



Premium Loading Dock Systems

PRODUCT GUIDE

Poweramp® has been a leading manufacturer of loading dock equipment for over 60 years. With a focus on quality, all levelers and restraints are proudly made in the USA. Poweramp® is a division of Systems LLC and subsidiary of The Chamberlain Group LLC.



**DOCK LEVELERS DOCK LEVELERS** 

# Hydraulic Loading Dock Levelers

Poweramp® hydraulic dock levelers are push-button activated. They utilize fully powered raise and lip extension functions with hydraulic cylinders and individual or multi-unit hydraulic pump and motor stations. Hydraulic levelers are the easiest to operate and lowest maintenance available. They're also the safest loading dock choice, as these levelers contain in-line velocity fuses to prevent free fall in a truck pull-out situation. Poweramp is an industry leader in hydraulically operated dock levelers and known for their levelers' strength and durability.



# PR Series Hydraulic Leveler

The PR Series is a heavy-duty, premium quality loading dock leveler that provides unmatched productivity and safety with a superior structural steel design. The PR Series is completely hydraulic in both engineering and operation.

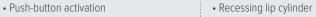


In-line velocity fuse built into the main inspection plate in lifting cylinder for free the deck to allow for maintenance above fall protection.



- Structural steel with channel outboards, four-sided box construction Hoist cylinder with internal velocity
- safety stop • Piano-style front and rear hinges

30K - 120K | 6' - 7' | 6' - 12' WIDTH LENGTH



- Full-range folding toe guards with 24" pit
- Fluid logic block
- Maintenance check plate on deck



#### Integral Tamperproof Velocity Fuse

Our velocity is fuse built into the main lifting cylinder for free fall protection. Standard on the PR, VH, and XL Series.

# VH Series Hydraulic Leveler

The VH Series is a fully hydraulic, feature-packed leveler for the value minded consumer. It combines a structural steel ramp design with a proven hydraulic operation to produce a safe, reliable, yet economic hydraulic dock leveler.



In-line velocity fuse built into the main lifting cylinder for free fall protection.



CleanSweep™ frame

- Push-button activation
- Structural steel with plate outboards, four-sided box construction
- Piano-style front and rear hinges
- Hoist cylinder with internal velocity safety stop
- Recessing lip cylinder
- Sliding toe guards
- Fluid logic block

6' - 12' 30K - 80K | 6' - 7' | CIR WIDTH LENGTH





Yieldable Lip Cylinder



Reservoir

## **LHP Series** Hydraulic Leveler

The LHP Leveler utilizes cost-effective hydraulic technology with our efficient deck and frame design to produce a reliable, price sensitive hydraulic dock leveler.

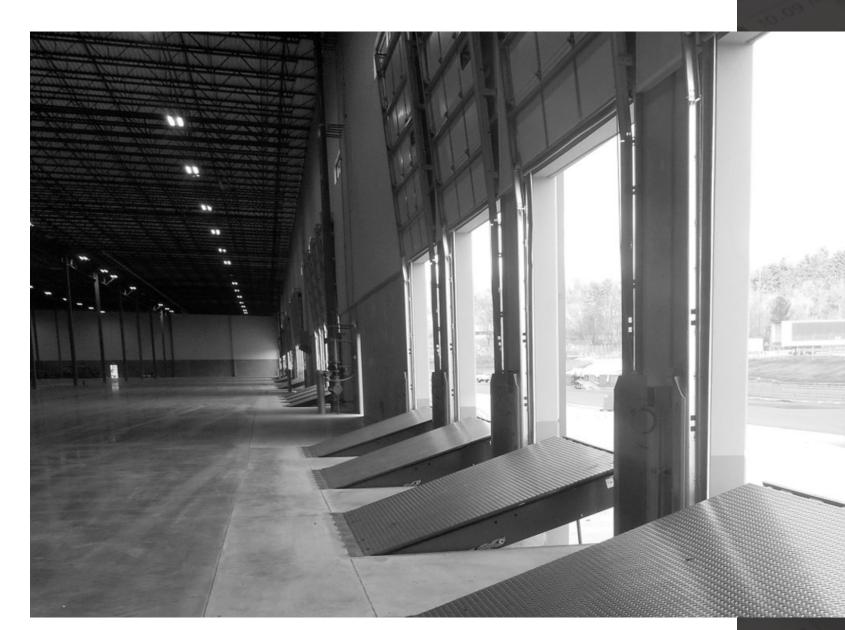
Full-range toe guards

Sequence valve

- Push-button activation
- Four-sided box construction
- Piano-style front and rear hinges
- Hoist cylinder with external velocity safety stop
- Standard lip cylinder

25K - 40K | 6' - 7'

WIDTH LENGTH



**DOCK LEVELERS DOCK LEVELERS** 

# Air-Powered Loading Dock Levelers

Poweramp® air-powered dock levelers are an economical alternative to hydraulic levelers, but are still operated with push-button activation. The use of an air bag or bellows system is used to raise and lower the deck. Combined with the strength and durability of all Poweramp equipment, Poweramp has been an industry leader with its innovations of air-powered levelers.





bellows system uses compressed air to raise platform.



for simple installation.

## CentraAir® Air-Powered Leveler

The CA Leveler utilizes compressed air with a steel-belted rubber bellows systems to raise the deck. When used with pneumatic controls, this leveler can be fully powered without the need for electricity at each unit.

- button controls
- four-sided box construction
- Steel-belted air bellows with compressed air
- Piano-style front and rear hinges
- Optional barrier lip
- Ideal for hazardous locations

25K - 50K | 6' - 7' WIDTH LENGTH

#### • Pneumatic or electrical push Mechanical lip operation • Structural steel with plate outboards, • Full-range toe guards • No electrical needed in pit



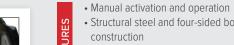


lip extension reliably extends the leveler's lip and restricts its descent until walkdown is performed.

# Mechanical Loading Dock Levelers

Poweramp® mechanical dock levelers are an economical solution to basic applications, while still providing strength and durability. These levelers use a pull chain activation to raise the deck. The operator then simply walks the deck back down to the bed of a trailer or to a stored position. Poweramp mechanical levelers are equipped with a Lip Drive positive lip extension and an extended range, hold down mechanism for extreme float conditions.







- Piano-style front and rear hinges
- Multi-spring centrally located off pit floor
- Mechanical lip operation
- Working-range toe guards
- Cam control counter balance

Working-range toe guards

Cam control counter balance

6' - 10' 30K - 50K | 6' - 7' | WIDTH LENGTH





High volume, low pressure air blower to efficiently raise the



mechanism provides positive, full height lip

# **AP Series** Air-Powered Leveler

Poweramp embraces the benefits of air powered technology with the AP Series dock leveler. The AP Series by Poweramp is an air-powered dock leveler that provides dependability and superior structure at a price which rivals most mechanical dock levelers. This leveler is available in a wide range of sizes and capacities and can be modified for special applications.

- Push-button activation
- Structural steel with plate outboards, four-sided box construction
- Piano-style front and rear hinges
- Low-pressure, high-volume air bag

25K - 50K | 6' - 7' | 6' - 10'

with blower motor

WIDTH LENGTH

- Mechanical lip operation
- Full-range toe guards
- 115V single-phase electric blower motor Optional barrier lip
- Air bag sits on pallet for ease of cleaning

balance assembly permits smooth ramp extension and easy walk-down of the



"Box construction" deck with a heavy duty lug hinge design

# LMP Series Mechanical Leveler

The LMP Series is a reliable, yet economic mechanical leveler. It has been value engineered to accommodate basic applications.

- Manual activation and operation
- Four-sided box construction
- Lug-style front hinge and piano-style
- Mechanical lip operation
- Multi-spring centrally located off pit floor
- 25K 40K | 6' 7'

WIDTH LENGTH

\* LMP shown included upgraded toe guards and weather seal

# Specialty Loading Dock Levelers

Poweramp® has loading dock levelers for any type of application. From vertical storing levelers that are ideal for cold storage facilities, to Edge-of-Docks for lower budgets, to portable steel yard ramps, contact Poweramp to specify your needs and review your options.





steel-faced bumpers with gusseted bracket and load distribution





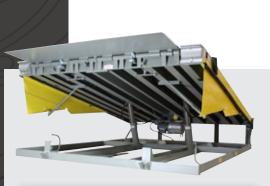
# **VS Series** Vertical Storing Leveler

Poweramp's VS Series vertical storing dock leveler offers unmatched environmental control for customers with food storage or temperature sensitive applications. By storing in the vertical position, the VS Series allows the overhead door to form a perfect seal to the pit floor. VS Series levelers offer improved cleanliness, overhead door protection, increased security, improved productivity, and easy maintenance.

- Full featured push-button control box
- low-profile, wide flanged I beams
- Power-up and power-down control
- Free float working range
- Mechanical-storage locking mechanism provides redundant safety
- Push-button release of storage prop
- Dual-maintenance prop
- 3" high run-off guard
- Overhead door interlocks (dry terminal)
- Rear-embed channel with factory installed hinges

40K - 50K | 6' - 7' | 5' - 8'

WIDTH LENGTH





In-line velocity fuse built into the main lifting cylinders for free fall protection.



## **XL Series** Dock Leveler

XL Series Hydraulic dock levelers by Poweramp are the ultimate in heavy-duty hydraulic dock equipment. The complete hydraulic system includes fluid logic block technology engineered and manufactured by Poweramp for use specifically on dock levelers.

8' - 12'

WIDTH LENGTH

- Automatic return to dock from all positions
   Quick cycle below dock control
- Deck mounted pump and motor
- Dual control lanyard
- Fluid logic block

45K - 80K

- Folding and locking toe guards
- Internal tamperproof velocity fuse
- Low pressure hollow ram hoist cyclinder

8' - 9'

- Maintenance inspection plate
- Push-button activation

- Retractable lip cylinder
- Structural support members
- Below dock end loading capability
- CleanSweep frame design
- Four-sided box construction deck assembly
- Lockout/tagout maintenance strut
- Night locks/cross traffic support
- Designed and manufactured in the USA

Edge of Dock Loading Dock Levelers

DLM mechanically-operated edge-of-dock levelers are the largest selling edge-of-dock levelers in the industry. Our dual-extension spring lift mechanism offers proven efficiency and durability. Careful engineering and rugged construction ensure extended life. Operation is safe and easy.



- Cold rolled-steel hinge pins for added strength and long life
- Milled-lip edge for smooth tire rollover
- Grease fittings throughout
- High-strength steel safety tread plate

- Full-width distribution bar for extra durability
- Secondary gussets for added strength and extended life
- Heavy-duty bumper block assembles with Tuf-Cord rubber bumpers 4" x 12" x 13"



# **DL Series** Mechanical

- Dual-extension spring lift mechanism
- DL series lifting hook
- Bumper projection 15"



# **TS Series** Mechanical

- Torsion spring lift mechanism
- Heavy-duty, self-storing steel lever with EZ grip handle
- Roller-bearing lift mechanism for easy lifts
- Bumper projection 15"



# NL Series Mechanical • Dual-extension spring lift mechanism

- Heavy-duty, self-storing steel lever
- Bumper projection 15"



# **HNL Series** Hydraulic

- NEMA 12 control panel
- Manual activation in case of power failure
- Bumper projection 15"



# **HED Series** Hydraulic

- NEMA 4 control panel with single push button
- 115V 1-phase motor, other power sources available
- Fully hydraulic lip and deck cylinders
- 18" bumper projection



VEHICLE RESTRAINTS

VEHICLE RESTRAINTS

# Vehicle Restraints

Improve safety at the loading dock. Many forklift accidents occur every year that are caused by a truck prematurely departing from the dock or creeping away due to loading and unloading momentum. Installing a vehicle restraint from Poweramp® can help prevent these accidents by securing a trailer to the dock and providing better communication between the truck driver and dock attendant.





The PowerHook seeks, finds, and secures a trailer's RIG to the dock with the largest service range.



PowerHook includes light communication and can be integrated with other dock equipment.

# **PowerHook® Series** Automatic Vehicle Restraint

The PowerHook is a non-impact, self-aligning, hydraulic restraint that is stored in the dock pit and is the most effective truck restraining device available on the market.

- Stored in the dock pit and out of the way when clearing the drive approach of snow or debris
  - Actively seeks and secures a trailer's Rear Impact Guard (RIG)
  - Maintains a positive hydraulic hold of the RIG for zero running room
- Rapidly flashing exterior light if the truck attempts to pull away while secured
- LED 3-light system for advanced communication between the truck driver and dock attendant
- Largest hooking range in the industry from 7" to 34" vertically





Advanced cam design rotates hook away from RIG first to release pressure from "RIG wedge."



TPR Series includes light communication and can be integrated with other dock equipment.

#### TPR UniLock® Automatic Vehicle Restraint

An upgrade to the standard TPR Series, the UniLock has an added internal safety mechanism, as well as advanced cam design that rotates the hook away from the trailer's Rear Impact Guard (RIG) to release "RIG wedge" pressure.

- Patented cam design automatically releases RIG wedge pressure without the trailer reversing
- Locking mechanism to prevent the restraint from disengaging the trailer's RIG when pressure is applied
- Universally effective on any obstructed rear impact guard, including intermodal trailers with cover plates
- LED 3-light system for advanced communication between the truck driver and dock attendant
- On-demand, IP67-rated motor, submersion proof up to 1 meter
- Automatically ensures safe capture or auto-stores







The TPR hook rotates up to engage the RIG and secure the trailer to the loading dock.



TPR Series includes light communication and can be integrated with other dock equipment.

# **TPR® Series** Automatic Vehicle Restraint

The TPR is a trailer-positioned vehicle restraint that is mounted to the face of the dock and utilizes a motor and gears to rotate a hook and secure the trailer.

- Unit automatically positions itself when impacted by the RIG
  - Motor and gears keep hook continuously engaged with the RIG
  - LED 3-light system for advanced communication between the truck driver and dock attendant
- On-demand, IP67-rated motor, submersion proof up to 1 meter
- Automatically ensures safe capture or auto-stores





eliminates the need for RIG bar impact activation, reducing equipment wear.



caution signs and light communication that can be integrated with other dock

## PowerStop® Automatic Vehicle Restraint

The PowerStop Automatic is a non-impact, hydraulic vehicle restraint that is exterior mounted to the front of the loading dock or drive approach.

• Low profile, non-impact design

- Hydraulic operation to vertically raise the restraint and engage the RIG
- LED 3-light system for advanced communication between the truck driver and dock attendant
- Restraining force in excess of 32,000 lbs.
- Corrosion-resistant, zinc-plated finish

- Remote power pack with translucent reservior
- RIG sensor bar
- Automatic light sequence
- Automatically ensures safe capture or auto-stores
- Automatically re-engages if the restraint is forced down



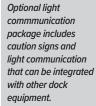
# PowerStop® Series Manual Vehicle Restraint

The PowerStop Manual is a non-impact, manually operated vehicle restraint that is exterior mounted to the front of the loading dock or drive approach.

- Economical solution for a vehicle restraint
- Low profile, non-impact design
- LED light communication available with the MML and MAL
- Restraining force in excess of 32,000 lbs.
- Corrosion-resistant, zinc-plated finish
- RIG sensor bar with optional audible alarm on MAL
- Optional upgraded iDock® Controls with interactive message display



A non-impact design eliminates the need equipment wear.







plates are readily available for easy replacement when necessarv.



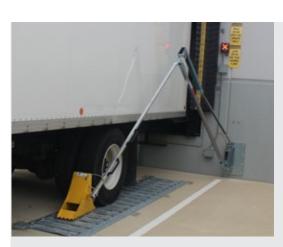
on the unit and one on the wall-indicate when the unit is properly stored to prevent accidental

# Wheel-Based Vehicle Restraints

#### **UniChock**<sup>™</sup> Vehicle Restraint

The UniChock is a wheel-based trailer restraint with advanced light communication and available as a standalone unit or integrated with other dock equipment. Universally effective in most conditions, the unit helps prevent unexpected trailer departure or movement from the loading dock during the loading process.

- Universally effective
- Audible alarms to ensure safe use and storage
- Constructed from aluminum for a lightweight yet durable design, ensuring superior performance and long-lasting durability
- Advanced communication
- Replaceable traction teeth
- Interior messages for position of the chock
- Option to connect online with myQ® Enterprise
- iDock® Alert with interactive message display



## **UXL** Wheel-Based Vehicle Restraint

The UXL is a wheel-based trailer restraint with advanced light communication. Package available as a standalone unit or integrated with other dock equipment. This universally effective chock helps prevent unexpected trailer departure or movement from the loading dock during the loading process.

- Universally effective
- Steel teeth engage ground plate to prevent pullout
- Audible alarms to ensure safe use
- Advanced communication
- Interior messages for position of the chock
- Option to connect online with myQ Enterprise
- Galvanized ground plate provides advanced corrosion protection



Visit **Poweramp**®.com for complete specifications and configuration options.



for RIG bar impact activation, reducing





more manageable.

Unique chock design for greatest locking protection.



# Software + Hardware

Poweramp® dock equipment installed with iDock® Controls have the ability to connect online with myQ® Dock Management, a module of myQ Enterprise or myQ Enterprise. Using this IoT technology, you can login to your online account and get a true insight of your operations to help you improve loading efficiency.



	Basic myQ Dock Management	<b>Pro</b> myQ Dock Management	myQ Enterprise
Access Management	✓	✓	✓
Real-Time Dock Monitoring	✓	✓	<b>✓</b>
Notifications	✓	✓	✓
Diagnostics & Maintenance	✓	✓	✓
Connectivity	<b>√</b>	<b>√</b>	✓
Manual Trailer Assignments		<b>✓</b>	✓
Historical Activity		<b>✓</b>	<b>✓</b>
Reporting & Analytics		<b>✓</b>	✓
Appointment Scheduling			<b>✓</b>
Dynamic Dock Assignment			<b>✓</b>
Digital Check-In/Check-Out			<b>✓</b>
Mobile Driver Communication			<b>✓</b>
Dock & Yard Visibility			<b>✓</b>
Seamless Integrations			<b>✓</b>
Dedicated Implementation Support			<b>✓</b>









Membrane dome button technology, operators can clearly feel and hear when they press a button.



Advanced 3-color light communication which included amber in addition to green and red.



#### Loading dock communication and controls

Structurally superior loading dock levelers and vehicle restraints from Poweramp® can now be equipped with iDock® Controls. These technologically advanced controls provide an efficient interface with membrane dome button technology for ease of use and an interactive message display for valuable equipment usage, instructions, notifications and other information. iDock Controls also have a 3-color light communication combined into one large LED light assembly to clearly indicate the conditions of the dock.



- Advanced controls for loading docks
- Interactive message display with system integration
- View equipment usage and maintenance history
- Raised dome button design for ease of use
- Fault code troubleshooting display and internal LED lights
- Integrated controls of all Poweramp dock equipment and dock door installed
- 3-color light communication system
- NEMA 4X enclosure

#### SENSORS

#### **Truck Present**

Track the full turn time of a trailer at the dock and any stagnant dwell time before or after loading.

#### Leveler Stored

Review the amount of time a dock leveler is deployed to determine how long loading actually took.

#### **Restraint Engaged**

Monitor the vehicle restraint usage at your to the dock during loading.

#### Door Open

For safety, security, and energy consumption, become alerted if a dock door is left open without a trailer present.

#### Forklift Activity

Analyze loading activity to ensure personnel are efficient and trucks aren't sitting idle for too long without any activity.

#### Hydraulic Fluid Level

Keep your hydraulic dock levelers running docks and ensure trailers are safely secured smooth by maintaining sufficient fluid levels.









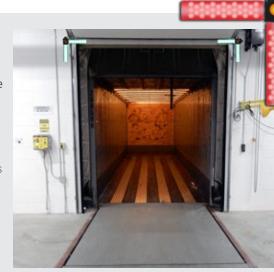
SAFETY ACCESSORIES **DOCK ACCESSORIES** 

# Safety Accessories

# **Edge Lights**

A light communication system is an important safety component to have at any loading dock. You can enhance this communication by adding the Edge Lights to the interior wall above the dock door.

- Communication lights for safe
   Extended lights change
- Mount above the top corners of the dock doors
- Lights extend along the top edges of the interior dock door
- Integrate with a vehicle restraint and/or light communication from brands of Systems
- between red and green
- Middle cautionary amber lights to warn of fault or bypass
- Lights act as a clear indication to dock workers of when its safe to enter the trailer





# **Barrier Lip Series**

Poweramp's Barrier Lip prevents forklift trucks from driving over the dock edge, while also protecting the overhead door from damage. The Barrier Lip is usable anytime the leveler is in the cross-traffic position. And when deployed offers a smooth transition between the platform and lip.

- Smooth transition between the levelers platform and lip
- End load achievable
- Self-cleaning, recessed-hinge pocket
- One-button control of leveler and lip
- High-visibility yellow paint highlights barrier lip
- Full-hydraulic operation

- Limits accidental run-off of equipment and personnel at dock
- Standard barrier height of 5" with option for 7"
- Automatic recycle to stored position from above dock
- Barrier provided "full time protection" even during end loads
- 5-7" steel barrier to prevent lift trucks from driving over the
- dock edge

# **Dock Guard**

The Dock GUARD helps prevent falls from an open loading dock, as well as protects overhead doors or other equipment from damage caused by forktrucks.

- Protects equipment, pedestrian zones, hazardous areas, and in-plant safety applications
- Dock GUARD attachments and electronic interlock options available
- Latch release on grab handle allows for faster, easier opening and closing
- Positive stop holds gate open without using moving parts
- Equipped with a single safety rail that stands 42" tall
- Powder-coated yellow finish with 3M® reflective tape



# **Dock Accessories**

Add various accessories to enhance loading dock operations. Reduce expenses by using a centralized hydraulic pumping station, protect the loading docks with bumpers, or improve safety by utilizing wheel chocks in addition to vehicle restraints. Check out Allied Solutions for additional dock accessories.

## CentraPower® Multi-Leveler Hydraulic System

A centralized hydraulic pumping station that can be used for multiple hydraulic levelers and reduce the amount of pump and motors needed.

- Reduces electrical footprint
- Reduce leveler maintenance costs Self-monitoring motor stations
- Redundant operation for backup
- Energy saving with six or more hydraulic
- Equipped with backup pump and motor
- Totally enclosed fan cooled motor
- Indicator light alerts is motor error occurs
- Isolation valve for maintenance work



# **Cup Seals**

dock levelers

- Reduces air infiltration at the loading dock Reduces energy costs
- Added protection from bugs and rodents
- Fast and easy to install with no tools required
- All items to install are included in kit
- Enough materials in each kit to seal six dock leveler chain cups



Leveler chain cup without cup seal

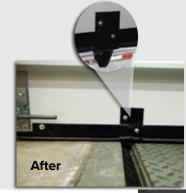


Leveler chain cup with cup seal

# **Draft Wedges**

- Fits any style or size overhead door
- Mounts quickly and easily to overhead door
- 22 oz vinyl shell with, high performance foam core
- Designed to close off the gap between the overhead door, the loading dock leveler, and pit wall
- Reduces air infiltration and lowers energy costs
- Closes off entry points for bugs and rodents





# **Dock Bumpers**

To match your application needs, Poweramp gives you a choice between a variety of bumper blocks, laminated, steel faced and molded. Dock bumpers help protect against structural damage to buildings and docks caused by trucks.



17

18

#### **Door Shield**

• Heavy-duty steel construction making it impact resistant

- Safety yellow powder coat finish
- Protects bottom panel of the overhead door from damage when gate is down
- Available in 36" and 48" widths
- Manual operation is standard but can be interlocked to work with other loading dock equipment





#### **Flex LED Docklite**

- ATURES
- Energy efficient operates on 10W energy efficient operates on 10W
- Uses 84% less energy than 150W models
- Easy installation mounting bracket compatible with most dock light mounting hardware
- Flexible arm offers great flexibility in positioning
- High-temperature polymer housing resists denting and wear
- With no filament to break, solid state lighting proves far more durable than incandescent sources

# Mag-Seals



- Constructed of 22 oz black vinyl
- Kit seals hydraulic, air powered, and mechanical pit levelers
- Double row of magnets are sewn in place every 12" sealing the gap between dock leveler and pit wall
- Reduces air infiltration and lowers energy costs
- Keeps trash and debris out of pit area
- Added protection against bugs and rodents
- Installs in minutes with no need to crawl under the leveler or open the overhead door
- Professional install is not required

# CAUTION PULL IN OR OUT ON GREEN ONLY MOITUAD JUN RO WI

# OSLA - Outside Light Assembly

- ATURES
- Exterior lights are standard with LED for extended life
- One light shows a red X and a green circle for color impaired individuals
- UV stabilized polycarbonate housing will not rust, pit or corrode like similar metal units

## **Safety Gate**

ATURES

- Railing protection that meets or exceeds OSHA 1910.23 for elevated work platforms
- Gas strut ensures easy one handed operation
- Designed to stay in the open position when raised
- Available in 8ft and 10ft widths
- Constructed of carbon steel with durable yellow powder-coat finish
- imple installation in about 20 minutes



# **Tough Strut**

ATURES

- Secondary precautionary strut for air, mechanical, and select hydraulic dock levelers from systems, inc.
- Helps provide additional support to the leveler during maintenance
- Holds dock levelers with comparative industry rating (cir) of up to 55,000 lbs
- Structural-steel construction

- Secure to the frame of the leveler
- Adjust the positioning of the strut in each direction
- Adjust the positioning of the strut in each direction



#### **Track Guard LS**

ATURES

- Equipped with pre-drilled mounting holes to accommodate a number of different photo eyes and entrapment protection devices
- Designed to withstand light fork truck and pallet impact while protecting the overhead door track from damage
- Powder coated safety-yellow makes it easy for the fork truck operator to identify the edge of the door opening
- Unit mounts to both the floor and to the wall providing extra strength and durability
- Top taper helps prevent finger pinching by pushing the hand away from the unit while the door is closing



#### **Trailer Stabilizers**

ATURES

#### **Heavy Duty Trailer Stabilizer**

- 100,000 lb static load capacity
- Oversized contact pad (5" x 30" x 1/4") (127 x 762 x 6 mm)
- Oversized base (5" x 30" x 1/4") (127 x 762 x 6 mm)
- Ergonomically designed bicycle-style handle with vinyl grips
- 16" solid rubber tires for easy mobility on all surfaces

#### **Stabilizer Stand**

- Twin-spin levelling system
- 6" diameter supporting pads
- Ergonomically designed bicycle style handle with vinyl grips
- 10" diameter wheels
- 100,000 lb static load capacity (50,000 per post)







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poweramp.com

Designed, Engineered, and Manufactured in the U.S.A.
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Consistent with our policy of continuing product improvement, we reserve the right to change product specifications without notice or obligation.

Premium Loading Dock Systems