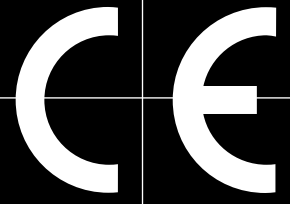


QuadGuard® CEN

Crash Cushion



The QuadGuard® CEN consists of crushable, energy absorbing cartridges surrounded by a framework of steel Quad-Beam™ panels. The QuadGuard® CEN has been tested in Europe as a re-directive crash cushion to the maximum 110 km/h using EN 1317-3 criteria. To fully comply with the definition of a System Type tested crash cushion, the QuadGuard® CEN has been further tested at 100 km/h, 80 km/h, and 50 km/h. The QuadGuard® CEN can be used to shield roadside hazards as narrow as 610 mm and as wide as 2286 mm.

QuadGuard® CEN, as a member of the QuadGuard® family of crash cushions, utilizes many of the same components as the QuadGuard® .

Features and Benefits

- Replaceable energy absorbing Type-E cartridges.

- Durable nose can withstand nuisance impacts with little to no damage.
- High strength Quad-Beam™ panels.
- Needs no anchoring chains or tension cables.
- Accommodates speeds at 110 km/h, 100 km/h, 80 km/h, and 50 km/h.
- The QuadGuard® CEN Family of crash cushions is CE marked and has been certified by an authorized EU Notified Body.

Back-Up Structure Attachments

Simplified tension-strut backup stand alone or:

Multiple connection panels available for:

- New Jersey Barrier
- W-beam
- Thrie-beam
- Concrete barrier

Installation and Repair Advantages

- Damaged cartridges contain debris and are easily replaceable.
- Monorail base eliminates need for anchoring chains/tension cables.
- QuadGuard CEN requires minimal repair after a design impact.

Specifications

Typical eight-bay unit (Also available in 6 bay, 5 bay, and 3 bay units):

- 7.97 m Long
- 610 mm min., 2286 mm max. width at backup structure.

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QuadGuard® CEN

Crash Cushion

- ❶ Self-Supporting Nose
- ❷ Energy Absorbing Diaphragms and Bumpers
- ❸ Quad-Beam Diaphragm
- ❹ Replaceable Type-E Cartridge
- ❺ Monorail Base
- ❻ Quad-Beam Panel
- ❼ Backup
- ❽ Quad-Beam to W-Beam Connection

