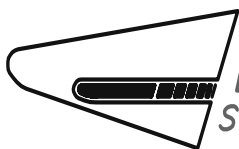


QUADGUARD[®] CZ SYSTEM



**ENERGY ABSORPTION
SYSTEMS, INC.**

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INTENDED USE

The QUADGUARD® CZ System is a member of the QUADGUARD® Family designed to shield hazards in construction zones. The QUADGUARD® CZ offers impact protection for both light and heavy vehicles. The system may be permanently used for gore areas, bifurcations and wide hazards such as bridge piers and tollbooths, after construction is complete. It is effective against head-on and angle hits at typical highway speeds.

When hit head-on, a series of cartridges, placed between QuadBeam™ diaphragms and surrounded by telescoping fender panels, are crushed. This action absorbs the kinetic energy from the impacting vehicle, bringing the vehicle to a stop. Hit along the side at an angle, the system redirects the vehicle away from the hazard.

Only the cartridges and nose assembly are expended during a design speed crash. Two types of cartridges are required, permitting convenient stocking of these easily replaceable elements. The QUADGUARD® CZ System is available for head-on design speeds up to 71 mph [115 km/h], for hazards form 24" [610mm] to 36" [916mm] in width.

The QUADGUARD® CZ System has successfully passed the complete NCHRP 350, Test Level 3 matrix for redirective, non-gating attenuators with both light car and high center-of-gravity pickup truck at speeds up to 62 mph [100km/h] at angles up to 20 degrees.

• Non-gating	Length =	13.12' [4.0 m] (3 bay) to
• Redirecting		31.13' [9.49 m] (9 bay)
• Non-pocketing	Width =	(standard) 24" [610mm] Min
• Bidirectional or		(standard) 36" [916mm] Max
Unidirectional	Design Speed =	variable up to 72 mph [115 km/h]
• Partially Reusable		

APPROVALS: http://safety.fhwa.dot.gov/roadway_dept/road_hardware/barriers/pdf/cc-35a.pdf

Contact Information

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