Energy Absorbing Bollards are Non Redirective Crash Attenuators designed to SAVE LIVES.

TL0 rated - EAB’s are engineered to arrest a 1600kg errant Motor Vehicle travelling at 60 kph and prevent it from entering a “no go” zone.

Protects Outdoor Diners, Pedestrians, Assets and Infrastructure.

A patented CARTRIDGE absorbs energy, safely decelerating the vehicle and thus protecting the occupants.

Provides a protective barrier without restricting pedestrian access.

For further information please contact Roadside Services & Solutions  VIC (03) 9722 9101 SA (08) 8258 3099 NT 0418 471 426  NSW 0429 461 943
IMPACT ANALYSIS

VEHICLE FRONTAL IMPACT INTO NON DEFORMING BARRIER/BOLLARD

Typical frontal impact kinematics of a vehicle involved in a collision with a solid object, like a Stobie Pole or Non Deforming Bollard the vehicle’s rear axle lifts, while the front axle gets pushed down due to the inertial forces and position of the centre of gravity of the vehicle. Due to this rotation the front vehicle passengers get “pushed” towards the steering wheel and the dashboard, which often results in severe head and neck injuries or fatality.

VEHICLE FRONTAL IMPACT INTO ENERGY ABSORBING BOLLARD (EAB)

The frontal impact kinematics into an energy absorbing bollard EAB is quite different from the kinematics of the vehicle impacting a solid barrier or another vehicle. The vehicle’s front axle lifts up following the deformation of the EAB. Due to this rotation the front vehicle passengers get “lifted” up and get pushed away from the steering wheel and the dashboard.

This will significantly reduce their injuries and risk of fatality.

RSS EAB - Installation Weights and Dimension

<table>
<thead>
<tr>
<th></th>
<th>Bollard, Cartridge &amp; Reo Cage</th>
<th>Bollard Only</th>
<th>Cartridge Only</th>
<th>Reo Cage Only</th>
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</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>450mm</td>
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<td>355.6mm</td>
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<tr>
<td>Length</td>
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<td>800mm</td>
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<tr>
<td>Weight</td>
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<td>67.5kg</td>
<td>28.5kg</td>
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