

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 ¼" 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 ½" thick x 7" high hot rolled steel. McGuire MP series lips are 4-way safety tread plate, the 25,000 lb CIR is ½" thick and the 30,000, 35,000, 40,000 lb CIR are 5/8" thick and the 45,000 lb, 55,000 lb CIR units are ¾" thick. The standard lip length is 16" on all capacities. Hinge tubes are 1 ¾" OD x 5/16" wall, 1 7/8" OD x 3/8" wall or 2 1/8" OD x ½" 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.

Vehicle Restraint Systems

McGuire MP Series mechanical levelers can be equipped with an optional UniChock, UXL, STOP-TITE, TPR, or 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.

Warranty

All McGuire MP Series models feature a full one (1) year base warranty on all structural and mechanical parts, including freight and labor charges in accordance with Systems, LLC's standard warranty policy. Structural components carry an additional four (4) year pro-rated warranty. 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. Additional warranty extensions may be available upon approved submittal of application information.

Order Specifications

Dimensions and Capacities

Select a Model and a Capacity

MODEL NOMINAL SIZE	CIR (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

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

Certified for Construction

BY	
TITLE	
DATE	
COMPANY	
CITY & STATE	