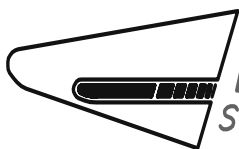


# QUADGUARD<sup>®</sup> SYSTEM (24, 30 OR 36)



**ENERGY ABSORPTION  
SYSTEMS, INC.**

## SCT02a

SHEET NO.

DATE:

1 of 2

4/19/05

## INTENDED USE

The QUADGUARD<sup>®</sup> System is a member of the QUADGUARD<sup>®</sup> Family designed to shield narrower hazards. The QUADGUARD<sup>®</sup> offers impact protection for both light and heavy vehicles. The system is perfect for gore areas, bifurcations and 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<sup>™</sup> 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<sup>®</sup> is available for head-on design speeds up to 75 mph [120 km/h], for hazards from 24" [610mm] to 36" [916 mm] in width.

The QUADGUARD<sup>®</sup> Systems have successfully passed the complete NCHRP 350, TL3 test matrix with both light car and high center-of-gravity pickup truck at speeds up to 62 mph [100 km/h] at angles up to 20 degrees. Higher speed systems are available.

• Non-gating	Length =	7' [2.16 m] (1 bay) to
• Redirecting		40.12' [12.23 m] (12 bay)
• Non-pocketing	Width =	(standard) 24" [610 mm] Min
• Bidirectional or		(standard) 36" [916mm] 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/cc-35b.pdf](http://safety.fhwa.dot.gov/roadway_dept/road_hardware/barriers/pdf/cc-35b.pdf)

### Contact Information

**Corporate Offices:**  
35 East Wacker Dr., 11th Floor  
Chicago, IL 60601-2076  
Telephone: (312) 467-6750  
FAX: (312) 467-1356  
<http://www.energyabsorption.com/>

## QUADGUARD<sup>®</sup> SYSTEM

#SCT02a

SHEET NO.

DATE

2 of 2

4/19/05

