Additional weight cartridge systems can be purchased on our website.

https://www.locprecision.com/product/rnws-weight-cartridge

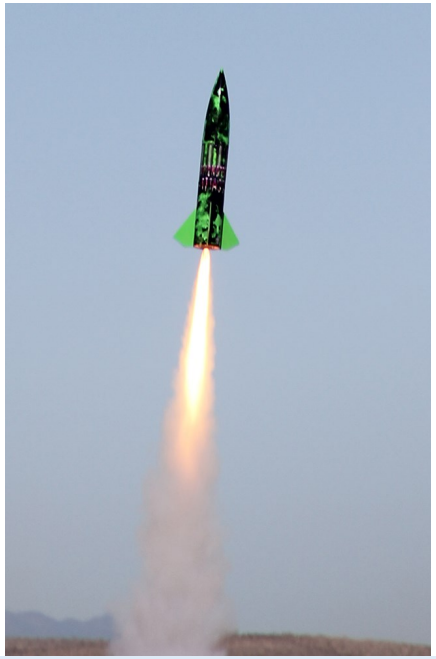
***When using RNWS please ensure your airframe is reinforced to prevent zippering! ***

Get more construction ideas here!

https://locprecision.com/construction/

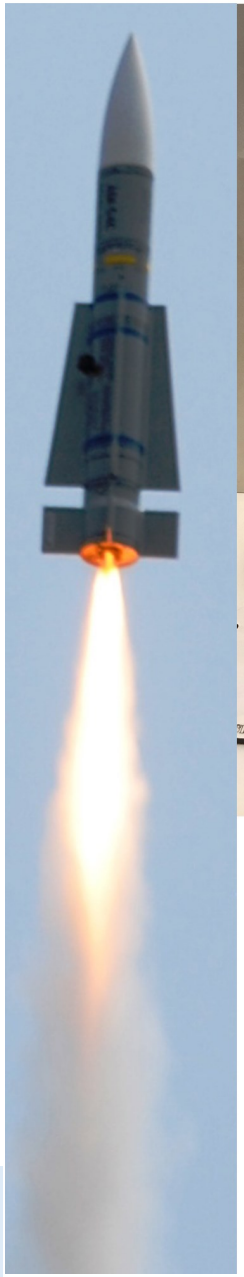
Eric Cayemberg MEGA MAGG

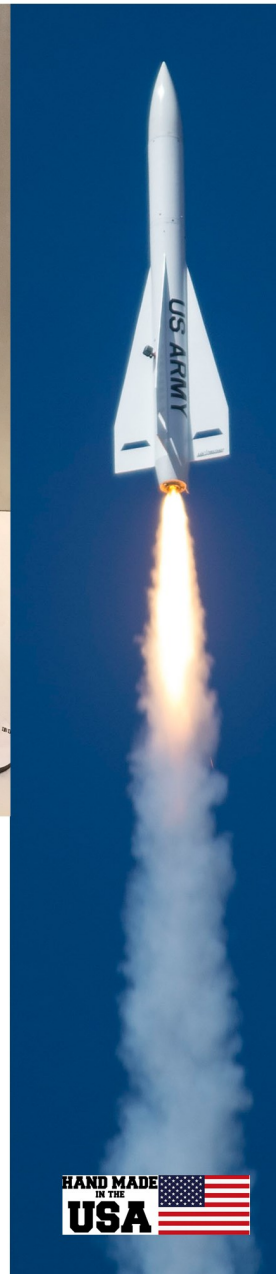
Mark Hayes MEGA MAGG



Since Yank Aeronautics LLC dba LOC PRECISION cannot control the use of it's products once sold, the buyer assumes all risks and liabilities there from, and accepts and uses LOC Precision products on these conditions.

LOC 3.0 PRECISION™
ADVANCED ROCKETRY KITS AND COMPONENTS





RNWS

Removable Nose Weight System

4" / 5.5" / 7.5" Nose Cones

LOC 3.0 PRECISION™
ADVANCED ROCKETRY KITS AND COMPONENTS

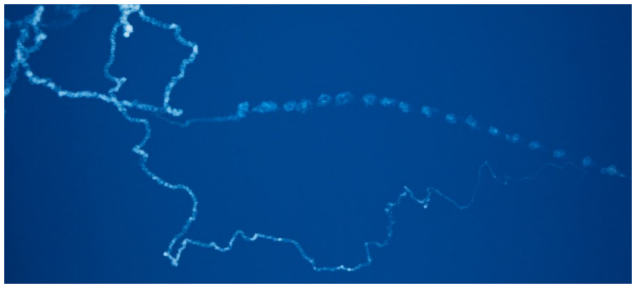
435A Factory Street . Plymouth, WI 53073
920.892.0557
LOCPrecision.com

HAND MADE IN THE USA

LOC RNWS

Bring the Center of Gravity (CG) forward to make inherently unstable rockets…..Stable!

-Nose Cone
-Main Tube
-1 Cartridge Coupler Tube
-1 Spacer Coupler Tube
-Shoulder Ring
-Retainer Ring
-Bulkheads
-Hardware



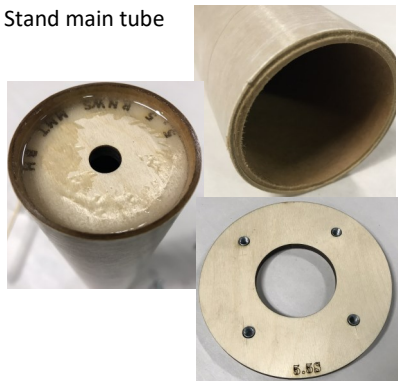
Before beginning construction, read over instructions to become familiar with the proper construction steps. **TEST FIT ALL PARTS!** Light sanding may be necessary to obtain proper fit.

STEP 1

With soapy water rinse/scrub the interior of the nose cone to remove mold release agents.

STEP 2

Insert couplers into main tube. Make them flush at one end. Stand main tube on end. Insert MMT BH and make a mark. Remove couplers.



STEP 3

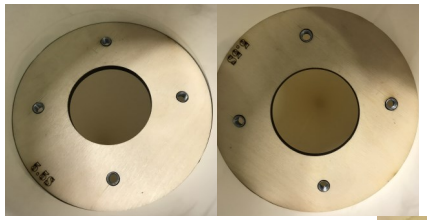
Epoxy MMT BH to main tube. Allow to cure.
4" version does NOT have bulkhead stopper. The weight cartridge simply goes flush to FWD of cone ID.

STEP 4

Press/hammer t nuts into the holes in the shoulder ring. Epoxy the aft of the t nuts to secure them to the ring.

STEP 5

Rough sand inside the cone where the main tube will meet the plastic.



STEP 6

Insert the shoulder ring into the cone. Pull back the ring until it snaps and meets the cone shoulder. Epoxy fillet the shoulder ring to the cone. **DO NOT** get any epoxy in the t nuts! Allow to cure.

STEP 7

With the cone horizontal, tip up slightly and pour epoxy through the cone shoulder hole and rotate. We want to keep the epoxy in the middle of the cone. Insert main tube into the cone shoulder ring and push far forward toward the tip of the cone. Stand cone up and rotate so the epoxy runs down bonding the main tube to the cone. Stand cone aft up and allow to cure.

STEP 8

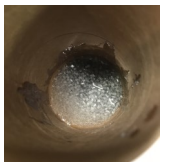
Epoxy fillet the main tube to the shoulder ring. **DO NOT** get any epoxy in the t nuts!

STEP 9

The longer coupler will be the weight cartridge. Recess the CT BH bulkhead 1/8" or more and epoxy in place.

STEP 10

Simulate your rocket to figure out how much nose weight is appropriate to achieve a safe, stable flight. Choose a heavy material to use as ballast. Weigh/measure the appropriate amount and mix thoroughly with epoxy and pour into weight cartridge. Allow to cure.

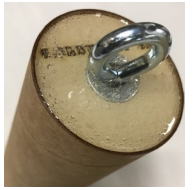


STEP 11

If you have a void area in the weight cartridge you can fill the gap with a compressed newspaper type of material. This will allow the eye bolt bulkhead to be secured closer to the end. Install the eye bolt in the CT BH with the 1/4" hole in the center. Epoxy nut in place. Allow to cure.

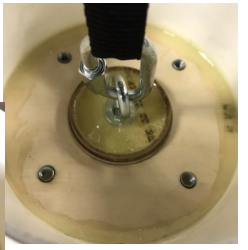
STEP 12

Epoxy eye bolt bulkhead in weight cartridge. Slather epoxy in the coupler, install bulkhead and epoxy on top. This is a very important attachment point that will hold the cones weight upon ejection. Don't be shy! Allow to cure.



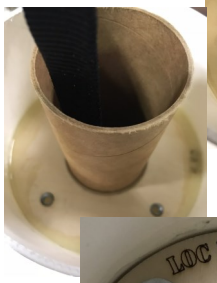
STEP 13

Install a quick link or loop/tie your shock cord to the eye bolt. Slide weight cartridge into main tube.



STEP 14

Next install the spacer coupler.



STEP 15

Install retainer ring passing the shock cord through the center hole. Tighten bolts with washers to the t nuts.
DONE!