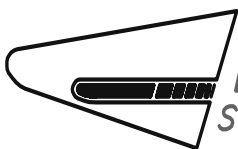


QUADGUARD[®] SYSTEM (69 OR 90)



**ENERGY ABSORPTION
SYSTEMS, INC.**

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INTENDED USE

The QUADGUARD[®] 69/90 is a member of the QUADGUARD[®] Family designed to shield wider hazards. The QUADGUARD[®] 69/90 offers impact protection for both light and heavy vehicles. The system is perfect for gore areas, bifurcations and wide hazards such as bridge piers and tollbooths. 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.

The QUADGUARD[®] 69/90 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 speeds up to 62 mph [100 km/h] at angles up to 20 degrees.

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[®] 69/90 is available for head-on design speeds up to 75 mph [120 km/h], for hazards up to 90 in [2286 mm] in width.

• Non-gating	Length =	13.12 ft [4.0 m] (3 bay) to
• Redirecting		40.12 ft [12.23 m] (12 bay)
• Non-pocketing	Width =	(standard)69 in [1753mm] Min
• Bidirectional or		(standard)90 in [2286mm] Max
Unidirectional	Design Speed =	variable up to 75 mph [120 km/h]
• Partially Reusable		

APPROVALS:

http://safety.fhwa.dot.gov/roadway_dept/road_hardware/barriers/pdf/cc42a.pdf

Contact Information

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QUADGUARD[®] 69/90 SYSTEM

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