



**Barriers**

*Crash Rated Barriers, Gates, Fences and Bollards*

# Transportable Vehicle Surface Barrier P10™

## Description

The Transportable Vehicle Surface Barrier (VSB) P10™ is the most innovative access control device available. The VSB P10™ is a transportable surface-mounted "pop-up" roadway barrier that can be used as a permanent or temporary counter intrusion device.

- All steel construction, welded and inspected to AWS D1.1
- 2-inch thick, one-piece steel plate wedge
- Wedge height is 39 inches - higher than others for added vehicle capture
- Twenty 5-inch wide solid steel load bearing hinges
- 2-inch diameter load-bearing hinge pin fabricated from high strength steel
- 2-inch thick solid steel load-bearing struts arranged in a progressive energy-absorbing system
- Weight - approximately 35,000 pounds
- No excavation
- Hydraulic and electrical systems are highest quality and reliability

## Certification

The VSB P10™ was certified at the DOS K12/L1 level. After stopping a 15,000-lb. vehicle exceeding 50 mph, the VSB P10™ was fully functional. The L1 rating was achieved without anchors. Anti-skid cleats can be installed to vastly improve this rating.

## Applications

The VSB P10™ can be easily placed at sites where below-ground models would be expensive or impossible to install. High water table, bedrock, or underground cables and pipes do not hinder the installation of the VSB P10™.

## Activation

In emergency situations, operating time is less than 2 seconds. Normal operating time is 8 seconds or less. Improved performance is available when needed with normal up in 5 seconds and emergency up in 1 second or less.

## Installation

The VSB P10™ installation requires no excavation or anchors and may be installed directly to roadway surfaces. Because the device is self-contained except for external power source, it can be placed on any flat surface and does not require the site preparation and construction required for installing other pop-up roadway barriers.

The VSB P10™ can be installed in less than half a day and can be quickly disassembled into three components for storage and transportation. Off-road transportation does not require disassembly.

## Operation

The VSB P10™ may be operated from a remote location with a 50 foot. walk-around cable or by use of a key pad or card reader. A backup battery power pack is available.



## Environmental Considerations

The VSB P10's™ unique self-contained curbed design traps fluid to prevent seepage in the event of a system leak. The result is a roadway barrier suitable for use in sensitive environments such as high water table and porous soil.

## Maintenance

Maintenance and repair costs are reduced by the VSB P10's™ modular design and the ease with which components can be accessed. Surface mounting eliminates excavation should repairs be necessary. Servicing procedures that require days for a below-ground model can be completed in minutes with the VSB P10™.

## Product Documentation

- Detailed installation, electrical and hydraulic drawings and instructions specific to each customer product
- Crash certification, warranty, and technical specification
- O&M manual
- Spare parts list
- Most parts are off-the-shelf

## Ongoing Product Support

- Timely response to customer inquiries
- On-site installation oversight
- On-site maintenance and troubleshooting assistance
- Highly qualified support personnel who hold government security clearances
- Training of customer security and maintenance personnel extended warranties

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