



Pentalift HD Series Hydraulic Dock Leveler



HD Series Hydraulic Dock Levelers are designed to provide superior product value through prolonged, trouble-free performance. Convenient push button activation and proven hydraulic technology increase the efficiency and safety of the loading/unloading process. HD Series Hydraulic Dock Levelers provide superior performance in high frequency loading/unloading, heavy load and abusive environment applications. All dock levelers are factory tested before shipping.

Features:

- exclusive Pentalogic Hydraulic Manifold
- fully hydraulic operation (both deck and lip)
- hydraulic fallsafe
- lift cylinder position provides a mechanical advantage and maximum support during a fallsafe situation
- self-retracting lip assembly
- fixed rear hinge assembly facilitates deck canting
- full range toe guards
- integral maintenance stand
- night lock
- yellow/black safety striping

Description:

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Operation:

When the operator depresses and holds the raise button, the deck rises to its full height. The lip then extends into position. When the button is released, the deck and lip lower until the extended lip rests on the truck/trailer bed. If there is no truck/trailer present or the truck/trailer departs, the deck lowers, contacting the below level stops. The lip automatically drifts into the pendant position behind the dock bumpers. On units equipped with automatic return-to-stored position, the deck returns to the stored position with the lip behind the night lock. Deck lift and lip extension are controlled through the Pentalogic Hydraulic Manifold.

Structural Features:

- High-strength safety checker plate deck and lip assembly, 55,000 psi yield.
- Full-width, self-cleaning, heavy-wall hinge tube, 65,000 psi yield.
- Gussets on lip and headboard hinge maximize support.
- 50,000 psi yield headboard with bridged gaps and radii on all inside corners for maximum strength Structural, precision-formed "C" beams, 65,000 psi yield. Specially designed beams allow it to create and build the deck support with optimal strength-to-weight ratio for a dock leveler. Utilizing eight (8) beams assures an even load distribution and maximum deck support.

- Central deck beam for added support of three-wheeled vehicles.
- Full-width, structural channel tailboard and one-piece, full-width rear hinge complete with heavy steel gussets. This unique, welded assembly provides a box section for superior support.
- Rear frame assembly features eight points of even support for the full-width rear hinge.
- Heavy-duty front frame provides full-width, cross-traffic support and superior building aesthetics.
- Night lock prevents unauthorized entry when overhead door is locked on top of dock leveler.

Operating Features:

- Self-retracting, hydraulic lip cylinder is standard on all models for fully hydraulic operation.
- Top-fed, forward-positioned hydraulic lift cylinder.
- Full-range, telescopic toe protection assures total dock attendant safety. Section features a "bend relief" to maximize strength.
- Fixed rear hinge remains flush with the rear of the pit to eliminate potential pinch points and surface obstructions. Design allows 4" of lateral deck compensation to accommodate canted truck/trailer beds.
- Hydraulic power unit incorporating internal filtration system, 1 $\frac{1}{2}$ Hp TENV motor.
- Maintenance stand supports deck and lip during maintenance and service.

Options:

- pour-in-place installation style
- automatic return-to-stored position
- deck stop with independent lip control
- interlock to other dock equipment
- foam insulated deck
- weather seal (rubber or brush)
- 18" or 20" lip length
- other options available
- Models available in rated capacities of 25,000 to 160,000 lbs.