



Norshield VBS NOR200 ELECTRIC SHALLOW FOUNDATION WEDGE

GENERAL

Norshield VBS's NOR200 is on the cutting edge of innovative vehicle barrier systems. It represents advancements in nearly all aspects of the traditional shallow foundation wedge barrier. It implements improvements in design, functionality, reliability, maintenance, and operation while maintaining the strength of a shallow foundation wedge. The NOR200 has been tested in full-scale configuration and certified by an independent testing facility to the highest DOS K-12 standards, capable of stopping a 15,000 lbs vehicle traveling at a speed of 50 mph. The NOR 200 provides the highest level of security within a cutting edge self contained design. Upon impact, forces shall be first absorbed by steel weldment and then transmitted to the foundation of the unit creating the most functional and protective barrier available.



SYSTEM CONFIGURATION

This state of the art barrier is a shallow steel vault below grade assembly set in a minimal concrete foundation of 24" in depth. The vault assembly is hot dipped galvanized. The barrier unit that rotates to an above ground, defensive position is constructed of reinforced steel post connected by a crash bar. Upon impact, forces shall be transferred through the posts into the foundation facilitating exceptional stopping power. An optional top plate can be installed for additional ballistic protection, creates a plate barrier appearance similar to traditional wedges. The innovative self contained design further limits the need for maintenance and the possibility for malfunction of the barrier. Red strobe lights shall be installed on the outer posts to provide caution when barrier is deployed improving upon safety standards on wedge barriers. Locked, removable top plates provide quick and easy access to all maintenance and service points with standard hand tools further limiting valuable time spent on maintaining this barrier. The roadway plates and barrier post shall be painted white and shall have a non-skid surface. Innovations such as the self-contained design and the design using posts rather than a road plate make the NOR200 an innovation on the strengths of the traditional shallow foundation wedge barrier.

OPERATION OF THE BARRIER

Further improving upon previous wedge barriers, the barrier is operated by an electric motor driving a worm gear and self-lubricating actuator operating on 110v single-phase power (optional configurations available). A servo actuator shall allow programmable operating speeds. Servo actuator allows for high volume usage and has an emergency mode of 1.8 seconds. All motor components are integrated into the self-contained design of the unit and are operable under extreme circumstances, such as overflow of water (with the aid of a sump pump). This design and included electric motor allow for an unparalleled operation cycle, speed, and smooth operation far superior to the hydraulic operated barriers of past generations. A battery backup system is available to provide over 200 continuous cycles in the event of primary power loss. Control of the barrier can be done through normal operating controls.



The NEWEST electric shallow wedge barrier revolutionizes previous conceptions about wedge barriers!