



Pentalift HD Series Roll-Off Stop Lip Dock Leveler



HD Series Roll-Off Stop Lip Hydraulic Dock Levelers are designed and built 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. The Roll-Off Stop Lip feature provides maximized safety for vacant door situations when no truck /trailer is in position. All lift dock levelers are factory tested before shipping.

Features:

- exclusive Pentalogic Hydraulic Manifold
- fully hydraulic operation (both deck and lip)
- full width, roll-off stop barrier
- 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:

The operator pushes and holds the raise button and the deck rises to 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 when the truck/trailer departs, the deck lowers, contacting the below level stops. The lip will automatically drift into the pendent position behind the dock bumpers. On units equipped with automatic return to stored position, the deck automatically returns to the stored position with the lip behind the night lock. In the stored position the HD Series Roll-Off Stop Lip provides an 8" high barrier to prevent the forklift from accidentally driving or rolling off of a vacant dock. This barrier is maintained at all times even after truck/trailer departure. The deck lift and lip extensions 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.

Roll-Off Stop Lip:

An offset hinge design allows the lip to automatically provide an 8" high roll-off barrier when in the stored position. A full width, self-cleaning hinge ensures on-going reliable performance with low maintenance. By eliminating intricate sliding mechanisms it is possible to maintain the HD Series Roll-Off Stop Lip feature at all times, even during higher risk, below level, end-loading operations.

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
- 18" or 20" lip length
- other options available
- Models available in rated capacities of 25,000 to 100,000 lbs.