

OPERATIONS MANUAL

***BULKHEAD RISER & TRACK SYSTEM
INSTALLATION INSTRUCTIONS***

by

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BULKHEAD RISER & TRACK SYSTEM INSTALLATION INSTRUCTIONS

1. BULKHEAD RISER TRACKS

Step 1: Determine that :

- a) the location selected for the riser track is structurally sound
- b) whether it is concrete, stone, wood, or steel
- c) if the location is in fact vertical, plumb, and has an even flat surface.

If any of these 3 conditions described are not met, steps must be taken to correct the situation, i.e. patch concrete voids, place shims behind track.

Step 2: Remove red painted shipping braces and reinstall the nuts over the track assembly. Note: This is applicable for all types of flex tracks only.

Step 3: Attach a crane, winch, or other lifting device to the hole located on the top of the track assembly. Hang the track assembly in position, adjust the elevation as required assuring that it is vertical and plumb. Fasten the track to the wall by:

- **On Concrete:**

Drill holes for wedge anchors, using the track as a drilling template. Install wedge anchors as per manufacturer's instructions.

- **On Wood:**

Drill holes for lag bolts using the track as a drilling template. Install lag bolts.

- **On Steel:**

Weld the track in place.

Step 4: Caulk along sides of mounting plate and bulkhead to prevent any oil leakage.

Step 5: Remove lifting device from the hole at the top of the track.

****** CAUTION :** *If the area is susceptible to extreme high water, we recommend inserting a shackle or bolt (not provided) through the lifting eye at the top of the track to act as a bulkhead riser stopper.*

2. BULKHEAD RISER ON TO IT'S TRACK

Step 1: Remove shackle or bolt (if required) from top of track

Step 2: Slide Bulkhead Riser down into track assuring that its top is up (lifting hole on upper casting defines the top of the riser). Compress the neoprene seal forward away from the face of track to prevent it from hanging up on the top edge of the track.

Step 3: Reinstall the shackle or bolt (if required) through the top of the track, as this shackle / bolt serves as a travel limiter.

3. BOOM CONNECTION PROCEDURES

For Permanent Booms:

Step 1: Remove the 3/8 stainless steel bolts and nuts and save them for step #2.

Step 2: Attach ASTM connectors to each other by engaging the hooks - slightly pull back on hooks and install one toggle pin on the upper hole, insert the 2nd toggle pin in the lowest hole. Insert and tighten the 3/8 stainless steel bolt/nut in the middle hole.

For Temporary Booms:

Step 1: Repeat the above procedure eliminating the steps involving the 3/8 permanent type stainless steel bolt & nut (there are no 3/8 bolts & nuts in the temporary booms).

For Connecting Booms to Bulkhead Riser:

Step 1: Follow installation instructions for "BULKHEAD RISER ON TO IT'S TRACK".

Step 2: Follow "BOOM CONNECTION PROCEDURES".