



KELLEY



Hydraulic Dock Levelers

Kelley Hydraulic Dock Levelers are designed to handle the fast pace of busy loading docks. With unique design features and state-of-the-art hydraulics, these dock levelers are built to last.

KELLEY HYDRAULIC DOCK LEVELERS: Proven Performance and Efficiency.

FOR MAXIMUM PRODUCTIVITY in the most demanding dock environment, Kelley offers a complete line of hydraulic dock levelers. Kelley uses only advanced hydraulic technology and design simplicity to keep productivity high and maintenance costs low.

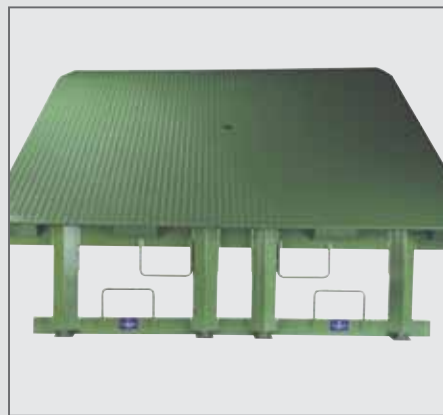
SAFE T FRAME

A SAFER, STRONGER DOCK LEVELER

For decades, all dock levelers installed in a concrete pit have required an installer to place and weld steel shim under the front and rear frame of the dock leveler in order to level the device and provide long-term support. This conventional process can lead to installation errors, as installers are often working under the dock leveler in a cramped environment and may not use the correct size shim and/or weld the shim properly.



The result: the dock leveler can suffer structural fatigue which may lead to expensive repair or replacement.



SafeTFrame Advantages:

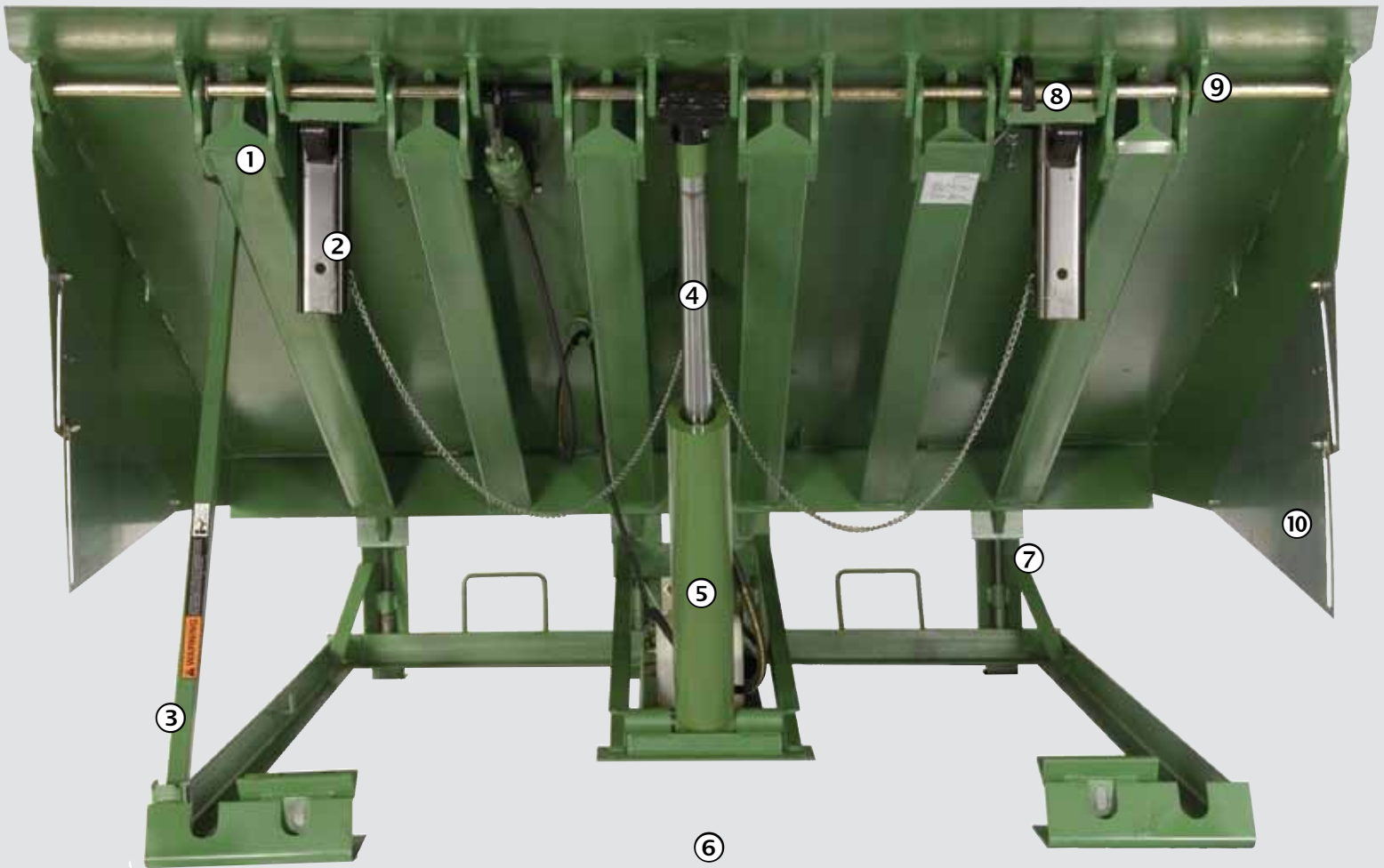
- Greater structural strength & durability
- Eliminates installation issues common with conventional dock levelers
- Ensures level transition from warehouse floor to dock leveler
- Eliminates premature structural fatigue due to improperly shimmed/installed dock leveler

DESIGNED TO REDUCE MAINTENANCE COSTS AND EXTEND LIFE

It is common to find a separate pump and motor on dock levelers. This forces oil through a maze of hoses and fittings between each system, increasing the risk of leakage. Kelley's hydraulic pump and motor are one assembly, using a maximum of two hoses and four fittings.



Many other hydraulic systems place the hydraulic cylinder in the center of the deck, putting enormous strain on the front of the dock leveler. Kelley hydraulic cylinders are positioned at the front of the deck to provide even distribution of the load weight, especially in a free-fall situation. Additionally, the chrome-plated cylinder rods are protected under the deck structure, far away from the pit floor and safe from dirt, debris and potential damage.



① *Lambda beam design and construction*

② *Automatic retracting 60,000 lb. (27,216 kg) structural steel dock level support legs for full, unrestricted working range*

③ *Integral support strut keeps ramp raised for routine maintenance and cleaning*

④ *4" (102 mm) diameter hydraulic cylinder mounted at front of ramp for maximum strength and efficiency*

⑤ *Totally enclosed, non-ventilated, unitized hydraulic pump and motor assembly with single hose per cylinder for longer life and lower maintenance cost*

⑥ *Unique open frame design*

⑦ *Patented SafeTFrame™ provides superior structural support and level interface with warehouse floor.*

⑧ *Integral lip lock keeps lip raised for routine maintenance and cleaning*

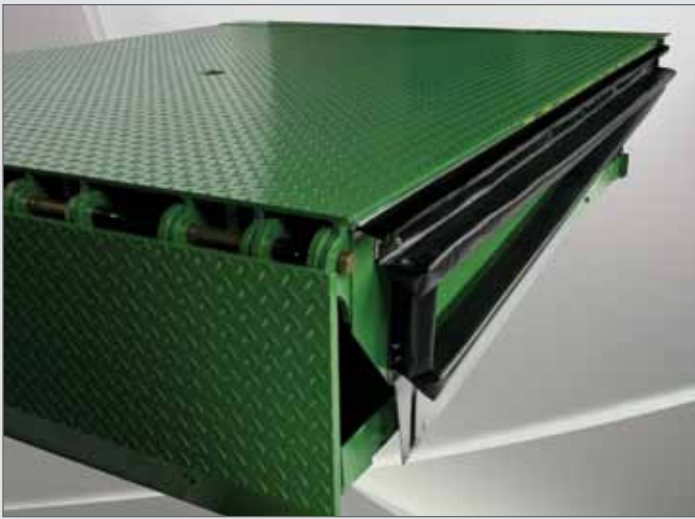
⑨ *Self-cleaning lug-style lip hinge with limited lifetime (rated) warranty*

⑩ *Full operating range toeguard*

PUSH-BUTTON CONTROL

KELLEY HYDRAULIC DOCK LEVELER functions are controlled through a standard NEMA 4x control panel. The operator pushes the button to raise the ramp. When the button is released, the dock leveler descends into position.

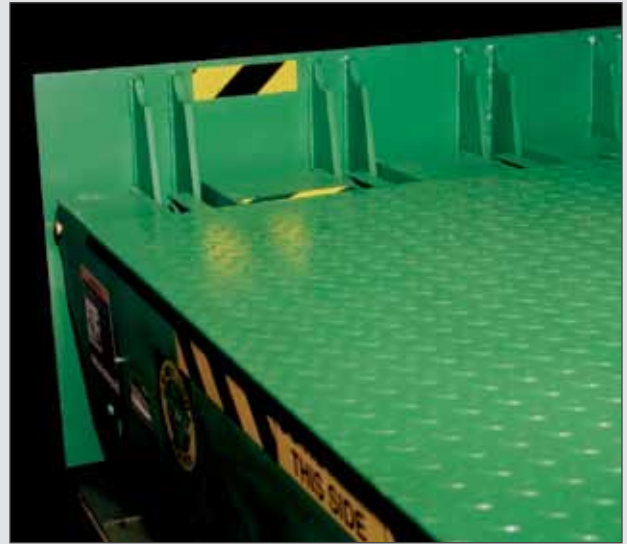




Guard against energy loss at your loading dock

ENERGY GUARD™ prevents energy loss by providing a superior perimeter seal along the sides and rear of the leveler and blocks dirt, debris and insects from infiltrating the loading dock. The innovative design closes off the gaps between the dock leveler and concrete pit walls, preventing the mass flow of air into and out of the facility and minimizing energy loss. Energy Guard is a factory installed option available on all Kelley Hydraulic Dock Levelers.

Kelley's HK hydraulic dock leveler can be equipped with a steel safety barrier lip, which provides a full-time 5" (127 mm) steel barrier to prevent accidental forklift roll-off. Kelley's Barrier Lip can stop a 10,000 lb. (4,536 kg) load at 4 mph (6.4 kph).



Kelley's HP dock leveler provides automatic hydraulic operation with a single push-button activation and a mechanically activated lip. The HP's unique Gravity-Lip™ automatically extends the lip in a smooth, quiet fashion as the dock leveler descends into the trailer.

FULL HYDRAULIC CONTROL

KELLEY HYDRAULIC DOCK LEVELERS are available with optional independent lip extension and hydraulic stop buttons to provide optimum operational efficiency and safety. They can also be fitted with automatic return-to-dock activation. In the event of premature truck departure, the dock leveler automatically returns to a level stored position.

KELLEY

⚠ DANGER
Arc Flash and Shock Hazard
PPE (Personal Protection Equipment) Required
Downstream equipment before working on or inside.
Do not open cover without appropriate PPE.

Read in full the full PPE requirements
Installation, Service and Repair Instructions

HYDRAULIC DOCK LEVELER

Use by untrained people could result in death or serious injury.
Do not operate with anyone standing on or in front of the dock leveler or other vehicle.
Read the Owner's Manual before operating, making adjustments or repairs.
With the selector switch in the "On" position, the dock leveler will automatically raise and return to dock level when the dock is lowered and the lip retracts.

USER INSTRUCTIONS:

1. Pull "STOP" button out and turn switch to "ON".
2. Push and hold in "RAISE" button. The ramp will rise and the lip will extend once the ramp reaches the highest position. To extend lip before highest position, push and hold the "EXTEND LIP" button until lip edge is above vehicle bed. Release button when lip has extended.
3. Ramp will lower until lip rests on the vehicle bed.
4. To return the dock leveler to the stored position when loading or unloading is complete:
 - A) Push and hold "RAISE" button. Ramp will rise and lip will lower.
 - B) Release "RAISE" button when lip clears vehicle bed.
 - C) Ramp will lower to dock level.
 - D) Push "STOP" button in and turn switch to "OFF".
5. For below dock and loads:
 - A) Pull "STOP" button out and turn switch to "ON".
 - B) Press "RAISE" button and hold until the ramp is 8" to 12" above dock level. Release the button before the ramp reaches its highest position.
 - C) Turn "ON/OFF" switch to the "OFF" position as the ramp begins to lower.
 - D) As ramp is lowering, walk onto the ramp and pull the chain located in the top ramp until it is fully extended. Hold the chain until the ramp passes below the dock level.
 - E) To return ramp to dock level, turn "ON/OFF" switch to "ON" position. Ramp will automatically return to the stored position.
 - F) Push "STOP" button in and turn switch to "OFF".

Off

On

Push To Raise

Push To Extend Lip

STOP

To stop ramp for an emergency stop, "STOP" button in. Do not operate equipment until ramp is fully lowered. When "STOP" button is in.

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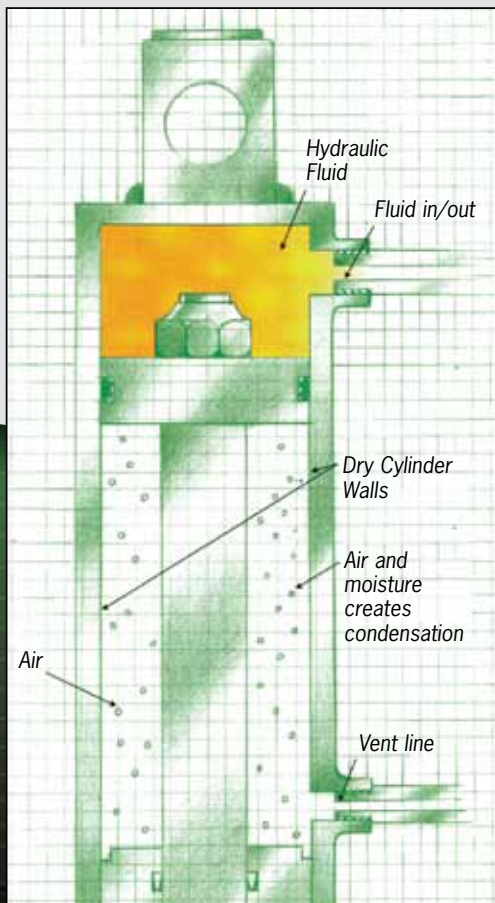
DESIGNED FOR IMPROVED SAFETY

ALL KELLEY HYDRAULIC DOCK LEVELERS are equipped with a unique, safety stop solenoid valve, which can interrupt the flow of hydraulics to stop the dock leveler at any stage of operation, and is effective even when power is disconnected. Kelley Hydraulic dock levelers also come standard with a hydraulic velocity fuse built into each cylinder, which restricts free fall of a loaded ramp to three inches, should a truck pull away from the dock prematurely.

Kelley hydraulic dock levelers utilize a totally enclosed, non-ventilated, regenerative hydraulic system. Old vented systems expose the rod to air, moisture and oxidation, but Kelley's regenerative system bathes the entire cylinder rod in oil in the stored position, eliminating rust on the rod and wear on the seals.



COMPETITIVE VENTED SYSTEM



COMPLETE LOADING DOCK AND WAREHOUSE SOLUTIONS

Kelley offers a comprehensive catalog of warehouse and loading dock equipment, providing you with a complete solution. Our product portfolio includes Dock Levelers, Vehicle Restraints, Dock Seals & Shelters, Industrial Dock Doors, Dock Lifts, HVLS Fans and a variety of aftermarket accessories.

INTEGRATE YOUR KELLEY EQUIPMENT FOR ADVANCED CONTROL AND SAFETY

KELLEY MASTER AND COMBO CONTROL PANELS streamline operations and deliver the ultimate in loading dock efficiency by consolidating the controls of multiple dock components into one easy-to-use, centralized panel. Available with pre-programmed interconnect/interlock sequences, Kelley Master and Combo Control Panels increase safety and enhance dock equipment performance by ensuring that all loading dock equipment is used in the proper sequence.



Kelley Master Panels integrate all equipment controls into one simple panel, saving wiring costs and improving efficiency and safety



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A continuing research program is in effect at Kelley. We reserve the right to incorporate product improvement at any time without prior notice.