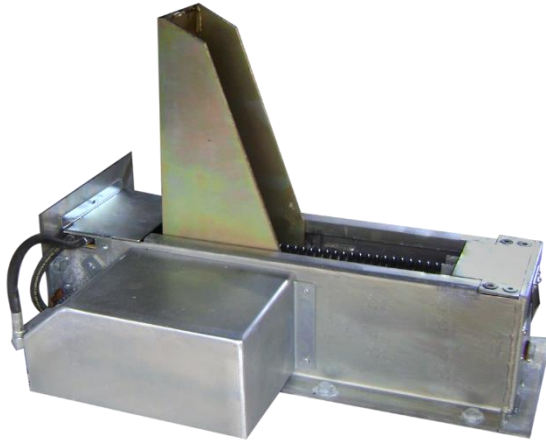


# SPEC SHEET

## Truck Restraints

### PowerHold Automatic Restraint



**GENERAL DESCRIPTION:** All Poweramp® PowerHold® vehicle restraints are designed to secure a cargo trailer's rear impact guard (RIG) to reduce the likelihood of premature trailer separation during the loading/unloading process. The exclusive PowerHold vehicle restraint features a completely hydraulic restraint mechanism, inside control panel, exterior communication lights and instructional signs.

**CONSTRUCTION:** The PowerHold restraint system is designed to be a stationary mount, non-impact device, permanently mounted to loading dock foundation or drive approach. Restraint back plate and housing shall be preserved in a zinc finish for all weather protection. Restraint arm shall be preserved in a highly visible zinc dicromate finish that is highly resistant to corrosion. Once activated, the PowerHold seeks a RIG and exerts positive pressure which virtually eliminates "trailer creep", securing the trailer with over 30,000 lbs. (average) of pull-out force.

**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 depresses the "Engage" button. The interior light is amber and the exterior light is red while the restraint is in motion. An optional exterior strobe light indicator provides additional emphasis to

driver during activation, pull-out and by-pass operation. The PowerHold rotates and seeks out the RIG. Once the trailer is secured the inside light will display green and the outside light will display red. The PowerHold provides a positive engagement for horizontal forces while the trailer is being loaded/unloaded. After the loading is complete, the operator depresses 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 PowerHold is unable to secure the trailer's RIG, the restraint automatically stores itself and an amber caution light accompanies the red interior light, indicating an unsafe condition exists. After thirty seconds, the system resets itself automatically. 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. In "By-Pass" mode the exterior light is red. The interior caution indicator light accompanies the green light indicating to the dock attendant that a caution situation is present. Manual reset of the "By-Pass" is accomplished by depressing the "Release" button.

**HYDRAULICS:** The PowerHold is a hydraulically actuated restraint with a programmable electronic controller and DockAlert™ communication system. The PowerHold vehicle restraint seeks, finds and maintains a tight,

### Standard Features



### Combination Pump and Motor Option

The PowerHold® can be combined with a Poweramp® VH or PR dock leveler and run off of the same pump and motor as the leveler therefore reducing maintenance and electrical costs.



### Non-Impact Design

The PowerHold® remains inside its protective housing until the restraining button is pressed protecting it from damage when either the wall or drive approach mounted.



### Push Button Activation

Momentary pressure on the restrain button activates the PowerHold® to automatically engage the truck's rear impact guard.

continuous hold on the RIG of truck throughout loading and unloading operations. It is programmed to control any gap between the restraint and the RIG, virtually eliminating "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 engages the RIG.

**ELECTRICAL:** The PowerHold vehicle restraint is available as a stand alone unit or combined electrically and hydraulically with your dock leveler selection. Hydraulic pump and motor is either ½ HP TENV at 120v or 208v single phase or 208v, 230v, 460v or 575v three phase. Electrical control panel is NEMA 4/12 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 PowerHold vehicle restraints feature a full two (2) year base warranty on all structural, hydraulic and electrical parts, including freight and labor charges in accordance with Systems, Inc's Standard Warranty Policy. Structural components carry an additional three (3) year extended warranty with parts and labor. Systems, Inc. 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.

Optional Equipment for PowerHook Vehicle Restraint	
<input type="checkbox"/> Self-Contained (110volt 1phase only)	<input type="checkbox"/> Dual Incoming Voltage
<input type="checkbox"/> Combination Leveler/Restraint	<input type="checkbox"/> Limit Switches Door Interlocks
<input type="checkbox"/> Remote Power Pack	<input type="checkbox"/> Integrated Control Panel
<input type="checkbox"/> CentraPower	<input type="checkbox"/> Cantilever Bracket _____ Projection
<input type="checkbox"/> L.E.D. Internal Lights Only	<input type="checkbox"/> Embed Plate ____ Wall ____ Drive
<input type="checkbox"/> L.E.D. Interior & Exterior Lights	<input type="checkbox"/> Anchor Pkg. ____ Wall ____ Drive
<input type="checkbox"/> Special Nema Control Type _____	<input type="checkbox"/> Other _____
<input type="checkbox"/> Exterior Strobe Emphasizer	<input type="checkbox"/> Other _____
<input type="checkbox"/> Audible Alarm	<input type="checkbox"/> Other _____
<input type="checkbox"/> Reduced Range _____	
<input type="checkbox"/> Increased Vertical Range to _____	

## Other Features

- Push Button Activation
- Non-Impact Design - Wall or Driveway Mount
- Positive Restraining Force To Minimize "Trailer Creep"
- Restraining Force In Excess of 30,000 lbs Average
- Zinc Plated Finish Provides High Corrosion Resistance
- PLC Solid State Controls
- Amber Light - Caution Indicator
- Auto Restore
- Keyed Override
- Interlock Terminals
- 5 Year Structural Warranty
- 2 Year Hydraulic Warranty

## Standard Features (cont.)



### Equipment Interlocking Option

The PowerHold® can be easily interlocked to any powered dock leveler forcing operators to use the restraint before the dock leveler can be positioned onto the truck.



### Positive Restraining Force

The PowerHold's® constant pressure on the truck's rear impact guard removes all gap between the truck and the restraint allowing no room for a head start and maintaining leveler lip purchase on the bed of the truck.



### Corrosion Resistant Zinc Plated Finish

The PowerHold® restraint arm is zinc plated to protect it from the elements.

# BODE

MATERIAL HANDLING SOLUTIONS

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