

# QuadGuard®

CRASH CUSHIONS



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The QuadGuard® is a redirective, non-gating crash cushion that consists of crushable, energy absorbing cartridges surrounded by a framework of steel Quad-Beam™ panels. The system is tested to NCHRP Report 350 Test Level 1, Test Level 2, and Test Level 3. It can be used to shield fixed objects of 2' to 10'-6" wide (610 mm to 3,200 mm) while using less than 22' in length. Higher speed QuadGuard® crash cushion units are available.



## FEATURES

- Replaceable, energy absorbing cartridges.
- Self-supporting plastic nose.
- High strength Quad-Beam™ panels.
- Does not use anchoring chains or tension cables.
- Custom connections available.
- Systems available for various lengths, widths, and speeds.
- Compact, modular design (one to twelve bays) tested to speeds from 25 mph (40 km/h) to 75 mph (120 km/h).

## ASSEMBLY AND MAINTENANCE

- Damaged cartridges are replaceable.
- Anchorage options include asphalt, concrete, and soil-drive pile.
- Potentially reusable after an impact within NCHRP Report 350 crash test standards.\*

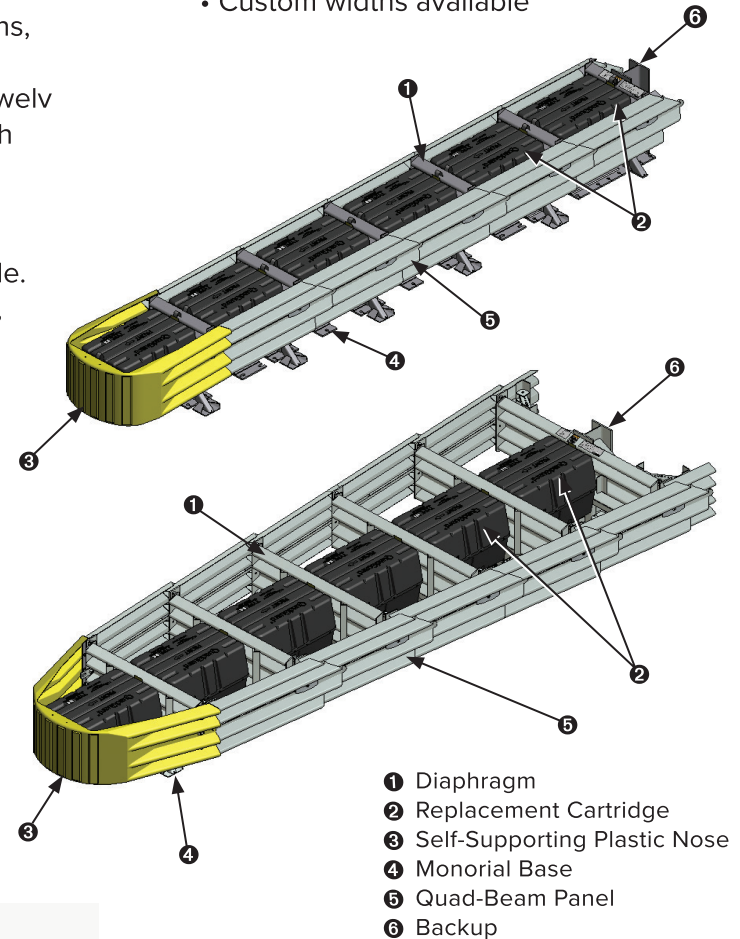
## BACK UP STRUCTURE AND ATTACHMENTS

- Simplified backups –
  - Tension strut or concrete
- Bridge pier(s) and parapet(s)
- Square block(s)
- Temporary and permanent concrete barrier(s)
- W-beam
- Thrie-beam

## SPECIFICATIONS

### Typical Six-Bay Unit

- 2,255 lbs. (1,020 kg)
- 21' Long (6.4 m)
- 2' (610 mm) min., 126" (3.2 m) Max. Width at Backup Structure
- Custom widths available



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