

APS 2000®

LOW PROFILE VEHICLE RESTRAINT SPECIFICATION

Standard Design Highlights

- Patented IP67S rated motor with electro-mechanical brake. No adjustment needed!
- Low profile, 9" carriage has a service range of 9"-25" off grade
- Automatic Re-Engagement
- Zerk grease fittings on roller shafts
- Watertight electrical connectors
- Zinc-plated/yellow dichromate finish for superior corrosion resistance
- Restraint positioned automatically by backing trailer
- Captures NHTSA regulation rear impact guards
- LED internal/external light and sign communication
- Standard keyed bypass/override switch with audible alarm
- Optional 30A interlock feature



Project Information

Job Name _____

Address _____

General Contractor _____

Distributor _____

Model _____

Quantity _____

Certified For Construction

By _____

Company _____

Address _____

Date _____



Solid State Control Panel
with Programmable
Logic Controller



Compact Exterior
LED Communication
Lights (Standard)



APS 2000®

LOW PROFILE VEHICLE RESTRAINT SPECIFICATION

Standard Design Highlights

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 up on contact with the rear impact guard of a backing trailer. The rotating hook mechanism is activated by a push-button control panel mounted inside the dock. Unit is supplied with flashing red and green interior and exterior 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".
3. Electrical: All control component are mounted in a gasketed control panel. The panel is fully operational at all times and contains solid state components. The motor and limit switches are completely enclosed in a structural steel housing. Electrical components and wiring are UL approved. Requires 120V single phase with 15 Amp circuit. 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 into 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 32,000 lbs. of pullout force. The APS 2000 maintains constant contact with the rear impact guard and automatically adjust 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 of 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: APS Resource warrants this product will be free from defects in material and workmanship under normal use for (2) years.



Available Options

- ☐ Cantilever Bracket _____ Projection
- ☐ Pit Floor Mounting Plate
- ☐ Embed Mounting Plate (New Construction)
- ☐ Brick Bracket (Masonry Block Wall)
- ☐ 30A Interlock Relay
- ☐ Other

