

HNL Series Hydraulic Edge-of-Dock Leveler

Specification Sheet & Submittal

20K - 35K
CIR

66" - 84"
WIDTH



Standard Features

NEMA, 12 push-button control panel	Full width distribution bar for extra durability
Manual activation in case of power failure	Secondary gussets for added strength and extended life
Cold, rolled-steel hinge pins for added strength and long life	Heavy-duty bumper block assemblies with Tuf-Cord rubber bumpers 4"x 12"x 13"
Milled lip edge for smooth tire rollover	Bumper projection 15"
Grease fittings throughout	Designed and manufactured in the USA
High-strength steel safety treadplate	

General Description

DLM invented the industries first "edge-of-dock" leveler over 40 years ago, setting the pace for the industry. The DLM "HNL" series hydraulic Edge-of-Dock Leveler mounts to the exterior dock face providing a simple

and economical alternative to "portable plates" or "pit style" levelers. Edge-of-Dock Levelers are ideal for the motor freight industry or those companies with standardized trailer bed heights. Systems, LLC is an active member of Loading Dock Equipment Manufacturers (LODEM), a product section of the Material Handling Industry. Unit conforms to OSHA, and is manufactured in compliance with the American National Standard of Safety Performance and Testing of Dock Leveling Devices (ANSI) MH 30.1. Unit manufactured by Systems, LLC.

Standard Operation Features

The HNL is controlled remotely from a wall mounted NEMA 12 control panel. The platform is raised when the "raise" push button on the control panel is depressed and held. To lower the platform onto the truck, the "lower" push button on the control panel is depressed and held until the lip rests on the back of the truck. When loading or unloading is finished the leveler is stored when the "raise" push button on the control panel is depressed and held. The lip will fold and the platform will return to the stored position. In-use and store positions are achieved without manual operation. Each HNL Series model provides a recommended working range of +/-3" and a maximum operating range of +/-5" above or below dock level. Standard lip is 15". (17" lip available for refrigerated trailers)

Construction

The platform and lip are constructed of 4-way high tensile 55,000 psi minimum yield A572 safety tread plate. The tread plate on the 20,000 and 25,000 lbs CIR units is 3/8" thick, the 30,000 lbs CIR unit is 7/16" thick and the 35,000 lbs CIR unit is 1/2" thick. The standard lip length is 15" on all HNL Series edge of dock levelers. Hinge tubes are 1 1/4" OD for 20,000, 25,000 and 30,000 lbs CIR and 1 1/2" OD for 35,000 lbs CIR units. Lip hinge pins are 11/16" solid shaft cold finish M1044 steel for 20,000, 25,000 and 30,000 lbs units and 1" FOR 35,000 lbs CIR units. Each edge of dock leveler comes standard with 1/2" full width load distribution bar, meeting the hinge and lip sections. Deck is supported in the stored position by a minimum of four (4) steel gussets attached to the base plate.

Electrical

Hydraulic pump motor is 1 HP TENV at 115v, single phase. All electrical components, connections and wiring are UL listed or recognized. Please Note: Unless specifically noted on quotation, all electrical requirements are the responsibility of others.

Bumper Block Assemblies

Each HNL Series Leveler is shipped with two (2) bumper block assemblies to help protect the deck plate and building from the approaching truck. Bumper block

assemblies are extra-heavy duty 4"x12"x13" constructed of formed steel and incorporate a full height internal gusset for extra support. All DLM bumper blocks feature 4" thick Tuf-Cord rubber bumper.

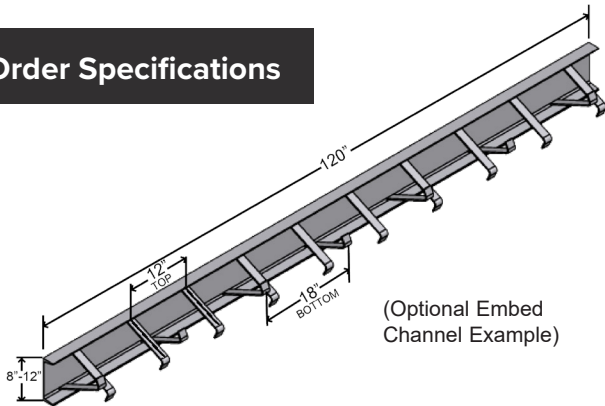
Installation

For new construction a flush or recessed 8" to 12" anchoring channel is strongly recommended. Unit is welded and anchored to embed plate and foundation wall. For existing docks without preferred embed channel optional ramp approach plates or formed angles are available to maximize the strength of the installation.

Warranty

All DLM HNL Series Hydraulic edge-of-docks feature a full one (1) year base warranty on all structural, hydraulic and electrical parts, including freight and labor charges in accordance with Systems, LLC's Standard Warranty Policy. Systems, LLC warrants all components to be free of defects in materials and workmanship, under normal use, during the warranty period. This base warranty period begins upon the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier.

Order Specifications



Dimensions and Capacities

Select a Model and a Capacity

MODEL	DECK WIDTH	TOTAL UNIT WIDTH	CIR (Comparative Industry Rating)
☐ HNL-66	66"	104"	20,000 CIR
☐ HNL-72	72"	110"	25,000 CIR
☐ HNL-78	78"	116"	30,000 CIR
☐ HNL-84	84"	122"	35,000 CIR

Required Information

CUSTOMER	
JOB	
LOCATION	
NUMBER OF UNITS	
MODEL	
SIZE	
REPRESENTED BY	
SALES REP	

Standard NeverLift Handles			
35,000 CIR	NeverLift III Handle		
30,000 CIR			
25,000 CIR			
20,000 CIR			
	HNL-66	HNL-72	HNL-78 HNL-84

NeverLift Handles

NL I - (11GA x 1" x 1" Sq. Tube)

41"

60"

NL III - (1" Sch. 80 Pipe)

Check Options Desired

Optional Equipment	☐ 17" Lip	☐ Approach Size
	☐ Tapered Lip (4"< ramp width)	☐ Foamed Angle Size
	☐ US Post Office Model with 3" Run Off Guards	☐ iDock™ Alert Communication System
	☐ Recessed Design with 4" Thick Laminated Bumpers	☐ PowerStop® Restraint (manual)
	☐ Sliding Bumper Blocks	☐ PowerStop® Restraint (auto)
	☐ Other Bumpers	☐ Wheel Chocks Model # _____
	☐ Low Clearance Design (Flat Center Plate) Pallet Jack Applications	☐ Dock Light (no bulb) Model # _____
	☐ Four Sided Box Construction	☐ Other _____
	☐ Embed Channel Size	☐ Other _____

Certified for Construction

BY	
DATE	
COMPANY	
CITY & STATE	
VOLTAGE / PHASE	
DRAWING #	