

## Killer Lemon™ Naval Gunnery Target Balloons Information and Instructions



Killer Lemon™ Naval Gunnery Target balloon

**Killer Lemon™** is a small adrift target (NavTGT) designed to blow and tumble across the wave surface, primarily for small guns target practice or air-to-surface gunnery practice.

This target is NOT Radar reflecting and is intended for visual use only. Intended to be used in multiples, a bunch, together at the same time.

It is air inflated, bright **YELLOW**, 1.5 meter<sup>3</sup> (5x5x5 feet) in size. Target is intended to have some water put inside to weigh down the target and slow its tumble. Amount of water depends on how slow you want it to blow and tumble; this also varies with sea state. Made with 12 mil PVC, with a lightweight carabiner for attachment of fifty (50) foot handling line included.

Also available as **Killer Orange™** in bright **ORANGE** color.

NavTGT may also be used as a surface anchor holding a line for a helium filled air target (see *Bogie Blimp™*). Also compatible for use with optional LASER reflective tape materials, IR and Red/White waterproof strobe lights.

NavTGT individually packed in a 60 x 6 x 6 inch shipping box (19 Lbs), includes:

- Killer Lemon™ (or Killer Orange™) NavTGT,
- 50' buoyant polypropylene handling line with 6-inch float

### Accessories (not included):

Leaf blower (such as shown, figure 1),  
Laser Tape Kit,  
IR or Red/White waterproof strobe lights,  
Bogie Blimp™ helium filled air target.



Inflate NavTGT using any Leaf blower, HVAC vent, engine exhaust, or fan port.

Figure 1

## Instructions:

1. Select deck with an area about 10 foot square where there are no sharp objects and where the target can be tied down after inflation (figure 2).

2. Pull or Cut tape for Opening End Cap, pull out cap. Remove the NavTGT from its shipping tube. Slide NavTGT out of tube onto deck. Secure float end of Handling Line. Unroll and unfold NavTGT with Inflation Cap at edge (Handling line is attached next to Cap).

3. Open Cap (ensure gasket stays in cap). Insert blower, begin inflation. (figure 3) Internal chute restricts back flow during inflation.

4. As balloon inflates, pull sides of NavTGT into shape. Do NOT over inflate. Balloon should be soft to the touch. Pour sufficient water into target via inflation nozzle to provide desired ballast during use. Experiment to determine amount of water to use. Without any water ballast, target will roll and blow away very fast.

**Warning: Over inflation will damage the target balloon.**

5. Disconnect air source, screw down Inflation Cap tight (figure 4). A correctly filled balloon measures about 5.5ft side to side & high.

6. When inflated and ready to use, pickup and launch over the side (figure 5).

## Additional instructions

To launch a group, bunch or "gang" of *Killer Lemon™* target balloons simultaneously, inflate and launch each target individually over the side, but with an additional separate line looped through the carabiners. String this line through each additional target's carabiner until all targets are together in the water, all on this single looped line. When ready to turn them all loose, just let go one end of the looped line and pull in the other end.

Line on carabiner should be used for moving target at very low speed only.

To use a *Killer Lemon™* target to anchor a helium filled air target, add additional ballast water to ensure target stays on water surface in use. Prepare *Killer Lemon™* first, then air target. When both are ready, launch the *Killer Lemon™* into the water, then launch the air target into the air.

To recover an inflated target balloon, grab the handling line, slowly pull in the line until you can access the inflation cap, open the cap (do not lose the gasket), pull the internal chute **OUTSIDE** through the nozzle (figure 6), then rotate the NavTGT to dump out water ballast.

**Warning: the weight of water ballast can damage the balloon if not removed.**



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6

Target is intended to be filled with SOME water to act a ballast to slow roll and tumble action in the waves.

Target is not intended to be towed. Handling line is for launch or recovery. For a towed NavTGT see Killer Banana™.

Target may be filled with large amount of water to act as sea anchor for a helium air target (see Bogie Blimp™).

NavTGT names Killer Lemon™, Killer Orange™, Killer Tomato™, Killer Banana™, Target X-Ray™ & Bogie Blimp™ are trademarks (™) of GeoData Systems Management Inc.

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