# MSG
## Pedestrian Gate

Our MSG full height security gates look and function much better than an on site fabricated chain link gate. With several models to choose from, the MSG can meet almost any application or requirement.



## COMMON APPLICATIONS

- Employee and Visitor Access Control
- Loss Prevention
- Delivery Access

## TYPICAL INSTALLATION SITES

- Warehouse and Distribution Facilities
- Petrol and Chemical Facilities
- Manufacturing Facilities

## FUNCTION

The MSG gate is a self-closing full height security gate. Various models are available, including electric locking versions that can be integrated with an access control system. All MSG models are self-closing and include a heavy duty hydraulic closure mechanism. All gates are ordered with either a right or left hand swing. MSG gates are often installed in conjunction with Alvarado's full height turnstiles.

## AVAILABLE CONFIGURATIONS

### MSG (NO LOCKING HARDWARE)

Features a pull handle on the entry side.

### MSG-1 (MANUAL LOCK CONTROL)

Features key lock control on the entry side, and a mechanical push bar on the exit side. A mesh infill is included to prevent reach-through activation of the push bar.

### MSGX (ELECTRIC LOCK CONTROL)

Features a magnetic lock (fail-safe) and pull handle on the entry side.

### MSGX-PX (ELECTRIC LOCK CONTROL)

Features a magnetic lock (fail-safe) and pull handle on the entry side, and a microswitch push bar on the exit side. A mesh infill is included to prevent reach-through activation of the push bar.

### MSGX-S (ELECTRIC LOCK CONTROL)

Features an electric strike lock (fail-lock) and pull handle on the entry side.

### MSGX-E (ELECTRIC LOCK CONTROL)

Features an electric strike lock (fail-lock), key lock control and pull handle on the entry side, and a mechanical push bar on the exit side. A mesh infill is included to prevent reach-through activation of the push bar.

## AVAILABLE FINISHES

### GALVANIZED

All exterior steel materials are hot-dip galvanized to ASTM Standards A123/A153.

### STAINLESS STEEL

Gate and frame are fabricated from #304 stainless steel with a #4 satin finish.

### POWDER COATED OVER GALVANIZED FINISH

All exterior tubing and sheet metal surfaces receive an underlying coating of hot molten zinc. Sub-assemblies are treated to allow for the application of powder coat over the galvanized finish.

## MATERIALS

### GATE

The Gate is a fully welded assembly consisting of 2" x 3" vertical and 2" x 5" horizontal structural steel tubing. Vertical infill bars of 1.5" square tubing are spaced evenly across the width of the gate.

### GATE FRAME

The Gate Frame is a fully welded assembly consisting of 2" square vertical and 2" x 5" horizontal structural steel tubing. The frame includes two welded .25" thick base plates for mounting to a concrete slab.

### INFILL MESH

Infill Mesh is included on certain models. Infill mesh is a diamond mesh pattern and is added to the upper and lower portions of the gate.

## MECHANICAL COMPONENTS AND FUNCTIONALITY

### HYDRAULIC CLOSURE

The hydraulic gate closure mechanism installed on all gates is a Norton Model # 7500.

### MECHANICAL PUSH BAR (MSG1 AND MSGXE)

The Von Duprin Model 98EOUS28 is a mechanical push bar that unlocks the gate when depressed.

### MICROSWITCH PUSH BAR (MSGXPX)

The Gianni Model PBA-840 is a microswitch push bar that interrupts electrical contact with the magnetic lock to unlock the gate and allow exit.

## ELECTRIC COMPONENTS (ELECTRIC MODELS)

### MAGNETIC LOCK (MSGX AND MSGX-PX)

Gianni Model GL-1200 is a magnetic lock. It is fail-safe, and has a current draw of 250 mA @ 12VDC, and a holding force of 1200 lbs.

### ELECTRIC STRIKE LOCK (MSGX-E)

Von Duprin Model 6111 is an electric strike lock that allows for key and push bar override. It is fail-lock and has a current draw of 600 mA @ 12VDC.

### ELECTRIC STRIKE LOCK (MSGX-S)

Gianni Model GK-300 is an electric strike lock. It is fail-lock and has a current draw of 250 mA @ 12VDC.

### POWER SUPPLY

The power supply is a 110 VAC, 60Hz, plug-in style with a 1000mA output at 12VDC.

## ACTIVATION

### MSGX AND MSGX-PX

MSGX and MSGX-PX models require a sustained dry contact to unlock the gate. The gate lock will not re-engage until the contact is released and the gate is closed. The MSGX-PX includes a microswitch push bar which, when depressed, unlocks the gate to allow exit. The push bar is a Gianni Model PBA-840.

### MSGX-S AND MSGX-E

MSGX-S and MSGX-E models require a sustained dry contact to unlock the gate. The gate lock will not reengage until the contact is released and the gate is closed. Model MSGX-E includes a mechanical push bar which, when depressed, mechanically unlocks the gate and allows exit. This model also includes a mechanical key override of the lock to allow access in the entry direction.

## OPTIONS

### 220VAC

A 220VAC, 50-60 Hz power supply is substituted for the standard 110VAC power supply. This option is available on all models.

### CARD READER PLATE

Adapter arm and card reader plate.

### DEAD BOLT LOCK

Single or double cylinder dead bolt lock. This option is available on the MSG and MSGX.

### INFILL MESH

Infill Mesh is included on certain models and is available as an option on others. Infill mesh is a diamond mesh pattern and is added to the upper and lower interior sections of the gate.

### KICKPLATE

A kickplate is added to both sides of the gate. This option is available on all models.

### MAGNETIC GATE STATUS SWITCH

When the gate opens, magnetic contacts are broken which signals that the gate is open. The switch is a SPST contact supplied with two lead-in wires for field connection. This option is available on all models.

### PUSH BUTTON ASSEMBLY

A 3.15" square assembly constructed of stainless steel with a DPDT push button switch. Includes zinc plated mounting plate for attachment to wall, desk, or other fixed item. The switch is field wired into the strike or magnetic lock power cable to unlock the gate from a remote position such as a guard shack. This option is available for the MSGX, MSGX-PX, MSGX-E and MSGX-S models.

## SHIPPING AND SITE PREPARATION

### SHIPPING

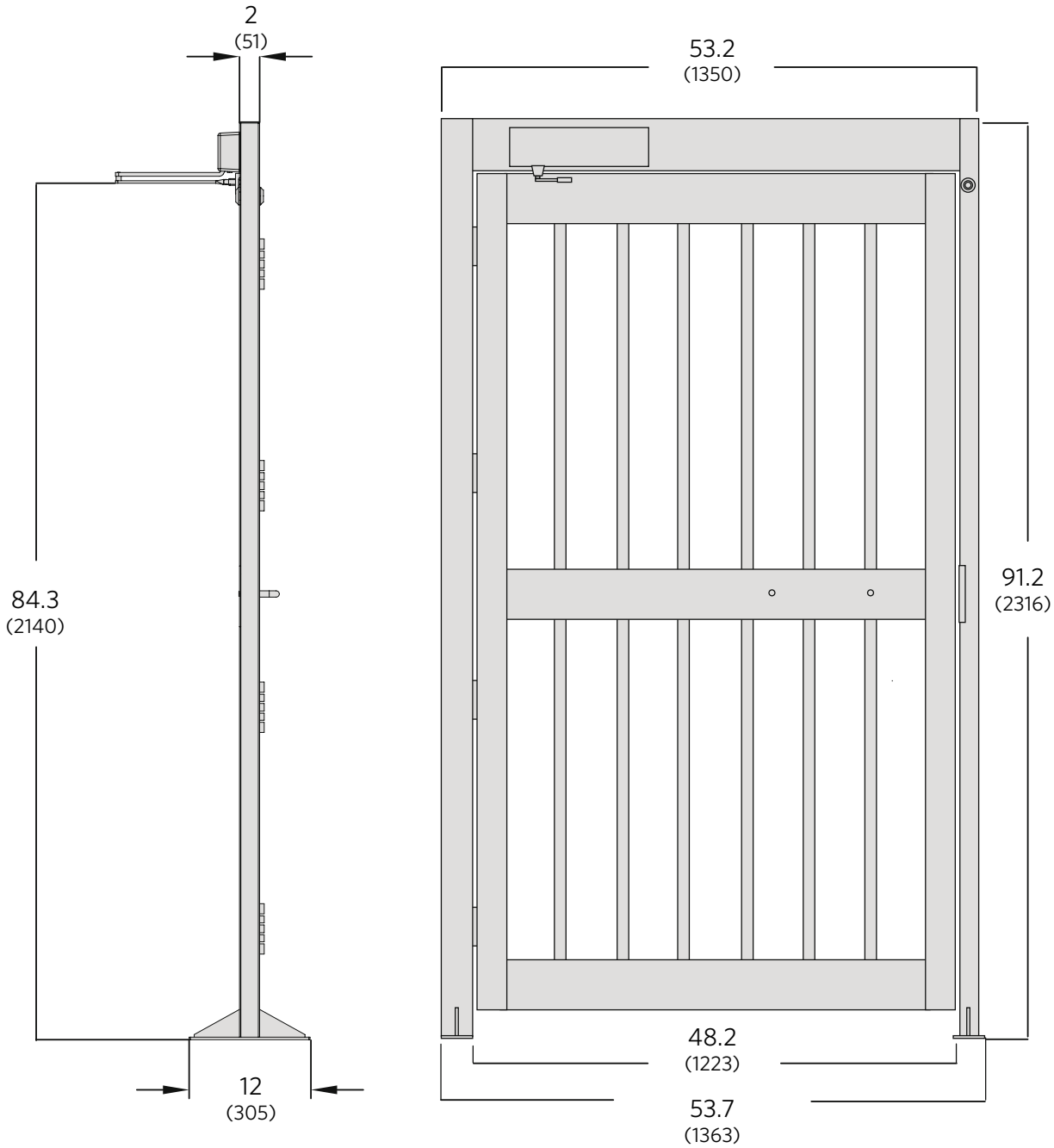
MSG gates are shipped fully assembled and ready for installation.

### SITE PREPARATION

All gates must be installed on a firm foundation in a manner that allows the required power and activation signal cabling to be pulled into the unit. The recommended slab platform should be 4" deep, level concrete. Concrete anchors, bolts and washers are included with each gate. Gates should be secured to adjacent fencing, turnstile or similar solidly anchored equipment. Installation should be performed by a skilled installer following Alvarado's directions and instructions. Detailed drawings and installation manuals are available online.

## TECHNICAL DIMENSIONS

Dimensions are shown in inches (mm). All measurements are approximate.



| Electrical | Description | |
|---|---|---|
| Plug-in Power Supply | See information provided earlier in the specification. | |
| Power Requirements | See information provided earlier in the specification. | |
| **Weights and Environmental** | | |
| Product Weight | 350 lbs. | 159 kg |
| Shipping Weight | 500 lbs. | 227 kg Includes weight of shipping crate(s) |
| Operating temperature | -20° to 120° F | -7 to 49° C |
| Storage Temperature | -30° to 160° F | -34 to 71° C |
| Relative Humidity | 0-90% (non-condensing) | -- |

## WARRANTY

For a period of one year from the date of shipping, Alvarado will replace or repair, at Alvarado's option, any products or parts which are defective in materials or workmanship, provided recommended installation and maintenance procedures are followed. This warranty is void if damage is due to improper installation, maintenance or use. This warranty is limited to parts only, and does not cover labor or shipping charges incurred in connection with the removal or replacement of warranted products or parts.

This warranty is expressly made in lieu of any and all other warranties, expressed or implied, including, but not limited to implied warranties of merchantability and fitness for a particular purpose. Alvarado shall not be liable for any loss or damage, directly or indirectly, arising from the use of purchased products. In no event shall Alvarado be liable to buyer for consequential damages, special damages, incidental damages, loss of use, business interruption, loss of profits, or damages of any kind arising out of the use or inability to use a purchased product. In NO event shall Alvarado be liable for damages which exceed the purchase price of a covered product.