

QUADGUARD® ELITE SYSTEM

LOW
MAINTENANCE
DESIGN
WITHSTANDS
MULTIPLE
IMPACTS

OVERVIEW

The new QuadGuard Elite System offers the added value of reusable cylinders for applications with above average impact frequency. The system meets NCHRP 350, Test Levels 2 and 3 as a redirective, non-gating crash cushion.

The QuadGuard Elite System's cylinders are made of high density polyethylene plastic (HDPE), a material that can withstand multiple impacts before requiring replacement. After a typical design impact, the system is 99% to 100% reusable.

FEATURES AND BENEFITS

- Durable, reusable HDPE Cylinders provide low lifecycle cost.
- Compact design accommodates impacts by 2000 kg (4500lb) high center-of-gravity vehicle at speeds up to 110 km/h (70 mph)
- Quad-Beam panels provide 30% higher beam strength than tri beam.
- Even the Flex-Belt nose is reusable after most design impact.

MEETS NCHRP 350 CRITERIA AT TL-2 & 3

The QuadGuard Elite System has successfully passed the complete NCHRP 350 Test Level 3 matrix with both the light car and the high center-of-gravity pickup truck at speed up to 100km/h (62mph) at angles up to 20°.

During head-on impacts, the QuadGuard Elite System telescopes rearward and crushes the HDPE cylinders to absorb the energy of impact. When impacted from the side, the QuadGuard Elite System safely redirects the errant vehicles back toward its original travel path.



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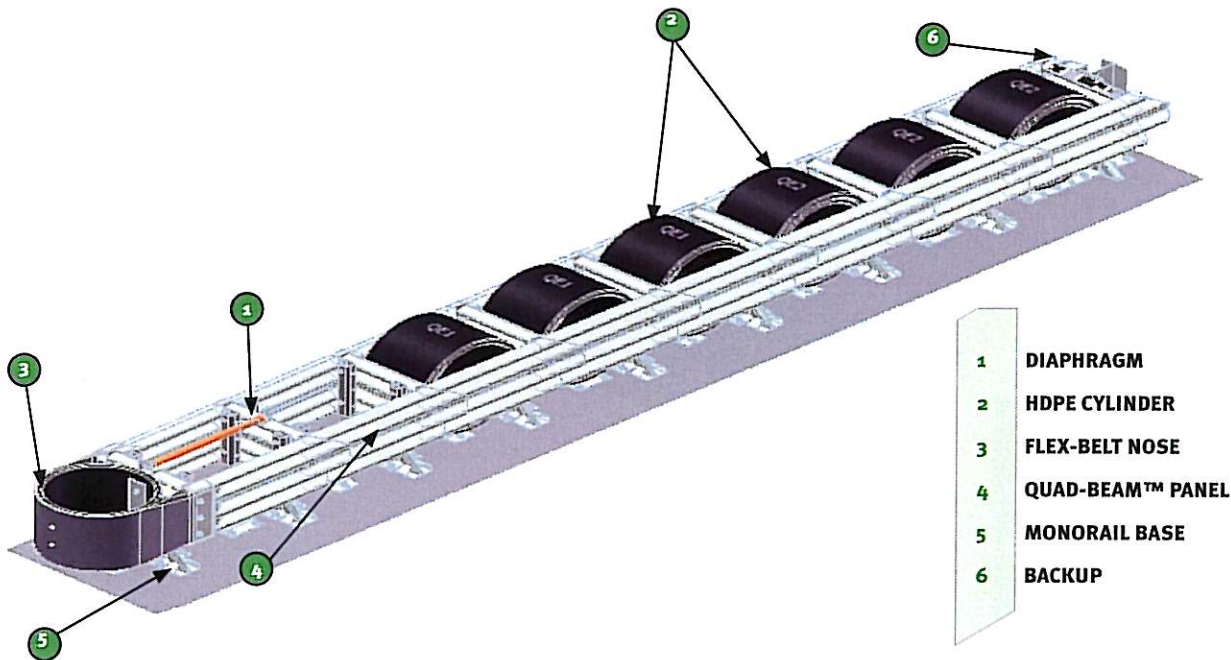
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QUICK AND EASY REFURBISHMENT

The QuadGuard Elite System, besides being self-restoring after most design impacts, is designed to withstand multiple impacts without the need to replace the HDPE cylinders. After each impact, maintenance crews should measure the shorter diameter of the last cylinder (closest to the backup). When this diameter is reduced from its original 815 mm (32") to 660 mm (26") or less, all of the HDPE cylinders will need to be replaced.

SPECIFICATIONS

Minimum Width at Backup	610.0 mm	(2')
Maximum Width at Backup	2.4 m	(96")
TL-3 Length 8-bay unit	8.0 m	(26.75")



Contractors Barricade Service
P.O. Box 913
Porter, TX 77365

Phone: (281) 360-6098
Fax: (281) 360-6091
Email: cbs.tx@msn.com



35 East Wacker Drive • Chicago, IL 60601
Tel: (312) 467-6750 • Fax: (312) 467-9625
www.energyabsorption.com



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Version 60409

General Specifications for the QuadGuard Elite Systems are subject to change without notice to reflect improvements and upgrades. Additional information is available in the Product Manual for this system. Contact Energy Absorption System for details.