

TRAFFIX DEVICES INC.,

Positioning of Scorpion Truck Mounted Attenuators or Trailer Attenuators

Typical attenuator positioning for a work zone may have the host truck positioned as close as 30 feet to the work zone, or back 100 feet or more. Attenuator placement is site specific and condition dependant. Host vehicle weight, actual speed of the vehicles approaching the work zone, road conditions, and other factors should be considered in determining the placement of the host truck and attenuator.

Local road authorities are often the best informed on these variables, and can make the best recommendation for a specific site. Traffix Devices Inc. will always defer to the local road authority when determining proper positioning of a Scorpion Attenuator.

Measured forward roll, when impacted by a 2000 Kg pickup under TL-3 test conditions – 100kph, inline impact. The forward roll distances listed below are the measured distances recorded from actual impact tests. These tests of the Traffix Devices Scorpion Trailer Attenuator were performed by an independent test laboratory.

Host Truck weight	Impact vehicle	Speed	Measured Forward Roll Feet / Meters
10,000 pounds	2000kg	62mph	65feet / 20 meters
20,000 pounds	2000kg	62mph	12 feet / 3.7 meters
*Blocked host vehicle	2000kg	62mph	No Movement

*The blocked host vehicle simulates a host truck of infinite weight.

The intent of the chart above, is to convey the relationship between host truck weight and forward roll (under test conditions).

Attenuators must be positioned from the work zone to accommodate forward roll, yet close enough to minimize the chance of a vehicle driving around the attenuator and into the work zone.