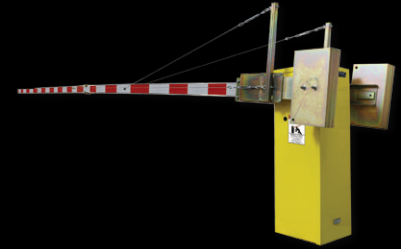


Industrial

# Strong Arm™



Barrier Arm Operator

## Very long arms from 10 - 36 ft

*Hydraulic barrier arm gate known for its reliable service life and arms long enough to control two lanes of traffic.*



Very long arms, from 10 to 36 ft



Easy system troubleshooting with onboard event log



Raise a 36 ft arm in 8 seconds or 10 ft arm in only 2 seconds



DOT model with standard galvanized steel chassis and breakaway arm bracket



Full 90° open on arms up to 28 ft prevents tall vehicles from clipping arm



14F features highly visible lighted arm and resilient bumper



UPS models retain full functionality during an AC power outage\*\*\*



14F model In case of vehicle strike, arm breaks away and arm motion stops, protecting pedestrians, facility and operator/arm



Field programmable to specific site requirements



5 year warranty



Dual or sequenced gate integration



Military



Aviation



Transit

**SYSTEM DESIGN SUPPORT:** Contact HySecurity for help with custom site requirements, CAD drawings, tech manuals or other specifications support.

**VISIT [WWW.HYSECURITY.COM](http://WWW.HYSECURITY.COM)** for installation manuals, parts diagrams, wiring diagrams, specifications, image gallery, videos, training and much more.



[www.hysecurity.com](http://www.hysecurity.com) | 800-321-9947

Manufacturer of industrial and hostile vehicle mitigation barriers, gate operators and accessories.



# Parking and Traffic Control



StrongArm 14F



StrongArm 20



StrongArm 28



StrongArm 36



StrongArmDOT 28

## 10 StrongArm™ Models

|                     | FAST   | STANDARD  | LONGEST ARMS  |   | DOT   |
|---------------------|--|---|---|---|---|
| Model               | StrongArm 14F  | StrongArm 20  | StrongArm 28  | StrongArm 36  | StrongArmDOT 28   |
| Part#               | HTG 320-2 ST   | HTG 320-3 ST  | HTG 320-6 ST  | HTG 320-8 ST  | HTG 320-6 DOT ST  |
| Duty Cycle          | 2,000 cycles/day   |   |   |   |   |
| Horsepower          | 3/4 hp   |   |   |   |   |
| Drive               | Hydraulic  |   |   |   |   |
| Open/Close Time     | 2 seconds to open;<br>3 seconds to close   | 3 seconds to open;<br>4 seconds to close  | 5 seconds to open;<br>6 seconds to close  | 8 seconds to open;<br>8 seconds to close                  | 5 seconds to open;<br>6 seconds to close  |
| Arm Length Max.*    | Up to 14 ft (4.3 m)  | Up to 20 ft (6 m) *<br>Side mount available for arms<br>up to 18 ft (5.5 m)   | Up to 28 ft (8.5 m)*  | Up to 36 ft (11 m)**                                      | Up to 28 ft (8.5 m)*  |
| Arm Design          | Side mount. Lighted<br>aluminum arm with<br>HyProtect™ breakaway arm<br>mount and kill switch,<br>up to 14 ft (4.3 m)                              | Side mount - aluminum up to<br>18 ft (5.5 m), fiberglass up to<br>16 ft (5 m) or wood up to 14 ft<br>(4.3 m). Center yoke mount -<br>aluminum up to 20 ft (6 m) | Center yoke. Aluminum up to<br>24 ft (7 m), fiberglass up to<br>16 ft (5 m), or aluminum-<br>fiberglass 26+ ft (8+ m) | Center yoke.<br>Aluminum-fiberglass<br>up to 36 ft (11 m) | Center yoke. Breakaway arm<br>bracket. Aluminum arms up to<br>24 ft (7 m) or aluminum-<br>fiberglass arms 26 and 28 ft (8<br>and 8.5 m) * |
| Full Open Angle     | 90°  |   |   | Adjustable 86° ± 2°                                       | 90°   |
| Temperature Rating  | -40° to 158° F (-40° to 70° C)   |   |   |   |   |
| 1 Phase Power       | 115/208/230V 60 Hz, 110/220V 50 Hz   |   |   |   |   |
| 3 Phase Power       | 208/230/460V 60 Hz, 220/380V 50 Hz   |   |   |   |   |
| Communication       | RS-232, RS-485, Ethernet/fiber using optional HyNet™ Gateway accessory   |   |   |   |   |
| User Controls       | Smart Touch Controller with 70+ configurable settings. Smart Touch 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              | Zinc plated with yellow powder coating   |   |   |   | Hot dipped galvanized with stainless steel cover  |
| ETL Listed (UL 325) | Usage Class I, II, III, IV   |   |   |   |   |
| Warranty            | 5 year   |   |   |   |   |

### UPS Battery Backup Power Options\*\*\*

| DC Power Supply ††                 | StrongArm 14F UPS                | StrongArm 20 UPS                | StrongArm 28 UPS                | StrongArm 36 UPS                | StrongArmDOT 28 UPS                |
|------------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------------|
| AC Power Supply with HyInverter AC | StrongArm 14F with HyInverter AC | StrongArm 20 with HyInverter AC | StrongArm 28 with HyInverter AC | StrongArm 36 with HyInverter AC | StrongArmDOT 28 with HyInverter AC |

\* Arms 20 ft (6 m) or longer require counterweights.

\*\* Arms 30 ft (9 m) or longer require cable tensioner and arm stabilizer kit and additional counterweights.

\*\*\* 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.

† Refer to Installed Options on pricing for all 50Hz voltages, which are special order.

†† 115V DC Power Supply requires a 30A branch circuit. Choose voltage with care as chargers are not field convertible.

### Optional Accessories - See website for complete list



Oval Aluminum Arm  
(10, 12, 14 ft)



Flashing Light Kit



Hy5B™ Vehicle  
Detector



Hy8Relay™  
Module



HyNet™ Gateway  
Integration



Heater Kit