



Engineered Products for Safer Highways

IDEAL TMA FOR CITIES AND COUNTIES WITH POSTED SPEEDS OF 50 MPH (80 KPH) OR LESS

Scorpion II® Metro TL-2 Plus TMA MASH Tested, Passed

- Only MASH TL-2 Plus TMA tested and passed at 50 mph (80 kph)
- Scorpion II Metro is only 8 ft (2.44 m) long allowing for easy use in urban areas with tight turning radius
- MASH Tested & Passed with a host vehicle of 7,500 lbs (3,402 kg) so users can now get 50 mph (80 kph) protection with smaller host vehicles
- Infinite weight tested allowing for host vehicle curb weights of only 7,500 lbs. (3,402 kg) minimum with no maximum weight limit
- Stored vertical height of less than 10 ft (3.05 m) with lower pivot installation and 11.2 ft (3.4 m) with upper pivot installation
- Shortest TL-2 Plus, (50 mph/80 kph) MASH TMA
- Full width impact protection - safely protects and redirects the impacting vehicle away from the "coffin corner" area at the rear of the truck
- Curved Aluminum Tube Frame - exceptionally strong, providing protection against nuisance impacts with re-directional capacity along the entire length of the TMA
- Energy Absorbing Cushions - Aluminum honeycomb core, enclosed by aluminum powder coated modules providing maximum durability and longevity
- Modular Design - when impacted the Scorpion II Metro crushes in progressive stages, which results in lower repair costs and easy parts replacement
- Can be mounted on trucks as compact as F550





Scorpion II[®] METRO

TL-2 PLUS, 50 mph / 80 kph



Scorpion II Metro TL-2 Plus (50 mph/80 kph) Truck Mounted Attenuator

Specification

The Truck Mounted Attenuator (TMA) is a mobile crash cushion attached to the rear of a support vehicle's frame. The TMA may be used on moving shadow trucks, stationary block vehicles, or advanced warning vehicles upstream of a moving or stationary operation. The Metro TMA shall be tested, passed and eligible to MASH TL-2 Plus (50 mph / 80 kph). The TMA can be used on support vehicles with a min. actual/curb weight of 7,500 lbs (3,402 kg) with no upper weight limit (infinite weight). Lighting consists of LED brake, directional, signal and running lights for enhancement of advanced warning to drivers. The Metro TMA has an overall dimension of 8 ft (2.4 m) x 8.0 ft (2.4 m) x 2.0 ft (0.6 m) and has a ground clearance of 12 in ± 1 in (305 mm ± 25.4 mm) when deployed in the horizontal operating position. The Metro TMA consists of two (2) main components: Cartridge and backup/diaphragm frames. The Cartridge section is the energy attenuation component. The aluminum structural weldments bolt to a structural steel diaphragm/backup frame. Metro can be used with all existing Scorpion mounting systems (Standard Mount and Fast-Trak Mount). The Metro TMA can be vertically lifted in a single 90° fold position to the support vehicles bed with a stored height of less than 10 ft (3.0 m) with the low pivot mounting option or 11.2 ft (3.4 m) with the high pivot option. An optional hydraulic powered vertical lift can be utilized with the Metro TMA to deploy a display panel when the Metro TMA is lowered into the use position. The vertical lift is powered by the same onboard hydraulic system that raises the TMA into the stored and/or use position. The vertical lift is sequenced to raise and lower a panel for displaying advanced messages, directional indicators, or other notifications.

SCORPION II METRO	HIGH PIVOT	LOW PIVOT
Length of TMA:	7.75' (2.36m)	7.75' (2.36m)
Length from truck end:	8.83' (2.69m)	10.3' (3.15m)
Width:	8' (2.44m)	8' (2.44m)
Height:	11.2' (3.4m)	9.75' (2.97m)



Scorpion II[®] Metro TL-2 TMA Impacted by 5,000 lbs (2,268 kg) Pick-Up Truck