



# SCORPION II TL-3 TRUCK MOUNTED ATTENUATOR

A1 Roadlines is proud to introduce to Australia the Scorpion II TL-3 Truck Mounted Attenuator (TMA) from Traffix Devices. Developed in response to the updated MASH (Manual for Assessing Safety Hardware) testing and assessment guidelines, the Scorpion II is the world's first Truck Mounted Attenuator tested, passed and eligible for MASH TL-3 (tested at 100kph).

The Scorpion II TMA combines all of the benefits of the original unit, while also integrating some new design modifications.

The Scorpion II TMA consists of strut and cartridge sections that are linked together on a support frame. This open cartridge design reduces wind resistance and increases fuel efficiency when deployed on the job site and when traveling at highway speeds. Each energy absorbing cushion has an Aluminum honeycomb core that is enclosed by an aluminum powder coated box module that provides maximum durability and longevity.



When impacted, the Scorpion's modular design crushes in progressive stages, which reduces the impact forces on the vehicles' occupants and results in lower repair costs and easy parts replacement. The curved side rails are made from corrosion resistant aluminum tubes and offer full-width impact protection along the entire length of the Scorpion II by safely redirecting the impacting vehicle away from the deadly "coffin corners" at the rear of the truck. Unlike the Scorpion II, most other manufacturers' Crash Attenuator models have little or no side-angle impact protection.

Unlike some other units which can measure up to 5.8m in length, the Scorpion II TMA is only 4.225m in length when fully deployed, giving it the shortest overall length of any MASH Eligible Truck Mounted Attenuator on the market. This shorter length reduces incidental impacts and repair costs while still providing the outstanding safety and reliability you have come to expect from the Scorpion line of crash attenuators.

**THE EQUIPMENT YOU NEED – THE SERVICE YOU EXPECT**

## SIGNIFICANT CHANGES BETWEEN NCHRP 350 AND MASH

	NCHRP 350	MASH
Small car test vehicle	820C vehicle (1,800 lbs / 820kg)	1100 vehicle (2,420 lbs / 1100kg)
Small car impact angle	20	25
Light truck test vehicle	2000P (4,400 lbs / 2000kg)	2270P (5,000 lbs / 2270kg)
Gating terminals and crash cushion impact angle	15	5 - 15
Support structure and work zone traffic control device testing	Only small car tested	Small car and light truck tested
Windshield damage criteria	Subjective/Qualitative	Objective/Quantitative
Vehicle rebound in crash cushion tests	None	Required

### Custom-Built Trucks

A1 Roadlines specialises in the manufacture of TMA trucks made to meet National & State Guidelines.

- 3mm steel checker plate floor with tie rails
- Type C Flashing Arrow Sign
- 3 Point Contact System
- In-Cabin Overhead Control Panel
- Beacons
- LED Warning Lights
- Work Lights
- Automatic Impact Braking System (AIB)
- Brigade Backeye Series Camera System & Mobile Digital Recorder
- UHF Radios
- Four Point Harness Seat Belt & Mounting System for Driver & Passenger
- Emergency Air Horn
- 5 Colour Variable Message Sign
- Customised Tool Boxes
- Traffic Management Version Tray



### SPECIFICATION

Weight	900kg
Length (From Back Of Vehicle)	
- Travel / Storage	785mm
- Deployed	4225mm
Width	2475mm
Height (From Ground)	
- Travel / Storage	3200mm
- Deployed (Ground Clearance)	305mm ± 25.4 mm



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