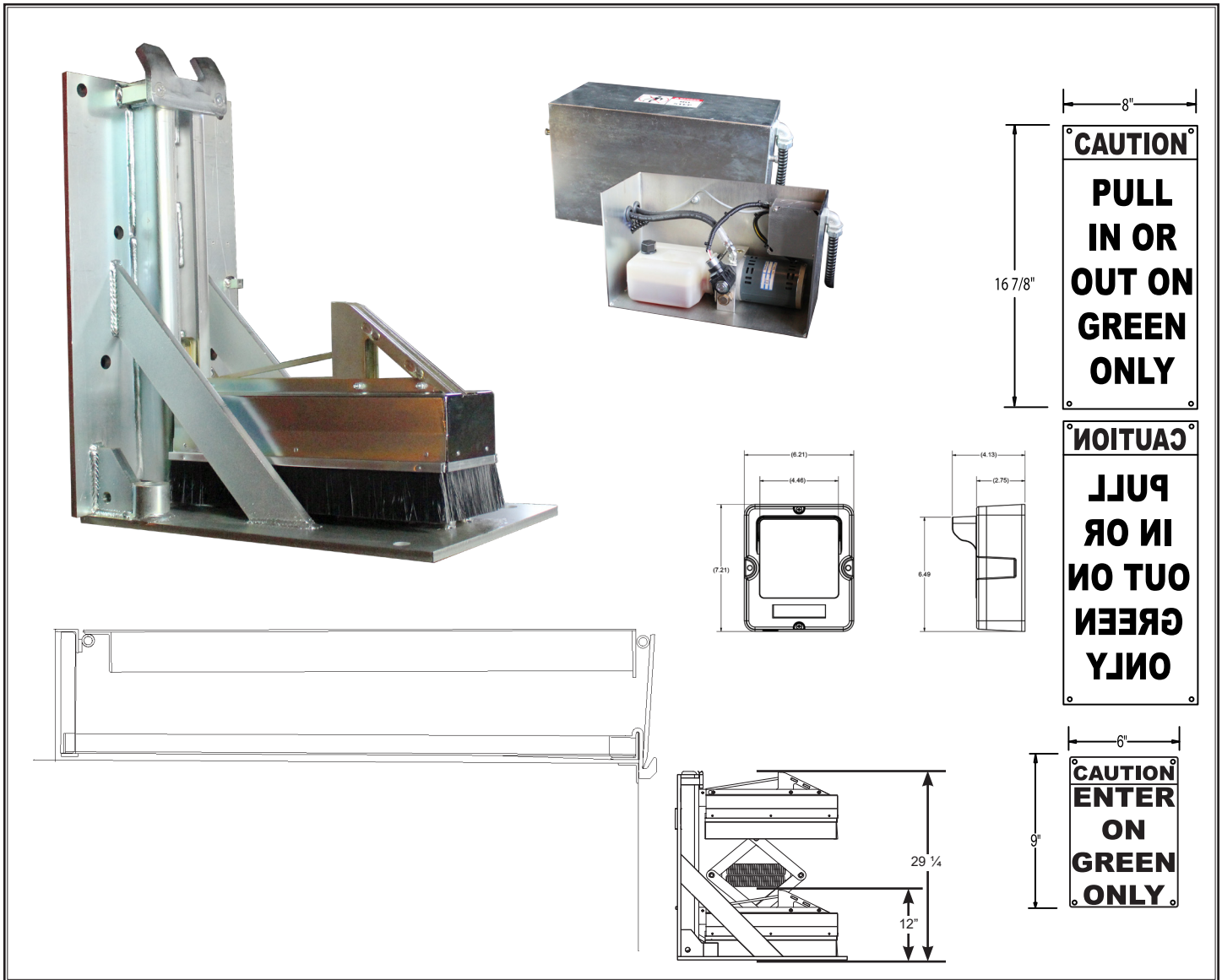


# Automatic PowerStop® Vehicle Restraint Specification Sheet and Submittal



## STANDARD FEATURES FOR THE POWERSTOP<sup>AAL</sup> VEHICLE RESTRAINT

- Push Button Activation  
(115v Single Phase Operation)
- iDock<sup>®</sup> Controls with Interactive Message Display
- Restraining Force In Excess of 32,000 lbs
- Low Profile, Non-impact Design  
(wall or driveway mount)
- Corrosion Resistant Zinc Plated Finish
- Remote Power Pack with Translucent Reservoir
- RIG Sensor Bar
- Automatic Light Sequence
- Automatically Re-engages if the Restraint is Forced Down
- Made in the USA

# Automatic PowerStop® Vehicle Restraint Specification Sheet and Submittal

**GENERAL DESCRIPTION:** All Poweramp PowerStop® Automatic Truck Restraints (AAL) are designed to secure a cargo trailer's Rear Impact Guard (RIG) to reduce the likelihood of premature trailer separation during the loading process. The exclusive PowerStop® vehicle restraint features a hydraulic restraint mechanism with power package, inside iDock control panel, exterior communication lights and instructional signs.

**CONSTRUCTION:** The PowerStop® (AAL) restraint system is designed to be a stationary mount, non-impact device, permanently mounted to loading dock foundation or drive approach. Restraint is preserved in a zinc finish for all weather protection. Restraint arm is preserved in a highly visible zinc dicromate finish that is highly resistant to corrosion and protected by a bellow style cover to eliminate the accumulation of debris. Once activated, the PowerStop® extends upward to the RIG. The locking restraint arm secures the trailer with over 32,000 lbs. of pull-out force. The fully automatic PowerStop® is affordable and easy to install. It is ideal for all manufacturing, warehouse and distribution applications.

**OPERATION:** As a trailer backs into position, the exterior light is green and the interior light is red. Once the trailer is positioned against the dock bumpers, the operator presses the "Engage" button. The PowerStop® raises vertically to the RIG and the inside light will display green while the outside light will display red. The dock attendant should visually inspect and confirm that the restraint has engaged the horizontal member of the RIG. If the restraint is not securely engaged to the trailer's RIG, the inside light will change to red and an optional audible alarm will sound. After the loading is complete, the operator presses the "Release" button. When the trailer is released and the restraint is safely stored the interior light changes to red while the exterior light changes to green.

If the PowerStop is unable to secure the trailer's RIG, the restraint will communicate the fault condition on the message display and by flashing an amber "caution" light. If "By-Pass" of the system is necessary, it is recommended that you secure the trailer by other means before proceeding with the loading/unloading process.

**HYDRAULICS:** The PowerStop® is a hydraulically actuated restraint with an iDock Alert communication system. The PowerStop® vehicle restraint raises vertically to find and maintain a hold on the RIG of truck throughout loading and unloading operations. The dual locking restraint arm will minimize "trailer creep". As an optional safety feature, the dock leveler and the vehicle restraint can be interlocked, preventing operation of the dock leveler until the restraint is activated.

**HOOKING RANGE AND CAPACITY:** The PowerStop® restraint can withstand a pulling force in excess of 32,000 lbs., giving an added margin of safety and protection. Maximum operational range is 10" horizontally

from face of dock bumpers, and 12" minimum to 29 1/4" maximum vertically. Additional ranges are available for certain applications.

**EXTERIOR LIGHTS:** Low profile, traffic style, LED red, and green lights are standard for communication to truck driver. A set of caution signs warns truck driver to "Back In or Pull Out On Green Light Only".

**ELECTRICAL:** The PowerStop® vehicle restraint is available as a stand alone unit or combined electrically and/or hydraulically with your dock leveler selection. Hydraulic pump and motor is 1/4 HP requiring 4.6 Amps at 115v single phase. Electrical control panel is a NEMA 4x enclosure. All electrical control panel components, connections and wiring are UL listed/ recognized.

**Please Note: Unless specifically noted on quotation, all electrical requirements, including mounting of control box, outside lights and signs, are the responsibility of others.**

**INSTALLATION:** Requires mounting of locking unit, control panel, exterior lights and signs in strict accordance with Poweramp installation instructions. Mechanical installation is recommended to be performed only by authorized Poweramp Representative.

**WARRANTY:** All PowerStop® vehicle restraints feature a full one (1) year base warranty on all structural, hydraulic and electrical parts, including freight and labor charges in accordance with Systems, LLC's Standard Warranty Policy. Systems, LLC warrants all components to be free of defects in materials and workmanship, under normal use, during the warranty period. This base warranty period begins upon the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier.

Integrated Control Panel Shown  
(Size varies with options)



## Optional Equipment for the Automatic PowerStop® Vehicle Restraint (Check options desired)

- |   |   |
|---|---|
| <input type="checkbox"/> Integrated Control Panel<br>(effects panel size) | <input type="checkbox"/> Low Profile 10"                  |
| <input type="checkbox"/> Dock Leveler Interlock                           | <input type="checkbox"/> Standard 24" Hose Length         |
| <input type="checkbox"/> Limit Switch for Door Interlock                  | <input type="checkbox"/> Extended Hose Length _____       |
| <input type="checkbox"/> Combined Power Source<br>(VH and PR Series Only) | <input type="checkbox"/> Embed Plate ____ Wall ____ Drive |
| <input type="checkbox"/> Audible Alarm                                    | <input type="checkbox"/> Anchor Pkg ____ Wall ____ Drive  |
| <input type="checkbox"/> Additional Interlock Terminals                   | <input type="checkbox"/> Other _____                      |
| <input type="checkbox"/> Cantilever Bracket<br>_____ Projection           | <input type="checkbox"/> Other _____                      |

\*options must also be selected on the iDock Controls Specification Sheet.

Customer: \_\_\_\_\_

Job: \_\_\_\_\_

Location: \_\_\_\_\_

Number of Units: \_\_\_\_\_

Voltage/Phase: \_\_\_\_\_

Represented By: \_\_\_\_\_

SalesRep: \_\_\_\_\_

Certified For Construction:

By: \_\_\_\_\_

Date: \_\_\_\_\_

Company: \_\_\_\_\_

City & State: \_\_\_\_\_

Drawing #: \_\_\_\_\_