

Untangling Harnesses and Vests Ambulance Safety Products • 7/08

This chart reports ONLY products currently manufactured and available in the U.S. It excludes add-on shell-based, wheelchair-based, and lap-shoulder belt types of products.

Choosing products for compatibility requires specialized understanding of occupant protection and the specific vehicle types, user issues, regulatory distinctions, and circumstances. Chart highlights are NOT a substitute for appropriate assessments. See also [Background: Regulatory Factors](#) and [Manufacturer's list contacts](#).

Always read and follow manufacturer instructions in context of regulations for vehicle types! Thresholds and positions reported by this project reflect “most current” positions of these companies as of posted revision dates. Consult manufacturers directly about case-specific applications or differences with past or future product labels, marketing materials, web sites, printed instructions or previously known practices or forecasts.

Add-on harnesses/ vests

Manufacturer/ Model names	Size/ fits	Securing requires	Comments
Ferno Pedi-Pal	10 – 40 lbs.	5-point harness has straps that fasten to most ambulance cots in use.	Company specializes in emergency patient handling and rescue-related equipment
Safeguard (IMMI) Transport	22-100 lbs. 5-point harness; multiple positions from horizontal to fully upright.	Its own folding “board” has straps with hooks for fastening to ambulance cots. (Manufacturer prohibits using device as a rescue backboard.)	Company specializes in occupant protection devices for various types of vehicles.

Built-in harnesses/ vests

Manufacturer/ Model names	Size/ fits	Securing requires	Comments
Serenity Safety Products Guardian Pediatric Restraint System	Set contains Infant (5- 22 lbs.) shell-based device and Child (23-85 lbs.) harness.	The set portions are deployed from storage compartments built into the patient compartment captain's chair that usually faces rearward. Consult Serenity about intended ambulance vehicle to determine compatibility for original or retrofit installations.	Infant device can only be used on a captain's chair locked rear-facing. The company anticipates the Child harness would be used when the chair is rear-facing but says it also has been tested to FMVSS 213-like thresholds when chair is facing forward. Web site offers video of each model's use.