

**VEAP Energy Absorbing Reactive Guardrail System**

The VEAP System is an energy absorbing reactive guardrail system that was conceived, designed, and first manufactured in Houston, Texas in 1994. VEAP is an acronym for Vehicular Energy Absorbing Post, which is the heart of a system that consists of only five components: the VEAP Post, Guardrail, Guardrail Clamp, Guardrail End Cap, and Anchor and Guardrail bolts. The two principal components of the system are the VEAP Post and the VEAP Guardrail. The energy absorbing VEAP Post is a patent pending, closed-loop vertical post constructed of high-strength, tempered spring steel that bends, or flexes, upon vehicular impact. This flexing causes the post to absorb and dissipate impact energy. After the energy-absorption and dissipation cycle is complete, the VEAP Post returns to its vertical pre-impact position. The VEAP Post's installation is simple and only requires two anchor bolts. The VEAP Guardrail is a specifically designed C-channel shape chosen to provide a quick and easy installation. A unique heavy duty spring steel VEAP Guardrail Clamp secures the guardrail to the post with a bolt. This design frees the installer from having to make time-consuming alignments. The VEAP System replaces existing methods that consist of wood or steel posts set into concrete with beams running between them. Also, it reduces impact damage to both vehicles and protected areas. The versatility of the design allows for many industrial and commercial uses.

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