

# MP Series Mechanical Leveler

## Specification Sheet & Submittal

22K - 55K  
CIR

6' - 7'  
WIDTH

6' - 10'  
LENGTH



### Standard Features

|  |  |
|--|--|
| Easy pull-chain activation with fingertip release  | B410-14 laminated dock bumpers   |
| Lip-supporting service strut   | Below dock end load capability   |
| Positive lip extension with yieldable lip  | Full width rear hinge mounted in compression with structural channel support |
| Structural C and I beam deck supports (45K and above)  | Integral maintenance strut is lockout/tagout compliant                       |
| Simple operation with a cam and roller counter balance system that assures smooth dependable walk down | Subframe design allows for easy pit clean out                                |
| Unique hold-down assembly provides full float and automatic release capability with air ride trailers  | Designed and manufactured in USA   |

### General Description

All McGuire MP Series dock levelers incorporate the use of mechanical components to raise and lower both the platform and lip. 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 McGuire.

### Construction

The platform is constructed of  $\frac{1}{4}$ " thick 4-way high strength, low alloy 50,000 minimum yield A572 safety tread plate. Platform is reinforced and supported by full length 6" high "C" channels for 25,000 lb CIR to 40,000 lb CIR units, full length 6" high structural channel for 45,000 lb CIR units and full length 6" high structural channel and I beams for 55,000 lb CIR units, all welded to deck, front and rear header, for firm structural support. Front and rear header plate is  $\frac{1}{2}$ " thick x 7" high hot rolled steel. McGuire MP series lips are 4-way safety tread plate, the 25,000 lb CIR is  $\frac{1}{2}$ " thick and the 30,000, 35,000, 40,000 lb CIR are  $\frac{5}{8}$ " thick and the 45,000 lb, 55,000 lb CIR units are  $\frac{3}{4}$ " thick. The standard lip length is 16" on all capacities. Hinge tubes are 1  $\frac{3}{4}$ " OD x 5/16" wall, 1 7/8" OD x 3/8" wall or 2 1/8" OD x 1/2" wall depending on CIR. All lip hinge pins are 1" diameter M1044 steel. Steel header gussets are standard on all models 35,000 lb CIR and above. All units have grease fittings as standard. All platforms are designed to compensate for up to 4" of canted trailer bed.

### Operation

The MP Series Leveler is shipped completely assembled and ready for use, once permanently installed in preformed pits. Leveler to be operated by pulling and holding ring at rear of ramp; unit will raise and lip will extend and hold. No manual lifting is required. Unit is powered by extension springs and guided by counter balance assembly. Operator to walk ramp down to truck bed. Hold-down and float mechanism will hold ramp in place and will float with trailer movement. To store leveler while truck is in place, feather the release chain until lip folds and is clear of truck, then walk ramp down into lip keepers. Service range is from 12" above to 12" below dock level. Lip keepers provide nighttime security and cross-traffic support. Maintenance strut with lockout/tagout capability is provided as standard. Factory finish includes rust inhibitive coat industrial grade finish. Special coating and colors are optional.

## Installation

Unit shipped completely assembled and ready for installation in preformed concrete pit. Pit construction to be in accordance with certified McGuire pit detail drawings.

## Safety Equipment

Pivoting cross traffic legs of solid steel bar construction provide multi-position safety at dock level and below. Self contained lip control yields under impact from incoming trailer. Leveler is equipped with built-in maintenance strut that is lockout/tagout compliant; working range toe guards and night lock security. MP series can be equipped with UniChock™, UXL, STOP-TITE®, TPR®, or TPR® UniLock series vehicle restraint devices or Light Communication System signs and lights.

## Colors

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

## Dock Bumpers

Two black laminated 4" thick x 10"H x 14"W standard. Optional sizes and types are available.

## Order Specifications

### Dimensions and Capacities

#### Select a Model and a Capacity

| MODEL                                       | CIR<br>(Comparative Industry Rating) |
|---|--------------------------------------|
| <input type="checkbox"/> MP-66 6' x 6'      | <input type="checkbox"/> 30,000 CIR  |
| <input type="checkbox"/> MP-68 6' x 8'      | <input type="checkbox"/> 35,000 CIR  |
| <input type="checkbox"/> MP-610 6' x 10'    | <input type="checkbox"/> 40,000 CIR  |
| <input type="checkbox"/> MP-656 6'6" x 6'   | <input type="checkbox"/> 45,000 CIR  |
| <input type="checkbox"/> MP-658 6'6" x 8'   | <input type="checkbox"/> 50,000 CIR  |
| <input type="checkbox"/> MP-6510 6'6" x 10' | <input type="checkbox"/> 55,000 CIR  |
| <input type="checkbox"/> MP-76 7' x 6'      |                                      |
| <input type="checkbox"/> MP-78 7' x 8'      |                                      |
| <input type="checkbox"/> MP-710 7' x 10'    |                                      |

## Required Information

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

#### Check Options Desired

### Optional Equipment

- 18" Lip
- 20" Lip
- Brush Weather seal
- Rubber Weather seal
- 3-wheel Fork Truck Protection
- Pit Steel (6 piece curb angle set)
- Pit Steel (4/angle,2/bumper)
- Pit Kit (3 sided)
- Pan Unit (4 sided)
- Foam Insulation
- Special Color\_\_\_\_\_
- Full Range Toe Guards
- Vertical Bumpers (laminated)
- VB420-11  VB424-11
- 6" Thick Dock Bumpers
- TPR® Restraint
- TPR UniLock® Restraint
- Stop-Tite® Restraint (manual)
- Stop-Tite® Restraint (auto)
- UniChock™ Restraint
- UXL Restraint
- Light Communication System
- Dock Alert (NEMA12)
- iDock 1.0 Alert
- iDock 2.0 Alert
- Wheel Chocks Model #\_\_\_\_\_
- Dock Light (no bulb) Model #\_\_\_\_\_
- Other\_\_\_\_\_
- Other\_\_\_\_\_

## Certified for Construction

|              |  |
|--------------|--|
| BY           |  |
| TITLE        |  |
| DATE         |  |
| COMPANY      |  |
| CITY & STATE |  |