

# MANUAL ROTATOR/ TILTERS



## MRT411LDC MRT49DC MRT4HV11DC

With three frame configurations, 90° tilt and continuous 360° rotation, these Powr-Grip® vacuum lifters deliver maximum versatility and range of motion in the shop or at the construction site.

### Standard Pad Spread: MRT411LDC

- 28<sup>1</sup>/<sub>4</sub>" x 32<sup>3</sup>/<sub>4</sub>" [717 x 834 mm] (basic configuration)
- 48<sup>1</sup>/<sub>4</sub>" x 67<sup>1</sup>/<sub>2</sub>" [1227 x 1716 mm] (extended configuration)
- 78<sup>1</sup>/<sub>4</sub>" x 15<sup>3</sup>/<sub>4</sub>" [1988 x 402 mm] (linear configuration)

### Standard Pad Spread: MRT49DC

subtract 2<sup>3</sup>/<sub>4</sub>" [73 mm] from each dimension listed above

### Standard Pad Spread: MRT4HV11DC

subtract 1" [25 mm] from each dimension listed above

### Number / Size of Pads:

- MRT411LDC - 4 / 11" [28 cm] dia. lipped
- MRT49DC - 4 / 9" [23 cm] diameter
- MRT4HV11DC - 4 / 10" [25 cm] dia. lipped

### Load Capacity:

- MRT411LDC - 700 lbs [320 kg]
- MRT49DC - 500 lbs [225 kg]
- MRT4HV11DC - 600 lbs [270 kg]

(On smooth, nonporous surfaces.)

Please contact us for recommendations on other surfaces.)

### Average Unit Weight: 122 lbs. [56 kg]

### Standard Operating Power: 12 volts DC, 10 amps

**Load Movement:** Manual rotation, 360° edgewise, with locking at each quarter point.  
Manual tilt, 90° between upright and flat, with automatic latching in upright position.

### Low vacuum warning light

### On-board battery and charger

### Battery energy gauge

### Vacuum gauge

### Vacuum line filter

### Vacuum reserve tank

### Spring-mounted pads

### Movable pad mounts

### Extension arms



Shown with optional Dual Vacuum System

### AVAILABLE OPTIONS:

- Dual vacuum system (EO10DVS)
- Forklift adapter (LB7FAO)
- Adaptable length lift bar (LB6ALO)
- Long extension arms (CF5LEAO)
- Individual vacuum pad shutoffs (CM1COWB)
- Extensions for movable pad mounts (CM6MEVL)
- Closed cell foam vacuum pad rings (FRHV11)  
(Available on MRT4HV11 lifters only)
- Cladding pad frame extensions (CF13CEO)
- Alternative vacuum pad materials, including low-marking, temperature resistant and chemical resistant compounds
- Shipping case (see page 2 for more information)

### DESIGN STANDARDS:

(See [www.powrgrip.com](http://www.powrgrip.com) for more information.)

#### ASME B30.20

(BTH-1 Design Category "B", Service Class "0")

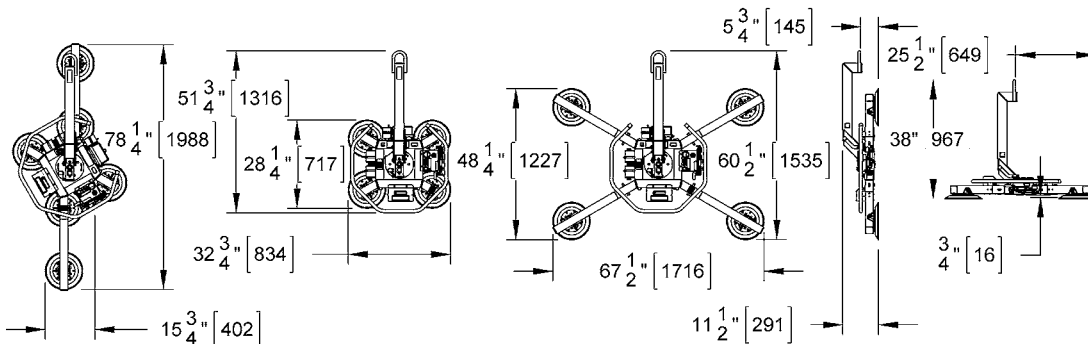
#### CE

#### AS 4991-2004

Linear Configuration

Basic Configuration

Extended Configuration



Environmental conditions can affect product performance and longevity; consult the product instructions on [www.powrgrip.com](http://www.powrgrip.com) or contact a Technical Sales Representative for more information. Based on product information at time of publication.

[WWW.POWRGRIP.COM](http://WWW.POWRGRIP.COM)



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Wood's Powr-Grip products are sold through authorized dealers.

Products are manufactured under an ISO 9001 quality management system

Rev. 3.5 / 01-11 Spec. Sheet 8-4



# MRT OPTIONS

## Adaptable Length Lift Bar (LB6ALO)

Designed for applications requiring increased horizontal reach at the hook point or applications involving minimal clearance between the lifter and the hoisting equipment, such as installations under eaves or similar handling situations.

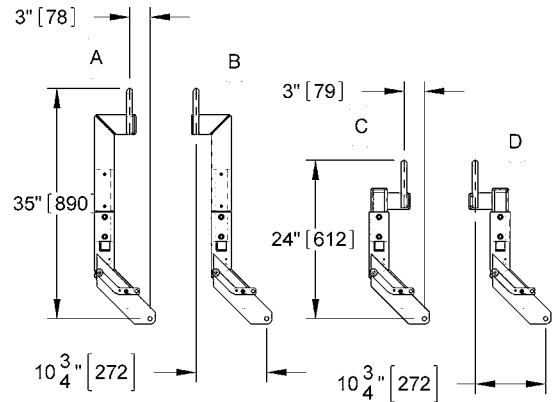
Overhead Clearance Reduction: 11-3/4" [298 mm] with Shortened Configurations (C or D)

Horizontal Reach Increase: 7-5/8" [193 mm] with Reversed Bail Configurations (B or D)

Maximum Load Capacity\*:

- A) Standard Configuration: 700 lbs [320 kg]
- B) Reversed Bail Configuration: 600 lbs [270 kg]
- C) Shortened Configuration: 650 lbs [295 kg]
- D) Shortened, Reversed Bail Configuration: 500 lbs [225 kg]

\*Net capacity cannot exceed standard lifter capacity.



## Forklift Adapter (LB7FAO)

Designed for applications where a forklift is desired, such as installations under eaves and commercial, indoor applications, where using a crane is not possible.

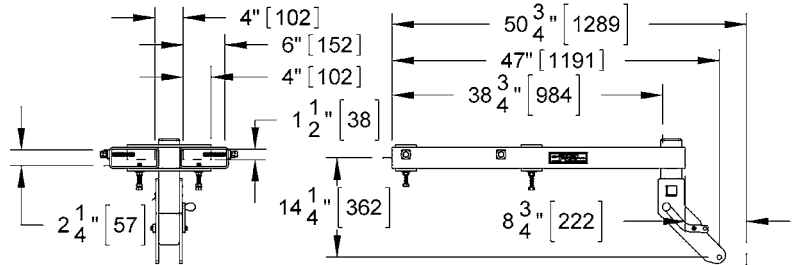
Compatible Fork Dimensions: 1-1/2" to 2-1/4" [38-57 mm] thick and 4" to 6" [102-152 mm] wide

Inside Fork Spread: 4" [102 mm]

Maximum Load Capacity: 700 lbs [320 kg] when used on MRT411LDC\*

Maximum Load Thickness: 1" [25 mm] at full capacity

\*The forklift must have sufficient capacity for the combined weight of the lifter and its maximum load when the load is located 8-3/4" [222 mm] outward from the fork tips or 50-3/4" [1289 mm] outward from the fork stops, whichever places the load at a greater distance from the forklift's front wheels.



## Long Extension Arms (CF5LEAO)

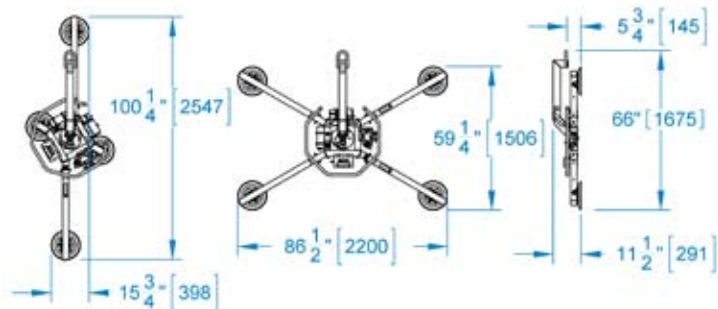
Designed for applications requiring a larger pad spread to reduce overhang on large loads.

Maximum Load Capacity: 500 lbs [225 kg] (with long arms installed)

Pad Spread Dimensions provided are for MRT49DC.

For MRT411LDC, add 2-3/4" [73 mm]

For MRT4HV11DC, add 1-3/4" [48 mm]



## Shipping Case for MRT/MRTA Vacuum Lifters

(vacuum lifter and case sold separately)

- Designed specifically for shipping and storing Powr-Grip® MRT4 and MRTA6 Vacuum Lifters.
- Made from 100% recycled HDPE plastic, features twin sheet, thermo-formed construction, making it very durable, as well as water-resistant.
- Special area to house extension arms for these lifters.
- Internal nylon straps to hold the lifter and extension arms firmly in place, preventing them from rattling around while in transit.
- Handles molded into the case enable convenient handling.
- Mounting points inside the lid of the case enable the hanging of up to 4 extra vacuum pads.
- Ribbed exterior of case enables easy stacking of multiple lifters.
- Wheels on one end make short distance movement of the lifter manageable by one individual.
- Grooves on the bottom of the case facilitate forklift handling.

