

# APS 2000 Vehicle Restraint

## Product Specifications



### DESIGN HIGHLIGHTS

- Non-impact design & operation push-button control panel
- Automatic re-engagement
- Restraint positioned automatically by backing trailer
- Automatic interior/exterior 24V LED light communication and sign communication
- Programmable Logic Controller (PLC)
- This product carries a (2) year limited warranty with APS Resource
- Interlock Capable Controls

### AVAILABLE OPTIONS

- ☐ New construction mounting plate
- ☐ Cantilever Bracket \_\_\_\_\_ Projection
- ☐ Pit Floor Mounting Plate
- ☐ Embed Mounting Plate (New Construction)
- ☐ Brick Bracket (Masonry Block Wall)
- ☐ S.W.A.T. (Secondary Warning Alert Technology)
- ☐ Other \_\_\_\_\_

### ACCESSORIES

- ☐ Digital master or combination control panel with HMI \_\_\_\_\_
- ☐ Dock seal / shelter
- ☐ Loading dock light

### PROJECT INFORMATION

JOB NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

GENERAL CONTRACTOR \_\_\_\_\_

DISTRIBUTOR \_\_\_\_\_

QUANTITY \_\_\_\_\_

### CERTIFIED FOR CONSTRUCTION

BY \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

DATE \_\_\_\_\_

**800.933.4834**

The APS 2000® is a superior impact-style restraint with a rotating hook developed specifically to reduce the occurrence of accidents at the dock. The APS 2000 combines an advanced LED communication system with a low-profile restraint carriage.

- 1. **General:** APS 2000® Vehicle restraint is designed to secure a tractor trailer by engaging the rear impact guard. The spring loaded housing is automatically positioned upon contact with the rear impact guard of a backing trailer. The rotating hook mechanism activated by a pushbutton control panel mounted inside the dock. Unit is supplied with red and green interior and exterior flashing LED lights for clear communication.
- 2. **Construction:** The 9" low-profile, fully enclosed, zinc-plated/yellow dichromate housing is constructed of 5/16" steel and is designed to withstand impact from backing trailers. Housing protects all components from damage and the elements. A standard impact extension bar provides a service range of 9" - 25". The L.D.T. Slider Block is made of Delrin plastic with superior strength and high wear resistance.
- 3. **Electrical:** Solid state control panel features a programmable logic controller (PLC) and "real time" diagnostic capability, industrial quality pushbuttons, integral 24V LED red and green lights and printed operational instructions. Electrical components and wiring are UL approved. Requires 120V single phase; the standard panel requires two full load amps. Installation by others.
- 4. **Motor:** 1/10 HP, 115V, IP67S-rated TENV motor with automatic thermal overload and internal brake.
- 5. **Operation:** As the trailer backs in the loading dock, the rear impact guard contacts the restraint housing and positions it down toward the ground. Once the trailer is backed against the bumpers and fully in position, the dock attendant depresses the "ENGAGE" button, causing the rotating hook to engage the rear impact guard and secure the trailer to the dock. The hook mechanism can withstand in excess of 40,000 lbs of pullout force. The APS 2000 maintains constant contact with the rear impact guard and automatically adjusts to the vertical motion of the trailer to ensure positive engagement at all times. A standard audible alarm warns the dock attendant when the rear impact guard has not been properly secured. Once loading/unloading is complete, the dock attendant depresses the "RELEASE" button to disengage the restraint.
- 6. **Installation:** The APS 2000 can be mounted to an optional steel plate that is embedded in the dock face or by 15 anchor bolts (included) plus 16" of weld to the dock curb angle. No modification to the dock leveler is necessary. Installation by others.
- 7. **Warranty:** This product carries a two (2) year limited warranty with APS Resource.

TECHNICAL SPECIFICATIONS

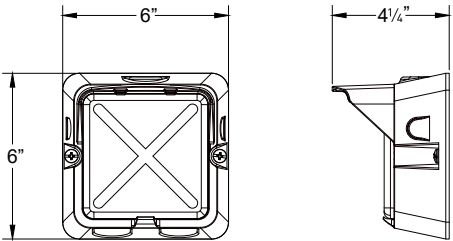
Operation	Rotating hook engages the ICC bar keeping trailers secured to loading dock
Industry Standards	Patented IP67S-rated motor with electro-mechanical brake
	Captures NHTSA regulation rear impact guards
Construction Material	Zinc-plated/yellow dichromate finish for superior corrosion resistance



Exterior lights



Control panel



Serco  
1612 Hutton Drive, Suite 140  
Carrollton, TX 75006  
800.933.4834  
www.sercodockproducts.com

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