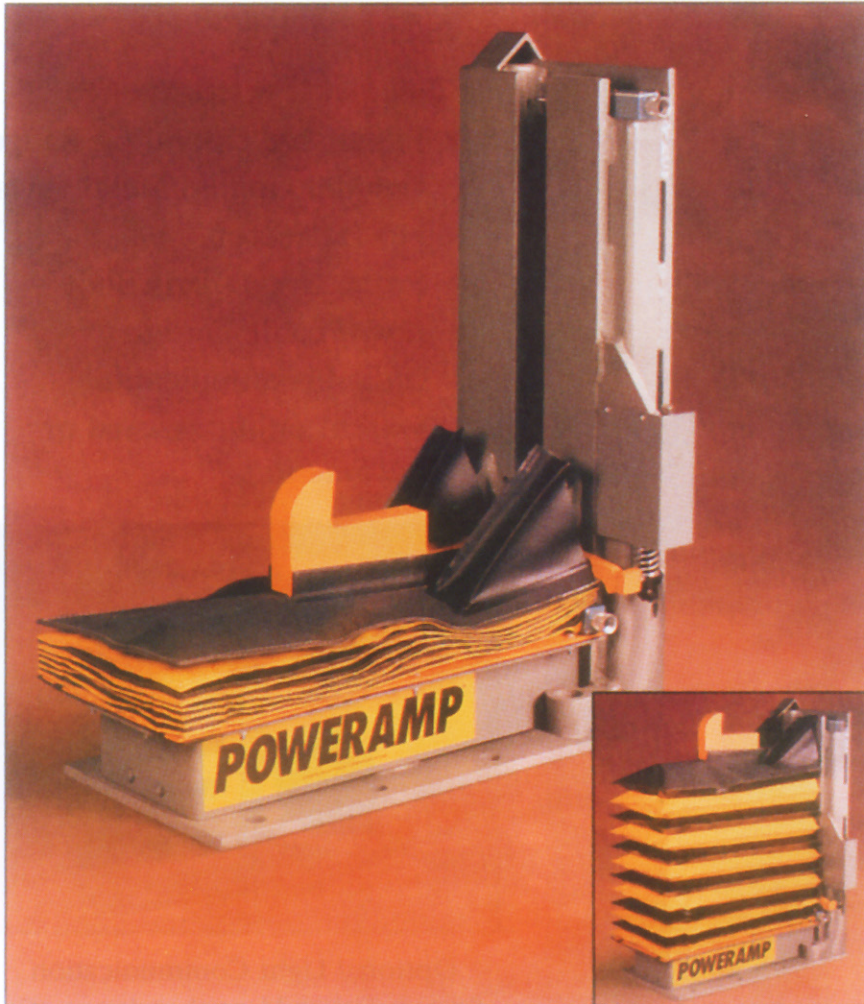


POWERSTOP



Standard Features:

- Expansive Operating Range 10.5" to 30.5"
- Translucent Resevoir
- Powder Coated Metal Parts
- Lip Deflector
- Protective Debris Boot
- Low Profile Design
- Remote Powerpac
- 115V-1 Phase Operation
- Light Communication System either Manual or Automatic

Options:

- Overhead Door Interconnect
- Spray Metalized Finish
- Leveler/Restraint Interconnect
- Audible Alarm
- Combination Control Box
- Automatic Store

Affordable, Dependable Dock Safety.

Introducing **Powerstop** Fully Automatic Truck Restraint: the easy-to-install, affordable system that's ideal for all manufacturing, warehouse and distribution applications.

The non-impact design mounts directly to any concrete drive approach, and easily activated: simple push-button operation locks the system onto the trucks ICC bar, preventing premature dock departure and help reduce trailer "creep."

The Powerstop will withstand over 30,000 lbs. at 30" above finished grade, with a service range of 10.5" to 30.5" above drive approach. And it's versatile: use with any mechanical or hydraulic dock levers, edge-of-dock or top-of-dock units.



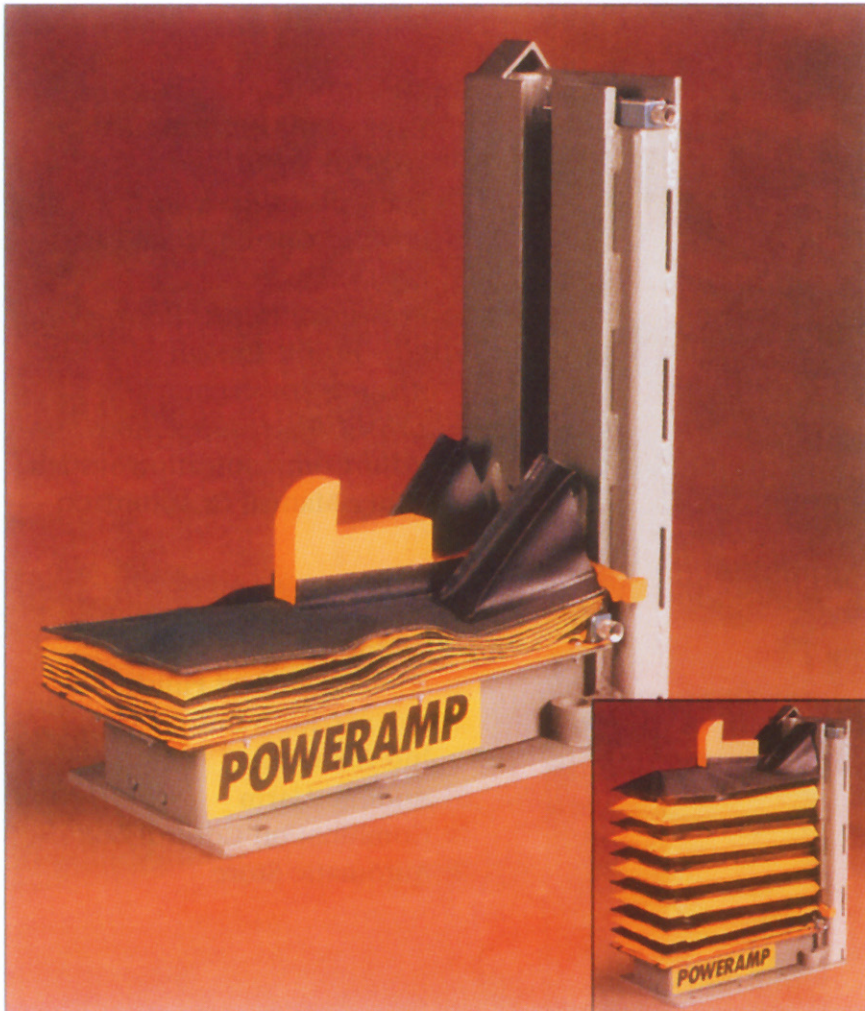
Powerstop-A

Automatic Truck Restraints

Powerstop-AML: Automatic Restraint with Manual Light Communication System

Powerstop-AAL: Automatic Restraint with Automatic Light Communication System

POWERSTOP



Standard Features:

- Expansive Operating Range
- Powder Coated Metal Parts
- Lip Deflector
- Protective Debris Boot
- Low Profile Design
- Light Communication System either Manual or Automatic



Optional Light Communication System Either Manual or Automatic

Affordable, Dependable Dock Safety.

Finally, a low-cost, easy-to-install restraint system that makes loading dock safety affordable for every application.

Introducing the **Powerstop** from Poweramp. It features a non-impact design that is engineered to hold the truck firmly in place, guard against premature dock departure and help reduce trailer "creep."

The Powerstop delivers dependable performance. It is ideal for manufacturing, warehouse and distribution environments. Use with mechanical or hydraulic docklevelers, edge-of-dock or top-of-dock units.

The Powerstop mounts directly to any concrete drive approach. It's also easily activated, utilizing only three moving parts that lock firmly in place to ensure a tight connection between the Powerstop and a truck's ICC bar. The Powerstop has been tested to withstand in excess of 30,000 lbs. at 30" grade, with a service range of 10.5" to 30.5" above drive approach.

Powerstop-M

Mechanical Truck Restraints

Powerstop-MML: Mechanical Restraint with Mechanical Light Communication System

Powerstop-MAL: Mechanical Restraint with Automatic Light Communication System

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North American manufacturing facilities with sales offices in North, Central and South America, Europe, Japan, Hong Kong and China.

POWERHOLD

SURFACE MOUNTED TRUCK RESTRAINT



Dock Safety You Can Depend On

- Only PowerHold™ seeks, finds and firmly holds a truck's ICC bar.
- Only Powerhold closes the safety gap - and completely eliminates trailer creep.
- The PowerHold grip won't let go - the no shear-pin design holds even fully loaded trucks securely.
- Powerhold is easily installed on new or existing docks with any hydraulic or mechanical leveler - or even on docks without levelers.

CLOSES THE SAFETY GAP AND ELIMINATES TRAILER CREEP

PowerHold is a non-impact, self-aligning hydraulic truck restraining system. It's designed to seek and find a truck's ICC bar, and apply continuous pressure to firmly restrain the vehicle. Because constant pressure on the ICC bar is maintained, no safety gap exists - and trailer creep is eliminated.

- PowerHold has been tested to withstand in excess of 20,000 lbs. of force at worst case conditions of 30" above grade.
- PowerHold is easily installed on any new or existing dock, or docks not equipped with levelers.
- PowerHold uses no chain drives, rack and pinion operation, hooks or pneumatic cylinders. Its hydraulic design eliminates the need for costly maintenance and adjustment of mechanical components.
- Black housing and zinc dichromate plated restraint makes PowerHold highly resistant to corrosion from weather and dirty dock environments.
- PowerHold will function at temperatures as low as -35° F.
- An overhead door interconnect terminal block is provided with every powerhold control unit.



- A key switch bypasses the restraining system to handle trucks with missing or damaged ICC bars.

- PowerHold-CP is compatible with docks using CentraPower multi-leveler remote hydraulic systems.
- PowerHold-MS includes a pump motor and 1 ½ gallon reservoir to accommodate up to 20 or more PowerHold units.
- The PowerHold service range is from 12" to 30" above grade from point of installation.
- Standard electrical service includes: 115/220 V, single-phase, 60Hz; or 220/480 V, 3-phase, 60Hz. Also available: 575 V, 3-phase, 50/60 Hz.

A Complete Package

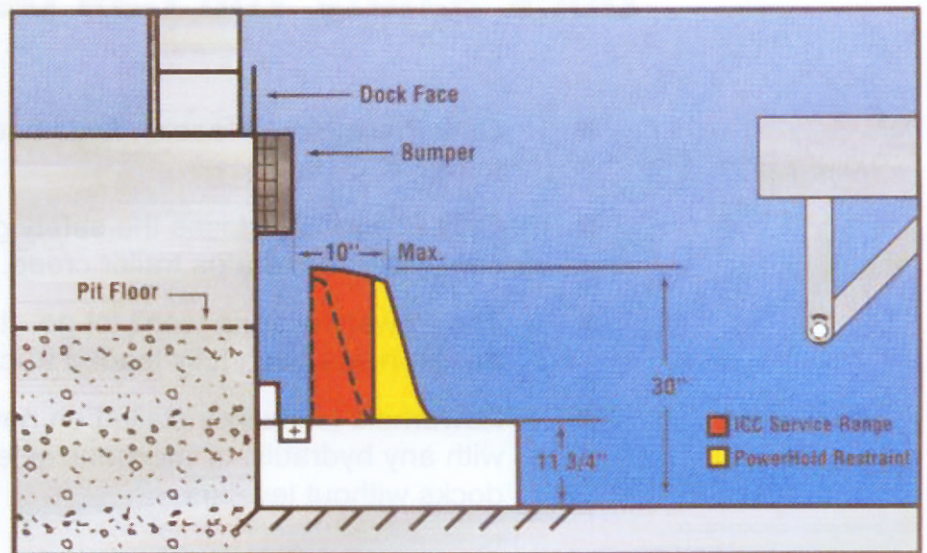
PowerHold comes complete with a DockAlert-2 dock communication system, an electrical control unit for the restraining system and safety signs.

Because Poweramp believes traditional restraining methods can enhance dock safety, the use of truck chocks is recommended.



The PowerHold package includes:

- PowerHold with electrical control.
- DockAlert-2 two-light warning system.
- 3 black-on-yellow caution signs: two are 8" x 17"; one is 8" x 10"



POWERAMP®

A DIVISION OF SYSTEMS, INC. GERMANTOWN, WI 53022

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POWERAMP



POWERHOOK™

Poweramp PowerHook™ Truck Restraints

Dock safety depends on many factors: alert, safety conscious personnel; equipment that's in good operating condition; and, most important, a reliable truck restraining system. A restraining system such as the hydraulic PowerHook from Poweramp.

The PowerHook truck restraint is the premier device available that seeks, finds and maintains a tight continuous hold on the "Rear Impact Guard" (RIG) throughout loading and unloading operations. It's programmed to operate both vertically and longitudinally to eliminate any gap between the hook and RIG, effectively eliminating "trailer creep". For added safety, when PowerHook is equipped with the leveler interlock option, it will not permit leveler operation until the hook is engaged.

PowerHook is firmly anchored in the loading dock pit for maximum holding power. The hook remains protected behind the pit wall until activated. The PowerHook restraint is designed to withstand a pulling force of 35,000 lbs., giving you an extra margin of safety and protection. PowerHook operates within a vertical range... from 7" minimum to 34" maximum. Its horizontal range is 1" to 15" from the building wall.

PowerHook is proven in more than 10,000 applications over a 20 year period. PowerHook stores in the pit, completely concealed and out of the way. This is a great advantage when clearing the driveway approach of snow or debris.



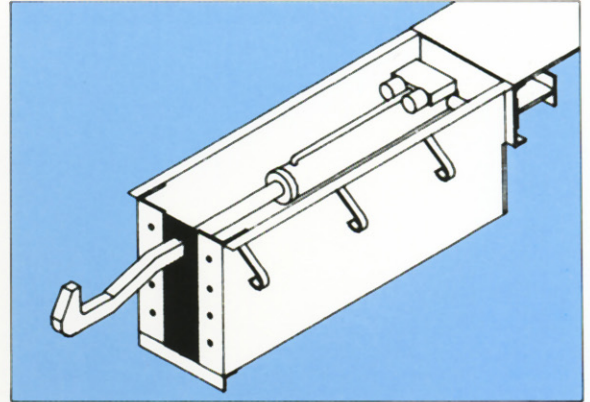
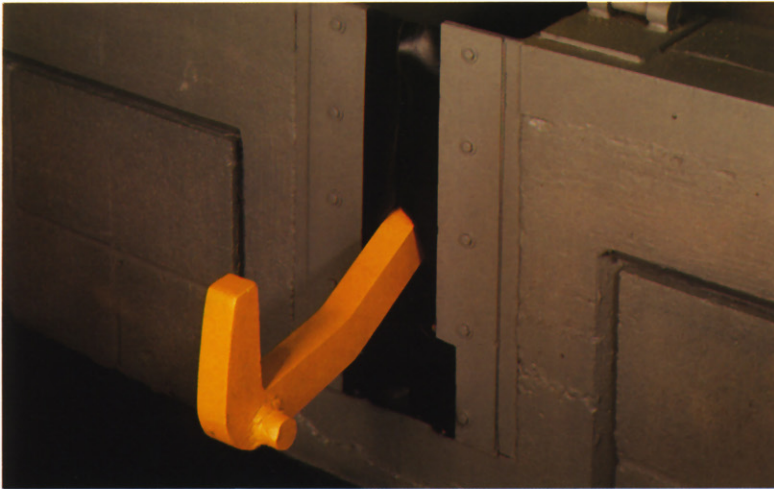
PowerHook control

PowerHook is controlled by the most advanced electronics in the industry. Not only does it perform all PowerHook functions, but it can be programmed to combine with existing security and energy conservation systems for increased convenience and efficiency. New operational procedures and additional equipment can be easily added as they are needed.

DockAlert two-light communication

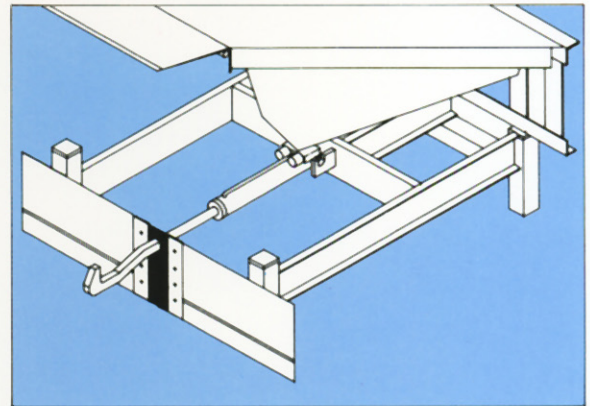
It's essential to dock safety that drivers and dock personnel communicate clearly with each other. The two-light DockAlert system, standard with PowerHook restraints, coordinates dock activities to help prevent accidents from happening. As a truck backs into your dock, a steady green light tells the driver that it's safe to proceed. Inside, a flashing red light warns dock personnel that a trailer is not secured. Once PowerHook engages and secures the RIG, a green light inside signals all clear. Outside, the light signals flashing red, warning the driver not to pull away. Should the driver inadvertently attempt to drive away while secured to the dock, a strobe light draws attention to the red exterior light while an amber caution light illuminates warning both the driver and dock attendant that a dangerous condition exists.

PowerHook KS5



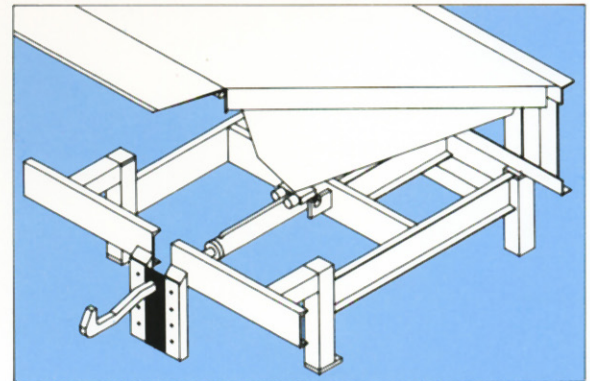
The PowerHook™ KS5 pan-type truck restraint is an economical retrofit for hydraulic dock levelers. All that's required is a minimum 44" dock height.

PowerHook KS6



The PowerHook™ KS6 is mounted on a stand that slides into any new or existing full-depth pit. It's easy to install. . . just weld it into position and run power to it.

PowerHook KS7



The PowerHook™ KS7 is a stand-mounted restraint that's ideal for retrofit or new construction. Front legs of stand are recessed so that concrete or block wall can be constructed to give your dock a clean, finished look.

POWERAMP[®]

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Manufacturing facilities in the Netherlands with sales offices throughout Europe