



SSGX Technical Specifications

Product Name

Waist High Gate – Model SSGX

Manufacturer

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Product Description: The SSGX gate is an electric lock controlled, waist high, self-closing gate. The standard SSGX is an electric strike locking gate with a gravity closure mechanism installed in the hinge post. The SSGX gate arm is equipped with a locking latch and swings in one direction. The following lock configuration of the SSGX is available:

- **Electric Strike Lock** – Provides 12 VDC electric lock control. A fail safe (lock disengages when power is removed) electric strike lock is provided unless otherwise specified. An optional fail lock electric strike lock is available.

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

Mechanical Components:

- The **Gate Arm** is a fully welded assembly constructed of 1.5" diameter x 16-gauge stainless steel tubing. The assembly consists of a tubular arm frame bent to form a "U" shape with two notched and welded interior vertical pieces. All welds are ground smooth. The top of the gate arm is 36.6" from the floor. The bottom of the gate arm is 20" from the floor. In a fully open (90 degree) position, the gate provides a clear opening of 35" (latch post base flange to hinge post tabs).

- The **Latch Post** is constructed from a 2.25" diameter x 16-gauge stainless steel tube with a 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 base flange cover is provided.
- The **Hinge Post** is constructed from a 2.25" diameter x 16-gauge stainless steel tube with a 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 base flange cover is provided.

Finishes: The SSGX 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: SSGX 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 36.67".

Electrical Components and Functionality: The following are the electrical requirements and standard functionality of the SSGX:

- **Power** – The SSGX has a standard input power requirement of 120 VAC. Primary power is stepped down and rectified for low voltage 12 VDC operation. The actual current draw of the SSGX will vary depending on the application, but the maximum draw under any circumstance is 0.25 A per gate. The 120 VAC power supply provided is capable of being plugged into a wall outlet or power strip. The provided power supply is designed to power only the supplied gate, and no other external devices.
- **Activation** – The SSGX requires a sustained normally closed activation to unlock the gate. The gate lock will not re-engage until the switch is released and the gate arm is closed.

Shipping: SSGX 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 SSGX 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 SSGX 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 latch post. 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 SSGX gates:

- **Fail Lock Electric Strike Lock** – The electric strike lock will remain locked upon power loss. Fail lock SSGX gates require a sustained normally open activation to unlock the gate. Alvarado Part #10-3111.
- **Crash Plates** – Crash plates are 8” high and run the entire length of the gate arm. Crash plates are constructed from 1/8” stainless steel and are welded to the upper portion of the gate arm assembly.
- **Push Button Assembly for Unlocking Gate Remotely** – Red activation button installed in a black plastic box. Alvarado Part #PB-2.
- **Small “Press to Exit” Button Assembly** – Alvarado Part #10-1422.
- **Large “Press to Exit” Button Assembly** – Alvarado Part #10-1423

Warranty: Alvarado Manufacturing Co., Inc. warrants the SSGX 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.