



2011

QUADGUARD ELITE M10 WIDE 8-BAY



ENERGY ABSORPTION SYSTEMS, INC.

A TRINITY INDUSTRIES, INC. COMPANY

QM10090E

SHEET NO.

1 of 1

DATE:

7/7/2011

INTENDED USE

The QuadGuard® Elite M10 System is a member of the QuadGuard® Family designed to shield narrow or wide hazards. The QuadGuard® Elite M10 offers impact protection for both light and heavy vehicles. The system is intended to shield gore areas, bifurcations and rigid hazards such as bridge piers, tollbooths, and exposed ends of concrete barrier. The 8-Bay system is designed to safely dissipate the kinetic energy of errant passenger vehicles traveling at speeds up to 62 mph [100 km/h], (see *QuadGuard Elite M10 product literature for more detailed impact performance specifications.*)

When hit head-on, a series of cylinders, placed between rigid diaphragms and overlapping fender panels, compress. This action absorbs the kinetic energy from the impacting vehicle, bringing the vehicle to a controlled stop. When impacted along the side at an angle, the system redirects the vehicle away from the hazard and back into the flow of traffic.

During many impacts, most if not all components survive without damage. Two types of cylinders, the ME-1 and ME-2, are required, permitting convenient stocking of these easily replaceable elements. The QuadGuard® Elite M10 Wide 4-Bay system is available for head-on design speeds up to 62 mph [100 km/h], for hazards from 69 in. [1753 mm] to 90 in. [2286 mm] in width.

The QuadGuard® Elite M10 8-Bay Wide System has been FHWA accepted for the TL-3 MASH test matrix for both light cars and high center-of-gravity pickup trucks traveling at speeds up to 62 mph [100 km/h] at angles up to 25 degrees. System characteristics include;

- Non-gating
 - Redirecting
 - Non-pocketing
 - Bidirectional or Unidirectional Design
 - Reusable
- Length = 26 ft. 0in. [7.97 m]
Width = (standard) 69 in. [1753 mm] Min
(standard) 90 in. [2286 mm] Max
Speed = variable up to 62 mph [100 km/h]

APPROVALS

REFERENCES

CONTACT INFORMATION

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