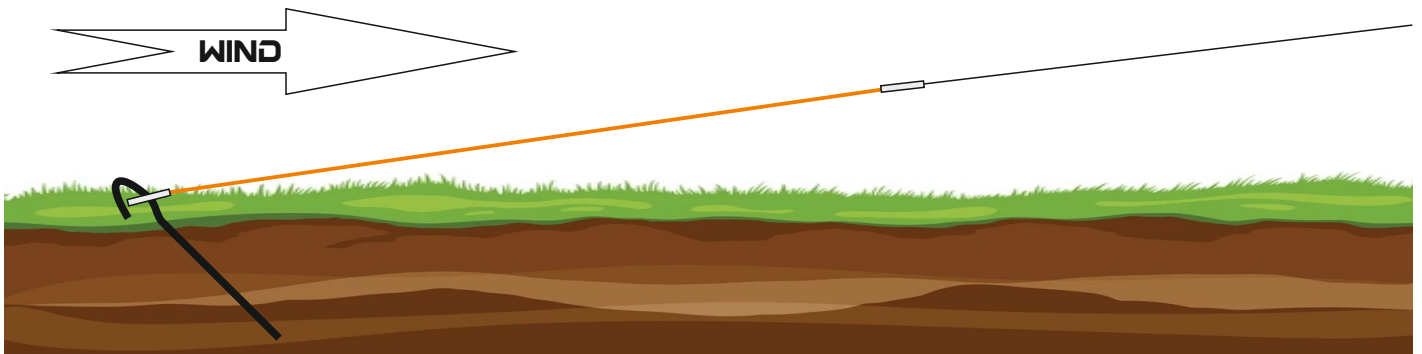


ANGELWING DESIGNS

MICRO BUNGEE / HIGHSTART

Read before use: Despite this Micro Bungee / Highstart system being a very low powered system you must still treat it with respect. A surprising amount of energy can be released from the stretched rubber, and the thin towline is capable of causing cuts and damage. The rubber and line must be inspected before use, looking for damage to the rubber and the couplings / knots. The Ground stake supplied is suitable for firm / hard dry ground. It is the owner / operators responsibility to check the system each use, and determine if they feel the ground stake is suitable for the group it is being utilised within. Have Fun, Fly Safe, Always use in an open area away from people, property and animals



The ground stake must be pushed fully into firm ground at a 45 degree angle away from the wind / launch direction as shown above. The hook of the ground stake should also be pushed into the ground so the rubber cannot be released from the ground stake. Pushing the ground stake in vertically or at the wrong angle could result in the stake being pulled from the ground and fired at speed by the rubber.

Initial stretch for test flights or until you are familiar with how the model performs on the line should be kept to a minimum. We suggest around 3 to 5 paces back dependant on the weight of the model. Gradually increasing the pull as you become more comfortable. **Remember you can easily overstress the models structure using high speed launches a Highstart system can provide!**

The Ribbon provide with the high start is to aid recovery of the end of the line and also helps with release as the line tension decays. It is normal practise to position this approximately 300mm down the line from the tow hook. The ribbon can simply be tied to the line.

The exact position of a tow hook on the airframe will vary model to model and you may find that with patience and experimenting with the hooks position will give better launch height. If the hook is too far back then the model can be totally out of control on the line, just like having a far too rearward CG. Whilst opinions may vary I would suggest a starting point of 30 degrees in front of the proven CG. Use a minimal power launch until the position is proven.



ANGELWING DESIGNS

MICRO BUNGEE / HIGHSTART

Overhand knot

This simple stopper knot is quick and easy to tie, and can be tied tightly up against an object or another knot.



2



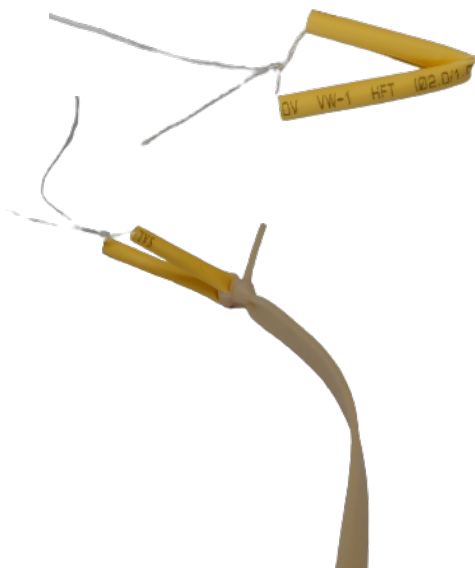
3



Tie the string to one of the metal rings using at least 3 knots



Wind the line onto the bobbin



Thread the line through the tubing supplied and tie using 4 knots

Tie one end of the rubber onto the line. Stretch the rubber taught while tieng the knots. Use 3 or 4 knots, attach the remaining metal ring to the other end of the rubber.