

Lifting Crane Kit

Thank you for purchasing the lifting crane kit.

The lifting crane is designed to lift 200 pounds or more depending on the strength of supporting stern rails on your boat. The crane arm can be easily lowered and stored against the pole.

Parts included in the kit

| Qty | Description |
|-----|-------------|
|-----|-------------|

Lifting Crane Assembly

- | | |
|---|----------------------------------|
| 1 | Lifting crane arm |
| 1 | Crane arm support line |
| 1 | Eye Bolt |
| 1 | 2" 1/4-20 Bolt, washer, lock nut |
| 1 | Double block with becket |
| 1 | Double block |
| 1 | Lifting line (50 ft.) |
| 1 | Cleat |
| 2 | 2" hose clamps |

Pole Assembly

- | | |
|---|-----------------------------------|
| 1 | 1.5" X 66" pole |
| 2 | 1" (or 7/8") Stern rail jaw clamp |
| 2 | Pole sleeve |
| 1 | Pole swivel base (ball) |
| 1 | Pole base insert |



Lifting Crane Kit Assembly Instructions

Instructions – Lifting Crane Assembly

Refer to Diagram 3

1. Attach crane arm to the pole using a 2" ¼-20 bolt and third hole from end of pole.
2. Attach eye bolt in second hole from end of pole.
3. Attach crane arm support line to the eye bolt.
4. Tie a loop in the line using a bowline in a position such that the crane arm is perpendicular to the pole.
5. Insert the line in the slot in the crane arm.
6. Attach the block and tackle to the loop. Attach the hook to the lower block.
7. Attach the cleat below the point where the crane arm lies against the pole using the two hose clamps run through the hole in the cleat. Loop a short light line through the hole in the cleat. This line can be used to secure the block and tackle when the arm is down by attaching the hook to the light line..

Instructions – Solar Pole Assembly

Refer to Diagram 3

1. Determine where the pole will be mounted relative to the stern rail(s) by sighting down from above the stern rails. Determine where the pole will set on the deck or transom.
2. Attach the stern rail clamps to the stern rails. Do not tighten.
3. Attach the pole sleeves to the stern rail clamps. **Note that each pole sleeve can be mounted in one of three positions depending on the desired distance from the pole to the stern rail.**
4. Insert the plastic pole base insert into the bottom of the pole (pole base may be pre-installed).
5. Slide the pole into the pole sleeves and set the pole on the ball swivel base.
6. Adjust the position of the sleeves and clamps such that the pole rotates freely and is vertical.
7. Tighten the stern rail clamps and the pole sleeves. Readjust position of clamps and sleeves as necessary to minimize any binding between the sleeves and the pole. Retighten
8. Attach the ball swivel base to the deck or transom using three screws or VHB double sided tape.

Pole and Crane Arm Assembly

Diagram 3

