

# McGUIRE

A Division of Systems, Inc.

# MP SERIES

## MECHANICAL DOCK LEVELER

- ▶ Simple operation with a cam and roller counterbalance system that assures smooth dependable walk down
- ▶ Unique hold-down assembly for full float and automatic release capability with airride trailers
- ▶ Easy pull-chain activation with fingertip release
- ▶ Positive lip extension with yieldable lip
- ▶ Below dock end load capability
- ▶ Full width rear hinge mounted in compression with structural channel support
- ▶ Integral maintenance strut is lockout/tagout compliant with lip support strut that also allows convenient servicing of the lip



\* MP6855 shown with structural C & I beam deck support and optional weather seal.

**GENERAL DESCRIPTION:** All McGuire MP Series dock levelers incorporate the use of mechanical components to raise and lower both the platform and lip. Systems, Inc. is an active member of Loading Dock Equipment Manufacturers (LODEM), a product section of the Material Handling Industry. Unit conforms to OSHA, U.S. Department of Commerce Standard CS-202-56 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.

**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.

**CONSTRUCTION:** The platform is constructed of 1/4" thick 4-way high tensile 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 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 1/2" thick and the 30,000, 35,000, 40,000, 45,000 and 55,000 lb CIR are 5/8" thick. The standard lip length is 16" on all capacities. Hinge tubes are 1 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.

**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 STOP-TITE® or HOLD-TITE® series vehicle restraint devices or Light Communication System signs and lights.

**COLORS:** Levelers painted slate blue. Other colors available. Consult factory.

**DOCK BUMPERS:** Two molded 4" thick x 12" high x 13" wide bumpers as standard. Optional sizes and types are available.

**VEHICLE RESTRAINT SYSTEMS:** W.B. McGuire MP Series mechanical levelers can be equipped with STOP-TITE® or a HOLD-TITE™ 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, Inc.'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.

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### Optional Equipment for MP Series Mechanical Dock Levelers

Check Options Desired

- |  |   |
|--|---|
| <input type="checkbox"/> 18" Lip   | <input type="checkbox"/> Other _____                        |
| <input type="checkbox"/> 20" Lip   | <input type="checkbox"/> Laminated bumpers                  |
| <input type="checkbox"/> Rubber weather seal   | <input type="checkbox"/> B410-14 (horizontal)               |
| <input type="checkbox"/> Brush weather seal  | <input type="checkbox"/> VB420-11 (vertical)                |
| <input type="checkbox"/> 3 wheel fork truck protection (standard on 45,000 & 55,000 CIR units) | <input type="checkbox"/> VB424-11 (vertical)                |
| <input type="checkbox"/> Pit steel (6 piece curb angle set)                                    | <input type="checkbox"/> 6" thick dock bumpers              |
| <input type="checkbox"/> Pit steel (4 angle/2 bumper)  | <input type="checkbox"/> Steel faced                        |
| <input type="checkbox"/> Pit kit (3 sided)   | <input type="checkbox"/> HOLD-TITE® restraint               |
| <input type="checkbox"/> Pan unit (4 sided)  | <input type="checkbox"/> STOP-TITE® restraint (manual)      |
| <input type="checkbox"/> Foam insulation   | <input type="checkbox"/> STOP-TITE® restraint (automatic)   |
| <input type="checkbox"/> Special color _____   | <input type="checkbox"/> Light Communication System         |
| <input type="checkbox"/> Yellow and black toe guard safety tape                                | <input type="checkbox"/> Wheel chocks model # _____         |
| <input type="checkbox"/> Other _____   | <input type="checkbox"/> Dock light (no bulb) model # _____ |

### Dimensions and Capacities

Select a Model and a Capacity

MP MODEL - NOMINAL SIZE		CAPACITY-COMPARATIVE INDUSTRY RATING (CIR)	
<input type="checkbox"/> MP-66 6' x 6'	<input type="checkbox"/> MP-6510 6'6" x 10'	<input type="checkbox"/> 25,000 LBS. CIR	
<input type="checkbox"/> MP-68 6' x 8'	<input type="checkbox"/> MP-76 7' x 6'	<input type="checkbox"/> 30,000 LBS. CIR	
<input type="checkbox"/> MP-610 6' x 10'	<input type="checkbox"/> MP-78 7' x 8'	<input type="checkbox"/> 35,000 LBS. CIR	
<input type="checkbox"/> MP-656 6'6" x 6'	<input type="checkbox"/> MP-710 7' x 10'	<input type="checkbox"/> 40,000 LBS. CIR	
<input type="checkbox"/> MP-658 6'6" x 8'		<input type="checkbox"/> 45,000 LBS. CIR	
		<input type="checkbox"/> 55,000 LBS. CIR	

Customer: \_\_\_\_\_

Job: \_\_\_\_\_

Location: \_\_\_\_\_

Number of Units: \_\_\_\_\_

Model: \_\_\_\_\_

Represented By: \_\_\_\_\_

Sales Rep: \_\_\_\_\_

Certified for Construction:

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Company: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Consistent with our policy of continuing product improvement, we reserve the right to change product specifications without notice or obligation.

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SS MP 2/08