

SWING ARM GATE



The **SWING ARM GATE (SAG)** features a structural steel beam that opens horizontally for crash rated vehicle security.

Great for controlled access points with low to medium vehicle traffic, the manually operated SAG can secure multiple lanes of traffic or wide checkpoints up to 36 feet, or up to 32 feet with the electro-mechanical operated SAG. For longer spans or split traffic situations two single gates can be combined with a removable or fixed center receiver superpost.

The unique 90° pivot assembly allows for unobstructed use of the roadway, safe positioning of the arm, and minimal setback from the roadway opening. The optional 180° pivot allows for the open arm to be secured without obstructing the surrounding area.

The SAG can be installed across existing roadways with no roadway excavation. It only requires excavation outside the roadway opening, easily avoiding underground utilities and other obstructions. The optional Concrete Barrier and Surface Mounted versions require no excavation. In manual operation, the hinges, low friction bearings, and overall balance of the beam require minimal force for opening and closing. The catching mechanism is passive - no operator action is required to catch the beam and provide crash protection. Positive locking mechanisms can be provided that allow the SAG to be locked in the closed or open positions.

The SAG is available in manual and operated models. The operated SAG is entirely electro-mechanical, making it ideal for sites where hydraulic fluids are prohibited. It includes a warning horn, flashing light, inherent entrapment sensing and photoelectric sensor in accordance with UL 325 standards. Operated models include control panel, controls, and electro-mechanical operator.

FEATURES

- Crash rated for M30/P1, M40/P1 and M50/P1
- Additional crash ratings available (including ratings above M50/P1)
- All steel construction
- Electro-mechanical or manual operation
- No roadway excavation and minimum excavation outside roadway opening
- Roadway openings up to 32 feet (operated model) or 36 feet (manual model)
- 38" beam height
- 10 second operating speed from open position to closed
- Multiple foundation/mounting configurations to fit any installation site
- Powder Coat finish standard; other finishes available

IDEAL INSTALLATION

- **Footprints with Clearance on the Attack Side of the Barrier** (*where forward clearance is available but lateral, vertical and rear clearances are limited*)
- **Footprints with Underground Obstructions** (*Zero excavation of roadway; minimal to zero excavation outside of roadway*)
- **Vehicle Entrances or Sally-Ports with Low to Medium Traffic Volume** (*up to 120 duty cycles per hour*)
- **Remote Entrances** (*tamper-proof lock, low maintenance manual operation*)

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TECHNICAL DATA

Variation	Deep Mount (Standard)	Concrete Barrier Mount
Crash Rating	K4, K8, K12 M30/P1, M40/P1, M50/P1 *Additional ratings available	K4, K8, K12 M30/P1, M40/P1, M50/P1 *Additional ratings available
Clear Opening	Min: 12 ft Max: 32 ft Max (Manual Only): 36 ft	Min: 12 ft Max: 32 ft Max (Manual Only): 36 ft
Deployment Height	38" (top of beam)	38" (top of beam)
Post Height	45" (Receiver Superpost) 68" (Hinge Superpost)	45" (Receiver Superpost) 68" (Hinge Superpost)
Foundation Depth	60" (Standard)	n/a
Foundation Size (ea. End Post)	48" diameter (round) 36" x 48" (rectangle)	48" x 61" (surface footprint ea. end)
Concrete Type	3,000 psi	3,000 psi
Operation Options	Electro-mechanical Manual	Electro-mechanical Manual
Operating Speed	approx. 10 seconds	approx. 10 seconds
Duty Cycle	120 cycles/hour	120 cycles/hour
Weight	5,000 lbs	5,000 lbs
Power Requirements	Single Phase: 240 V 3-Phase: 208/460 V	Single Phase: 240 V 3-Phase: 208/460 V
Operating Temperature	-4° to 140° F	-4° to 140° F
Reflective Tape	Optional	



ACCESSORIES

Electro-Mechanical Units Only

	STANDARD	OPTIONAL
Photoelectric Sensors	•	
Edge Sensors	•	
Loop Detectors		•
Speed Detectors		•
Closed Position Sensor		•
Warning Horn	•	
Flashing Light	•	
Traffic Lights		•
LED Lights		•
Voice Alarm		•
Cooling Fans		•
Key Lockable 3 Button Control Panel	•	
Magnetic Lock	•	
Digital Keypad		•
Card Reader		•
Handheld Remotes		•
Intercom		•