

Road Safety Products

QuadGuard CZ System



Portable Non-Gating Re-Directive Crash Cushion For Work Zones

The QuadGuard CZ relocatable crash cushion offers the latest technology for shielding hazards 610mm wide.

Each QuadGuard CZ System consists of crushable, energy-absorbing cartridges surrounded by a framework of Energy's exclusive steel Quad-Beam™ panels. These systems redefine NCHRP 350, Test Level 3 performance for re-directive, non-gating attenuators.

The QuadGuard CZ System has successfully passed the complete NCHRP 350, Test Level 3 test matrix. Higher speed units are available. During head-on design impacts, the QuadGuard Systems telescope rearward and progressively crush the cartridges to absorb the energy of impact. When design impacted from the side, the QuadGuard System safely redirects the errant vehicle back toward its original path without gating.

Specifications

Speed	Bays	Length	Width	Height
70km/h	3	4.00m	610mm	817mm
80km/h	4	4.91m	610mm	817mm
90km/h	5	5.83m	610mm	817mm
100km/h	6	6.74m	610mm	817mm
110km/h	8	8.54m	610mm	817mm

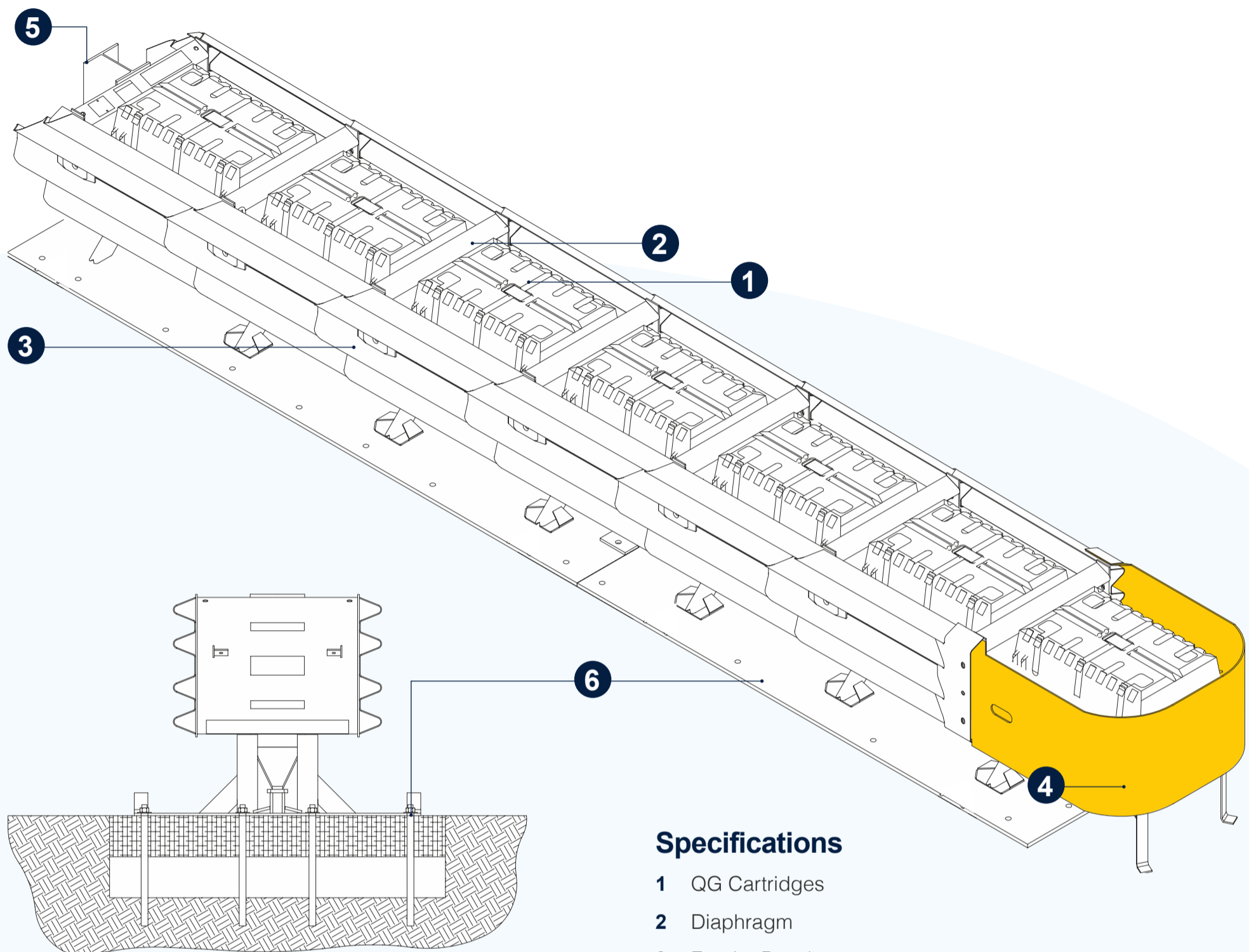
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Specifications

- 1 QG Cartridges
- 2 Diaphragm
- 3 Fender Panel
- 4 Nose Assembly
- 5 CZ Plate/Backup
- 6 Anchor Points

Features & Benefits

- Compliant to NCHRP350, AS/NZS 3845:1999.
- Only 34 anchors for NCHRP350 TL-3 (100km/h performance).
- Entire system can be moved as a single unit.
- Able to shield hazards of 610mm wide.
- Quad-Beam™ panels provide 30% higher beam strength than three beam.
- Monorail base eliminates the need for anchoring chains and tension cable — easier installation.
- Multiple transitions available.
- High efficiency - 80% reusability after most design impacts.
- Fully-tested transition panels
- Lifting brackets

Quick & Easy Refurbishment

QuadGuard CZ Systems offer high efficiency, allow for quick refurbishment and keep repair costs low. After a head-on impact, typically only the cartridges and plastic nose are expended. The cartridges contain the debris, further reducing refurbishment time. Reusable Belt Nose also available.

At a Glance

- Width of Backup: 610mm
- Weight (typical 6-bay unit): 1.594 tonne
- Length (typical 6-bay unit): 6.4m