

VLR VERTICAL LIFT RESISTANCE BARRIER



YOUR BARRIERS ARE OUR BUSINESS, YOUR SAFETY IS OUR PRIORITY!

APPLICATIONS:

The VLR is a penetration resistance barrier system designed to capture and decelerate vehicles with minimal risk to the occupants. The VLR is crash tested and certified by an independent testing facility to meet Federal Highway Administration standards NCHRP 350, for arresting and decelerating the vehicle to a safe stop.

OPERATING MECHANISM:

The operating mechanism consists of two pairs of vertically mounted tubes, an electro-mechanical drive system, counterweights as required to balance the loads, a pair of carrier mounted mechanical payout brakes, a net capture panel system and other electrical and mechanical equipment. The capture panel is mounted on carrier pins and is raised and lowered by the electro-mechanical drive system. The capture panel is held in a stable position by the carrier pins on each side of the roadway which releases the panel during a normal crash without damage to the carriers. Operating time to open or close the roadway does not exceed 18 seconds.

PARTIAL LIST OF AVAILABLE OPTIONS:

- Stainless Housing
- Capture Panel Finishes, Materials and Colors
- Mounting Template And Anchor Bolts
- Arm Light and Flasher
- Alternate Door Latch Styles
- Door Strap with Integral Heavy Duty Padlock Hasp
- Reflective Button Delineator
- Tamper-Resistant Door Latches
- Gong or Vibrating Bell



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LIMIT SWITCHES :	Limit switches are incorporated onto the barrier system to provide safety, accuracy of barrier deployment and interfacing with other equipment and communication systems as required for each installation.
ACCESS DOORS :	Access doors are provided to allow access to all equipment as required for service, parts replacement and adjustments. Door locks are provided for safety and vandal resistance.
COUNTERWEIGHTS :	Sectional counterweights are provided to mechanically balance the operating mechanism to minimize wear, drive loading and power requirements.
MOUNTING :	The barrier is affixed to a suitable foundation, as specified by the project engineer, using twenty-four 1" (25mm) diameter anchor bolts. The barrier housing base is equipped with 1.25" (32mm) mounting holes.
HANDCRANK:	Both a handcrank and a drill crank are provided with each barrier to facilitate manual operation.

SOFT BRAKING SYSTEM:

The braking system is designed and crash tested to safely decelerate and stop a 1,800 pound vehicle and a 4,400 pound vehicle traveling 62 mph without damage to the vehicle power train, windshield or passenger compartment. The braking mechanism is resettable in minutes and capable of sustaining repeated crashes without replacement of any of the braking system parts. The payout strap is designed to withstand repeated crashes and has an expected life of 5 years. The braking system stopping force is adjustable to allow tailoring the system for various vehicle weights, stopping distances and roadway widths. The VLR is certified to Federal Highway Administration standards NCHRP 350, TL-3.

MOTOR AND BRAKE:

The motor will be provided with voltage and phase in accordance with customer requirements and will be equipped with a brake to assure accurate and stable stopping positions. The motor horsepower, 1 to 2 HP, will be as recommended by the barrier manufacturer to suit the installation. The motor is a C-face design mounted directly to the transmission and is instantly reversible and overload protected.

WARRANTY:

BBRSS warranty covers the barrier and BBRSS supplied equipment against defective material and components for 1 year from date of shipment from the manufacturer. BBRSS maintains an inventory of replacement parts for a minimum of 10 years. Replacement parts for most components are normally available in 1 working day. Extended Warranty packages, installation and support options are available.

SUPPORT:

All BBRSS equipment is backed by a full team of engineers and technical staff to help you with selection, design, installation, & maintenance. Please contact BBRSS for additional information.



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