

# HED Series Hydraulic Edge of Dock Leveler

## Specification Sheet & Submittal

20K - 35K  
CIR

66" - 84"  
WIDTH



### Standard Features

Bridges the gap between building and truck where a minimal variance exists between dock and truck with a recommended working range of +/-3" and a maximum operating range of +/- 5" above and below dock level	Quiet dependable operation via two cylinder design with deck and lip cylinders. Motor/pump mounts in readily accessible area on shelf under unit
Standard NEMA 4 single push-button control for easy activation of deck and lip. Utilizes all single phase and three phase power	HED comes complete with automatic and hydraulic restore functions
Service strut for safe maintenance	Designed and manufactured in the USA

### General Description

All McGuire HED Series Edge of Dock Levelers incorporate the use of hydraulic components to raise and lower both the platform and lip. The HED Series Edge of Dock Leveler mounts to the exterior dock face providing a simple and economical alternative to "portable plates" or "pit style" levelers. The product is ideal for the motor freight industry or those companies with standard 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.

### Construction

The platform and lip are constructed of 4-way high tensile 55,000 lb minimum yield A572 safety tread plate. The tread plate on the 20,000 and 25,000 lbs DIR units is 3/8" thick, the 30,000 lb CIR unit is 7/16" thick and the 35,000 lb CIR unit is 1/2" thick. The standard lip length is 15" on all HED 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 lb CIR units. Each edge of dock leveler comes standard with 1/2" full width load distribution bar, connection 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.

### Operation

The HED is controlled remotely from a wall mounted control panel. The platform is raised when the raise push button on the control panel is depressed and held. When the fully yieldable lip extends the button is released allowing the extended lip and platform to lower onto the trailer bed at either above or below dock position. Upon trailer departure the lip automatically restores itself to the stored position. The unit can also be restored with the trailer at the dock. In-use and store positions are achieved without manual operation. The HED provides a recommended working range of +/-3" and a maximum operating range of +/-5" above and below dock level. Standard lip is 15". (17" lip available for refrigerated trailers) The HED deck and lip move up and down under hydraulic pressure.

### 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.

## Hydraulics

Platform is raised by a main hydraulic cylinder; all hydraulic hoses are safely routed under the HED platform. Lip operation is controlled by a second independent lip cylinder. Motor pump is mounted under HED on bracket for easy access. Reservoir is translucent for monitoring of fluid level.

## Electrical

Hydraulic pump motor either 1 HP TENV at 120v or 208v, single phase or at 208v, 230v or 460v three phase.. Electrical control panel is NEMA 4 enclosure. 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.



## Colors

Levelers painted slate blue. Other colors are available. Consult factory.

## Dock Bumpers

Two heavy duty molded 4" thick x 12" high x 13" wide molded rubber bumpers as standard mounted to bumper block assemblies, with total projection of 18", to help protect the deck plate and building from approaching trailers.

Bumper block assemblies are constructed of formed steel and incorporate a full height internal gusset for extra support. Top is safety tread plate. Optional sizes and types are available.

## Vehicle Restraint Systems

McGuire HED Series hydraulic edge of dock levelers can be equipped with an optional UniChock, UXL, STOP-TITE®, TPR®, and TPR® UniLock series vehicle restraint or a Light Communication System to help prevent unexpected trailer departure from the loading dock and minimize trailer creep during the loading/unloading process and to enhance communication at the dock area. The restraints would be supplied in conjunction with the proper cantilever bracket to maintain proper relationship with the trailer.

## Warranty

All McGuire HED 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 McGuire's Standard Warranty Policy. McGuire 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	NOMINAL SIZE	CIR (Comparative Industry Rating)
<input type="checkbox"/> HED	66"	<input type="checkbox"/> 20,000 CIR
<input type="checkbox"/> HED	72"	<input type="checkbox"/> 25,000 CIR
<input type="checkbox"/> HED	78"	<input type="checkbox"/> 30,000 CIR
<input type="checkbox"/> HED	84"	<input type="checkbox"/> 35,000 CIR

### Check Options Desired

### Optional Equipment

- 17" Lip for Refrigerated Trailers
- U.S. Post Office Model with 3" Run Off Guards
- Tapered Lip (Tapered at Sides)
- Abrasive Deck Surface Over 4 Way Safety Tread Plate
- Low Profile Design (Flat Center Plate) Pallet Jack Applications
- Stainless Steel Hinge Pins
- Cold Spray Metallized
- Recessed EOD with Laminated Bumpers (1 Pair) (in lieu of standard)
- Extra Heavy Duty Sliding Bump Block Series
- Wall Mounting Bracket (1 Pair) (in lieu of standard)
- Steel Face Bumpers (1 Pair) (in lieu of standard)
- No bumpers/Bumper Blocks (1 Pair)
- Special Paint

## Required Information

CUSTOMER	
JOB	
LOCATION	
NUMBER OF UNITS	
MODEL	
VOLTAGE/PHASE	
REPRESENTED BY	
SALES REP	

## Certified for Construction

BY	
TITLE	
DATE	
COMPANY	
CITY & STATE	