

Swing Arm Gate

Description

The Swing Arm Gate is a simple, rugged design based on the traditional swing gate configuration. All the important features of the traditional swing gate - ease of manual operation and simple design - have been retained and upgraded to DOS crash standards. A single Swing Arm Gate consists of a superpost with high-strength hinges, a beam assembly, and a superpost with a high-strength catching mechanism. For long spans or split traffic situations, two single gates can be combined with a removable center-catching superpost. The catching mechanism is passive - no operator action is required to catch the beam and provide crash protection. The Swing Arm Gate can be provided in varying clear-span lengths and crash ratings. Positive-locking mechanisms can be provided that allow the Swing Arm Gate to be locked in the closed position. With an operator, it can be fully integrated with optional equipment - warning lights, audible alarms, traffic loops, vehicle sensors, and card readers. Finish options include epoxy paint or powder coat.

Certification

The Swing Arm Gate is designed to stop a 15,000-lb. vehicle traveling at speeds up to 50 mph (DOS K-12 crash rating). A crash rating certificate will be provided.

Applications

The Swing Arm Gate is suitable for installation in most situations that require a crash-rated gate. Adequate clearance must be provided for the arm to swing horizontally. Its aesthetically pleasing configuration makes it exceptionally well suited for large parking areas.

Installation

Installation of the Swing Arm Gate involves excavation for the superposts, setting and aligning the gate components, placement of concrete, and attaching the operator (if provided). Gate installation is in accordance with detailed drawings and instructions provided with the unit. Operator installation is in accordance with manufacturer's instructions. A shallow-mount foundation is available.

Operation

The Swing Arm Gate can be operated either manually or by an operator. The hinges, low-friction bearings, and overall balance of the beam provides for easy manual operation. Operator controls can be from a local push button station or integrated with optional sensing and access control equipment.

Maintenance

The Swing Arm Gate is constructed using heavy-duty commercial components. Minimal maintenance is required. It has few moving parts and is designed for long-lasting wear with



Combination Swing Arm Gate with removable center superpost.

disassembled and reassembled on-site if needed. Gate maintenance consists of periodic visual inspection and hinge lubrication. All components of the gate and operator are readily accessible for maintenance and are off-the-shelf items. Maintenance and service contracts are available if desired

Product Documentation

- Detailed installation drawings and instructions specific to each customer product
- Crash certification, warranty, and technical specification
- O&M manual
- Spare parts list
- Most parts are off-the-shelf

Ongoing Product Support

- Timely response to customer inquiries
- On-site installation oversight
- On-site maintenance and troubleshooting assistance
- Highly qualified support personnel who hold government security clearances
- Training of customer security and maintenance personnel

Features

- Powder coated or painted in over 300 colors
- All parts affecting crash worthiness are galvanized
- Simple, low-cost option for obtaining crash rated protection