

Kayak Pulley Storage Hoist System

The following instruction details how to install a pulley-based kayak storage and hoist system using items found at most local hardware stores for less than \$35

- **Materials List**

1. (4) 30lb Rope Pulleys
2. (2) Locking Carabiners
3. (3) General use carabiners
4. (4) 1/4 20 nut bolt and washer setups (nut, 2" bolt, 2 washers, lock washer)
5. 30-50' length 1/4" diameter nylon rope
6. Dock Cleat
7. Eye Bolt

- **Tools**

1. Drill with 1/4 wood bit
2. 7/16" socket / wrench
3. Drill with phillips bit
4. Ladder
5. Measuring Tape
6. Scissors or utility knife

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- **Steps**

1. Use the diagram #1 on page 2 to measure and mark the placement of the 3 rope pulleys and the placement of the eye bolt
2. Use the drill with .250" wood bit to drill through the ceiling joists
3. Attach the rope pulleys and eye bolt using the wrenches
4. Use the diagram #1 on page 2 to thread the rope through the pulleys. You will add the free floating pulley after threading the 1st pulley, then thread the remaining.
5. Use diagram #2 to connect the two locking carabiners to the rope and pulley.
6. Cut a 12-24" piece of rope and connect 2 general use carabiners using the improved clinch knot
7. Connect the final general use carabiner to the front locking pulley.
8. Use the drill with phillips bit to install the dock cleat as shown in diagram #2
9. Connect the general use carabiners to the handles of the kayak.
10. Pull on the rope, gradually assisting the kayak until it is fully lifted to the ceiling as shown in diagram #3
11. Attach the rope to the dock cleat using a zig-zag wrap around pattern.
12. Cut excess rope being careful to leave enough so that the kayak will reach the ground

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Diagram #1

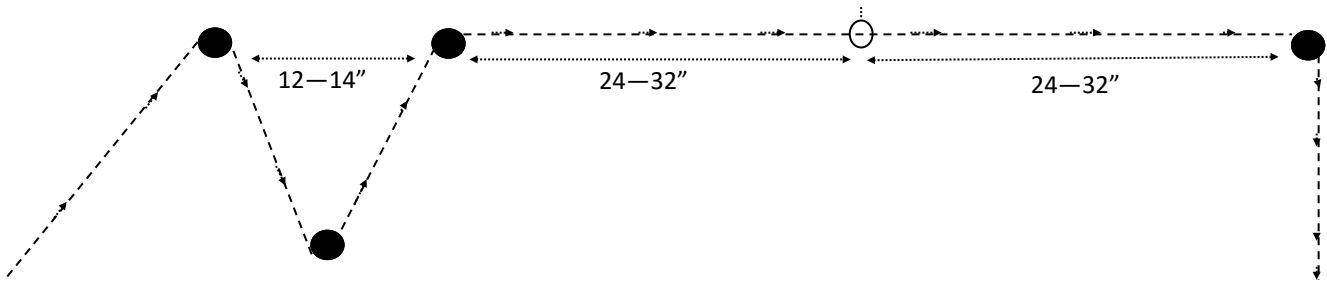
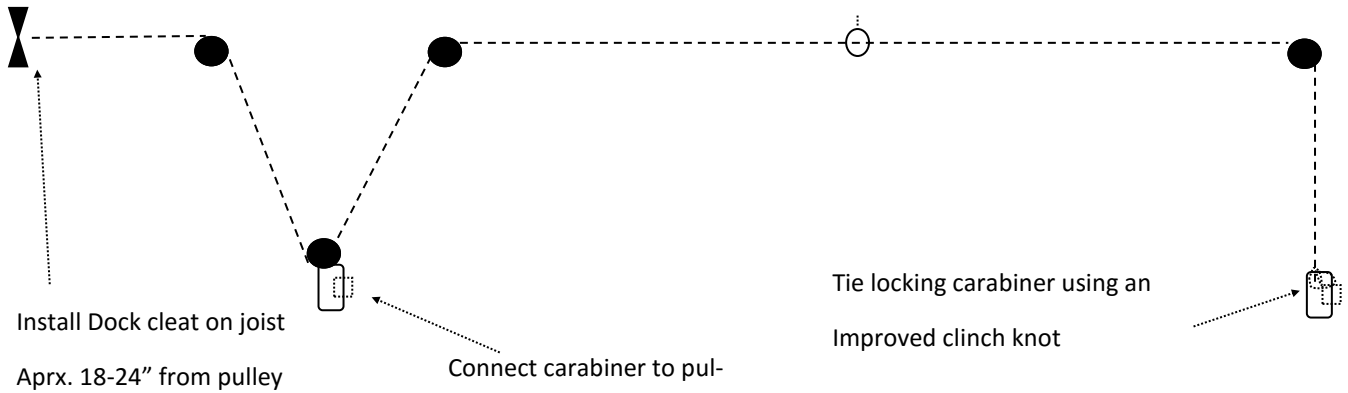


Diagram #2



Connect 12" rope to general use

Carabiners with improved clinch knots

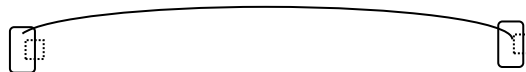


Diagram #3

