

## Corus safety barrier systems

### The ABC end terminal

The ABC Terminal is a steel post, **energy absorbing** terminal for use with corrugated beam safety barriers. It has proven use on UK and European highways as a **robust and competitive** end terminal solution for areas where there is an increased risk of vehicle impact.

#### Key Benefits

- P4 Class End Terminal, also suitable for non-trunk road applications
- 110km/h, 100km/h and 80km/h performance
- Fully satisfies the CEN criteria described in ENV 1317-4
- Minimal ground disruption during impact – easy to repair
- Compact transportation & simple, fast installation
- Self anchoring against tensioned barrier systems
- Transition to Open Box Beam also available

#### General specifications

The steel 'directional' breakaway posts are designed to shear away from the ground driven 'I' sections, minimising ground disturbance. Energy absorption is achieved through friction and deformation as the rail sections slide rearwards.

The ABC terminal is designed to be easily transported to site. One complete unit, weighing approximately 600kg, can fit onto a standard pallet for transportation on a small works vehicle.

Typical installation time is two hours for a three man crew using standard safety barrier installation equipment. The installed length of the 110km/h system is 12.36 metres.



# QuadGuard® CEN crash cushion

QuadGuard® CEN provides **exceptional** crash cushion **performance** for today's highway safety requirements.

Quadguard CEN is designed to protect motorists in vehicles from 900 kg to 1500 kg from narrow and wide roadside hazards.

Crash cushions are available in three lengths (5.2m, 6.1m and 8m) to match the special needs of most sites, as well as five different widths, ranging from 610mm to 2285mm.

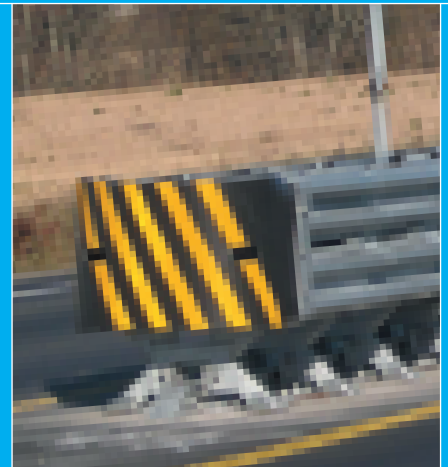
The QuadGuard CEN System has been tested in Europe as a re-directive crash cushion to the maximum speed of 110 km/h, in compliance with EN1317-3. To fully comply with the definition of a system type tested crash cushion, the QuadGuard CEN Family has been further tested at 100 km/h and 80 km/h.

## Safe containment and redirection of a wide range of vehicles

During head-on impacts at speeds up to 110 km/h, the QuadGuard CEN System telescopes rearward, crushing the cartridges and effectively dissipating the energy of both light cars (900kg) and large cars(1500kg). During angle impacts at angles up to 15 degrees, the vehicles are safely redirected back into the original travel path.

## Quick and easy refurbishment

After a design impact, the QuadGuard CEN System can be quickly and easily refurbished by a two man team. The majority of the components typically are reusable after a design impact.



For further information contact our Corus Construction and Engineering Products safety barrier sales team at:

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**Corus driving safety forward.**