



 **HySecurity**[®]

Simple. Reliable. Secure.[®]

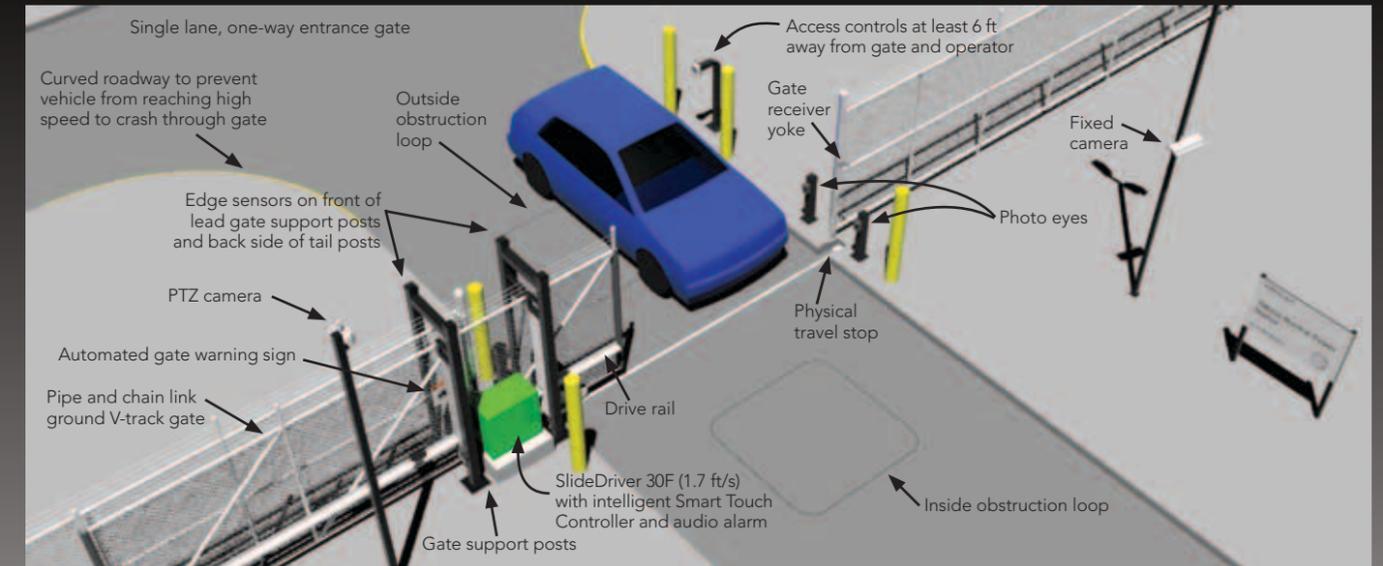
Gate Operators &
Accessories

Specifications &
System Integration Support



Industrial – Ohio

SlideDriver™ Gate System



SlideDriver gate system with some required and optional accessories.



Utilities – Oklahoma



Correctional Facility – California



Aviation – Oklahoma

SlideDriver™

Industrial, government, aviation, military, corporate, commercial, correctional facility

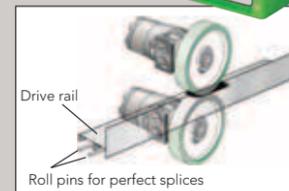
As the original ultra-reliable and secure hydraulic slide gate operator, SlideDriver™ is chosen for thousands of secure sites nationwide. Fully enclosed hydraulic motors drive a rigid drive rail passing between two compressed polyurethane wheels. Few moving parts. Lasts decades.

Site: Mission critical high security and reliability. High cycle. Light to extremely heavy gates. Very long gates. Crash gates. Any gate style. Quick open. Low maintenance.

Typical Sites: Airport, government, freight handling, nuclear, power, railway, military base, embassy, water treatment, petrochemical, correctional facility, law enforcement, port, sports arena.

Operator: Continuous duty. Hydraulic. Smart Touch Controller with diagnostics and integrated security reporting. 1 to 3 ft/s, up to 20,000 lb gate. Gate length limited only by weight. All voltage/phases. Steel cover. Out-of-box synchronization with all HySecurity operators for master-slave, sally port or other specialized, multiple operator applications.

Options: HY-5A intelligent vehicle detectors, 12 inch base riser, tamper proof heavy gauge cover, cabinet lock, specialty gate locking kits, UPS battery backup, Emergency Fast Operate, snowbrush kit, custom colors, more. Compatible with all available access control, safety, vehicle detection and many other accessories.



Power transmission: hydraulic motors to drive rail. Polyurethane drive wheel tread eliminates the high wear, metal-to-metal contact of conventional chain-drive systems.

Special Models

Fast Models: Available in fast, 2 to 3 ft/s models for high security, non-public applications (UL Class III, IV).

Emergency Fast Operate: Normal operation opens and closes gate at 2 ft/s. In emergency situation, press and hold button for Emergency Fast Close at 3 ft/s (UL Class III, IV).

UPS Backup: Full functionality and 3000 ft backup travel during AC Power outage using DC power from two 110 Ah batteries and a 25 A charger. The ultimate in reliable security.

Correctional Facility: Heavier, 10 gauge cover with high security lock for added protection. Program for sally port, external lock mechanisms, and gate position indicator. Available with an optional internal deadbolt

gate lock.

Modular: Electrical control box, pump, and motor assembly are remotely located in a separate metal enclosure. The only equipment left in the SlideDriver chassis are limit wheel assemblies, hydraulic motors, and limit switches. Normally chosen for high security sites or where extremely quiet operation is necessary.

	1,000 lb Gates 1 ft/s	3,000 lb gates 1.7 ft/s	4,000 lb Gates 1 ft/s	5,000 lb gates 2.2 ft/s	5,000 lb gates 2.2 ft/s EFO 3 ft/s	5,000 lb gates 3 ft/s	8,000 lb gates 1 ft/s	20,000 lb gates 1 ft/s
Model	SlideDriver 10	SlideDriver 30F	SlideDriver 40	SlideDriver 50VF2	SlideDriver 50VF2-EFO	SlideDriver 50VF3	SlideDriver 80	SlideDriver 200
Part #	222 SS ST	222 EX 1.7 ST	222 E ST	222 X2 ST	222 X2EFO ST	222 X3 ST	222 X1 ST	444 XS ST
Duty Cycle	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous
Horsepower	1 hp	2 hp	1 hp	2 hp	2 hp	2 hp	2 hp	5 hp
Drive Wheels	Two 6" wheels	Two 6" wheels	Two 6" wheels	Two 8" wheels	Two 8" wheels	Two 8" wheels	Two 8" wheels	Four 8" wheels
Gate Weight	1,000 lb gate max.	3,000 lb gate max.	4,000 lb gate max.	5,000 lb gate max.	5,000 lb gate max.	5,000 lb gate max.	8,000 lb gate max.	20,000 lb gate max.
Gate Length	Limited only by weight	Limited only by weight	Limited only by weight	Limited only by weight				
Drawbar Pull	300 lb	300 lb	600 lb	1,200 lb				
Rate of Travel	1 ft/s	1.7 ft/s	1 ft/s	2.2 ft/s	2.2 ft/s with Emergency Fast Close at 3 ft/s	3 ft/s	1 ft/s	1 ft/s
1 Phase Voltage	115/208/230 60 Hz 110/220 50 Hz	208/230 60 Hz 220 50 Hz	115/208/230 60 Hz 110/220 50 Hz	208/230 60 Hz 220 50 Hz	208/230 60 Hz 220 50 Hz	208/230 60 Hz 220 50 Hz	208/230 60 Hz 220 50 Hz	230 60 Hz
3 Phase Voltage	208/230/460/575 60 Hz 220/385 50 Hz	208/230/460/575 60 Hz 220/385 50 Hz	208/230/460/575 60 Hz 220/385 50 Hz	208/230/460/575 60 Hz 220/385 50 Hz				
UL 325 Listing	Usage Class I, II, III, IV	Usage Class III, IV	Usage Class I, II, III, IV	Usage Class III, IV	Usage Class III, IV	Usage Class III, IV	Usage Class III, IV	Usage Class III, IV
Warranty	5 year	5 year	5 year	5 year				

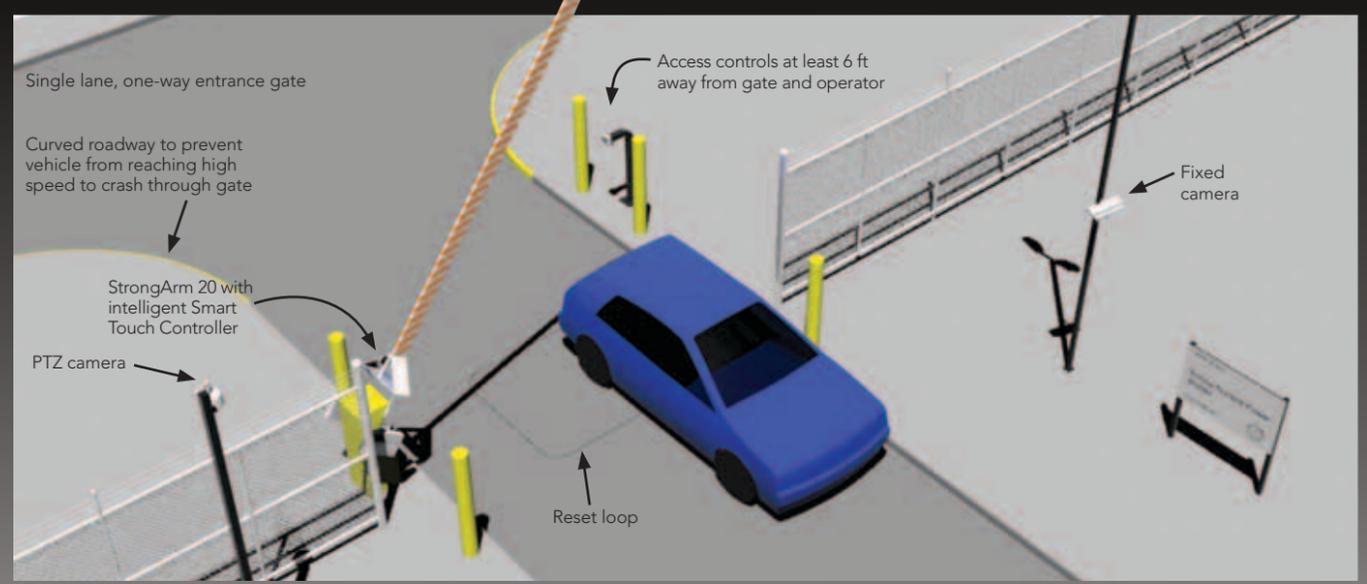
Additional models available

UPS Backup	SlideDriver 10 UPS	SlideDriver 30F UPS	SlideDriver 40 UPS	-	-	-	SlideDriver 80 UPS	SlideDriver 200 UPS
Correctional Facility	-	SlideDriver 30F-C	SlideDriver 40-C	SlideDriver 50VF2-C	SlideDriver 50VF2-EFO-C	SlideDriver 50VF3-C	SlideDriver 80-C	SlideDriver 200-C
Modular	SlideDriver 10-M	SlideDriver 30F-M	SlideDriver 40-M	SlideDriver 50VF2-M	SlideDriver 50VF2-EFO-M	SlideDriver 50VF3-M	SlideDriver 80-M	SlideDriver 200-M



Watson Pharmaceuticals – California

StrongArm™ Gate System



StrongArm gate system with some required and optional accessories.



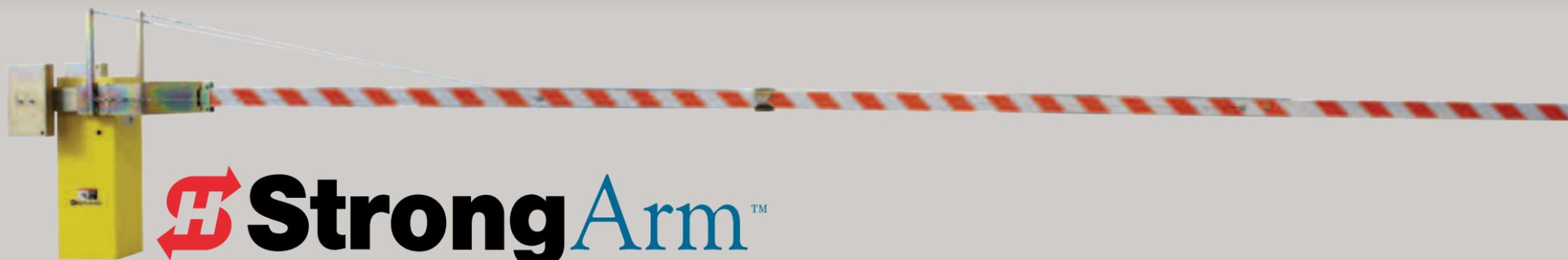
Military – Antilles



Port – Washington



Aviation – Kansas



StrongArm™

Industrial, government, aviation, military, corporate, commercial

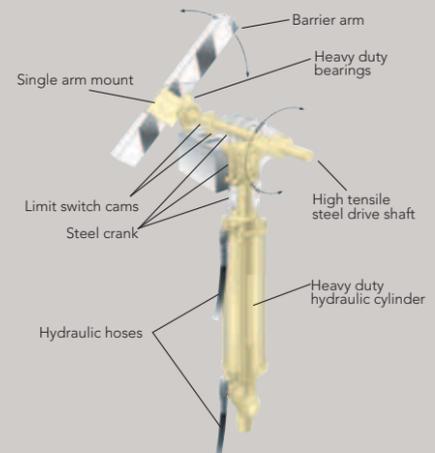
StrongArm™ meets the demanding reliability requirements of corporate, industrial and governmental users and the very long arm needs of specialty applications like airport runways and multiple traffic lanes.

Site: Ultra reliability. High cycle. Heavy arms. Wide openings. Low maintenance.

Typical Sites: Port, railway, drawbridge, petrochemical, corporate campus, airport runway, traffic control, Department of Transportation.

Operator: Hydraulic. Smart Touch Controller with diagnostics and integrated security reporting. Industrial grade components. 2 to 8 second open or close. Up to 36 ft arms. Wood, aluminum, fiberglass side or yoke mount arms. All voltages/phases. 2,000 cycles per day. Out-of-box synchronization with all HySecurity operators for master-slave, sally port or other specialized, multiple operator applications.

Options: HY-5A intelligent vehicle detectors, UPS battery backup custom colors, compatible with all available access control, safety, vehicle detection and many other accessories.



StrongArm™ Power Coupling to Shaft

Special Models

Fast: 2 seconds to open, 3 seconds to close. Up to 14 ft arm. 2,000 cycles/day maximum. No counterweights required.

Multiple Lane: Models that will operate a 28 ft to 36 ft barrier arm, opening to full open in 5 to 8 seconds. 2,000 cycles/day maximum. Chosen for multiple traffic lane and airport runway management.

UPS Backup: All StrongArm UPS models provide full functionality during AC power outage using DC power from uninterruptible power supply batteries (UPS). 100-cycle back-up provided by two, 110 Ah batteries and a 25 A charger (more batteries yield more DC cycles). The ultimate in reliability.

	Fast	Standard	Heavy Duty	
Model	StrongArm 14F	StrongArm 20	StrongArm 28	StrongArm 36
Part#	HTG 320-2 ST	HTG 320-3 ST	HTG 320-6 ST	HTG 320-8 ST
Duty Cycle	2,000 cycles/day	2,000 cycles/day	2,000 cycles/day	2,000 cycles/day
Horsepower	3/4 hp	3/4 hp	3/4 hp	3/4 hp
Open/Close Time	2 seconds to open; 3 seconds to close	3 seconds to open; 4 seconds to close	5 seconds to open; 6 seconds to close	8 seconds to open; 8 seconds to close
Arm Length Capacity	Up to 14 ft	Up to 20 ft (Side mount available for arms up to 18 ft)	Up to 28 ft	Up to 36 ft
Arm Designs	Side mount aluminum or fiberglass (Wood up to 14 ft)	Side or center yoke aluminum or fiberglass (Wood up to 14 ft)	Center yoke aluminum or fiberglass	Center yoke aluminum or fiberglass
1 Phase Voltage	115/208/230 60 Hz 110/220 50 Hz	115/208/230 60 Hz 110/220 50 Hz	115/208/230 60 Hz 110/220 50 Hz	115/208/230 60 Hz 110/220 50 Hz
3 Phase Voltage	208/230/460/575 60 Hz 220/380 50 Hz	208/230/460/575 60 Hz 220/380 50 Hz	208/230/460/575 60 Hz 220/380 50 Hz	208/230/460/575 60 Hz 220/380 50 Hz
UL 325 Listing	Usage Class I, II, III, IV	Usage Class I, II, III, IV	Usage Class I, II, III, IV	Usage Class I, II, III, IV
Warranty	5 year	5 year	5 year	5 year

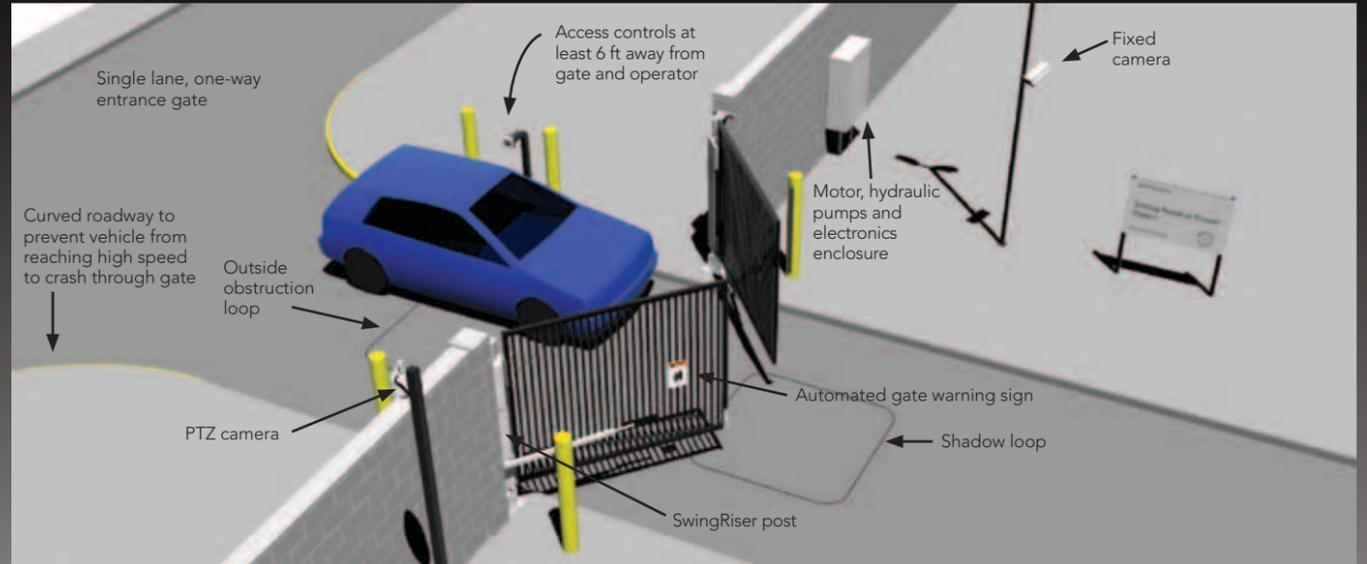
Additional models available

UPS Backup	StrongArm 14F UPS	StrongArm 20 UPS	StrongArm 28 UPS	StrongArm 36 UPS
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United Nations – New York

SwingRiser™ Gate System



SwingRiser gate system with some required and optional accessories.



Railroad – Washington



Residential – Arizona



Military Crash Gate – West Virginia

SwingRiser™

Industrial, government, military, corporate, commercial, residential

SwingRiser™ opens gates with an elegant lift and swing movement, raising the gate panel a full 12 inches during the gate opening cycle. Lifting clears obstacles like snow, rocks, curbs, and gradient differences. SwingRiser's locking pin secures the gate as it drops into a roadway locking receptacle when the gate gently lowers at the end of its cycle.

Site: Ultra high security and reliability. High cycle. Large, heavy gates. Utility or elegant. Pipe and steel, aluminum, chain link, ornamental iron, crash gates, more.

Typical Sites: Port, railway, embassy, gated community, sports/entertainment, VIP estate.

Operator: Hydraulic. Smart Touch Controller with diagnostics and integrated security reporting. 14 to 30 second open. Up to 3,000 lb/gate leaf. 90° or 100°, in or out swing. All voltages/phases. Continuous duty. Out-of-box synchronization with all HySecurity operators for master-slave, sally port or other specialized, multiple operator applications.

Options: HY-5A intelligent vehicle detectors, UPS battery backup, custom post height, compatible with all available access control, safety, vehicle detection and many other accessories.



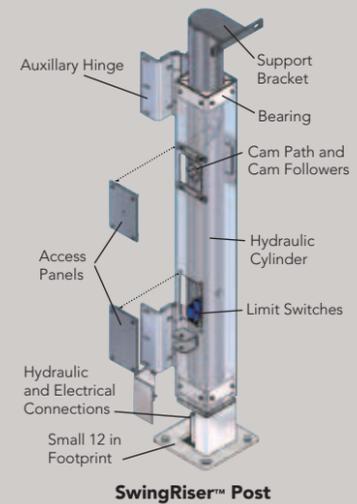
HYDRAULIC

Special Models

Twin: SwingRiser Twin models use one electric motor, one hydrosupply and one remote enclosure to open and close two gates simultaneously, reducing the overall system cost considerably. SwingRiser comes standard with a mechanical lock via hydraulics and a locking pin and receptacle, virtually eliminating the need for optional external locks.

Leaf Delay: Some two-gate swing operators require independent operation, with one delayed leaf operation to allow for special locking mechanisms or to facilitate an aesthetic one leaf folding over the other close cycle. This requires two separate operators, each with its own electric motor, hydrosupply and remote enclosure. Programming the Smart Touch Controllers defines the length of leaf delay.

UPS Backup: All SwingRiser UPS models provide full functionality during AC power outage using DC power from uninterruptible power supply batteries (UPS). 100-cycle backup provided by two 110 Ah batteries and a 25 A charger. The ultimate in reliable security.



SwingRiser™ Post

HYDRAULIC

	1,000 lb gate, 14 second open		1,600 lb gate, 19 second open		3,000 lb gate, 30 second open	
	Single leaf	Twin	Single Leaf	Twin	Single Leaf	Twin
Model	SwingRiser 14	SwingRiser 14 Twin	SwingRiser 19	SwingRiser 19 Twin	SwingRiser 30	SwingRiser 30 Twin
Part #	HRG 220-A ST	HRG 222-A ST	HRG 220-B ST	HRG 222-B ST	HRG 220-C ST	HRG 222-C ST
Duty Cycle	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous
Horsepower	1 hp	2 hp	1 hp	2 hp	1 hp	2hp
Drive	Hydraulic cylinder					
Gate Size	up to 9 ft wide	up to 9 ft wide each leaf	up to 16 ft wide	up to 16 ft wide each leaf	up to 16 ft wide	up to 16 ft wide each leaf
Gate Weight	1,000 lb	1,000 lb/leaf	1,600 lb	1,600 lb/leaf	3,000 lb	3,000 lb/leaf
Open/Close Time	14 seconds	14 seconds	19 seconds	19 seconds	30 seconds	30 seconds
1 Phase Voltage	115/208/230 60 Hz 110/220 50 Hz	208/230 60 Hz 220 50 Hz	115/208/230 60 Hz 110/220 50 Hz	208/230 60 Hz 220 50 Hz	115/208/230 60 Hz 110/220 50 Hz	208/230 60 Hz 220 50 Hz
3 Phase Voltage	208/230/460/575 60 Hz 220/380 50 Hz					
UL 325 Listing	Usage Class I, II, III, IV					
Warranty	5 year					

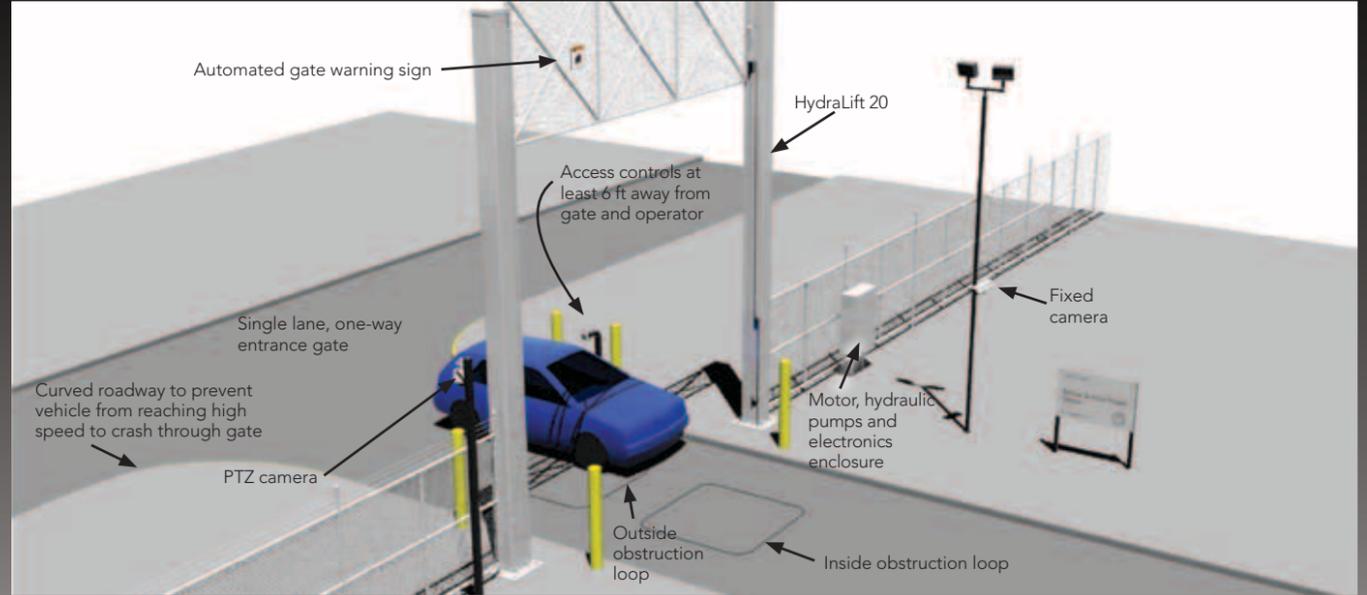
Additional models available

UPS Backup	SwingRiser 14 UPS	SwingRiser 14 Twin UPS	SwingRiser 19 UPS	SwingRiser 19 Twin UPS	SwingRiser 30 UPS	SwingRiser 30 Twin UPS
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Metropolitan Transportation Authority – New York

HydraLift™ Gate System



HydraLift gate system with some required and optional accessories.



Petrochemical – Oregon



Government – Arizona



Industrial – California

HydraLift™

Industrial, government, aviation, military, corporate, correctional facility

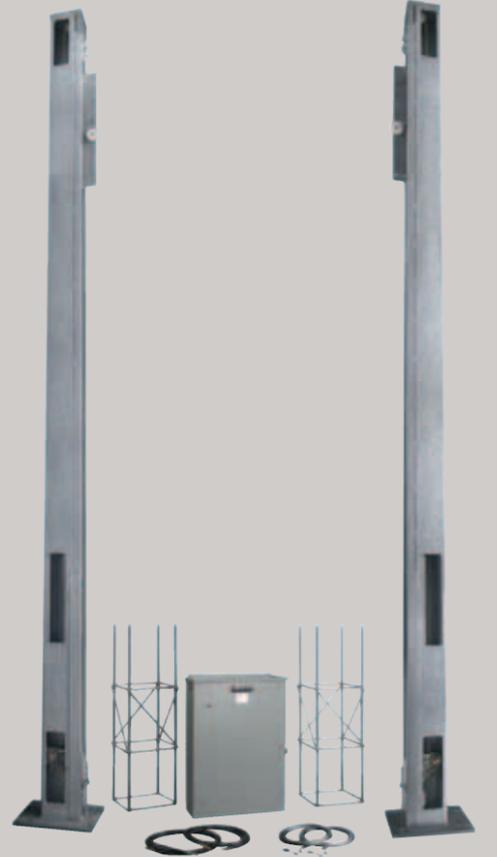
The ultimate in high security and speed. HydraLift™ locks fortress tight without additional hardware. Opens huge gate panels in 8 seconds for quick in and out flows. Hydraulics and controls contained securely in posts and remote panel. Also suited for sites where additional space for swing or slide gates is unavailable.

Site: Ultra high security and reliability. High cycle. Quick open/close. Wide openings. Low maintenance.

Typical Sites: Prison, airport, freight handling, railway, nuclear, power, petrochemical, military base, water treatment, law enforcement, port, fire department, transportation.

Operator: Hydraulic. Smart Touch Controller with diagnostics and integrated security reporting. Industrial grade components. 1 to 2 ft/s. Raises to full 16 ft high opening in as quickly as 8 seconds. Up to 80 ft wide gate panel. All voltages/phases. 1,000 cycles per day. Out-of-box synchronization with all HySecurity operators for master-slave, sally port or other specialized, multiple operator applications.

Options: HY-5A intelligent vehicle detectors, UPS battery backup, compatible with all available access control, safety, vehicle detection and many other accessories.



HYDRAULIC

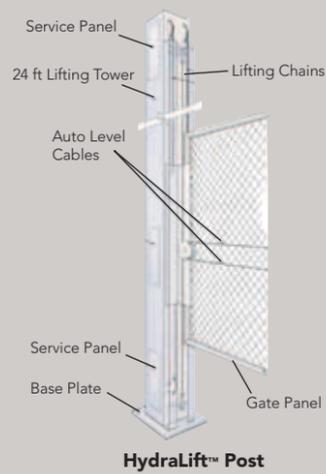
Special Models

Fast: Clears multiple traffic lanes in 8 seconds. Lifts up to a 2,000 lb, 80 ft wide gate panel at 2 ft/s. 24 ft posts (standard height) lift 8 ft tall gate panel to clear a 16 ft high opening. Post height and panel size are customizable.

UPS Backup: All HydraLift UPS models provide full functionality during AC power outage, using DC power from uninterruptible power supply batteries (UPS). 150-cycle back-up travel provided by two, 110 Ah batteries and a 25 A charger, providing the ultimate in reliable security.



Industrial – Minnesota



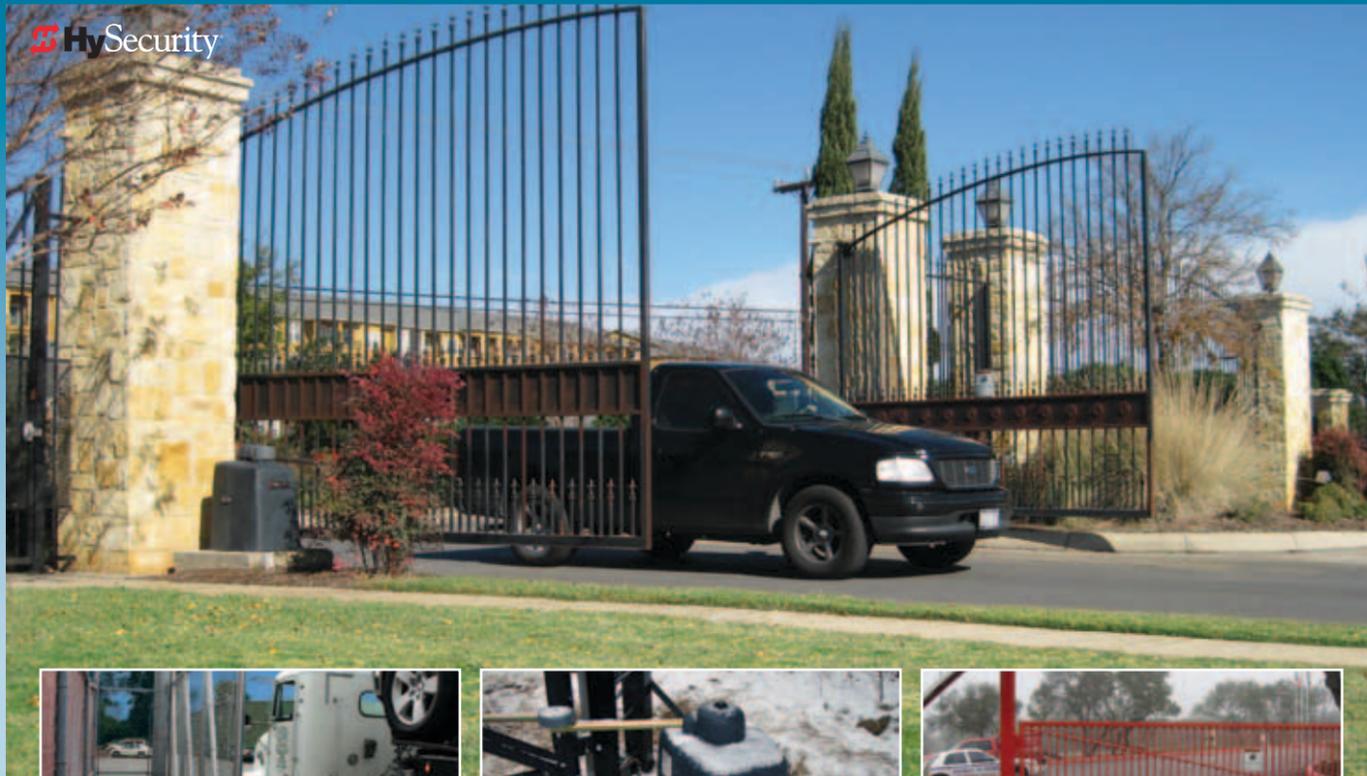
HydraLift™ Post

HYDRAULIC

	Standard	Heavy Duty	Standard	Heavy Duty
Model	HydraLift 10	HydraLift 20	HydraLift 10F	HydraLift 20F
Part#	HVG 420 ST	HVG 460 ST	HVG 420 EX ST	HVG 460 EX ST
Duty Cycle	1,000 cycles/day	1,000 cycles/day	1,000 cycles/day	1,000 cycles/day
Horsepower	2 hp	2 hp	5 hp	5 hp
Gate Weight	1,000 lb gate max.	2,000 lb gate max.	1,000 lb gate max.	2,000 lb gate max.
Gate Length	50 ft max.	80 ft max.	50 ft max.	80 ft max.
Rate of Travel	1 ft/s	1 ft/s	2 ft/s	2 ft/s
1 Phase Voltage	208/230 60 Hz 220 50 Hz	208/230 60 Hz 220 50 Hz	230 60 Hz	230 60 Hz
3 Phase Voltage	208/230/460/575 60 Hz 220/380 50 Hz	208/230/460/575 60 Hz 220/380 50 Hz	208/230/460 60 Hz 220/380 50 Hz	208/230/460 60 Hz 220/380 50 Hz
UL 325 Listing	Usage Class I, II, III, IV	Usage Class I, II, III, IV	Usage Class III, IV	Usage Class III, IV
Warranty	5 year	5 year	5 year	5 year

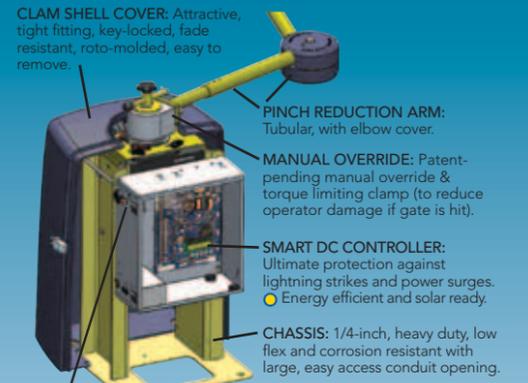
Additional models available

UPS Backup	HydraLift 10 UPS	HydraLift 20 UPS	HydraLift 10F UPS	HydraLift 20F UPS



SwingSmart

UPS backup, pad mounted, variable speed swing gate operator for residential and commercial applications



24V-UPS: Two 8 Ah batteries std. (located behind control box) or room for 2 extended use 50 Ah batteries.

Standard Model	SwingSmart DC 20
Solar Model	SwingSmart DCS 20
Max Gate Weight	1,300 lb (590 kg)*
Max Gate Length	20 ft leaf (6 m)*
Open/Close Time	Adjustable 10 to 15 seconds Open/Close speed set separately
Duty Cycle	Continuous
Temp. Rating	-13°F to 158°F (-25°C to 70°C)
Certification	500,000 cycles
Voltage Input	115V or 230V, 50/60 Hz
Accessory Power	12VDC and 24VDC and 24VAC 1 A each
Communication	USB, RS-232, RS-485, Ethernet option
UL 325 Listing	Usage Class I, II, III, IV
Warranty	5 year (7 year single-family residential)

*Gate capacities: 1,300 lb (590 kg) for a 12 ft (4 m) gate; 800 lb (363 kg) for a 16 ft (5 m) gate; 600 lb (272 kg) for a 20 ft (6 m) gate

Electromechanical Swing and Slide Gate Operators for Residential and Commercial Sites

Ultra Reliability

Field tested in the coldest, hottest, most humid, windy, and brutal environments.

Locking Cover and Robust Chassis

Most moving parts are protected from vandalism and tampering by the heavy duty, key-locked cover. Robust, low flex chassis meets the most demanding site, climate and usage demands.

UPS Backup

Supports normal full system gate operation for days after AC power loss.

Adjustable Speed

Individual programming of open and close speeds from 10 to 15 seconds for swing gates and 0.75 to 2.25 ft/s for slide gates.

Intelligence and Full Security Integration

All HySecurity operators offer industry leading site intelligence and security system integration (USB, RS-232, RS-485, and optional Ethernet). The Smart DC Controller, HySecurity's next generation intelligent controller, offering easy dual gate synchronization, alert, fault and error reporting, maximized battery life, and 32 character LCD screen.

Smart DC Controller

32 character LCD on control board provides troubleshooting and programming instructions in plain English. Program using 5 tact buttons on control board or connect to laptop computer to program and report.



SlideSmart

UPS backup, chain driven, variable speed slide gate operator for residential and commercial applications



Standard Model	SlideSmart DC 15	SlideSmart DC 10F
Solar Model	SlideSmart DCS 15	SlideSmart DCS 10F
Max Gate Weight	1,500 lb (682 kg)	1,000 lb (455 kg)
Max Gate Length	40 ft (12 m)	40 ft (12 m)
Rate of Travel	0.75 to 1.25 ft/s (23 to 38 cm/s) Open/Close speed set separately	1.75 to 2.25 ft/s (53 to 69 cm/s) Open/Close speed set separately
Duty Cycle	Continuous	Continuous
Temp. Rating	-13°F to 158°F (-25°C to 70°C)	-13°F to 158°F (-25°C to 70°C)
Voltage Input	115V or 230V, 50/60 Hz	115V or 230V, 50/60 Hz
Accessory Power	12VDC and 24VDC and 24VAC 1 A each	12VDC and 24VDC and 24VAC 1 A each
Communication	USB, RS-232, RS-485, Ethernet option	USB, RS-232, RS-485, Ethernet option
UL 325 Listing	Usage Class I, II, III, IV*	Usage Class III, IV**
Warranty	5 year (7 year single-family residential)	5 year (7 year single-family residential)

*Speed setting cannot exceed 1 ft/s for Class I and II usage.

**Not for residential use or applications intended to serve the general public.



Residential - Texas



Commercial - Arizona



Residential - Arizona



Port - Washington



Government - Arizona



Residential - Washington



Residential



Industrial - California