



Product Specifications

Abrams Electric Wedge Barrier

(Model WDG-EL-1200)

1. ASTM F2656-07 M50 P1 certified; (Can stop 15,000lb vehicle impact at 50 mph).
2. Department of Defense (DoD) approved and listed on the Anti-Ram Vehicle Barrier List.
3. Wedge spans 10 feet. Multiple wedge barriers can be installed in series across a roadway.
4. All electric system with a high-cycle capability actuator. Controls raise or lower barrier in 5 seconds during normal operation; or deploy barrier in 2 seconds for Emergency Fast Operate (EFO).
5. Minimal electric power supply required. Operates using one 208/220/230-volt 20-amp single phase and one 110-volt 20 amp.
6. Automatic locking in down position.
7. Quick installation. Delivered prefabricated and preassembled. Actuator and electronics panel ready for plug and play connection.
8. Shallow foundation only 16-1/2 inches deep. No rebar in foundation.
9. Components are below the pavement. Installed flush with roadway for smooth driving across barrier. Supports heavy oversized vehicle loads.
10. Multiple gravity drains provided inside wedge.
11. Preassembled controls cabinet and PLC cabinet. PLC controlled logic allows for field adjustments to timing of electronics, alarms, and sequencing of lights.
12. Custom control panels, traffic signals, alarms, warning lights, signs, and safety loops to meet final denial requirements and customer needs.
13. Cold weather package includes thermostat-controlled heaters, and additional 110V 20-amp circuits.
14. Optional card readers, camera with DVR, wrong way detection, overspeed detection, wireless remote controllers, RFID tag activation, trigger loops & sensors, and other devices.
15. UPS backup power available.
16. Optional custom painting, placards, markings, and hot-dipped galvanized finish are available.