



## ZIPLINE KIT W/SEAT INSTRUCTIONS AND SAFETY RULES

**READ CAREFULLY!**

Thank you for your purchase of the Slackers™ Zipline! This product was engineered to provide safe fun for all ages when the instructions and rules are followed. Please read and follow all instructions carefully when installing and using your Slackers™ Zipline. All riders must read and understand the instructions and Safety Rules before riding. Failure to read and follow the instructions and Safety Rules could lead to serious injury or death. Please keep these instructions available for future review and use. We are sure this product will provide you with years of fun and enjoyment.

### 1. BE SAFE! - ALWAYS FOLLOW THESE SAFETY RULES

- To be setup and installed only 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 jewelry, scarves or other loose clothing.
- Do not wear a helmet as its straps may become entangled and cause serious injury
- Make sure everything is installed correctly and inspect and test the line before each use.
- If worn or damaged parts are found, contact Brand 44 for replacement parts – **DO NOT substitute with other, non-b4 parts or failure resulting in injury may result.** To order parts: 303-339-0482
- Remain seated for the entire ride, wait until you have stopped COMPLETELY before letting go of the trolley or dismounting seat.
- One rider only at a time.
- Keep people and animals at least 25ft (7.62 m) away from the zipline course when in use.
- Never use the line when it is wet or if there is rain or lightning in the area.
- Do not place fingers or hair inside of trolley or serious injury may result.

250LB  
/113KG  
max.

**⚠ 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: Choking Hazard-**  
This product contains small parts. Do not allow children under 3 years of age near the parts or the assembly area.

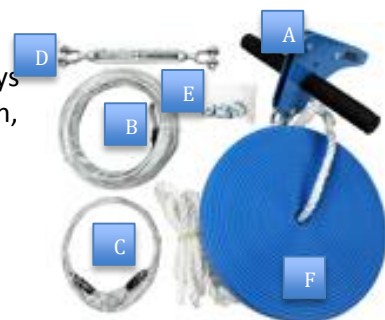
**⚠ WARNING: Adult Supervision Required-**  
**SERIOUS INJURY OR DEATH MAY RESULT**  
Always exercise extreme caution when ziplining. Keep bystanders at least 25ft (7.6m) away from the zipline course to avoid collisions. Only one rider at a time. No loose clothing or jewelry while riding. Keep long hair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

**⚠ WARNING: Strangulation Hazard-**  
A helmet should NOT be used while ziplining. There is a risk of hanging if the rider's helmet is tangled by the rope.



## Kit Contains:

- A. (1) **Steel Trolley** size 11in(3.36m) x 8in (2.44m) with sealed ball bearing pulleys providing smooth operation, fitted with grips that offer a non-slip, notched finish, providing exceptional grip and handling.
- B. (1) **Main Cable** length varies with model, 3/16in (.48cm) (galvanized steel cable, w/looped eye on one end.
- C. (1) **Sling Cable** 5 foot (1.53m), 3/16in (.48cm) steel cable w/looped eye on each end.
- D. (1) **Turnbuckle** 6in (15.24cm) Steel w/ 2 eye bolts & nuts.
- E. (3) **U clamps** 3/16in (.48cm).
- F. (1) **Seat and Rope** Only included with kits with seats. Color varies.
- (1) **Instruction book.**



**CPSC & ASTM** – The components in this product comply with U.S.CPSC and ASTM safety Standards for toys ages 8 and over.

*Items Required: Step ladder, tape measure, adjustable wrench and hand pliers (not included) and some helpers with brooms.*

*Pair of protective work gloves*

## 2. CHOOSING THE ZIP LINE COURSE

Choose a clear runway/course for the zipline ride with **sturdy** anchor points (**LIVE HEALTHY TREES** 36" (92cm) in 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. Questions? Please call us at 303-339-0482. You must choose a grass course underneath that is flat and clear of all obstacles: bushes, rocks, debris, hard surfaces or anything else that could cause injury. If the grass course becomes 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.

- Attachment trees **MUST** be Healthy and 36"(92cm) in circumference or 12" (31cm) in diameter.
- Do not setup course on steep terrain as unsafe operation may result.
- Do not setup course over swimming pools, ponds, rivers or any other bodies of water as drowning may result.
- Do not setup course near power/electrical lines.
- Do not setup on public lands, parks or other areas that may prohibit ziplining. **ASK PERMISSION** when in doubt!

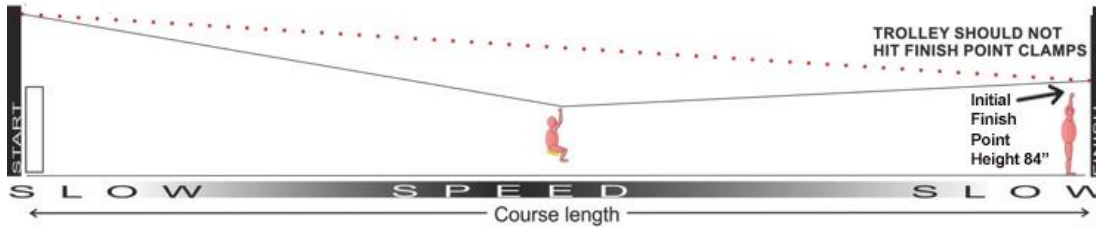
**Starting Point**-Your starting point platform must be stable and on level flat surface. It is recommended that you place cushioning materials in and around your platform-See X.3 Consumer Information Sheet Provided. Make sure there are no branches or other obstacles that could entangle a rider.

**Finishing/End Point**-It is recommended that you place cushioning materials under the last 15 ft.(5m) of course length-where most of your riders will be dismounting-See X.3 Consumer Information Sheet. Make sure there are no branches or other obstacles near or around the zipline cable at the finishing point.



## CABLE ATTACHMENT HEIGHT GUIDELINE WITH SEAT-Level Course

General Set up:	Start Point Height for Course (space between trees)						Height to set	
	90 ft.*	80 ft.	70 ft.	60 ft.	50 ft.	40 ft.	30 ft.	End Point
Initial Setting	132 in.	126 in.	120 in.	114 in.	108 in.	102 in.	96 in.	<b>84 in.</b>



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

Do not add additional slope to the cable! It will not improve the ride and may create a danger to the rider.

If you have a downhill slope to your course you will have to “adjust” heights down for the slope by carefully testing.

Always use extreme caution!

The setup goal is to have the rider accelerate at first, then at the last third of the course start decelerating and finish the course actually going slightly uphill at the end-due to the “dipping” of the zipline and rider as they progress down the course.

### Installation

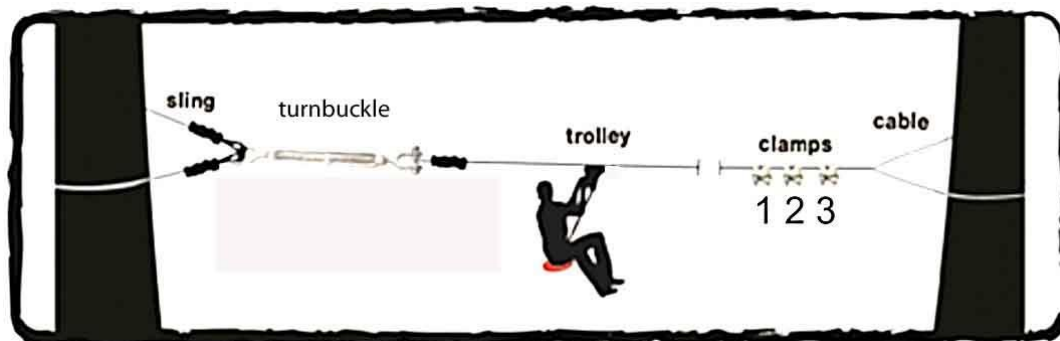
The installation should only be performed by an adult and in accordance with these instructions.

**Step 1:** The short 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 & nut.

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

START POINT

FINISH POINT



Assembly TIP: To keep the sling cable from sliding down the starting point tree during installation, place a small nail(not included) into the bark on the backside of the tree at the correct height per the Height Guideline. And do the same procedure at finishing/end point tree as well. Let the cable rest on top of the nail (Do not drive the nail through the cable!) during installation-Remove nail(s) when finished.

**Step 3:** Unwind the course cable along your zipline course removing any twists. Thread the long, course cable, using the un-looped end, through the trolley, the cable should insert below the two trolley bearings and above the handle shaft. Make sure the elongated trolley tail is pointing towards the starting point. Wrap the unlooped end around your finishing point tree (letting the cable rest on the small nail-see Assembly TIP). Set your finishing point cable height at **84 inches** from the ground.

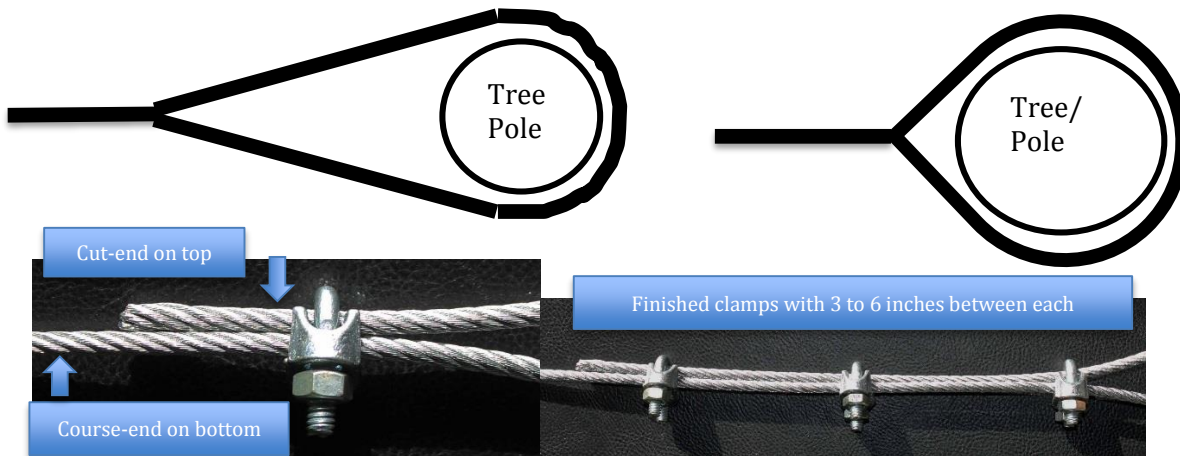
## **ZIPLINE WIRE/CABLE WARNING-CAUTION**

**Your zipline wire/cable WILL FAIL if damaged, misused or installed incorrectly.**  
**Before each use: INSPECT your wire for signs of wear/rust/fraying.**  
**TAKE DOWN your zipline during long times of no usage.**  
**REPLACE with b4 parts only-to order call: 303-339-0482**  
**RECYCLE your worn out parts responsibly.**

When you wrap your zipline around the finishing point tree, you want to form a “tear drop” shaped wrap around the tree-See illustration below. Do not tighten up tight against the tree!

CORRECT CABLE WRAP Tear-Drop Shaped

INCORRECT



U-Clamp installation: ALWAYS have the cut-end (that wraps around the tree) on top of the course (that runs up the zipline course) end in the clamp as shown above.

Tighten clamps to approx. 3 to 4 Foot pounds of torque. Do not overtighten as you may crimp and damage the cable.

Do not place the closest U-clamp to the tree, any closer than 1 ½ times the diameter of the tree! Attaching a clamp closer can severely crimp and damage the cable.



Pull the cable as tight as possible and secure with one of the three u-clamps (#1) 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-clamp 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 (7.62-15.3cm) apart.

**Step 4:** Tune the zip line by tightening the turnbuckle, which will tighten up the line. Tighten line until it “appears” to be nearly straight. **DO NOT OVERTIGHTEN!**

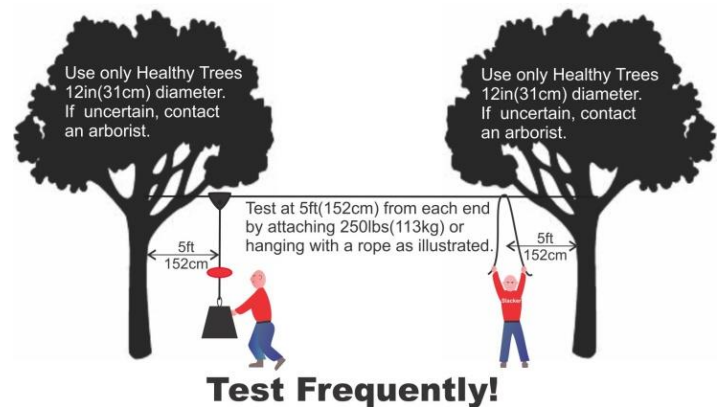
**Note:** Both, after Stress Testing AND after the first rider has used the zipline, re-torque the clamps as a precaution against loosening.

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

**⚠ WARNING: Adult Testing Required-**  
This product should be tested using 250 lbs(113kg) at 5 feet(152cm) from each end of the cable at the mounting points.

## Mandatory Stress Testing

When your setup is complete and before a rider takes the first ride you must 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. Note: Look and listen for any issues. This will insure that the attachment structure and cabling is stable and secure.



## 1. Final Tune-up

Stress test before using as instructed above. 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 ride 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 end (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 2/3<sup>rd</sup> the way to the end of the cable. Adjust the tension or heights to prevent the rider from hitting the clamps.
- ✓ Always walk the area and remove any rocks, debris or objects that might harm the riders.
- ✓ After a little use, your zipline may “stretch” a little (which is normal) and require some additional tightening.
- ✓ If you have extra cable at the end of your setup. You must either coil up carefully the extra cable and tape/cover it together so no rider can become entangle in it OR cut off the extra cable just after the last U-clamp and place a piece of tape on the cut end to prevent possible injury.





## 2. Rider Instructions

1. Only one rider at a time.
2. Do not move in front, behind or in close proximity to a moving rider.
3. Hold the trolley handles tightly while the Zipline is in motion.
4. Mounting the seat While standing on launching platform, slide the seat between your legs then grab onto the trolley grips and launch!
5. Rider must remain seated – no standing, kneeling or other positions.
6. Dismounting the seat- Wait until you have come to a complete stop. Grab onto the rope in between the trolley and the seat. While holding onto the rope, dismount (Figure 1).
7. Adjusting the seat height – Rider’s head should always be below the trolley. Slide the excess rope through the lower loop of the figure-8 rope adjuster (Figure 2), then pull the slack through on the other side of the upper loop of the adjuster.
8. Make certain that the rider’s head is well below the trolley by adjusting the rope and seat (Figure 3).
9. Adult supervision is required at all times.



Figure 1



Figure 2

Adjust rope so rider’s head is below trolley



Figure 3

## 8. Inspection and Maintenance

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

LOOK AT YOUR CABLE! REPLACE IF YOU SEE ANY OF THE FOLLOWING CONDITIONS



### FRAYED

Cable strands visible & unraveling.



### CRIMPED

Gaps in the strands where the cable was crimped.



### OLD/RUSTY/DISCOLORED

Cable is rusty, weathered or dull.

WHEN IN DOUBT: ALWAYS REPLACE WITH NEW.

- Bring the rope and swing inside whenever the temperature drops below 32 degrees Fahrenheit (0 degrees Celsius).
- Before EVERY use, check the anchor points, trolley, steel line, rope, knots, support and all connections for any hint of damage, deterioration, excess wear, rope fraying, breaks or sharp edges and replace as necessary.



- Perform the Stress Testing frequently.
- Use only b4 replacement parts.

**WHEN FOLLOWED CORRECTLY, THESE INSTRUCTIONS WILL PROVIDE FOR LONG LASTING AND SAFE USE OF YOUR SLACKERS™ ZIPLINE.**



**WARNING: Check Frequently-**

This product has parts that can wear or loosen during use. Tighten all hardware and inspect all components for wear. Replace with only Brand 44 replacement parts.



**Important Product Disclaimer and Notice**

**Activities involving the installation and use of ziplines are inherently hazardous by their nature. Poor installation, poor site selection, inadequate rider instruction, poor adult supervision or improper use can cause severe injury or death.**

**WARRANTY: 1 year from date of purchase for parts and workmanship.**

**The buyer, installer and user of the Slackers™ Zipline must:**

1. Read, understand and follow the installation instructions and Safety Rules.
2. Ensure proper oversight, supervision and instruction of others on the safe use and operation of the zipline.
3. Ensure that all equipment is properly installed, used, inspected and maintained before each use.
4. Before each use, check to see that obstructions and hazards are removed from the zipline path and that all non-users are at a safe distance from that path.
5. Use common sense and avoid taking risks.

**The buyer, installer and user of this product assume all risk and accept all responsibility for any damage or injury, including death, that may arise from the use of the Slackers™ Zipline.**

**Be Careful and Have Safe Fun Outdoors!**

**X.3 CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS<sup>11</sup>**

X3.1 The U.S. Consumer Product Safety Commission (CPSC) estimates that about 100,000 playground equipment related injuries resulting from falls to the ground surface are treated annually in U.S. hospital emergency rooms. Injuries involving this hazard pattern tend to be among the most serious of all playground injuries, and have the potential to be fatal, particularly when the injury is to the head. The surface under and around playground equipment can be a major factor in determining the injury-causing potential of a fall. It is self evident that a fall onto a shock absorbing surface is less likely to cause a serious injury than a fall onto a hard surface. Playground equipment should never be placed on hard surfaces such as concrete or asphalt and while grass may appear to be acceptable it may quickly turn to hard packed earth in areas of high traffic. Shredded bark mulch, wood chips, fine sand or fine gravel are considered to be acceptable shock absorbing surfaces when installed and maintained at a sufficient depth under and around playground equipment.

X3.2 Table X3.1 lists the maximum height from which a child would not be expected to sustain a life-threatening head injury in a fall onto four different loose-fill surfacing

<sup>11</sup>This information has been extracted from the CPSC publications "Playground Surfacing - Technical Information Guide" and "Handbook for Public Playground Safety." Copies of these reports can be obtained by sending a postcard to the Office of Public Affairs, U.S. Consumer Product Safety Commission, Washington, D.C., 20207 or call the toll-free hotline: 1-800-638-2772



**TABLE X3.1 Fall Height In Feet From Which a Life Threatening Injury Would Not Be Expected**

Type of Material (in deep)	6" (15.3cm)	9" (22.9cm)	12" (30.5cm)
Double Shredded Bark Mulch	6'(1.83m)	10'(3.05m)	11'(3.35m)
Wood Chips	6'(1.83m)	7'(2.13m)	12'(3.66m)
Fine Sand	5'(1.52m)	6'(1.83m)	9'(2.74m)
Fine Gravel	6'(1.83m)	7'(2.13m)	10'(3.05m)

materials if they are installed and maintained at depths of 6, 9 and 12 inches (15.3, 22.9 and 30.5 cm) However, it should be recognized that all injuries due to falls cannot be prevented no matter what surfacing material is used.

X3.3 It is recommended that a shock absorbing material should extend to a minimum of 6 Feet (1.83m) in all directions from the perimeter of stationary equipment such as climbers and slides. However, because children may deliberately jump from a moving swing, the shock absorbing material should extend in the front and rear of a swing a minimum distance of 2 times the height of the pivot point measured from a point directly beneath the pivot on the supporting structure.

X3.4 This information is intended to assist in comparing the relative shock-absorbing properties of various materials. No particular material is recommended over another. However, each material is only effective when properly maintained. Materials should be checked periodically and replenished to maintain correct depth as determined necessary for your equipment. The choice of a material depends on the type and height of the playground equipment, the availability of the material in your area and its cost.





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