



## 37mm Build Instructions

**\*YOU ARE RESPONSIBLE FOR KNOWING THE LAWS IN YOUR LOCAL AREA\***

HERE ARE THE GUIDELINES:

NO ANTI-PERSONNEL ROUNDS IN AN UNREGISTERED LAUNCHER – THIS INCLUDES LESS LETHAL AND CHALK MARKER ROUNDS

HOME MADE PYROTECHNIC ROUNDS ARE LIMITED TO .25oz (109 GRAINS) OF POWDER INCLUDING THE LIFT CHARGE

Build the projectile:

1. Insert a paper plug into the projectile body leaving a  $\frac{1}{2}$ " space at the end. The 2" long insert tool can be used to push the plug from back to front, this technique gives more surface area for the glue.



2. Fill the  $\frac{1}{2}$ " space with hot glue. This should be flush with the end.



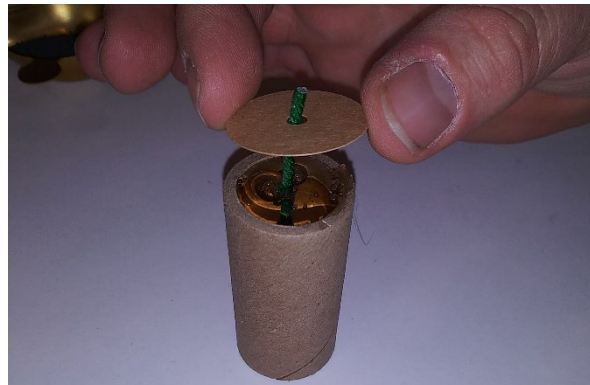
3. Insert the supplied piece of fuse in the open end of tube.
4. If building a firework round, cut the effect fuse to pieces between  $\frac{1}{2}$  and  $\frac{3}{4}$ " long on a 45° angle. Add them to the tube leaving a minimum of  $\frac{3}{4}$ " space at the back of the tube. (for bird control rounds skip to 5)



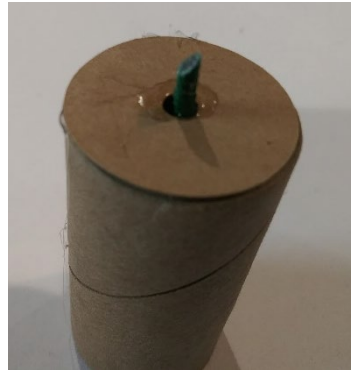
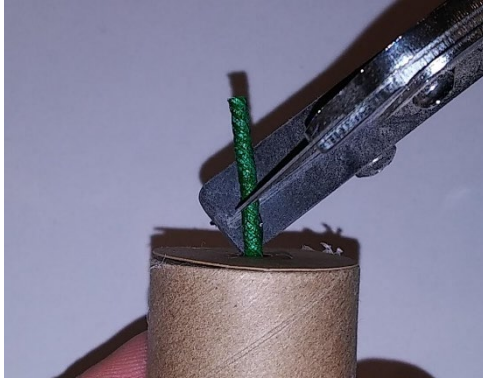
5. Add the powder charge. Shake gently to distribute the powder around the pieces of fuse.
6. Using a nail, punch or other pointed tool, make a hole centered in a paper plug large enough to fit the fuse.



7. Insert the paper plug over the fuse until it touches the powder charge. DO NOT PUSH HARD OR HAMMER.
8. Fill the space around the fuse with hot glue until it is flush with the end of the tube.
9. Place the paper disc over the end while the glue is still melted.



10. After the round is cool, trim the fuse to a length of ¼” at a 45° angle.



### Load the Hull:

It is recommended this be done close to the time of use.

1. Double wrap a rubber band around a projectile near the fuse end.
2. Insert a 209 primer into a Hull. Seat it by pressing down on a clean, flat surface.
3. Add the lifting charge to the Hull. A gentle horizontal shake with the hull facing up will settle the powder into the pocket.
4. Insert the projectile into the hull.

MAX lift charge table:

FFFg black powder	55.5 grains
FFg black powder	55 grains
Pyrodex P	41.8 grains
Pyrodex RS	37.6 grains