QuadGuard® M10 Crash Cushion Data Sheet

MASH Compliant, Reusable Non-Gating Redirective Crash Cushion

Features & Benefits

- *Compliant to MASH TL3.*
- Self-supporting steel nose.
- Tension strut backup.
- Monorail guide stabilizers.
- Anchorage in concrete or asphalt.
- High strength Quad-Beam™ panels.
- Does not use anchoring chains or tension cables.
- Damaged cartridges are replaceable.
- Potentially reusable after an impact within MASH crash test standards.*

The QuadGuard® M10 is a redirective, non-gating crash cushion that consists of an engineered steel nose and crushable, energy absorbing cartridges surrounded by a framework of steel Quad-Beam™ panels. The system is tested to the Manual for Assessing Safety Hardware (MASH) Test Level 3. It can be used to shield fixed objects of 610 mm wide.

The QuadGuard® M10, as a member of the QuadGuard® family of crash cushions, consists of many of the same components as the original Test Level 3 QuadGuard® platform and framework in addition to an engineered steel nose and monorail shims.

The QuadGuard® M10 system utilises two types of cartridges in a "staged" configuration that are designed and tested to address vehicles as defined by MASH for both lighter cars and heavier, high centre-of-gravity vehicles.

During head-on impact testing within MASH criteria, the QuadGuard® M10 has been shown to telescope rearward to absorb the energy of impact. When impacted from the side, within the applicable MASH criteria, is has been shown to redirect the vehicle back towards its original travel path and away from the highway feature.

MASH TL2 COMPLIANT

MASH TL3 COMPLIANT

1	Monorail Base	4	Backup
2	Engineered Steel Nose	5	Cartridge
3	Telescoping Quad-Beam Fender Panel		
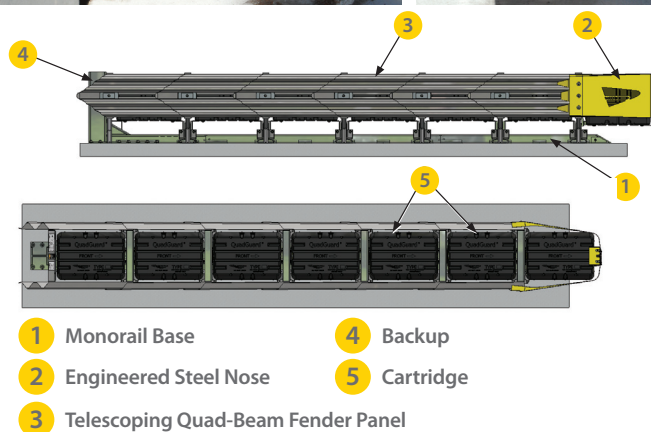
Specifications (Test Level 2 System)		MASH TL2 COMPLIANT
System Length	Effective Length	Pad Length
3.95m	3.50m	3.66m

Specifications (Test Level 3 System)		MASH TL3 COMPLIANT
System Length	Effective Length	System Width
6.71m	6.30m	610mm