

# Alpha

aviation, inc.

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1500 East Main Street  
Owatonna, Minnesota 55060

## **BOX "E" - MODEL #375 STANDARD TAILWEIGHT / STAND**

### **THIS BOX CONTAINS THE FOLLOWING:**

1 Tub	1 13" Extension Post
4 3" Casters	16 5/16 x 18 x 1" Carriage Bolts
1 Base Post ("T")	16 5/16 Lock Washers
1 Top Post (thinner tube)	32 5/16 x 18 Jam Nuts
3 Wire Lock Pins	



Thank you for purchasing the Alpha Tail Stand/Tail Weight. We have designed this product to function both as a tail stand and tail weight, allowing the purchaser to determine the final weight needed. The tail post is telescoping and has a standard low height of 17.5" and a raised height of 26". An additional 13" extension is include for a total height of 39". 24" extensions are also available.

### **ASSEMBLY**

**Step 1:** Install the four wheels on the bottom of the tub using the 5/16 carriage bolts, lock washers & jam nuts. Refer to the hardware configuration shown below.

**Step 2:** Seal the top of the "T" shaped Base Post with tape to keep it clear of concrete.

**Step 3:** Partially fill the tub with concrete and insert the tail post into the concrete, insuring the cross tube is near the bottom and filled with concrete. This can be done by rocking it back and forth as you are submerging it.

**Step 4:** Fill the tub with concrete to the desired level, center the tail post. **LET IT CURE.**

**Step 5:** Install the top post and the extension post (as needed) using the supplied wire lock pins.

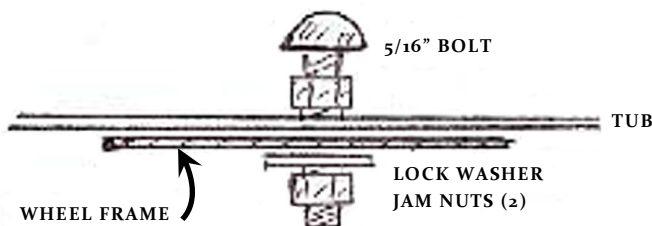
If you are using a form of Sackcrete or Quickcrete, you will need 6 quantity 50 lb. bags. The Sackrete or Quickcrete can be mixed right in the tub, using caution that the concrete is completely mixed and that the tail post remains at full depth. Sackcrete or Quickcrete is available at most home supply stores such as Lowes, Menards, Home Depot, etc.

### **CAUTION**

Be sure that the finished unit has sufficient weight to keep the aircraft from pitching forward on the jacks if the center of gravity is shifted during work operations.

With the aircraft on jacks, and the landing gear down, the adequacy of the weight can be determined by attempting to lift the tail weight by pulling down on the propeller, OR by having a second person enter the aircraft and force the center of gravity forward.

If additional weight is needed, sand bags or other suitable items can be placed on top of the tub.



11/23/22

## **PRODUCT WARRANTY**

Each aircraft jack and tail weight produced and sold by Alpha Aviation Inc. (AAI) is unconditionally warranted against defects in material and workmanship for a period of one year, from the date of purchase.

Items which are found to be defective will be either repaired or replaced at the discretion of Alpha Aviation Inc.

All items returned to AAI for any reason should be shipped freight prepaid. All items repaired or replaced will be returned to the customer by AAI, freight pre-paid.

## **SATISFACTION GUARANTEE**

Alpha Aviation Inc. is dedicated to producing products, which meet or exceed the customer's expectations. Therefore, each and every product is sold on a 30-day satisfaction guaranteed basis. Should a product not meet the customer's expectation or application, a full refund of the purchase price will be made upon the return of the product in resalable condition.

All products returned under the terms of this satisfaction guarantee must be returned freight pre-paid.

## **ACKNOWLEDGEMENTS AND DISCLAIMERS**

### **DANGEROUS ACTIVITY ACKNOWLEDGEMENT**

THE PURCHASER ACKNOWLEDGES THAT HE OR SHE IS AWARE THAT ACTIVITIES THAT INVOLVE THE JACKING, RAISING OR SUPPORTING OF AIRCRAFT ARE INHERENTLY DANGEROUS ACTIVITIES, AND THAT SUCH ACTIVITIES CAN RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND DEATH.

### **DAMAGE AND INJURY DISCLAIMER**

Alpha Aviation Inc. disclaims responsibility for any and all injuries or damage, which may result from the use of its products. This disclaimer includes damages and injuries that are either a direct result or consequential to the use of the product.

### **PRODUCT APPLICATION ACKNOWLEDGEMENT**

The purchaser acknowledges that; the products provided by Alpha Aviation Inc. are furnished with no warranty as to application or suitability for any specific purpose.

The purchaser further acknowledges that; Alpha Aviation Inc listing of applications is offered as a guide and the final decision as to the suitability of any product for a specific task is the sole responsibility of the user.

The purchaser further acknowledges; that Alpha Aviation Inc. has no control over the products location, use or the expertise of the person using the product.