



ENGINEERED FOR SAFETY

MD SERIES

# MECHANICAL DOCK LEVELER

DEPENDABLE PERFORMANCE. SIMPLE MANUAL OPERATION.



## 35,000 AND 45,000 LB CAPACITIES

Built for demanding loading dock applications

### CONTROLLED MANUAL OPERATION

Pull the release chain to raise the counterbalanced deck and extend the hinged lip. The positive lip lock holds the lip in position while the operator walks the deck down to the trailer bed for loading or unloading.

### STANDARD MODEL RANGE

#### 6 FT WIDE

##### MD66

6 x 6 ft

##### MD68

6 x 8 ft

##### MD610

6 x 10 ft

#### 6.5 FT WIDE

##### MD6.56

6.5 x 6 ft

##### MD6.58

6.5 x 8 ft

#### 7 FT WIDE

##### MD76

7 x 6 ft

##### MD78

7 x 8 ft

##### MD710

7 x 10 ft

### COMMON OPTIONS

- Integrated vehicle restraint system
- Steel-face bumpers
- Full-range toe guards
- 18 or 20 in. lip
- Pour-in-place pan
- Rubber or brush weather seal
- Spray foam insulation



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# ENGINEERED DETAILS

Purpose-built systems for controlled operation, reliable holding and reduced operating force.

## STRUCTURE & CONSTRUCTION

### 10 PRECISION-FORMED C-BEAMS | 6 REAR SUPPORT POINTS

A central deck beam supports three-wheeled vehicles. The structural-channel tailboard and one-piece, full-width, compression-mounted rear hinge form a strong box section.

## BUILT-IN SAFETY

- Safety legs limit platform free fall
- Flush rear hinge reduces pinch points
- Maintenance stand supports deck and lip during service



### KEY COMPONENT 1

## RATCHET HOLD-DOWN

Precision-machined ratchet and pawl teeth provide consistent holding and reliable release. An internal float spring lets the deck follow trailer movement during loading and unloading, while oversized pulleys reduce release-chain pull force.



### KEY COMPONENT 2

## POSILOCK™ LIP LOCK

Pentalift's PosiLock™ mechanism keeps deployment under the dock attendant's control. It maintains lip extension while the platform is walked down, automatically retracts after the truck departs and yields if impacted while extended.



### KEY COMPONENT 3

## EFFICIENT LIFTING ASSEMBLY

Pentalift's cam profile and lifting-arm geometry reduce lifting force and walk-down weight. Lower operating forces reduce stress on the hold-down, while single-point spring adjustment remains accessible from the front of the leveler.

Consult a Pentalift sales representative for application-specific recommendations.