase the culpability of the organization and its management.
- Ensure your drivers are fully aware of what AEBS is, how it works, its capabilities and its limitations.
- Include this in driver induction training, and at periodic intervals as systems evolve or incident history indicates a need for further training.
- Make sure any temporary and/or agency drivers are included in this training.
- Your drivers should be required to report any initiations of the system, including alarms as well as full emergency braking, along with any instances where the system was deactivated along with the justification for doing so. Make sure you record these instances.
- It is difficult for deactivations or initiations to be reported by telematics. Encourage your telematics providers and vehicle manufacturers to make this data feed available.
- **Remember, if you can't measure what's happening, you can't manage it.**

National Highways and Driving for Better Business have created a series of short videos to help you understand AEBS and keep you and your trucks safe.

**Simply scan the QR code to watch the videos** →

**SCAN ME**



**TO WATCH**



[www.drivingforbetterbusiness.com/AEBS](http://www.drivingforbetterbusiness.com/AEBS)