



VERTICAL PIVOT CRASH BARRIER SYSTEMS (VPCB)

- ◆ MODEL VPCB-M30 (STD. FOUNDATION)
- ◆ VPCB-M30-SF (SHALLOW FOUNDATION)
- ◆ VPCB-M50 (STD. FOUNDATION)

PRODUCT SPECIFICATIONS

General Information

Ratings: ASTM F2656-07 Standard. M30/P1 & M50/P1 and listed on the DoD Anti-Ram Vehicle Barrier List

Power Supply Options: 120VAC—Single Phase, 20 Amp Service. 240VAC—Single Phase, 10 Amp Service.

Batteries & Charging System: Built-in Battery Backup. Two 12v Batteries Required (Field Supplied). **Recommended Batteries:** Group 24, Sealed Marine Starting

Arm Limit/Position Sensor (LPS): Self aware of gate position at all times. Open and Closed Limit Positions.

Open/Closing Speed: 12-14 seconds Std.

Shipping Weight: Typical (Includes Drop arm/gate system and Bolsters) **Gate & Operator weight:** 2000 lbs.

Bolsters:

VPCB-M30: 3,000 lbs.

VPCB-M30SF: 2,500 lbs.

VPCB-M50: 5,300 lbs.

Warranty: Industrial/Commercial (3 years) from date of shipment on manufactured components workmanship. Purchased components and accessories are covered under their respective warranties. (See full warranty for details)

Optional Accessories: Loop Detectors, Gear Motor Heater, Extreme Cold Package, MUTCD Reflective Tape, LED Warning lights, Audible Devices, and Emergency Access Systems (SOS, Opticom, Click to Enter, Key Box/Switch, etc.)

Transport Maintenance Pin (T/M): used for transport, maintenance to negate movement of Drop arm/gate panel)

Motor & Drive System

RAD (Right Angle Drive): 1/2 HP, Gear Type, Right Angle Locking Worm Drive, Muti Temp Synthetic Lube, Equipped with disengage lever for Manual Operation.

Multi Belt/High torque dual reduction system, Counter Balanced for smooth operation.

Operator

Construction: Frame - 2" Sq., 11 Ga. (.120). Mounting pads—304 SS. Skins - 18 Ga. Galvaneal.

Gate Mounting Hardware: 304 Stainless Steel

Operator size: 68" Length, 52" Height, 39" Width

Paint: Standard Color - Black, powder coated. Spray applied colors are Commercial Coating 2-part High Solids Polyurethane. **Standard Spray Colors:** White, Brown, Green, and Gray. Custom colors available.

Genesis™ Control Board

Solid State coated programmable control board in an electrical enclosure (Tested to -40° F).

Security Breach Protection: Built in 24V brake when A/C or battery is present. Optional internal locking Solenoid mechanism.

Built in sensor for real time barrier position.

Monitored Inputs: Open - 2 inputs , Close - 2 inputs , and an (2) additional programmable inputs for Open or Close.

Programmable Inputs, Outputs, & Relays: The Genesis board has 2 programmable inputs, 2 programmable outputs, and 2 built in relays for configuration and integration.

Control Wiring: 16 & 18 Ga. Single conductor. Copper with electronic compression terminals tin-plated for max corrosion prevention. Non-AutoGate components, accessories, and access control is per individual manufacturer instruction. Contact AutoGate with questions.

Delayed Closing: Programmable from 0 - 90 seconds.

Preemptive outputs: 1 - 5 seconds before gate moves.

Arm & Gate Construction

Systems are available in barrier arm only for forced vehicular entry denial and with a full gate panel fabricated to the barrier arm for anti-personnel capabilities.

Available clear open lengths: M30: 19' with barrier arm only and 17' with gate panel fabricated to drop arm/gate. **M50:** 17' with barrier arm only and 15' with gate panel fabricated to drop arm/gate.

Barrier Arm Construction: 6063 3/16" channel and 5052 3/16" plate. **Locking Pins:** 4140 Steel. **Gate Construction:** 2 1/2" Sq., 7 Ga. (.187) Aluminum Tubing.

Gate Max Length: 19' Overall length (17' clear open section).

Gate Heights: 6' - 9' from pad grade. Consult factory for gates over 8' high as they require special crating and freight arrangements.

Picket Construction: Aluminum—3/4" Sq. 1/8" wall is standard. Note: Contact factory for special sizes, spacing, and custom materials.

Chain Link Fabric: Steel 9 Ga. Alum Fabric is standard on larger gates (Vinyl coated fabric available).

Drop Arm & Gate Paint: Spray applied colors are Commercial Coating 2-part High Solids Polyurethane. **Standard Spray Colors:** Black, White, Brown, Green, and Gray. Custom colors available.