

# RAPTOR™



## MASH TL-1 BI-DIRECTIONAL CRASH CUSHION

RAPTOR™ is a safety device aimed at reducing the severity of errant vehicle impacts with utility poles, trees or other single point hazards.

RAPTOR™ significantly reduces the severity of vehicle impacts while offering exceptional vehicle control. Meets MASH TL-1 (2,270kg pickup, 50kph head-on) criteria for non-redirective crash cushions.

- Cost effective protection for single point hazards.
- No debris scatter during impact.
- Meets MASH TL-1 (2,270kg pick- up, 50kph head-on impact).
- Easily installed requiring minimal maintenance.

A utility pole (or a tree) offers no energy absorption during a head on impact; consequently the occupants and vehicle will absorb all the impact energy being released from a vehicle decelerating to a halt in a fraction of a second.

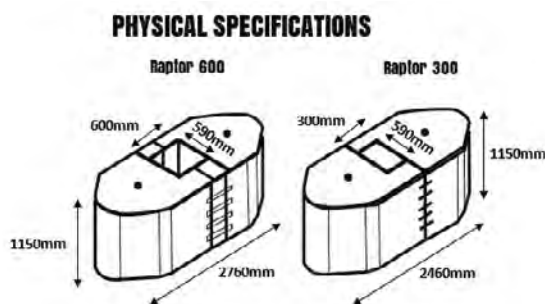
The consequences are quite obvious.

Approximately 30% of the run-off-road fatalities involve severe impacts with hard objects such as poles and trees. The cost of removing these hazards can be prohibitive as it may involve re-layout of the road itself; as a consequence these hazards are often left unattended until a serious accident occurs.

The RAPTOR™ non-redirective crash cushion is a safety device purposely aimed to reduce the impact severity of errant vehicles with single point hazards.

Its exceptional vehicular control and energy absorbing capabilities during end- on impacts makes the RAPTOR™ roadway safety product an ideal solution for utility pole or tree protection.

Due to its simplistic design, installation and repairs can be done in under 30 minutes, promptly re-establishing roadway safety.



## Technical Specification

Overall Length: 2460mm | 2760mm

Height: 1050mm

Width: 1150mm

Weight (per shell): 110kg

Weight (per packet): 12kg

Void size width: 590mm

Void size length: 300mm | 600mm

## Features & Benefits

- Exceptional vehicular control and energy absorbing capabilities during end-on and offset impacts makes the RAPTOR™ an ideal solution for poles, trees or other single point hazards, meeting MASH test criteria (TL-1). Demonstrable benefits at higher speeds.
- RAPTOR'S™ compact size makes it suitable for reducing the risk created by a hazard where there is not enough space for other solutions. Bi-directional protection.
- Easy installation in under 30 minutes with two sizes available to comfortably fit a range of widths. Quickly reducing risk and establishing safety.
- After a collision, the non impacted side can still be re-used; keeping maintenance costs and inventory levels down. The damaged pieces are fully recyclable.
- The RAPTOR™ is UV stabilised and it typically requires zero maintenance with an expected life span of 25 years. Suitable for the harsh Middle Eastern environment and providing safety on a budget.
- The RAPTOR'S™ smooth surface and geometry is suitable for vulnerable road users. Keeping Pedestrians and cyclists safer in towns and cities.
- No foundation or securing is required to install the RAPTOR™ - keeping installation times and costs down.

## Specification

- Shells and cartridges - stabilised PE (UV8).
- Fully galvanised steel connector and fixings.
- Available in a range of colours, typically black or yellow.
- Fire and vandal resistant.
- Two sizes available to suit hazard diameter.
- No Foundation required.
- 300-600mm void widths available.
- Meets MASH TL-1 2,270kg pickup, 50kph head-on) criteria for non-redirective crash cushions.