

DM Series Mechanical Leveler

Specification Sheet & Submittal

30K - 50K
CIR

6' - 7'
WIDTH

6' - 10'
LENGTH



Standard Features

Four-sided, box construction - deck assembly	Lip Drive™ Positive Lip Extension
Multi-position, structural steel safety legs	Lockout/tagout maintenance strut
Below dock endloading control	Night locks/cross traffic support
Extended range, heavy-duty float/hold-down mechanism	Lip supporting service strut
Yieldable lip plate	Working-range toe guards
Cam Control™ Counter Balance Assembly	Two (2) B410-14 laminated bumpers
11-tooth, hold-down/float assembly	Designed and manufactured in the USA
CleanSweep™ frame	

General Description

All DLM Docks DM 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 DM 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. Special coating and colors are optional. Each DM 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 ¼" thick 4-way high strength, low alloy 50,000 minimum yield A572 steel safety treadplate. Platform is reinforced and supported by full-length roll formed "C" channels for 30,000 lb. CIR and supported by full-length structural "C" channels and/or "I" beams for 35,000, 40,000, 45,000, and 50,000 lb CIR capacity units. Front and rear header plate is of either ½" x 7" or ½" x 8" hot rolled steel. DLM Docks DM Series lips are made of 4-way safety treadplate, the 30,000, 35,000 and 40,000 lb Comparative Industry Rating (CIR) are 5/8" thick, and the 45,000 and 50,000 lb CIR are 3/4" thick. The standard lip length is 16" on all capacities. Hinge tubes are 1 3/4" OD x 5/16" wall, 1 7/8" x 3/8" wall, or 2 1/8" x 1/2" wall, depending upon CIR. All lip hinge pins are 1" M1044 steel. Steel lip gusset are standard on 50,000 lb CIR models. Steel header gussets are standard on all models 35,000 lb CIR and above. All platforms are designed to compensate for up to 4" of canted truck beds.

Operation

The DLM Docks DM Series Leveler is manually operated simply by pulling the release chain to raise the leveler and automatically extend the lip. The attendant walks the platform down onto the trailer bed. The standard lip is 16", with an operating range of 12" above and below dock level. The platform is designed to compensate for canted truck beds up to 4" and remain flush with the dock floor.

Warranty

All DLM Docks DM 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 nine (9) year pro-rated warranty. 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. Additional warranty extensions may be available upon approved submittal of application information.

Order Specifications

Dimensions and Capacities

Select a Model and a Capacity

MODEL		CIR
NOMINAL SIZE		(Comparative Industry Rating)
☐ DM-66	6' x 6'	☐ 30,000 CIR
☐ DM-68	6' x 8'	☐ 35,000 CIR
☐ DM-610	6' x 10'	☐ 40,000 CIR
☐ DM-656	6'6" x 6'	☐ 45,000 CIR
☐ DM-658	6'6" x 8'	☐ 50,000 CIR
☐ DM-6510	6'6" x 10'	
☐ DM-76	7' x 6'	
☐ DM-78	7' x 8'	
☐ DM-710	7' x 10'	

Required Information

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

Check Options Desired

Optional Equipment

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

Certified for Construction

BY	
DATE	
COMPANY	
CITY & STATE	