BM5 Series
Truck Service
MANUAL LOADING LEVELER 25,000, 30,000, 35,000 & 45,000 lb. CAPACITIES

ARCHITECTURAL SPECIFICATIONS

GENERAL
The BM Series pit mounted manual loading levelers are available in one top of the line heavy duty style. BM Series - Two movement with 16" hinged lip.

DESCRIPTION
Adjustable manual loading leveler with two move-ments: (1) Up, (2) down. Dock leveler to be ___ ft. long x ___ ft. wide with a static capacity of ___ lbs. Platform to be constructed of floor plate reinforced by C channel deck support beams. 16 in hinged flip lip to be activated mechanically when dock comes up. 24" Total vertical travel, 12" above floor level and 12" below floor level. Deck will compensate a maximum of 4" from side to side to service unlevel vehicles. Dock leveler is constructed of 55,000 lb. minimum yield steel tread plate. Dock leveler to be equipped with full operating range toe guards and a set of dock bumpers. Dock leveler to meet or exceed the performance requirements of C502-56, OSHA and ANSI MH14.1-1984.

DIMENSIONS
NOTE: The sizes below are nominal lengths.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CAP. (LBS.)</th>
<th>WIDTH</th>
<th>LENGTH</th>
<th>DEPTH</th>
<th>THICKNESS</th>
<th>THICKNESS</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM56625</td>
<td>25,000</td>
<td>72&quot;</td>
<td>6'</td>
<td>19&quot;</td>
<td>1/2&quot;</td>
<td>1/4&quot;</td>
<td>1,370</td>
</tr>
<tr>
<td>BM56625.5</td>
<td>25,000</td>
<td>72&quot;</td>
<td>6'</td>
<td>19&quot;</td>
<td>1/2&quot;</td>
<td>1/4&quot;</td>
<td>1,400</td>
</tr>
<tr>
<td>BM57625</td>
<td>25,000</td>
<td>72&quot;</td>
<td>6'</td>
<td>19&quot;</td>
<td>1/2&quot;</td>
<td>1/4&quot;</td>
<td>2,000</td>
</tr>
<tr>
<td>BM57625</td>
<td>30,000</td>
<td>72&quot;</td>
<td>6'</td>
<td>19&quot;</td>
<td>1/2&quot;</td>
<td>1/4&quot;</td>
<td>2,400</td>
</tr>
<tr>
<td>BM57625.5</td>
<td>30,000</td>
<td>72&quot;</td>
<td>6'</td>
<td>19&quot;</td>
<td>1/2&quot;</td>
<td>1/4&quot;</td>
<td>2,750</td>
</tr>
<tr>
<td>BM57645</td>
<td>35,000</td>
<td>72&quot;</td>
<td>10&quot;</td>
<td>24&quot;</td>
<td>1/2&quot;</td>
<td>1/4&quot;</td>
<td>2,400</td>
</tr>
<tr>
<td>BM57645</td>
<td>45,000</td>
<td>72&quot;</td>
<td>10&quot;</td>
<td>24&quot;</td>
<td>1/2&quot;</td>
<td>1/4&quot;</td>
<td>2,750</td>
</tr>
</tbody>
</table>

Additional capacities and 8" wide models available, consult factory.

SCOPE
The specification describes a manual operated, adjustable manual loading leveler, to be installed in a pit and/or affixed to loading platforms to and compensate for uneven heights between the truckbed and the dock.

OPERATION
The Beacon BM5 manual loading leveler is simple to operate and is activated by pull chain release, fully mechanical. Direct extension spring counter balance has no moving parts and is powered by exclusive direct extension spring method. The lip will extend automatically when the dock ramp is activated. Simply walk the unit down, the unit will rest on the truck bed. The yieldable lip allows the lip to close quietly, automatically and yield upon impact. To retract legs for below dock service, pull up on the chain assembly in front center of deck and walk the unit down to the level that is needed.

CONSTRUCTION
The capacities of the BMs are available in 25,000, 30,000, 35,000 & 45,000 lb. Structural C channel deck support beams are 100% welded to the back of the header plate; 6 each under 6' wide models and 8 each under 7' wide models. Deck shall be 1/4" on all models. Lip shall be 1/2" or 5/8" (see chart capacities). Lip Hinge and Deck assembly shall be seamless tubing with a cold roll 1045 steel rod. Deck and Lip shall be 55,000 minimum yield steel tread plate. Hydra Lip assist with 2 shock absorbers are standard. Grease fittings on lip hinges are standard. All levelers include fork entry slots and lifting holes in the side plates for ease of handling during shipping and installation.

SAFETY EQUIPMENT
RAMP SIDES: The sides of the ramp shall be provided with full range steel safety toe guards. The Beacon lip keepers are installed for your protection while in storage, at installation and for night security along with providing safe and secure cross traffic support. Dual safety legs provide protected below dock control points. A maintenance strut is provided with each leveler. Two"4" x 10" x 13" molded dock bumpers shall be supplied with each dock leveler.

OPTIONAL FEATURES
- Weather Seals
- 16" Above dock service range (10' models only)
- Below Dock Control (lip push out device)
- Base Frame Deep Pit Anchor Kit (4" channel for 23" deep pit) welded at factory.
- Foam insulation
- Abrasive Surface
- Self-forming pan with bottom (leveler welded in)
- EZ Pan (Self-forming) assembled at job site.
- Pit Curl Angle Kit
- Yellow & Black Diagonal Striping on Sides.

PAINT
Beacon Grey

OWNERS MANUAL
Owners Manual comes with each unit, including General Information, Pit preparation, Leveler preparation, Anchoring Instructions, Operating Instructions, Troubleshooting, Parts List.

WARRANTY
The BM Series comes with a Limited Warranty - 5 years on structural members, 4 years on main springs, 1 year on mechanical and miscellaneous parts.

Special Warranty Note: Beacon will match any other company’s warranty, just present to Beacon for written approval.
BEACON BM5 Series Mechanical Dock Leveler Pit Detail

**VARIABLE DIMENSIONS**

<table>
<thead>
<tr>
<th>MODEL SIZE</th>
<th>&quot;A&quot;</th>
<th>&quot;B&quot;</th>
<th>&quot;C&quot;</th>
<th>&quot;D&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>6'W x 6'L</td>
<td>74&quot;</td>
<td>63&quot;</td>
<td>19 1/2&quot;</td>
<td>20&quot;</td>
</tr>
<tr>
<td>6'W x 8'L</td>
<td>74&quot;</td>
<td>87&quot;</td>
<td>19 1/2&quot;</td>
<td>20&quot;</td>
</tr>
<tr>
<td>6'-6&quot;W x 6'L</td>
<td>80&quot;</td>
<td>63&quot;</td>
<td>19 1/2&quot;</td>
<td>20&quot;</td>
</tr>
<tr>
<td>6'-6&quot;W x 8'L</td>
<td>80&quot;</td>
<td>87&quot;</td>
<td>19 1/2&quot;</td>
<td>20&quot;</td>
</tr>
<tr>
<td>7'W x 6'L</td>
<td>85&quot;</td>
<td>63&quot;</td>
<td>19 1/2&quot;</td>
<td>20&quot;</td>
</tr>
<tr>
<td>7'W x 8'L</td>
<td>85&quot;</td>
<td>87&quot;</td>
<td>19 1/2&quot;</td>
<td>20&quot;</td>
</tr>
<tr>
<td>6'W x 10'L</td>
<td>74&quot;</td>
<td>111&quot;</td>
<td>23 1/2&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>6'-6&quot;W x 10'L</td>
<td>80&quot;</td>
<td>111&quot;</td>
<td>23 1/2&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>7'W x 10'L</td>
<td>85&quot;</td>
<td>111&quot;</td>
<td>23 1/2&quot;</td>
<td>24&quot;</td>
</tr>
</tbody>
</table>

INSERT SPECIFIC JOB DIMENSIONS FROM CHART

**NOT TO SCALE**

**NOTES**

**JOB**

**TOLERANCES:**
- Inch Dimension = $\pm\frac{1}{16}$
- Decimal Dimension = $\pm0.005$
- Angles = $\pm1°$