

# INSTALLATION TIPS FOR ZIPLINE



When you first open your zip line kit, make sure you have the components listed as below:



## Kit Contains:

- 1 1 Trolley size 5.9in(15cm) x 3.74in (9.5cm) with sealed ball bearing pulleys providing smooth operation.
- 2 1 Main cable 95 foot (29 m), 3/16in(.48cm) (galvanized steel cable, w/looped eye on one end.
- 3 1 Sling cable 5 foot (1.53m), 3/16in (.48cm) steel cable w/looped eye on each end.
- 4 1 Turnbuckle 6in (15.24cm) Steel with locking hardware.
- 5 3 U clamps 3/16in (.48cm).
- 6 1 Seat and Rope (Only included in kits with seats)
- 7 1 Spring brake size: 5.3' (L) x 1 1/4" (D), fits cable size up to 1/2", made from stainless steel, with nylon ends
- 8 1 Zip line carry bag (Polyester bag, not for anchor bag usage)

Thank you for your purchase of the Zipline! This product was engineered to provide safe fun for children ages 8 and over. For best and safe results, please read instructions carefully when installing and using your ZIPLINE. Read and obey all rules. We are sure this product will provide you with years of fun and enjoyment.



## ⚠ WARNING

### WARNING: Choking Hazard-

This product contains small parts. Do not allow children under 3 years of age near the parts or the assembly area.

### WARNING: Choking Hazard-

This product contains small parts that if swallowed can cause injury or death. Keep small children away. Do not wear a helmet as it may become tangled with rope and cause injury or death.

### WARNING: Strangulation Hazard-

This product NOT be used while ziplining. There is a risk of hanging if the rider's helmet is tangled by the rope.

### WARNING: Adult Assembly Required-

This product should be unpacked and assembled by an adult, including site and tree selection as well as secure cable attachment.

### WARNING: Adult Supervision Required-

SERIOUS INJURY OR DEATH MAY RESULT  
Always exercise extreme caution when ziplining. Keep bystanders at least 25ft (7.6m) away from the zipline course to avoid collisions. Only one rider at a time. No loose clothing or jewelry while riding. Keep long hair away from trolley. Adjust rope and seat so that rider's below the trolley.

## **BE SAFE! – ALWAYS FOLLOW THESE RULES**

- To be setup and installed by an Adult.
- Adult supervision is required at all times.
- Not recommended for children under 8 years of age.
- Maximum weight 250lbs (113kg).
- Wear suitable shoes and close fitting clothing, no scarves or other loose clothing.
- If worn or damaged parts are found, contact seller for replacement parts -NO NOT SUBSTITUTE WITH OTHER, OR FAILURE RESULTING IN INJURY MAY RESULT.
- Wait until you have stopped COMPLETELY before letting go of the trolley or dismounting seat.
- One rider only at a time.
- Keep people at least 25ft (7.62m) away from the zip line course when in use.
- Never use the line when it is wet or if there is rain or lightning in the area.

## **CHOOSING THE ZIP LINE COURSE**

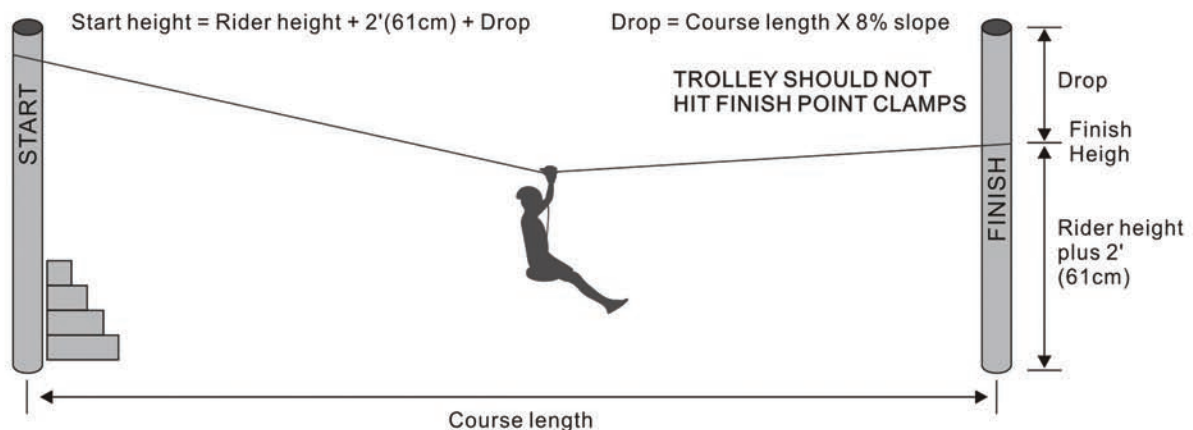
Choose a clear runway for the zip line ride with sturdy anchor points (LIVE HEALTHY TREES 36" (92cm) circumference or 12" (31cm) diameter. Contact an arborist if you are unsure about your trees health and suitability. Attachment to other objects should not be attempted without the opinion of a qualified engineer, as suitability for 'side load' strength is required.

You must choose a grass course underneath that is clear of all obstacles: bushes, rocks, or anything else that could cause injury. If the grass course become hard-packed over time, move the course to a softer location. A fall onto any hard surface can result in a serious injury to the rider.

## **CABLE ATTACHMENT HEIGHT GUIDELINE**

Assuming a level course, let's start at the end... The finish Point (FP) should be at least 2 feet higher than the tallest rider, so let's assume our rider is 5 feet, so the FP should be 7 feet off of the ground.

The Start Point (SP) height needs to be higher of course to create a safe Drop. A slope of 8% is safe. So if we take our Course Length measurement, let's assume 90 feet, and multiply it by our 8% slope we get our Drop of 7.2 feet. Our SP height is therefore the FP height plus the Drop (7+7.2=14.2 feet).



**WARNING:** Your zip line should only be attached to live healthy trees at least 12"(31cm) in diameter and your zip line course should be flat, clear of hard surfaces and obstructions.

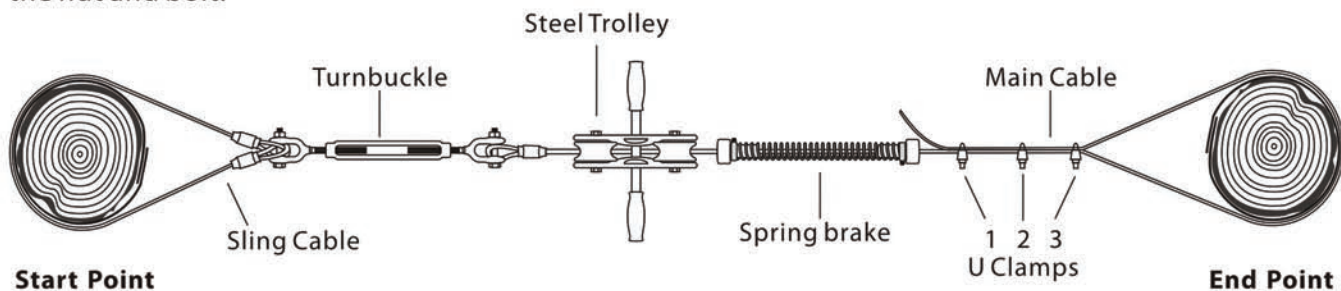


## INSTALLATION

**Step 1:** The shorter 'sling' cable is used to wrap around the tree that will be used as the Starting Point at a height computed from the Height Guideline.

After fully extending the turnbuckle, attach it to the two loops on the ends of the sling cable and tighten the bolt and nut.

**Step 2:** Take the loop end of the long cable and attach it to the other end of the turnbuckle and tighten the nut and bolt.



**Step 3:** Thread the cable, using the un-looped end, through the trolley and spring brake (IMPORTANT: Be sure to put the spring brake between the trolley and the End Point, between the two pulleys and the handlebar). Make sure the elongated end of the trolley frame is pointing toward the starting point. Unwind the long cable along your zip line path removing any twists. Wrap the un-looped end point tree at a height from the Guide-line. Pull the line as tight as possible and secure with (1) of the three u-clamps as far from the finish point as your cable allows, with your helpers using brooms or poles at points along

the cable pushing the cable up and taking the weight off of the cable, pull all of the slack out of the cable that you can by loosening and tightening the u-clamps as you pull out the slack. Add another u-clamp and tightening the u-clamps as you pull out the slack. Add another u-clamp (3) between your first clamp and the finish point and slide it toward the finish point (tree) like a tightening a necktie. Tighten it! Add the last u-clamp (2) about 3-6 inches (7.62-15.3cm) from (3), tighten it, then loosen the first u-clamp (1) and slide it toward (2), so that they are all 3-6 inches (7.76-15.3cm) apart.

**Step 4:** Tune the zip line by tightening the turnbuckle, which will tighten up the line.

**Note:** After the first rider has used the zipline, re-torque the clamps as a precaution against loosening.

**Step 5:** Launching Platform - Must be stable and not prone to rocking. It should be all enough to allow your shortest riders to easily reach the trolley.

**Step 6:** Knotting of the rope under the seat in different positions, the height of the seat can be freely adjusted according to the height of the rider for a more comfortable experience. (To make it safe to use, two knots will be recommended if necessary)



### WARNING:

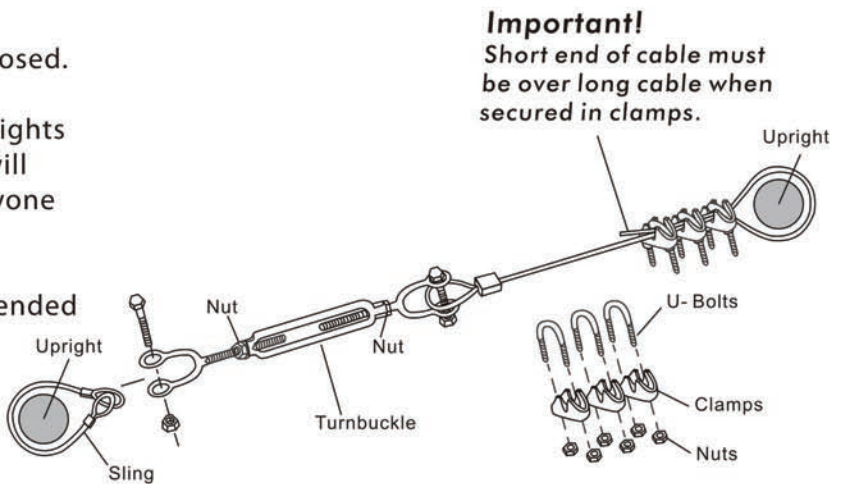
**Adult Assembly Required -**

This product should be unpacked and assembled by an adult, including site and tree selection as well as secure cable attachment.



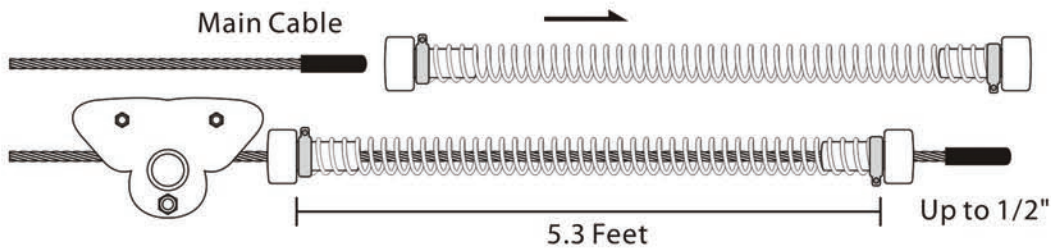
## Cable Assembly

1. Carefully follow instructions enclosed.
2. Make sure that trees, or other uprights selected for fastening cable ends, will safely support the full weight of anyone using zip line.
3. As a safety measure, it is recommended that all cable clamps and other connections be checked after a half hour's running time and at regular intervals thereafter.

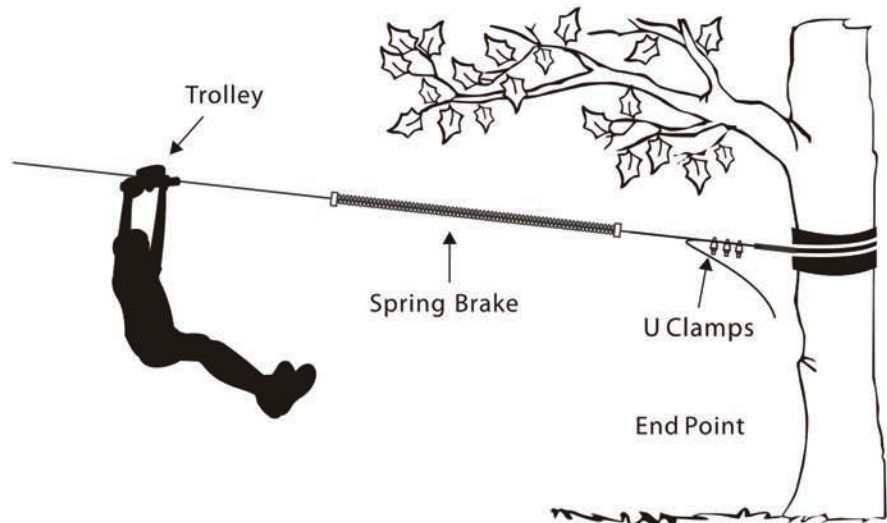


## BRAKING SYSTEM

Take the end of your zip line & insert the cable through the hole in the Spring Brake. **IMPORTANT:** Be sure to put the Spring Brake between the trolley and the End Point. Attach your zip line to the end point (see zip line instructions). Place the spring brake on the End Point side and keep a safe distance from the End Point. Make sure everything is installed correctly and tested safe before using.



5.3' Long 1 1/4" outer diameter c  
Fits zipline cable size up to 1/2"



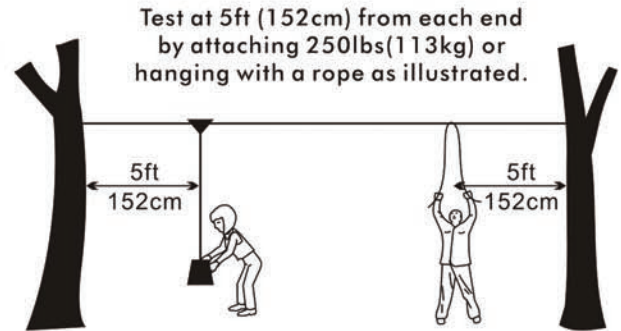
**WARNING:** The use of this Braking System may pose risk of serious injury or death if not installed properly, seller assumes no responsibility for any injury resulting from this product.

## TEST THE BRAKE

Using a 200 lbs (90.7kg) weight attached to the trolley, test the brake to see if working properly. Run the weight attached to the trolley down to where it engages the Spring Brake, it should slow the trolley down gradually and to a complete stop BEFORE it reaches the end point. If it reaches the end point, simply move the anchor bag back up and parallel to the course, until the brake blocks stops prior to reaching the finish point.

### Stress Testing (mandatory)

When your setup is complete and before a rider takes the first ride you should stress test your installation at 5ft (152cm) from each end of the cable, one of two ways. Either suspend 250lbs (113kg) from the rope attached to the trolley or throw a rope over the cable and have a 250lbs person lift his weight off the ground. This will insure that the attachment structure and cable installation is sturdy and secure.



\* Use only Healthy Trees 12in (31cm) diameter. If uncertain, contact an arborist.



### WARNING: Adult Testing Required-

This product should be tested using 250lbs (113kg) at 5 feet (152cm) from each end of the cable at the mounting points.

### Final Tune-up

Stress test before using. The rider should never hit the Finish Point U-clamps. When testing, if the trolley hits the U-clamps, lower the Start Point or raise the Finish Point slightly. The rider should slow down past the midpoint as the sag in the cable comes into play.

- ✓ Check the tightness of all nuts and bolts of all clamps, the turnbuckle and the trolley. Make sure cable does not slip.
- ✓ Secure and cover excess wire and (by the clamps) with electrical or duct tape to prevent injury.
- ✓ With the weight attached, launch the trolley. It should slow down due to sag in the line about 2/3rd the way to the end of the cable. Adjust the tension or heights to prevent the ride from hitting the clamps.
- ✓ Always walk the area and remove any debris or objects that might harm the riders.

### Rider instructions

1. Do not move in front, behind or in close proximity to a moving rider.
2. Hold the trolley handles tightly while the Zipline is in motion.
3. Mounting the seat- While standing on launching platform, slide the seat between your legs then grab onto the trolley grips and launch!
4. Dismounting the seat- Grab onto the rope in between the trolley and the seat. While holding onto the rope, dismount.
5. Adjusting the seat height - Riders head should always be below the trolley. Slide the excess rope through the lower loop of the rope adjuster. Then, pull the slack through on the other side of the upper loop of the adjuster.
6. Make certain that the riders head is well below the trolley by adjusting the rope and seat.



## **Maintenance**

**SAFETY FIRST! CHECK YOUR INSTALLATION BEFORE EACH USE.**

- Bring the rope and swing inside whenever the temperature drops below 32 degrees Fahrenheit (0 degrees Celsius).
- Before Every use, check the trolley, steel line, rope, knot, support and all connections for any hint of deterioration, excess wear, rope fraying, breaks or sharp edges and replace as necessary.
- When followed correctly, these instructions will provide for long lasting and safe use of your zipline.
- Perform the Stress Test frequently.

## **Tools Required:**

Adjustable wrench and hand pliers (not included) and some helpers with brooms.

## **Warranty:**

1 year for parts and workmanship.

