

## ESM Series Mechanical Dock Leveler Specification Sheet and Submittal



ESM Series, 7' x 8', 45,000 CIR

### STANDARD FEATURES FOR THE ESM SERIES MECHANICAL DOCK LEVELER

- Four Sided Box Construction Deck Assembly
- Multi-position Structural Steel Safety Legs
- Extended Range Float/Hold-down Mechanism
- Yieldable Lip Plate
- CamControl Counter Balance Assembly
- Lip Drive Positive Lip Extension
- Center-hold down
- Lockout Tagout Maintenance Strut
- Night Locks/Cross Traffic Support
- Two (2) B410-14 Laminate Bumpers
- Made in the USA

*This is a lightweight and economical leveler alternative to our standard product line.  
Exclusively available through select dealerships.*



# ESM Series Mechanical Dock Leveler Specification Sheet and Submittal

**GENERAL DESCRIPTION:** All DLM® ESM 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 Systems, LLC.

**CONSTRUCTION:** The platform is constructed of 1/4" thick 4-way high strength, low alloy 50,000 minimum yield A572 steel safety treadplate. Platform is reinforced and supported by full-length formed angles for 35,000 CIR and 6" formed "C" channels for 45,000 lb CIR capacity units. Front and rear header plate is of 1/2" x 7" hot rolled steel. DLM ESM Series lips are made of 4-way safety treadplate, the 35,000 and 45,000 lb Comparative Industry Rating (CIR) are 1/4" thick. The standard lip length is 16" on all capacities. Hinge lugs are 5 1/2 x 3" high tensile (A572) steel., lip hinge pins are 1" M1044 steel. All platforms are designed to compensate for up to 4" of canted truck beds.

**STANDARD OPERATIONAL FEATURES:** The ESM Series Leveler is shipped completely assembled and ready for use, once permanently installed in pre-formed 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 CamControl™ 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 are welded to frame and members providing nighttime security and cross-traffic support. Maintenance prop with "Lockout Tagout" capability is provided as standard. Factory finish includes rust inhibitive prime coat industrial grade finish. Each ESM Series leveler is shipped with two (2) 4 1/2" thick x 10" high x 14" wide laminated bumpers as standard.

**INSTALLATION:** Unit shipped completely assembled and ready for installation in preformed concrete pit. Pit construction to be in accordance with certified Systems, LLC pit detail drawings. Contact Systems, LLC for current cost and nearest distributor.

**WARRANTY:** All DLM ESM 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. 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.

Dimensions and Capacities Select a Model and a Capacity		
MODEL - NOMINAL SIZE		DYNAMIC / COMPARATIVE CAPACITY / INDUSTRY RATING
<input type="checkbox"/> ESM-66	6' x 6'	<input type="checkbox"/> 17,500/35,000 lbs. <input type="checkbox"/> 22,500/45,000 lbs.
<input type="checkbox"/> ESM-68	6' x 8'	
<input type="checkbox"/> ESM-76	7' x 6'	
<input type="checkbox"/> ESM-78	7' x 8'	

## Optional Equipment for ESM Series Mechanical Dock Levelers (Check options desired)

- |  |   |
|--|---|
| <input type="checkbox"/> TPR® Restraint                          | <input type="checkbox"/> Pit Kit (3 sided)                          |
| <input type="checkbox"/> TPR UniLock® Restraint                  | <input type="checkbox"/> Pan Unit (4 sided)                         |
| <input type="checkbox"/> PowerStop® Restraint (manual) (S.C.)    | <input type="checkbox"/> Brush Weather seal                         |
| <input type="checkbox"/> PowerStop® Restraint (automatic) (S.C.) | <input type="checkbox"/> Rubber Weather seal                        |
| <input type="checkbox"/> UniChock™ Restraint                     | <input type="checkbox"/> Vertical Bumpers (laminated)               |
| <input type="checkbox"/> UXL Restraint                           | <input type="checkbox"/> VB420-11 <input type="checkbox"/> VB424-11 |
| <input type="checkbox"/> 18" Lip                                 | <input type="checkbox"/> 6" Thick Dock Bumpers                      |
| <input type="checkbox"/> Dock Alert Communication System         | <input type="checkbox"/> Wheel Chocks Model # _____                 |
| <input type="checkbox"/> iDock® Alert Communication System       | <input type="checkbox"/> Dock Light (no bulb) Model # _____         |
| <input type="checkbox"/> 3-wheel Fork Truck Protection           | <input type="checkbox"/> Other _____                                |
| <input type="checkbox"/> Pit Steel (6 piece curb angle set)      |   |
| <input type="checkbox"/> Pit Steel (4/angle,2/bumper)            |   |

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

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

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

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

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

Size: \_\_\_\_\_

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

SalesRep: \_\_\_\_\_

Certified For Construction:

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

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

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

City &amp; State: \_\_\_\_\_

A continuing product improvement process is in effect at Systems, LLC. As such, we reserve the right to make product changes without prior notice.

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