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ENERGY ABSORBING BOLLARDS-EAB

ASE's patented Energy Absorbing Bollards (EAB) are designed, developed and manufactured in Australia. ASE's EAB's provide protection to people and buildings from out-of-control vehicles, partially absorb vehicle impact and reduces serious injuries.

There are some big differences between highway barriers and EABs, and the major ones are:

- EAB test impact is <60km/h due to the use in metropolitan areas. Whereas highway barriers should be tested from 50km/h to 100km/h as they are predominantly fitted in country areas.
- EAB's must have limited deformation, with intrusion into the protected area <700mm to be practical and acceptable. A highway barrier's maximum deformation is often 6m or more to ensure a gradual ride down.
- EAB's test vehicle mass should be a passenger vehicle between 820kg and 1200kg mass while the highway barriers should be tested with up to 36,000kg trucks and semi trailers. EAB's, due to their limited deformation should be designed to reduce severity of injuries in comparison with fixed objects such as poles, trees, shop walls, etc.

ASE's bollards are suitable for use in any area where people and/or property are at risk of being struck by an out-of-control vehicle and are commonly used to protect: patrons, child play areas such as child care centres, playgrounds, schools and places where pedestrians are in close proximity to moving vehicles.

ASE's Energy Absorbing Bollards can be designed to suit your specific requirements. Polyethylene covers can be provided in any shape or colour to provide style, elegance, and maintenance-free bollards. These covers can be tailored to blend with or enhance the appearance of the adjacent area, ensuring the installation of our bollards improves safety without compromising the aesthetics of their surroundings.

The EAB's are rigorously tested, 10-times stronger than crash bollards currently in use, capable of restraining a 1600kg vehicle travelling at up to 60km/h and available in a range of colours and shapes.

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