

ESM Series Mechanical Leveler

Specification Sheet & Submittal



35K - 45K
CIR

6' - 7'
WIDTH

6' - 8'
LENGTH

Standard Features

11-tooth, center hold-down/float assembly	Below dock end loading capability
Cam control counter balance assembly	Four-sided box construction deck assembly
Lip drive positive lip extension	Lockout/tagout maintenance strut
Lip-supporting service strut	Night locks/cross traffic support
Multiple position safety stop	Working-range toe guards
Yieldable lip plate	Designed and manufactured in the USA

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.

Standard Operation 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.

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 hot rolled steel. DLM ESM Series lips are made of 4-way safety treadplate. 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.

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.

Order Specifications

Dimensions and Capacities

Select a Model and a Capacity

MODEL NOMINAL SIZE	CIR (Comparative Industry Rating)
<input type="checkbox"/> ESM-66 6' x 6'	<input type="checkbox"/> 35,000 CIR
<input type="checkbox"/> ESM-68 6' x 8'	<input type="checkbox"/> 45,000 CIR
<input type="checkbox"/> ESM-76 7' x 6'	
<input type="checkbox"/> ESM-78 7' x 8'	

Required Information

CUSTOMER	
JOB	
LOCATION	
NUMBER OF UNITS	
MODEL	
SIZE	
REPRESENTED BY	
SALES REP	

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)	<input type="checkbox"/> Foam Insulation
<input type="checkbox"/> PowerStop® Restraint (auto)	<input type="checkbox"/> Special Color_____
<input type="checkbox"/> UniChock™ Restraint	<input type="checkbox"/> Clean Sweep Frame
<input type="checkbox"/> UXL Restraint	<input type="checkbox"/> Brush Weather seal
<input type="checkbox"/> Integrated Control Panel	<input type="checkbox"/> Rubber Weather seal
<input type="checkbox"/> 18" Lip	<input type="checkbox"/> Lip Supporting Service Strut
<input type="checkbox"/> 3 Phase Motor Voltage	<input type="checkbox"/> Vertical Bumpers (laminated)
<input type="checkbox"/> Light Communication System	<input type="checkbox"/> VB420-11 <input type="checkbox"/> VB424-11
<input type="checkbox"/> Dock Alert (NEMA12)	<input type="checkbox"/> 6" Thick Dock Bumpers
<input type="checkbox"/> iDock 1.0 Alert	<input type="checkbox"/> Wheel Chocks Model #_____
<input type="checkbox"/> iDock 2.0 Alert	<input type="checkbox"/> Dock Light (no bulb) Model #_____
<input type="checkbox"/> 3-Wheel Lift Truck Protection	<input type="checkbox"/> Other_____
<input type="checkbox"/> Pit Steel (6 piece curb angle set)	<input type="checkbox"/> Other_____
<input type="checkbox"/> Pit Steel (4/angle,2/bumper)	

Certified for Construction

BY	
DATE	
COMPANY	
CITY & STATE	
VOLTAGE / PHASE	
DRAWING #	