

VW-M3 MANUAL VERTICAL WARNING GATE Specifications



GENERAL: The warning gate shall be Model VW-M3, manually operated, as manufactured by B&B Roadway, LLC, (888) 560-2060.

APPLICATIONS: The gate shall be designed for use as a warning, traffic control and access control gate where manual operation is desired for closure of up to two lanes.

GATE STAND and MOUNTING PROVISIONS: Gate stand shall use heavy structural steel [option: aluminum], welded in a rigid configuration. Entire stand shall be hot dip galvanized after fabrication. The base shall be mounted to a foundation specified by the project engineer with four ¾" diameter by 12" long L-shaped anchor bolts or alternate anchor bolt as specified by the project engineer. The manufacturer shall provide standard anchor bolts and template.

SIDE ARM CHANNELS and CROSSMEMBER: Steel, hot-dip galvanized side arm channels and cross members shall form a sturdy mounting frame to support the arm. The cross member section shall provide for mounting of the arm base.

LATCHING / LOCKING PROVISIONS: The design shall permit 90 degree vertical rotation of the arm. The arm shall latch in both the open and closed positions. Provision for padlocking shall be provided in both the raised and lowered positions.

BEARINGS: Permanently lubricated, bronze spherical bearings shall be provided as standard equipment for smooth, reliable operation.

ARM: The gate arm shall be 4" square (102mm), 6005-T6 aluminum extruded tubing. [option: with a 3" square end section of high-strength UV-resistant fiberglass tip section.] Maximum arm length shall be 30' (9.1m) from the centerline of the pivot. Front and rear arm surfaces shall be covered with red and white high intensity reflective sheeting. Stripes shall be 16" (406mm) wide, and shall slope at 45 degrees down toward the arm tip. Remaining exposed arm surfaces shall be painted white.

ARM BASE: The arm base shall be designed with a shear pin mechanism to reduce damage to the gate and vehicle in the event of a collision. In the event of an impact, the shear pin shall break, allowing the arm to swing approximately 85 to 90 degrees. At the full open position, a spring-loaded latch shall engage, preventing the arm from swinging back into traffic. To reset the arm: manually release the latch, rotate the arm back into position, and replace the shear pin.

ACCESSORIES AND MODIFICATIONS: All common accessories and modifications shall be available. Custom modifications and accessories shall be available through coordination with manufacturer.

WARRANTY: A 2 year warranty shall cover the gate and related equipment against defective material and components.

PARTIAL LIST OF AVAILABLE OPTIONS:

Limit Switch (to indicate gate status)
Anchor Bolts (provided by manufacturer)

Special Swing Angles
Mounting Template

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