Mooring Buoy Installation Instructions

General Information
The following installation instructions are intended to be a general guide for installing ACE Mooring Buoy systems. The specific method of installation you utilize should be confirmed with local conditions (tidal variations, water depth, prevailing wind effects, bottom soil type, etc.) and/or regulatory agencies. The purpose of the buoy system is to provide sufficient buoyancy to support the line to which the watercraft will be anchored.

Diagram A: Fixed Mooring Hardware Installation

Fixed Mooring Hardware Kit
(Reference Diagram A)

This hardware kit captures the buoy on both ends and provides a swivel at the bottom for attachment of the anchor line. A loop is provided at the top for handling the buoy and storage of the watercraft pendant line on the buoy. Never anchor the watercraft directly to this loop. Watercraft must be anchored below the buoy and directly to the anchor line.

Diagram B: Pass-Through Mooring Hardware Installation

Pass-Through Mooring Hardware Kit
(Reference Diagram B)

This hardware kit passes through the buoy center tube. The anchor line is attached directly to the line shackle. A bearing plate under the shackle prevents the shackle from passing through the buoy tube. The pendant line to the watercraft is fastened directly to the shackle.
Buoy Size and Selection

The proper size buoy should be selected according to the buoyancy required to support the anchor line and allow the upper half of the buoy, including the reflective tape, to be above the water line. Select the buoy that will provide the floatation required to support the anchor line weight.

<table>
<thead>
<tr>
<th>Buoy Size</th>
<th>Item No.</th>
<th>Buoyancy</th>
<th>Fixed Hardware</th>
<th>Pass-Through Hardware</th>
</tr>
</thead>
<tbody>
<tr>
<td>12”</td>
<td>FFMB-1212</td>
<td>12.5 lbs</td>
<td>FFMB-12F</td>
<td>FFMB-P</td>
</tr>
<tr>
<td>18”</td>
<td>FFMB-1818</td>
<td>51 lbs</td>
<td>FFMB-18F</td>
<td>FFMB-P</td>
</tr>
<tr>
<td>24”</td>
<td>FFMB-2424</td>
<td>124 lbs</td>
<td>FFMB-24F</td>
<td>Not Available</td>
</tr>
<tr>
<td>32”</td>
<td>FFMB-3232</td>
<td>270 lbs</td>
<td>FFMB-32F</td>
<td>Not Available</td>
</tr>
<tr>
<td>32”</td>
<td>FFMB-3232RND</td>
<td>278 lbs</td>
<td>FFMB-32FRND</td>
<td>Not Available</td>
</tr>
<tr>
<td>38”</td>
<td>FFMB-3838</td>
<td>547 lbs</td>
<td>FFMB-38F</td>
<td>Not Available</td>
</tr>
<tr>
<td>38”</td>
<td>FFMB-3838RND</td>
<td>556 lbs</td>
<td>FFMB-38FRND</td>
<td>Not Available</td>
</tr>
<tr>
<td>42”</td>
<td>FFMB-4242</td>
<td>630 lbs</td>
<td>FFMB-42F</td>
<td>Not Available</td>
</tr>
<tr>
<td>42”</td>
<td>FFMB-4242RND</td>
<td>640 lbs</td>
<td>FFMB-42FRND</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

Anchor Line

Selection of the proper anchor line or chain should be based upon the tensile strength rating of the line or chain required to hold the moored watercraft to the anchor. Avoid an oversized line or chain as this will result in an oversized buoy. Most watercraft will specify the required anchor line size for mooring anchors. The length of the anchor chain will depend upon the mooring location and proximity to other watercraft. Generally, the following guidelines will usually apply:

- Inland Lakes – length required will be 1-1/4 times the nominal water depth.
- Inland Rivers – length required will be 2 times the nominal water depth.
- Coastal or tidal waters – length required will be 2-1/2 times the nominal water depth.

Inspection and Maintenance

It is important that the mooring system installed be thoroughly inspected on a regular basis and according to local regulations. Failure to do so may result in the failure of the mooring system and loss of the watercraft.

Warranty

The Den Hartog Mooring Buoy’s have a warranty of 36 months. To view the complete warranty in its entirety please reference warranty document, “Limited Warranty Marine Cushions, Buoy’s, or Ace Dock Accessories” (WIR7.5-58) at www.acedockaccessories.com.

Buoy Identification Options

Graphics and logo options are available through Ace Dock Accessories. Contact 888-223-6260 for more information.

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