

SMART CUSHION®

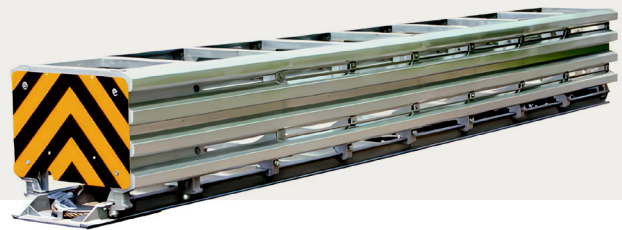
SPEED DEPENDENT IMPACT ATTENUATOR



The Smart Cushion® crash attenuator is a revolutionary, speed-dependent product that varies stopping resistance during an impact. The Smart Cushion® crash attenuator allows lighter and slower-moving vehicles to have longer ridedown distances and lower ridedown g-forces.

SEVERE DUTY, EASY TO RESET

THE WORLD'S ONLY SPEED-DEPENDENT
CRASH ATTENUATOR



RESTORABLE IMPACT ATTENUATOR

- ▶ Redirective, non-gating, bidirectional impact attenuator
- ▶ Designed to be reset after an impact in under 30 minutes
- ▶ Exceptional life-cycle cost / Low-cost reset
- ▶ Low-cost repair
- ▶ MASH Test Level 3 and Test Level 2

MASH TEST LEVEL 3

21' 6" LENGTH	24" WIDTH
34" HEIGHT	3,450 LB WEIGHT

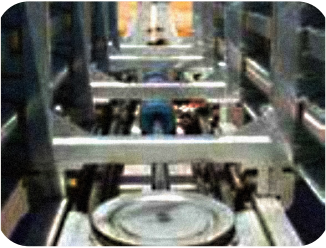


Gregory Highway is a strategic partner with Hill & Smith and a proud distributor of the Smart Cushion®



STRONGER SIDE PANEL

The panel is over 90% stronger than curved profiles. The profile allows the edges to be beveled, reducing the potential for snagging and damage on reverse-direction impacts. The panel also smoothly redirects vehicles on side impacts. The side panel is fabricated from 10-gauge, 60-ksi, minimum-yield steel with an ASTM A123 galvanized coating.



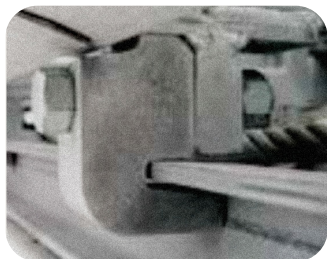
CABLE & CYLINDER SYSTEM

This system allows longer ridedown distances for smaller vehicles, as well as smoother ridedown with lower g-forces for all vehicles. The cylinder’s hydraulic porting assures a controlled ridedown by applying the necessary resistance required based on the speed and mass of the vehicle.



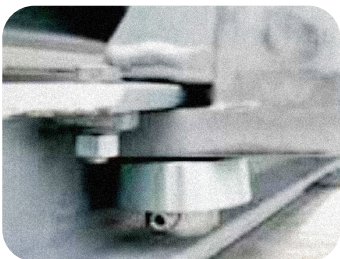
SUPPORT GUSSETS

Gussets located behind the panels reduce gap formation and deformation to prevent snagging on reverse side impacts.



SIDE GUIDE DESIGN

This revolutionary design withstands side impacts with no damage.



FRONT ROLLERS

The roller guide design on the front sled produces a smooth, aligned collapse by reducing friction and binding.

SMART CUSHION® DIMENSIONS	Test Level 2 MASH-NCHRP 350	Test Level 3 MASH-NCHRP 350
A	13' 6"	21' 6"
B	24"	24"
C	34"	34"
WEIGHT	2470 lbs.	3450 lbs.

