

BOX "E2" - MODEL #535 PORTABLE TAIL WEIGHT / STAND

THIS BOX CONTAINS THE FOLLOWING:

1 Base Tray	16 1/4" x 20 x 3/4" Carriage Bolts
4 3" Casters	16 1/4" Plain Washers
1 Base Post	16 1/4" x 20 Locking Nut
1 Top Post (thinner tube)	4 3/8" x 16 x 1 Bolts
1 13" Extension Post	4 3/8" x 16 Nuts
1 3/8" Quick Chain Link	4 3/8" Lock Washers
3 Wire Lock Pins	



Thank you for purchasing the Alpha Model #535 Portable Tail Weight / Tail Stand.

We have designed this product to allow its use as an easily relocatable tail stand/tail weight with the user adding and removing weight as needed.

The tail post is telescoping and has a standard low height of 20.5" and a maximum raised height of 31.5". An additional 13" extension is furnished for a total available height of 44.5". 24" extensions are available.

ASSEMBLY

Step 1: Install the four wheels on the bottom of the Base Tray using the 1/4" carriage bolts, flat washer and lock nuts. Refer to the hardware configuration shown below.

Step 2: Install the Base Post on the Base Tray using the 3/8" bolts, lock washers & nuts in the same jam nut configuration as shown below.

Step 3: Install the top post and the extension post (as needed) using the supplied wire lock pins.

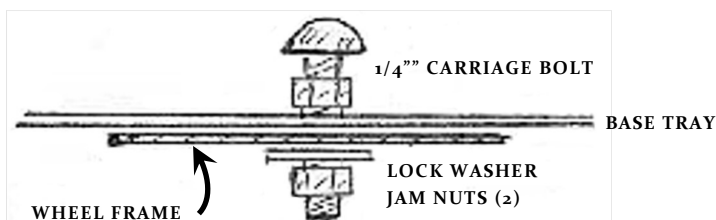
Step 4: Add blocks as needed to achieve the appropriate weight. Refer to the table on page 2.

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. Insure that the aircraft will remain stable as the gear is cycled and/or personnel move about, in, and on the aircraft.

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.

Please Note: The center post is not to be used as a handle to move the tail weight. A pulling ring has been provided for the purpose of moving the tail weight by use of a tow bar, chain, rope, or other appropriate



BOX “E2” - Cont’d (Model #535 Portable Tail Weight / Stand)

This product was designed to utilize solid concrete building blocks. The blocks were chosen for their high weight density, ease of transportation, and availability. Other items may be used at the user’s discretion.

When loading, please consider the following suggestion.

- The Model #535 Tail Weight/Tail Stand will support a maximum load of 480 pounds of concrete blocks yielding a gross weight of approximately 532 pounds, which is well above the weight required for the majority of general aviation aircraft.
- It is further suggested that the user refer to the manufacturer’s maintenance manual to determine their required weight and load according.
- For ease of use we suggest that an initial load of 292 pounds (50% capacity) be loaded with additional weight being added when needed.

WEIGHT TABLE – Verify the weight of purchased (solid concrete) blocks

Size	Dimensions	Weight /Block	Qty	Fully Loaded Wt
Full Block	8”x8”x16”	60 lbs	4	292 lbs
Full Block	8”x8”x16”	60 lbs	8	532 lbs
Half Block	4”x8”x16”	30 lbs	8	292 lbs
Half Block	4”x8”x16”	30 lbs	16	532 lbs
Quarter Block	2”x8”x16”	15 lbs	16	292 lbs
Quarter Block	2”x8”x16”	15 lbs	32	532 lbs



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.