



StrongArm[®] M30/M50

Maximum security and stopping power

Crash-rated vehicle barrier with patented dual arm design stops a 15,000 lb truck in its tracks.

Features



Rating

The power to stop a truck in its tracks, with approximately 1 meter of penetration*.



No Power

StrongArm M30 NP/M50 NP (No-power) models defend high security, low-traffic, sites that do not have power.



Models

International certification models (CE) available.



Speed

Open access points in as quick as six seconds, reducing traffic backups by minimizing gate open times.



Design

Patented dual arm design prevents vehicles of all sizes from breaching the secure perimeter.



Safety

Monitored photo eye stops arm when obstructed for enhanced safety.



Touch

Aircraft-grade hydraulics and steel components provide the highest durability.



Arm

Full 90° opening prevents tall vehicles from clipping arm.

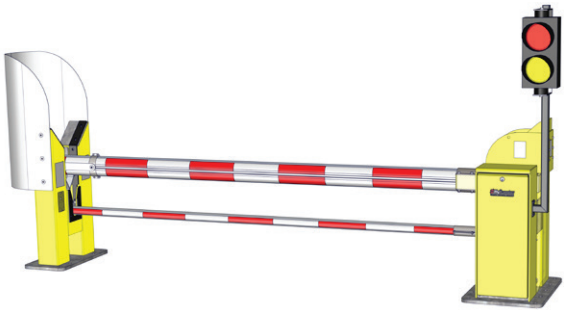


Made in USA

Designed, tested, and built within USA from globally sourced materials.

StrongArm[®] M30/M50

Maximum security and
stopping power



powered by
SmartTouch

Technical Specifications

Model	StrongArmCrash M30	StrongArmCrash M30 CE	StrongArmCrash M50	StrongArmCrash M50 CE	StrongArmCrash M30 NP	StrongArmCrash M50 NP
Crash Certified	ASTM F2656-07 M30-P1*	ASTM F2656-07 M30-P1*	ASTM F2656-07 M50-P2*		ASTM F2656-07 M30-P1*	ASTM F2656-07 M50-P2*
Full Open Angle	90°				Adjustable 88° ± 2°	
Duty Cycle	100 cycles/hr**				Manually operated with rotary crank	
Horsepower	2 hp				n/a	
Drive	Hydraulic					
Open/Close Time	6 to 8 seconds depending on arm length				Open time: approx. 1 to 3 minutes depending on arm length; Close time: approx. 15 to 25 seconds depending on arm length	
Emergency Fast Operate	5 to 7 seconds depending on arm length					
Clear Opening	12 to 24 ft in 2 ft increments (366 to 732 cm in 61 cm increments). Call for custom arm length.					
UPS Battery Backup Cycles	Optional 230VAC Power Supply w/HyInverter™ AC for single-phase AC operators				n/a	
Temperature Rating	-40° to 158° F (-40° to 70° C) or -10° to 158° F (-23° to 70° C) Using biodegradeable fluid.					
Single Phase Voltages	208/230V 50/60Hz				n/a	
Three Phase Voltages	208/230V 50/60Hz or 380/460V 50/60Hz				n/a	
Included Accessories	Operator ships with one traffic light and wired through beam photo eye					
Communication	RS-232, RS-485				n/a	
User Controls	Smart Touch Controller with 70+ configurable settings. Smart Touch keypad and 32 character, OLED display or a PC using S.T.A.R.T. software.				n/a	
Relays	Two configurable user relays: 250VAC, 10A electromechanical; Optional Hy8Relay™ for 8 additional relay outputs				n/a	
Finish	Hot dipped galvanized standard. Optional textured powder coat over zinc-based undercoat.					
Foundation	Shallow mount: 6 x 6 x 2 ft (183 x 183 x 61 cm), 4,000 psi concrete or (CO + 8 ft) x 6 x 1 ft ((CO +244 cm) x 183 x 30.5 cm), 5,000 psi concrete. Deep mount: 4 x 4 x 4 ft (122 x 122 x 122 cm) 4,000 psi concrete. #6 rebar, grade 60		6 x 6 x 4 ft (183 x 183 x 122 cm) 4,000 psi concrete, #6 rebar, grade 60		Shallow mount: 6 x 6 x 2 ft (183 x 183 x 61 cm), 4,000 psi concrete or (CO + 8 ft) x 6 x 1 ft ((CO +244 cm) x 183 x 30.5 cm), 5,000 psi concrete. Deep mount: 4 x 4 x 4 ft (122 x 122 x 122 cm) 4,000 psi concrete. #5 rebar, grade 60	6 x 6 x 4 ft (183 x 183 x 122 cm) 4,000 psi concrete, #6 rebar, grade 60
ETL Listed	Certified to UL 508A by ETL				n/a	
Warranty	5 year w/product registration					

* P1 and P2 rated for 12 ft clear opening. StrongArm M30 features an ASTM F2656-07 M30 P1 rating (1m penetration). StrongArm M50 features an ASTM F2656-07 M50 P2 rating (1.2m penetration). Contact HySecurity to receive a copy of the ASTM F2656-07 M30 or M50 Test Certification.

** The operator's normal duty cycle and the actual number of arm cycles available from battery depends upon arm length/weight, battery size, state of charge and health, ambient temperature, accessory power draw and frequency of arm cycles during power outage. ExtremeCycle option available.

*** 208/230VAC, single-phase AC operators only. See AC Power Supply with HyInverter AC for more information.

Only HySecurity authorized distributors and installers, trained or authorized by HySecurity in proper installation techniques, operation and maintenance, are eligible to purchase HySecurity crash-rated barrier products. Patented dual arm design U.S. Pat. No. 9,822,501 B2

Note: Deep mount foundation is used for M30 crash test.