

## COMBINE A TRADITIONAL TRAFFIC CONTROL GATE WITH THE SECURITY OF A CRASH RATED BARRIER.

- ▶ The unique, fully-vertical position (90° up) allows for unobstructed use of the roadway, safe positioning of the arm, and minimal setback from the roadway opening.
- ▶ Includes a positive locking device for securing the arm in the down position. The DAG's passive safety latching mechanism engages on vehicle impact.

### DROP ARM GATE



STANDARD MOUNT DROP ARM GATE



CONCRETE MOUNT DROP ARM GATE

A standard foundation **Drop Arm Gate** (DAG) can be installed across existing roadways with minimal excavation; primary excavation is outside the roadway opening, easily avoiding underground utilities and other obstructions.

The concrete barrier mounted DAG allows for installation with no excavation required. This option offers a modular solution that deploys easily with forklift or crane capabilities.

The DAG is available in manual and operated models. The operated DAG is entirely electro-mechanical, making it ideal for sites where hydraulic fluids are prohibited. Counterweights can be adjusted in manual operation to require minimal force for raising and lowering.

Consider a **DROP ARM GATE** with additional security of a crash rated barrier.

### FEATURES

- Crash engineered for M30, M40, M50, and 15,000 lbs at 50 mph
- All steel construction
- Electro-mechanical or manual operation
- Roadway openings up to 24 feet
- 38" beam height
- 10 second operating speed from full 90° vertical position to horizontal
- Double-sided protection
- Compact footprint (extended lateral clearances not required)
- Multiple foundation/ mounting configurations to fit any installation site
- Powder Coat finish standard; other finishes available

# DROP ARM GATE

## TECHNICAL DATA

VARIATION	STANDARD FOUNDATION	CONCRETE BARRIER MOUNT
Crash Engineered Rating	K4, K8, K12 M30, M40, M50 15,000 LBS @ 50MPH	K4, K8, K12 M30, M40, M50 15,000 LBS @ 50MPH
Clear Opening	Min: 12 ft Max: 24 ft	Min: 12 ft Max: 24 ft
Deployment Height	38" (top of beam)	38" (top of beam)
Post Height	57"	57"
Foundation Depth	60" (Standard)	n/a
Foundation Size (ea. End Post)	36" x 48" (rectangle)	60" x 168" (5' x 14' rectangle)
Concrete Type	5,000 psi	5,000 psi
Operations Options	Electro-mechanical Manual	Electro-mechanical Manual
Operating Speed	10 seconds	10 seconds
Duty Cycle	120 cycles/hour	120 cycles/hour
Weight	7,500 lbs	7,500 lbs
Power Requirements	Single Phase: 240 V 3-Phase: 230/460 V	Single Phase: 240 V 3-Phase: 230/460 V
Operating Temperature	-10 $\frac{1}{2}$ to 150 $\frac{1}{2}$ F	-10 $\frac{1}{2}$ to 150 $\frac{1}{2}$ F
Reflective Tape	Optional	n/a



## ACCESSORIES Electro-Mechanical Units Only

### IDEAL INSTALLATION

- Compact Footprints with Clearance Constraints *where vertical clearance is available but lateral, forward and rear clearances are limited.*
- Footprints with Underground Obstructions *minimal excavation of roadway; foundation excavation outside of roadway*
- Busy Vehicle Entrances or Sally-Ports with Medium to High Traffic Volume *up to 120 duty cycles per hour; low noise thresholds*

ACCESSORY	STANDARD	OPTIONAL
Photoelectric Sensors	✓	
Loop Detectors		✓
Speed Detectors		✓
Closed Position Sensors		✓
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		✓