



## VMG Technical Specifications

### ***Product Name***

Waist High Gate – Model VMG

### ***Manufacturer***

**Alvarado Manufacturing Co., Inc.**

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***Product Description:*** The VMG gate is a manual, waist high, self-closing gate that in most applications, meets the guidelines contained in the Americans with Disabilities Act Accessibility Guidelines (ADAAG) as issued by the Architectural and Transportation Barriers Compliance Board. **Note:** Because of the potential for varying standards, Alvarado makes no representation regarding the compliance of this product with any state or local laws or regulations regarding public access.

The standard VMG is a non-locking gate with a gravity closure mechanism installed in the hinge post. The following configurations of the VMG are available:

- **VMG-1** – The gate arm is equipped with a stop tab and swings in one direction. The hinge post assembly includes a hydraulic dampener to prevent the gate arm from slamming.
- **VMG-2** – The gate arm swings in both directions. Bi-directional gates are not equipped with hydraulic dampeners.

***Materials:*** All tubing and sheet metal materials meet the appropriate ASTM Standards.

### ***Mechanical Components:***

- The **Gate Arm** is a fully welded assembly constructed of cold rolled carbon steel (or #304 SS) tubing. The gate arm assembly consists of a miter cut and welded frame constructed of 2.5" square x 16 gauge cold rolled carbon steel (or #304 SS) tubing with four notched and welded interior vertical pieces constructed of 1" x 2" rectangular x 16 gauge cold rolled carbon steel (or #304 SS) tubing and a 1/8" thick stainless steel kickplate. All welds are ground smooth. The top of the gate arm is 36.75" from the floor. The bottom of the gate arm is 1.50" from the floor. In a fully open (90 degree) position, the gate provides a clear floor opening of 35" (latch post base flange to hinge post tabs).
- The **Latch Post** is constructed from a 2.5" square x 16-gauge cold rolled carbon steel (or #304 SS) tube with a welded steel cap. All welds are ground smooth. The post is 39.75" high and is secured to the floor using four anchors and bolts. A split base flange cover is provided.
- The **Hinge Post** is constructed from a 2.5" square x 16-gauge cold rolled carbon steel (or #304 SS) tube with a welded steel cap. All welds are ground smooth. The post is 39.75" high and is secured to the floor using four anchors and bolts. A split base flange cover is provided.

***Finishes:*** The VMG Gate is available in the following finishes:

- **Powder Coated** – Available in a wide variety of colors. Sub-assemblies are sand blasted to prepare for the powder coat finish. The powder is electrostatically applied, then baked to assure proper curing and adhesion.
- **Stainless Steel** – All external fabricated materials are composed of #304 stainless steel (noted in the descriptions above as #304 SS) and polished to a #4 satin finish.

***Size:*** VMG units have an overall height of 39.75", an overall width of 47", and a depth of 5.5" when the gate arm is closed. The height of the gate arm is 36.75".

***Shipping:*** VMG gates are shipped in two main sections: the Gate with Hinge Post, and the Latch Post. Each section is fully fabricated as a sub-assembly for easy installation. Each VMG gate includes mounting hardware (anchors, bolts, washers, etc.) to mount the unit to a standard, level concrete floor. Alvarado ships products throughout the world.

***Installation:*** All VMG gates must be installed on a firm foundation. The gate must be installed on level concrete. No embedded fasteners are needed for installation. Installation should be performed by a skilled installer following the manufacturer's directions and instructions (supplied with the gate).

**Options:**

The following is a list of options that are available for the VMG gates:

- **Crash Plates** – Crash plates are 8” high and run the entire length of the gate arm. Crash plates are constructed from 1/8” thick stainless steel and are welded to the upper portion of the gate arm assembly.

**Warranty:** Alvarado Manufacturing Co., Inc. warrants the VMG gate from defects in material or workmanship, for the period of ONE YEAR from date of shipment. Complete details of the warranty are available from Alvarado by request.

**Technical Services:** Technical information is available from Alvarado Mfg. Co., Inc., and its representatives, distributors and dealers.