

DESCRIPTION

The QUADGUARD System is a member of the QUADGUARD Family designed to shield narrower hazards. The QUADGUARD 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.

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 is available for head-on design speeds up to 120 km/h, for hazards from 610-916 mm in width.

The QUADGUARD 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 100 km/h at angles up to 20 degrees. Higher speed systems are available.


- | | | |
|----------------------|----------------|----------------------|
| • Non-gating | Length = | 2.16 m (1 bay) to |
| • Redirecting | | 12.23 m (12 bay) |
| • Non-pocketing | Width = | (standard)610 mm Min |
| • Bidirectional or | | (standard)916 mm Max |
| Unidirectional | Design Speed = | variable up to |
| • Partially Reusable | | 120 km/h |

CONTACT INFORMATION

ENERGY ABSORPTION SYSTEMS, INC.
One East Wacker Drive
Chicago, Illinois 60601

Phone (312) 467-6750

QUADGUARD® SYSTEM

		
SHEET NO:	REF.NO.	
2 of 2		