

StrongArm® M30

StrongArm® 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



Tough:

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 with global materials



StrongArm M30/M50

High Security Anti-Ram



powered by
SmartTouch

Technical Specifications

Model	StrongArm M30	StrongArm M50	StrongArm M30 NP	StrongArm M50 NP
Crash Certified	ASTM F2656-07 M30-P1*	ASTM F2656-07 M50-P2*	ASTM F2656-07 M30-P1*	ASTM F2656-07 M50-P2*
Duty Cycle	100 cycles/hr**, option for continuous duty		Manually operated	
Horsepower	2 hp		-	
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		12 to 24 ft in 2 ft increments (366 to 732 cm in 61 cm increments) Call for custom arm length	
Full Open Angle	90°		Adjustable 88° ± 2°	
Ingress	IP56		IP56	
Temperature Rating	-40° to 158° F (-40° to 70° C) or -10° to 158° F (-23° to 70° C) using biodegradable fluid		40° to 158° F (-40° to 70° C) or -10° to 158° F (-23° to 70° C) using biodegradable fluid	
1 Phase Power	208/230V, 60/50 Hz 20A		-	
3 Phase Power	208/230V, 60/50 Hz, 380/460V, 60/50 Hz		-	
Included Accessories	Operator ships with one traffic light		-	
Communication	RS-232, RS-485, Ethernet/fiber using optional HyNet™ Gateway accessory		-	
User Controls	Smart Touch Controller with 70+ configurable settings, programmed via the keypad and display or a PC using S.T.A.R.T. software.		-	
Relays	Three configurable user relays: one 30VDC, 3A solid state and two 250VAC, 10A electromechanical; Optional Hy8Relay™ for 8 additional relay outputs		-	
Finish	Hot dipped galvanized standard. Optional textured yellow powder coat over zinc plating.		Hot dipped galvanized standard. Optional textured yellow powder coat over zinc plating.	
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. #5 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
Electrical Certification	Control panel certified to UL 508A by ETL		-	
Warranty	5 year w/product registration			
UPS Battery Backup Power				
AC Power Supply with HyInverter AC***	StrongArm M30 AC Power Supply with HyInverter AC	StrongArm M50 AC Power Supply with HyInverter AC	-	
Additional Model				
CE Certification	StrongArm M30 CE	StrongArm M50 CE	-	

* 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's crash-rated barrier products.

Patented dual arm design U.S. Pat. No. 9,822,501 B2



Contact HySecurity for an operator/parts distributor near you.
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